COMPONENTS 2018

CATALOGUE 172



MONACOR®

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valid from October 2017

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ECM-16N
Order No. 23.4340

Electret neckband microphone
A special microphone, very comfortable to wear due to its ergonomic design. The unusual combination of gooseneck and microphone ensures a secure fit and a good voice transmission. Perfectly matched to transmitter ATS-16T.
- Can also be operated without ATS system via optional power supply adapter (e.g. EMA-20)
- Flexible 48 cm neckband of high-quality metal gooseneck technology
- Cardioid polar pattern with low acoustic feedback and a voice-optimised sound
- 1.1 m connection cable with 3.5 mm mono plug
- Supplied with foam windshield

Model	ECM-16N
Polar pattern	cardioid
System	elecret
Audio frequency range	150-16,000 Hz
Nominal impedance	600 Ω
Sensitivity	3.16 mV/Pa
Maximum sound pressure	110 dB
Power supply	1.5 V via ATS-16T or 1.5-9 V via optional power supply adapter
Weight	160 g
Cable	1.1 m
Connection	3.5 mm mono plug



HSE-70A/SK
Order No. 23.5190

Hyperlight miniature earband microphone, with premium high-quality cartridge.
- Unobtrusive design with earlobe support
- Omnidirectional polar pattern
- Premium high-quality back electret cartridge
- Supplied with adapters for the TXS-...HSE series (3-pole mini XLR) and pocket transmitters from JTS (4-pole mini XLR)
- Removable sweat-proof connection cable with 2.5 mm stereo plug (replacement connection cable: HSE-70C)
- Drip ring (protects cartridge from moisture)
- Optional adapters allow the application with devices from other manufacturers
- External power supply e.g. via phantom power supply adapter EMA-1 or EMA-300P
- Supplied with microphone windshield and bag

Model	HSE-70A/SK
Polar pattern	omnidir.
System	back electret
Audio frequency range	20-20,000 Hz
Nominal impedance	2 Ω
Sensitivity	5.6 mV/Pa
S/N ratio	> 65 dB
Maximum sound pressure	140 dB
Power supply	⎓ 0.8-5 V
Weight	6 g
Connection	2.5 mm stereo plug 2 connecting adapters



HSE-50/SK
Order No. 23.5910

Ultra-light miniature earband microphone
- Omnidirectional polar pattern
- High-quality back electret cartridge
- 3-pole mini XLR connection
- Drip ring (protects cartridge from moisture)
- Compatible with all TXS-...HSE pocket transmitters with 3-pole mini XLR connection
- External power supply e.g. via phantom power supply adapter EMA-1 or EMA-300P
- Windshield

Model	HSE-50/SK
Polar pattern	omnidir.
System	back electret
Audio frequency range	20-20,000 Hz
Nominal impedance	1.5 kΩ
Sensitivity	5 mV/Pa
S/N ratio	> 60 dB
Maximum sound pressure	110 dB
Power supply	⎓ 1-10 V
Weight	5 g (w/o cable and plug)
Connection	3-pole mini XLR



HSE-40/SK
Order No. 23.6380

Ultra-light miniature earband microphone
- Back electret microphone cartridge
- Omnidirectional polar pattern
- 3-pole mini XLR inline jack
- Unobtrusive design with earlobe support
- Silicone band to perfectly fit ears of all shapes and sizes
- Compatible with pocket transmitters TXS-...HSE with 3-pole mini XLR connection
- External power supply, e.g. via phantom power supply adapter EMA-1 or EMA-300P
- Microphone windshield

Model	HSE-40/SK
Polar pattern	omnidir.
System	back electret
Audio frequency range	20-20,000 Hz
Nominal impedance	2 kΩ
Sensitivity	7.9 mV/Pa
Maximum sound pressure	130 dB
Power supply	⎓ 1.5-9 V
Weight	15 g
Connection	3-pole mini XLR



HSE-300/SK
Order No. 23.4080

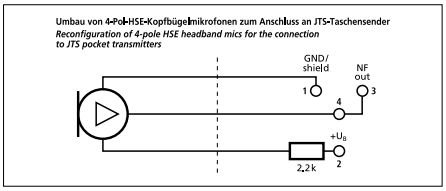
HSE-310/SK
Order No. 23.4120

HSE-330/SK
Order No. 23.0140



Professional headband microphones
- Cardioid polar pattern
- Maximum suppression of impact sound and structure-borne noise
- Extra low acoustic feedback
- Corrosion-resistant neckband, easy to clean
- Unobtrusive and secure fit due to cable routing in neck area incl. strain relief and cable bending protection
- Drip ring (protects cartridge from moisture)
- Microphone windshield

HSE-300 with bare cable ends
HSE-310 with 3-pole mini XLR inline jack, matching EMA-1 or a pocket transmitter TXS-...HSE
HSE-320 with 3.5 mm plug



Model	HSE-300/SK	HSE-310/SK	HSE-330/SK
Polar pattern	cardioid	cardioid	cardioid
System	electret	electret	electret
Audio frequency range	50-18,000 Hz	50-18,000 Hz	50-18,000 Hz
Nominal impedance	2 kΩ	2 kΩ	2 kΩ
Sensitivity	2.3 mV/Pa	2.3 mV/Pa	2.3 mV/Pa
Maximum sound pressure	120 dB	120 dB	120 dB
Power supply	⎓ 1.5-9 V	1.5-9 V	1.5-9 V
Weight	18 g (w/o cable and plug)	18 g (w/o cable and plug)	18 g (w/o cable and plug)
Connection	bare cable ends	3-pole mini XLR	3.5 mm stereo plug with screw lock for 5.9 mm outside thread

HSE-160/CR
Order No. 23.6560

Ultra-light headband microphone
- Chrome-coloured version
- Back electret microphone cartridge
- Omnidirectional polar pattern
- 3-pole mini XLR inline jack
- Cable routing incl. strain relief and cable bending protection in the neck area
- Drip ring (protects cartridge from moisture)
- Compatible with pocket transmitters TXS-...HSE with 3-pole mini XLR connection
- External power supply, e.g. via phantom power supply adapter EMA-1 or EMA-300P

Model	HSE-160/CR
Polar pattern	omnidir.
System	back electret
Audio frequency range	50-18,000 Hz
Nominal impedance	2 kΩ
Sensitivity	7.9 mV/Pa
Maximum sound pressure	130 dB
Weight	18 g
Connection	3-pole mini XLR



HSE-200WP/BL
Order No. 23.6370

Electret headband microphone, for fitness and aerobics.
- Splashproof
- Very comfortable to wear due to adjustable headband
- Secure fit even during strenuous applications, e.g. aerobics or spinning
- Back electret microphone cartridge of omnidirectional characteristic
- Drip ring (additionally protects cartridge from moisture)
- Durable connection cable with textile sleeve
- 3-pole mini XLR inline jack for connection to an optional phantom power supply adapter (EMA-1, EMA-300P) or a pocket transmitter TXS-...HSE
- Rubber bushing for protecting the connector to be plugged into the pocket transmitter from moisture

Model	HSE-200WP/BL
Polar pattern	omnidir.
System	back electret
Audio frequency range	20-20,000 Hz
Nominal impedance	2 kΩ
Sensitivity	5.6 mV/Pa
Maximum sound pressure	130 dB
Power supply	⎓ 1.5-9 V
Weight	45 g
Connection	3-pole mini XLR



HSE-140/SK
Order No. 23.5530

Ultra-light headband microphone, for young artists.
- Small headband design, adjustable
- Omnidirectional polar pattern
- High-quality back electret cartridge
- 3-pole mini XLR connection
- Turning cartridge arm of adjustable length
- Drip ring (protects cartridge from moisture)
- Compatible with all TXS-...HSE pocket transmitters with 3-pole mini XLR connection
- External power supply e.g. via phantom power supply adapter EMA-1 or EMA-300P
- Microphone windshield

Model	HSE-140/SK
Polar pattern	omnidir.
System	back electret
Audio frequency range	20-20,000 Hz
Nominal impedance	1 kΩ
Sensitivity	8 mV/Pa
Maximum sound pressure	130 dB
Power supply	⎓ 1.5-9 V
Weight	8 g
Connection	3-pole mini XLR



HSE-152A/SK
Order No. 23.5170

Ultra-light headband microphone
- Cardioid polar pattern
- High-quality back electret cartridge
- Plug with latching device
- Supplied with adapters for the TXS-...HSE series (3-pole mini XLR) and pocket transmitters from JTS (4-pole mini XLR)
- Excellent feedback rejection
- Turning cartridge arm of adjustable length
- Drip ring (protects cartridge from moisture)
- Removable sweat-proof connection cable with 2.5 mm stereo plug (replacement connection cable: HSE-70C)
- Optional adapters allow application with devices from other manufacturers
- External power supply e.g. via phantom power supply adapter EMA-1 or EMA-300P
- Microphone windshield

Model	HSE-152A/SK
Polar pattern	cardioid
System	back electret
Audio frequency range	20-20,000 Hz
Nominal impedance	1.5 kΩ
Sensitivity	1.8 mV/Pa
Maximum sound pressure	130 dB
Power supply	⎓ 1.5-9 V
Weight	7 g
Connection	2.5 mm stereo plug 2 connecting adapters



HSE-152/SK
Order No. 23.4280

Ultra-light headband microphone
- Cardioid polar pattern
- High-quality back electret cartridge
- 3-pole mini XLR connection
- Excellent feedback rejection
- Turning cartridge arm of adjustable length
- Drip ring (protects cartridge from moisture)
- Compatible with all pocket transmitters TXS-...HSE with 3-pole mini XLR connection
- External power supply, e.g. via phantom power supply adapter EMA-1 or EMA-300P
- Microphone windshield

Model	HSE-152/SK
Polar pattern	cardioid
System	back electret
Audio frequency range	20-20,000 Hz
Nominal impedance	1.5 kΩ
Sensitivity	1.8 mV/Pa
Maximum sound pressure	130 dB
Power supply	⎓ 1.5-9 V
Weight	7 g
Connection	3-pole mini XLR



HSE-150A/SK
Order No. 23.5160

Ultra-light headband microphone
- Omnidirectional polar pattern
- High-quality back electret cartridge
- Plug with latching device
- Supplied with adapters for the TXS-...HSE series (3-pole mini XLR) and pocket transmitters from JTS (4-pole mini XLR)
- Turning cartridge arm of adjustable length
- Drip ring (protects cartridge from moisture)
- Removable sweat-proof connection cable with 2.5 mm stereo plug (replacement connection cable: HSE-70C)
- Optional adapters allow application with devices from other manufacturers
- External power supply e.g. via phantom power supply adapter EMA-1 or EMA-300P
- Microphone windshield

Model	HSE-150A/SK
Polar pattern	omnidir.
System	back electret
Audio frequency range	20-20,000 Hz
Nominal impedance	1 kΩ
Sensitivity	8 mV/Pa
Maximum sound pressure	130 dB
Power supply	⎓ 1.5-9 V
Weight	7 g
Connection	2.5 mm stereo plug 2 connecting adapters



HSE-150/SK

Order No. 23.4050

Ultra-light headband microphone

- Omnidirectional polar pattern
- High-quality back electret cartridge
- 3-pole mini XLR connection
- Turning cartridge arm of adjustable length
- Drip ring (protects cartridge from moisture)
- Compatible with all TXS-...HSE pocket transmitters with 3-pole mini XLR connection
- External power supply, e.g. via phantom power supply adapter EMA-1 or EMA-300P
- Microphone windshield

Model	HSE-150/SK
Polar pattern	omnidir.
System	back electret
Audio frequency range	20-20,000 Hz
Nominal impedance	1 kΩ
Sensitivity	8 mV/Pa
Maximum sound pressure	130 dB
Power supply	⎓ 1.5-9 V
Weight	7 g
Connection	3-pole mini XLR



HSE-132/SK

Order No. 23.6420

Ultra-light headband microphone

- Back electret microphone cartridge
- Cardioid polar pattern
- 3-pole mini XLR inline jack
- Cartridge arm of adjustable length
- Compatible with pocket transmitters TXS-...HSE with 3-pole mini XLR connection
- External power supply, e.g. via phantom power supply adapter EMA-1 or EMA-300P
- Microphone windshield

Model	HSE-132/SK
Polar pattern	cardioid
System	back electret
Audio frequency range	50-16,000 Hz
Nominal impedance	2 kΩ
Sensitivity	5.6 mV/Pa
Maximum sound pressure	130 dB
Power supply	⎓ 1.5-9 V
Weight	18 g
Connection	3-pole mini XLR



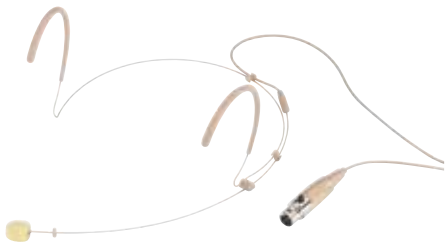
HSE-130/SK

Order No. 23.6400

Ultra-light headband microphone

- Back electret microphone cartridge
- Omnidirectional polar pattern
- 3-pole mini XLR inline jack
- Cartridge arm of adjustable length
- Compatible with pocket transmitters TXS-...HSE with 3-pole mini XLR connection
- External power supply, e.g. via phantom power supply adapter EMA-1 or EMA-300P
- Microphone windshield

Model	HSE-130/SK
Polar pattern	omnidir.
System	back electret
Audio frequency range	20-20,000 Hz
Nominal impedance	2 kΩ
Sensitivity	7.9 mV/Pa
Maximum sound pressure	130 dB
Power supply	⎓ 1.5-9 V
Weight	18 g
Connection	3-pole mini XLR



HSE-90

Order No. 23.4070

Electret headband microphone

This microphone is the right choice for applications which require an excellent sound as well as an extra low acoustic feedback and a secure fit.

- Cardioid polar pattern for high back suppression
- Integrated and external windshield/pop noise head minimise noise from wind, breath and articulation
- Flexible cartridge support for reducing low impact sound

- Wide transmission range
- Extra stable positioning
- Movable gooseneck cartridge arm
- Temple rest
- Microphone windshield

Model	HSE-90
Polar pattern	cardioid
System	back electret
Audio frequency range	20-20,000 Hz
Nominal impedance	650 Ω
Sensitivity	10 mV/Pa
Maximum sound pressure	120 dB
Power supply	⎓ 1.5-9 V
Weight	25 g
Cable	0.8 m
Connection	3-pole mini XLR



HSE-100
Order No. 23.2160

HSE-110
Order No. 23.2170

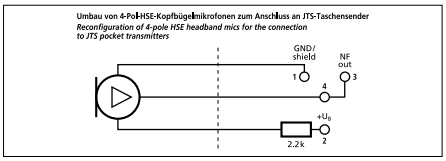
HSE-120
Order No. 23.2180

Headband microphones
- High-quality back electret cartridge
- Very linear frequency response, especially resistant to external sound due to its supercardioid polar pattern with high back suppression
- The power supply adapter EMA-1 or a respective power supply is required for operation

HSE-100: with stripped cable ends
HSE-110: with 3-pole mini XLR inline jack, matching EMA-1 or a pocket transmitter TXS-...HSE
HSE-120: with 3.5 mm plug



Model	HSE-100	HSE-110	HSE-120
Polar pattern	supercardioid	supercardioid	supercardioid
System	back electret	back electret	back electret
Audio frequency range	20-20,000 Hz	20-20,000 Hz	20-20,000 Hz
Nominal impedance	3 kg	3 kΩ	3 kΩ
Sensitivity	7 mV/Pa	7 mV/Pa	7 mV/Pa
Maximum sound pressure	120 dB	120 dB	120 dB
Power supply	⎓ 1.3-20 V	⎓ 1.3-20 V	⎓ 1.3-20 V
Weight	75 g	75 g	75 g
Connection	bare cable ends	3-pole mini XLR	3.5 mm plug



HSE-70WP
Order No. 23.6040

IPX4

Splashproof electret headband microphone, IPX4
- Suitable for vocal and speech applications, especially with outdoor activities or with high ambient humidity
- Very comfortable to wear
- Secure fit also for sports applications
- Back electret microphone cartridge with cardioid polar pattern
- 3-pole mini XLR inline jack for connection to an optional phantom power supply adapter (EMA-1, EMA-300P) or a pocket transmitter TXS-...HSE
- Supplied with nylon bag

Model	HSE-70WP
Polar pattern	cardioid
System	back electret
Audio frequency range	100-14,000 Hz
Nominal impedance	600 Ω
Sensitivity	7.9 mV/Pa
Maximum sound pressure	115 dB
Power supply	⎓ 1.5-9 V
Weight	60 g
Cable	1.1 m
Connection	3-pole mini XLR



HSE-821SX
Order No. 22.0890

Replacement electret headband microphone
- Suitable for vocal and speech applications
- Microphone cartridge with cardioid polar pattern
- Gooseneck cartridge arm
- 1.3 m connection cable with 3.5 mm plug, with latching device
- Operation via a pocket transmitter of the series TXS-820SX, TXS-822SX, TXS-820LT or TXS-822LT
- Microphone windshield

Model	HSE-821SX
Polar pattern	cardioid
System	electret
Audio frequency range	80-12,000 Hz
Nominal impedance	680 Ω
Sensitivity	5.6 mV/Pa
S/N ratio	60 dB
Maximum sound pressure	110 dB
Power supply	1.5-3 V
Weight	60 g
Cable	1.3 m
Connection	3.5 mm plug



HSE-86
Order No. 23.5860

Electret headband microphone
- For vocal and speech applications
- Very comfortable to wear
- Secure fit also for sports applications
- High-quality electret cartridge
- 3.5 mm screw-in mono plug for connection to optional phantom power supply adapter (EMA-20) or pocket transmitter

Model	HSE-86
Polar pattern	cardioid
System	electret
Audio frequency range	100-12,000 Hz
Nominal impedance	2.2 kΩ
Sensitivity	8.5 mV/Pa
Maximum sound pressure	110 dB
Power supply	⎓ 2-10 V
Weight	40 g
Cable	0.8 m
Connection	3.5 mm mono plug, screw-in, 7.8 mm outside thread



HSE-80

Order No. 23.3880

Electret headband microphone

- For vocal and speech applications
- Very comfortable to wear
- Secure fit also during sports applications
- High-quality electret cartridge
- 3-pole mini XLR inline jack for connection to an optional phantom power supply adapter (EMA-1, EMA-300P) or a pocket transmitter TXS-...HSE

Model	HSE-80
Polar pattern	cardioid
System	electret
Audio frequency range	100-12,000 Hz
Nominal impedance	2.2 kΩ
Sensitivity	8.5 mV/Pa
Maximum sound pressure	110 dB
Power supply	⎓ 2-10 V
Weight	40 g
Cable	0.8 m
Connection	3-pole mini XLR



HSE-72

Order No. 23.6410

Electret headband microphone

- Back electret microphone cartridge
- Cardioid polar pattern
- 3-pole mini XLR inline jack
- Gooseneck cartridge arm
- Compatible with pocket transmitters TXS-...HSE with 3-pole mini XLR connection
- External power supply, e.g. via phantom power supply adapter EMA-1 or EMA-300P
- Microphone windshield

Model	HSE-72
Polar pattern	cardioid
System	back electret
Audio frequency range	50-16,000 Hz
Nominal impedance	2 kΩ
Sensitivity	5.6 mV/Pa
Maximum sound pressure	130 dB
Power supply	⎓ 1.5-9 V
Weight	28 g
Connection	3-pole mini XLR



HSE-700

Order No. 23.0370

Ultra-light electret headband microphone

- Cardioid polar pattern
- Gooseneck cartridge arm
- Microphone windshield
- 3.5 mm plug

Model	HSE-700
Polar pattern	cardioid
System	electret
Audio frequency range	20-16,000 Hz
Nominal impedance	680 Ω
Sensitivity	4 mV/Pa
S/N ratio	> 56 dB
Maximum sound pressure	115 dB
Power supply	⎓ 1-10 V
Weight	3 g
Cable	1 m
Connection	3.5 mm mono plug



HM-30

Order No. 23.2680

Dynamic headband microphone

- For vocal and speech applications which require free movement
- Microphone windshield

Model	HM-30
Polar pattern	cardioid
System	dynamic
Audio frequency range	300-16,000 Hz
Nominal impedance	500 Ω
Sensitivity	1 mV/Pa
Weight	80 g
Cable	3.5 m
Connection	3.5 mm plug, adapter 6.3 mm



ECM-501L/SK
Order No. 23.3900

Electret tie clip microphone
- Unobtrusive fit due to beige miniature design
- High-quality microphone cartridge with omnidirectional polar pattern
- Removable clip and 1.2 m connection cable, 3-pole mini XLR

Model	ECM-501L/SK
Polar pattern	omnidir.
System	electret
Audio frequency range	20-20,000 Hz
Nominal impedance	1 kΩ
Sensitivity	5.6 mV/Pa
Maximum sound pressure	110 dB
Power supply	⎓ 1.5-9 V
Dimensions	Ø 5 mm x 10 mm
Weight	5 g
Cable	1.2 m
Connection	3-pole mini XLR



ECM-500L/SK
Order No. 23.3890

Electret tie clip microphone
- Unobtrusive fit due to beige miniature design
- High-quality microphone cartridge with omnidirectional polar pattern
- Removable clip and 1.2 m connection cable, 3.5 mm plug

Model	ECM-500L/SK
Polar pattern	omnidir.
System	electret
Audio frequency range	20-20,000 Hz
Nominal impedance	1 kΩ
Sensitivity	5.6 mV/Pa
Maximum sound pressure	110 dB
Power supply	⎓ 1.5-9 V
Dimensions	Ø 5 mm x 10 mm
Weight	5 g
Cable	1.2 m
Connection	3.5 mm plug



ECM-402L
Order No. 23.3520

Electret tie clip microphone, miniature version.
- Removable clip and 1.2 m connection cable
- 3-pole mini XLR inline jack for connection to an optional phantom power supply adapter (EMA-300P) or a pocket transmitter TXS-...HSE

Model	ECM-402L
Polar pattern	cardioid
System	electret
Audio frequency range	70-15,000 Hz
Nominal impedance	1.5 kΩ
Sensitivity	7 mV/Pa
Maximum sound pressure	120 dB
Power supply	via power supply adapter
Dimensions	Ø 7 mm x 22 mm
Weight	4 g
Cable	1.2 m
Connection	3-pole mini XLR



ECM-300L
Order No. 23.2400

Electret lavalier microphone
- Extra compact version
- Phantom power via optional adapter EMA-300P
- With 6 m connection cable and tie clip

Model	ECM-300L
Polar pattern	omnidir.
System	electret
Audio frequency range	50-18,000 Hz
Nominal impedance	400 Ω
Sensitivity	4 mV/Pa
Maximum sound pressure	120 dB
Power supply	via power supply adapter
Dimensions	Ø 9 mm x 21 mm
Weight	4 g
Cable	6 m
Connection	3-pole mini XLR, unbal.



ECM-3003
Order No. 23.0340

Electret tie clip microphone
- Excellent sound quality
- Microphone cartridge with omnidir. polar pattern
- Strong clip
- Power supply in the 3.5 mm plug
- 4 m connection cable
- Supplied w/o button cell battery LR-44

Model	ECM-3003
Polar pattern	omnidir.
System	electret
Audio frequency range	50-16,000 Hz
Nominal impedance	1 kΩ
Sensitivity	5.6 mV/Pa
Maximum sound pressure	120 dB
Power supply	button cell 1.5 V (LR-44)
Dimensions	Ø 12 mm x 23 mm
Weight	70 g
Cable	4 m
Connection	3.5 mm plug



ECM-821LT
Order No. 23.5450

Electret tie clip microphone
- Microphone cartridge with cardioid polar pattern
- Removable clip
- 0.8 m connection cable with 3.5 mm plug, with latching device
- Microphone windshield

Model	ECM-821LT
Polar pattern	cardioid
System	electret
Audio frequency range	50-16,000 Hz
Nominal impedance	680 Ω
Sensitivity	5.6 mV/Pa
Maximum sound pressure	110 dB
Power supply	1.5-3 V
Dimensions	Ø 12 mm x 18 mm
Weight	22 g
Cable	0.8 m
Connection	3.5 mm plug



ECM-3005
Order No. 23.1580

Electret tie clip microphone
- Excellent sound quality
- Microphone cartridge with omnidir. polar pattern
- Strong, removable clip
- Belt clip and switch
- 4 m cable with 3.5 mm plug
- Supplied w/o 1.5 V battery AAA size

Model	ECM-3005
Polar pattern	omnidir.
System	electret
Audio frequency range	50-16,000 Hz
Nominal impedance	600 Ω
Sensitivity	6 mV/Pa
Maximum sound pressure	120 dB
Power supply	1.5 V batt. AAA size (not supplied)
Dimensions	Ø 13 mm x 19 mm
Weight	87 g
Cable	4 m
Connection	3.5 mm plug



ECM-2500
Order No. 23.2670

Electret tie clip microphone, with power supply adapter.
- Microphone cartridge with omnidir. polar pattern
- Removable clip
- Supplied with phantom power supply adapter EMA-20
- Connection via 3.5 mm plug
- Supplied w/o 1.5 V battery AAA size

Model	ECM-2500
Polar pattern	omnidir.
System	electret
Audio frequency range	20-16,000 Hz
Sensitivity	6 mV/Pa
S/N ratio	50 dB
Maximum sound pressure	120 dB
Power supply	1.5 V batt. AAA size (not suppl.)
Dimensions	Ø 8.5 mm x 20 mm
Weight	92 g
Connection	3.5 mm plug



EMA-20
Order No. 23.2280

Phantom power supply adapter
- For electret microphones
- Volume control with on/off function
- Internal power supply via 1.5 V battery AAA size (not supplied)
- 3.5 mm jack as input
- 4 m connection cable with 3.5 mm plug as output

Model	EMA-20
Input voltage	1.5 V batt. AAA size
Connections	3.5 mm jack
Cable length	4 m
Dimensions	55 x 19 x 50 mm
Weight	65 g



EMA-300P
Order No. 23.2410

Phantom power supply adapter
- For connecting ECM-300B, ECM-300L and other microphones with 3-pole mini XLR connector to a mixer with 48 V phantom power
- Mini XLR plug and XLR plug, 3 poles

Model	EMA-300P
Input voltage	via mixer
Connections	3-pole mini XLR
Dimensions	Ø 19 mm x 92 mm
Weight	80 g



EMA-1
Order No. 23.2120

Phantom power supply adapter
- For electret microphones and electret microphone cartridges
- Also as a phantom power adapter for mixers with phantom power supply +48 V
- Internal power supply via 1.5 V battery AA size (not supplied)
- 3-pole mini XLR input
- 3-pole XLR output

Model	EMA-1
Input voltage	phantom power via mixer: ⎓ 48 V
Connections	3-pole XLR
Dimensions	Ø 22 mm x 170 mm
Weight	75 g



GM-100
Order No. 24.0080

Guitar pickup, for clamping into the round sound holes of guitars, with volume control and sound control, 300 cm cable for connection to an amplifier.



GM-80
Order No. 24.0090

Guitar pickup, with volume control and push-on clamp, 3 m connection cable and 6.3 mm right-angle plug.



EMA-3
Order No. 23.3820

48 V phantom power supply
- For electret microphones and microphone cartridges
- XLR input (bal.)
- XLR output (bal.)

Model	EMA-3
Input voltage	via encl. plug-in power supply
Output voltage	+48 V
Admiss. ambient temp.	0-40 °C
Dimensions	126 x 75 x 45 mm
Weight	535 g



EMA-200
Order No. 23.2790

48 V phantom power supply
- For 2 electret microphones or microphone cartridges
- Power supply: ~ 230 V/50 Hz/10 VA
- 2 x XLR input (bal.)
- 2 x XLR output (bal.)

Model	EMA-200
Input voltage	~ 230 V/50 Hz/10 VA
Output voltage	+48 V
Connections	2 x XLR, bal.
Admiss. ambient temp.	0-40 °C
Dimensions	180 x 50 x 145 mm
Weight	1.2 kg



MMX-8
Order No. 24.2860

Miniature universal audio mixer
- 8 mono channels, switchable mic/line
- Selection of 4 stereo channels
- 2 output level controls, 2 peak LEDs
- Supplied w/o battery

Model	MMX-8
Mic input	5 mV, 8 x 6.3 mm jack
Line input	50 mV, 8 x 6.3 mm jack
Master output	100 mV, 2 x 6.3 mm jack
Frequency range	20-20,000 Hz
THD	< 0.4%
S/N ratio	55 dB
Power supply	9 V battery or via optional power supply PSS-600E
Dimensions	150 x 68 x 115 mm
Weight	700 g



MMX-4
Order No. 24.1070

Miniature microphone mixer
- 4 mono microphone channels
- Output level control, peak LED
- Supplied w/o battery

Model	MMX-4
Mic input	5 mV, 4 x 6.3 mm jack
Master output	100 mV, 1 x 6.3 mm jack
Frequency range	20-20,000 Hz
THD	< 0.5%
S/N ratio	55 dB
Power supply	9 V battery or via optional power supply PSS-600E
Dimensions	148 x 85 x 55 mm
Weight	389 g



Full specifications can be found on our website www.monacor-international.de.

ECM-950

Order No. 23.3280

Electret directional microphone, with switchable polar pattern, for crucial outdoor recordings in film and video productions.

- Supplied with microphone holder, microphone windshield, 50 cm helix cable, 7.5 m cable and plastic case

Model	ECM-950
Polar pattern	cardioid/supercardioid
System	electret
Audio frequency range	50-16,000 Hz
Nominal impedance	normal 1 kΩ/tele 2.3 kΩ
Sensitivity	3/22 mV/Pa
S/N ratio	60 dB
Maximum sound pressure	115 dB
Power supply	1.5 V batt. AA size
Dimensions	Ø 22 mm x 285 mm
Weight	350 g
Cable	0.5 m/7.5 m
Connection	3.5 mm plug



ECM-925P

Order No. 23.1990

Electret phantom directional microphone, with switchable polar pattern, from normal to supercardioid with high sensitivity.

- Particularly suitable for outdoor recordings, e.g. in film productions
- Microphone windshield

Model	ECM-925P
Polar pattern	cardioid/supercardioid
System	electret
Audio frequency range	80-12,000 Hz
Nominal impedance	normal 1 kΩ, tele 2.3 kΩ
Sensitivity	3/15 mV/Pa
S/N ratio	> 40 dB
Maximum sound pressure	120 dB
Power supply	⎓ 9-48 V, phantom power 1.5 V battery
Dimensions	Ø 25 mm x 285 mm
Weight	460 g
Cable	5 m
Connection	XLR



ECM-600ST

Order No. 23.0380

Electret stereo microphone, for applications with video cameras with the corresponding push-on camera adapter.

- Microphone windshield

Model	ECM-600ST
Polar pattern	cardioid
System	electret
Audio frequency range	50-18,000 Hz
Nominal impedance	2 x 600 Ω
Sensitivity	6 mV/Pa
Maximum sound pressure	120 dB
Power supply	1.5 V batt. AA size
Dimensions	Ø 22 mm x 201 mm
Weight	240 g
Connection	3.5 mm stereo plug



ECM-40

Order No. 23.2230

Universal electret microphone, with linear frequency response.

- For measuring systems and audio recordings
- Supplied with frequency graph

Model	ECM-40
Polar pattern	omnidir.
System	electret
Audio frequency range	30-18,000 Hz
Nominal impedance	500 Ω
Sensitivity	5.6 mV/Pa
S/N ratio	> 60 dB
Maximum sound pressure	120 dB
Power supply	⎓ 12-48 V, phantom power
Dimensions	Ø 13/19 mm x 158 mm
Weight	50 g
Cable	6 m
Connection	XLR, bal.



EMG-330P

Order No. 23.4270

Miniature electret directional microphone with gooseneck

- Transformer-balanced
- Hypercardioid/lobe characteristic
- Foam windshield
- 3-pole XLR plug

Model	EMG-330P
Polar pattern	hypercardioid/lobe
System	back electret
Audio frequency range	50-18,000 Hz
Nominal impedance	250 Ω
Sensitivity	10 mV/Pa
Maximum sound pressure	125 dB
Power supply	⎓ 9-48 V, phantom power
Dimensions	Ø 19 mm x 330 mm
Weight	125 g
Connection	3-pole XLR



DM-500USB
Order No. 23.5260

Dynamic microphone, with USB connector.
- For operating directly at a PC
- No driver installation required, device will be identified automatically
- Microphone cartridge with supercardioid polar pattern
- Integrated A/D converter
- Suitable for Windows* XP/Vista/7/8 or Mac OS* 9/X

Model	DM-500USB
Polar pattern	supercardioid
System	dynamic
Audio frequency range	50-16,000 Hz
Nominal impedance	600 Ω
Sensitivity	2.5 mV/Pa
Maximum sound pressure	140 dB
Dimensions	Ø 50 mm x 210 mm
Weight	300 g
Cable	3 m, USB Type-A plug
Connection	fitted cable



DM-70/SW
Order No. 23.1700

Dynamic microphone, for general PA applications.
- Cardioid polar pattern
- Plastic version
- On/off switch

Model	DM-70/SW
Polar pattern	cardioid
System	dynamic
Audio frequency range	100-10,000 Hz
Nominal impedance	600 Ω
Sensitivity	1.4 mV/Pa
Dimensions	Ø 53 mm x 205 mm
Weight	130 g
Cable	3 m, low-noise, 6.3 mm plug
Connection	fitted cable



ECM-700
Order No. 23.0360

Electret microphone, miniature version.
- Microphone cartridge with omnidir. polar pattern
- Removable clip
- On/off switch
- 1 m cable with 3.5 mm plug

Model	ECM-700
Polar pattern	omnidir.
System	electret
Audio frequency range	100-10,000 Hz
Nominal impedance	2.2 kΩ
Sensitivity	7.9 mV/Pa
S/N ratio	> 58 dB
Maximum sound pressure	110 dB
Power supply	⎓ 1-10 V
Dimensions	Ø 17 mm x 120 mm
Weight	0.021 kg
Cable	1 m
Connection	3.5 mm plug



ECM-10/SW
Order No. 23.2720

ECM-10/WS
Order No. 23.2730

Built-in phantom microphones
- Particularly suitable for PA applications
- Metal housing
- Black (SW) or white (WS) cartridge cover

Model	ECM-10/SW, ECM-10/WS
Polar pattern	omnidir.
System	electret
Audio frequency range	30-17,000 Hz
Nominal impedance	300 Ω
Sensitivity	2.3 mV/Pa
Maximum sound pressure	110 dB
Power supply	⎓ 9-48 V, phantom power
Dimensions	Ø 30 mm x 71 mm
Weight	90 g
Connection	XRL, bal.



DH-95N
Order No. 23.0030

DH-95NP
Order No. 23.4100

Hand-held dynamic microphones
- Low impedance
- With push-to-talk button
- Particularly suitable for CB and PA
- Supplied with microphone holder
- 300-6,000 Hz, 2.5 mV/Pa/1 kHz, 500 Ω



DH-95N: helix connection cable, bare cable ends
DH-95NP: helix connection cable, 6.3 mm stereo plug

MH-95
Order No. 23.0920

Push-to-talk microphone holder, screw-mounted.



Full specifications can be found on our website www.monacor-international.de.

ECM-302B
Order No. 23.2370

ECM-302B/WS
Order No. 23.3630

Boundary microphones
- Integrated electronics for direct connection to a phantom power supply ⎓ 17-48 V
- Transformer-balanced AF output
- With 6 m connection cable, 3-pole mini XLR/XLR

ECM-302B = black version
ECM-302B/WS = white version

Model	ECM-302B	ECM-302B/WS
Polar pattern	semi-cardioid	semi-cardioid
System	electret	electret
Audio freq. range	30-20,000 Hz	30-20,000 Hz
Nom. impedance	250 Ω	250 Ω
Sensitivity	22 mV/Pa	22 mV/Pa
Max. sound press.	140 dB	140 dB
Power supply	⎓ 17-48 V, phantom power	⎓ 17-48 V, phantom power
Dimensions	Ø 120 mm x 22 mm	Ø 120 mm x 22 mm
Weight	350 g	350 g
Cable	6 m	6 m
Connection	3-pole mini XLR/XLR	3-pole mini XLR/XLR



ECM-306B/SW
Order No. 23.5790

ECM-306B/WS
Order No. 23.5800

Boundary microphones
- On/off switch with power LED
- Low cut and 10 dB attenuation, switchable
- Integrated electronics for direct connection to a phantom power supply ⎓ 17-48 V
- Electronically balanced AF output
- With 6 m connection cable, 3-pole mini XLR/XLR
- Supplied in a foam-padded plastic case

ECM-306B/SW = black version
ECM-306B/WS = white version

Model	ECM-306B/SW	ECM-306B/WS
Polar pattern	semi-supercardioid	semi-supercardioid
System	electret	electret
Audio freq. range	30-20,000 Hz	30-20,000 Hz
Nom. impedance	250 Ω	250 Ω
Sensitivity	22 mV/Pa	22 mV/Pa
Max. sound press.	130 dB	130 dB
Power supply	⎓ 17-48 V, phantom power	⎓ 17-48 V, phantom power
Dimensions	90 x 16 x 90 mm	90 x 16 x 90 mm
Weight	200 g	200 g
Cable	6 m	6 m
Connection	3-pole mini XLR/XLR	3-pole mini XLR/XLR



ECM-304BD
Order No. 23.2510

ECM-304BD/WS
Order No. 23.3270

Boundary microphones
- Switchable between cardioid polar pattern and omnidirectional polar pattern
- Voltage supply via 1.5 V button cell (not supplied). Phantom power via mixer not required
- With 4 m connection cable, 3.5/6.3 mm plug

ECM-304BD = black version
ECM-304BD/WS = white version

Model	ECM-304BD	ECM-304BD/WS
Polar pattern	cardioid/omnidir.	cardioid/omnidir.
System	electret	electret
Audio frequency range	30-20,000 Hz	30-20,000 Hz
Nominal impedance	600 Ω/1,000 Ω	600 Ω/1,000 Ω
Sensitivity	7 mV/Pa	7 mV/Pa
Power supply	1.5 V button cell (LR44)	1.5 V button cell (LR44)
Dimensions	70 x 96 x 20 mm	70 x 96 x 20 mm
Weight	300 g	300 g
Cable	4 m	4 m
Connection	3.5/6.3 mm plug	3.5/6.3 mm plug



ECM-300B
Order No. 23.2390

Boundary microphone
- Extra compact version
- Phantom power via adapter EMA-300P, available at option
- With 6 m connection cable, 3-pole mini XLR

Model	ECM-300B
Polar pattern	semi-cardioid
System	electret
Audio frequency range	30-20,000 Hz
Nominal impedance	300 Ω
Sensitivity	4 mV/Pa
Maximum sound pressure	120 dB
Power supply	17-48 V via power supply adapter
Dimensions	Ø 43 mm x 15 mm
Weight	40 g
Cable	6 m
Connection	3-pole mini XLR, unbal.



EMG-600P

Order No. 23.2800

Electret gooseneck microphone, with red lighting ring.

- Particularly suitable for PA applications
- Cardioid polar pattern
- Microphone windshield
- 3-pole XLR plug

Model	EMG-600P
Polar pattern	cardioid
System	electret
Audio frequency range	100-16,000 Hz
Nominal impedance	1 kΩ
Sensitivity	4 mV/Pa
Power supply	⎓ 3-9 V, external via optional power supply
Dimensions	Ø 13/19 mm x 445 mm
Weight	190 g
Connection	3-pole XLR



EMG-610P

Order No. 23.2810

Electret gooseneck microphone, with red lighting ring.

- Particularly suitable for PA applications
- Cardioid polar pattern
- Microphone windshield
- Threaded part: Ø 10 mm x 40 mm

Model	EMG-610P
Polar pattern	cardioid
System	electret
Audio frequency range	100-16,000 Hz
Nominal impedance	1 kΩ
Sensitivity	4 mV/Pa
Power supply	⎓ 3-9 V, external via optional power supply
Dimensions	Ø 13/19 mm x 450 mm
Weight	190 g
Connection	bare cable ends



EMG-648P

Order No. 23.3250

Electret gooseneck microphone, with red lighting ring.

- Particularly suitable for PA applications
- Transformer-balanced
- Cardioid polar pattern
- Microphone windshield

Model	EMG-648P
Polar pattern	cardioid
System	electret
Audio frequency range	50-16,000 Hz
Nominal impedance	300 Ω
Sensitivity	4 mV/Pa
Power supply	⎓ 9-48 V, phantom power
Dimensions	Ø 13/19 mm x 440 mm
Weight	175 g
Connection	3-pole XLR



EMG-650P

Order No. 23.4330

Electret gooseneck microphone, with switchable low cut filter.
This microphone features an excellent radiation and a clear voice reproduction.

- Cardioid polar pattern
- Wide transmission range

Model	EMG-650P
Polar pattern	cardioid
System	electret
Audio frequency range	30-18,000 Hz
Nominal impedance	180 Ω
Sensitivity	4.5 mV/Pa
Maximum sound pressure	130 dB
Power supply	⎓ 9-48 V, phantom power
Dimensions	Ø 9/19 mm x 600 mm
Weight	175 g
Connection	XLR



EMG-500P

Order No. 23.1980

Electret gooseneck microphone

- Transformer-balanced
- Cardioid polar pattern
- Microphone windshield
- 3-pole XLR plug
- Total length: 480 mm

Model	EMG-500P
Polar pattern	cardioid
System	electret
Audio frequency range	80-16,000 Hz
Nominal impedance	250 Ω
Sensitivity	5 mV/Pa
Maximum sound pressure	130 dB
Power supply	⎓ 9-48 V, phantom power
Dimensions	Ø 19 mm x 480 mm
Weight	194 g
Connection	3-pole XLR



Full specifications can be found on our website www.monacor-international.de.

DMG-700

Order No. 23.2630

Dynamic gooseneck microphone

- Balanced connection
- Cardioid polar pattern
- 3-pole XLR connection
- Total length: 700 mm
- Supplied with microphone windshield WS-40

Model	DMG-700
Polar pattern	cardioid
System	dynamic
Audio frequency range	80-16,000 Hz
Nominal impedance	500 Ω
Sensitivity	1.4 mV/Pa
Dimensions	Ø 30 mm x 700 mm
Weight	232 g
Connection	3-pole XLR



DMG-450

Order No. 23.2620

Dynamic gooseneck microphone

- Balanced connection
- Cardioid polar pattern
- 3-pole XLR connection
- Total length: 450 mm
- Supplied with microphone windshield WS-40

Model	DMG-450
Polar pattern	cardioid
System	dynamic
Audio frequency range	80-16,000 Hz
Nominal impedance	500 Ω
Sensitivity	1.4 mV/Pa
Dimensions	Ø 30 mm x 450 mm
Weight	170 g
Connection	3-pole XLR



DMG-600

Order No. 23.1560

Dynamic gooseneck microphone

- Balanced version
- Cardioid polar pattern
- 3-pole XLR plug
- Total length: 565 mm

Model	DMG-600
Polar pattern	cardioid
System	dynamic
Audio frequency range	200-12,000 Hz
Nominal impedance	500 Ω
Sensitivity	2 mV/Pa
Dimensions	Ø 21 mm x 565 mm
Weight	162 g
Connection	XLR



DMG-400

Order No. 23.1550

Dynamic gooseneck microphone

- Excellent sound characteristics
- Balanced version
- Cardioid polar pattern
- M10 threaded part (length: 8 mm)
- For console and front mounting
- Total length: 385 mm

Model	DMG-400
Polar pattern	cardioid
System	dynamic
Audio frequency range	150-12,000 Hz
Nominal impedance	500 Ω
Sensitivity	2.2 mV/Pa
Dimensions	Ø 28 mm x 385 mm
Weight	252 g
Connection	bare cable ends



DMS-5

Order No. 23.5730

Desktop microphone base, for gooseneck microphones.

- High-quality reed switch (on/off)
- Selector switch for type of microphone (electret/dynamic)
- Non-slip diecast housing
- Microphone connection via XLR jack with latching device
- XLR output, balanced connection
- Operation via 48 V phantom power or two 1.5 V batteries AA size (not supplied)
- Dimensions: 140 x 50 x 155 mm
- Weight: 1.1 kg



DMS-1

Order No. 23.3490

Desktop microphone base, for gooseneck microphones.

- On/off switch
- Non-slip diecast housing
- Microphone connection via XLR jack with latching device
- XLR output, balanced connection
- Dimensions: 135 x 55 x 145 mm
- Weight: 1.3 kg



BH-009

Order No. 22.1280

Professional stereo headphones with dynamic boom microphone

- Perfectly closed system for ambient noise suppression
- Excellent sound characteristics, very comfortable to wear
- Flexible microphone boom, folding, continuously adjustable
- Padded ear cushions and headband
- 2 m cable with single-sided cable inlet and 3.5 mm plugs, supplied with two 6.3 mm adapters

Model	BH-009
Headphone driver	neodymium, Ø 40 mm
Type of transducer	dynamic
Max. input power	100 mW
Transmission range, headphones	20-20,000 Hz
Nominal impedance, headphones	250 Ω
Headphone sensitivity	117 dB/1 mW
Transmission range, mic.	120-6,000 Hz
Nominal impedance, microphone	600 Ω
Microphone system	dynamic, cardioid
Microphone sensitivity	1.8 mV/Pa/1 kHz
Cable	2 m, single-sided cable inlet
Plug	2 x 3.5 mm plug
Adapter	2 x 6.3 mm plug
Weight w/o cable	4



BH-009S

Order No. 22.1290

Professional mono headphone with dynamic boom microphone

- Closed system
- Excellent sound characteristics, very comfortable to wear
- Flexible microphone boom, folding, continuously adjustable
- Padded ear cushion and headband
- 2 m cable with single-sided cable inlet and 3.5 mm plugs, supplied with two 6.3 mm adapters

Model	BH-009S
Headphone driver	neodymium, Ø 40 mm
Type of transducer	dynamic
Max. input power	100 mW
Transmission range, headphones	20-20,000 Hz
Nominal impedance, headphones	250 Ω
Headphone sensitivity	117 dB/1 mW
Transmission range, mic.	120-6,000 Hz
Nominal impedance, microphone	600 Ω
Microphone system	dynamic, cardioid
Microphone sensitivity	1.8 mV/Pa/1 kHz
Cable	2 m, single-sided cable inlet
Plug	2 x 3.5 mm plug
Adapter	2 x 6.3 mm plug
Weight w/o cable	277 g



BH-003

VOLUME CONTROL

Order No. 22.0690

Stereo headphones with electret boom microphone

- Padded ear cushions and headband
- Volume control
- 2 m cable with single-sided cable inlet and 3.5 mm plugs, supplied with two 6.3 mm adapters

Model	BH-003
Headphone driver	Ø 40 mm
Type of transducer	dynamic
Max. input power	30 mW
Transmission range, headphones	20-20,000 Hz
Nominal impedance, headphones	32 Ω
Headphone sensitivity	105 dB/1 mW
Transmission range, mic.	50-12,500 Hz
Nominal impedance, microphone	2 kΩ
Microphone system	electret
Microphone sensitivity	1.3 mV/Pa/1 kHz
Power supply	⎓ 1.5-5 V, e.g. via EMA-20
Cable	2 m, single-sided cable inlet
Plug	2 x 3.5 mm plug, gold-plated
Adapter	2 x 6.3 mm plug, gold-plated
Weight w/o cable	170 g



BH-002

VOLUME CONTROL

Order No. 22.0040

Stereo headphones with electret boom microphone

- Padded ear cushions
- Volume control
- 2 m cable with single-sided cable inlet and 3.5 mm plugs

Model	BH-002
Headphone driver	Ø 40 mm
Type of transducer	dynamic
Max. input power	100 mW
Transmission range, headphones	20-20,000 Hz
Nominal impedance, headphones	32 Ω
Headphone sensitivity	105 dB/1 mW
Transmission range, mic.	100-10,000 Hz
Nominal impedance, microphone	1.5 kΩ
Microphone system	electret
Microphone sensitivity	1.3 mV/Pa/1 kHz
Power supply	⎓ 1.5-5 V, e.g. via EMA-20
Cable	2 m, single-sided cable inlet
Plug	2 x 3.5 mm plug
Weight w/o cable	118 g



Full specifications can be found on our website www.monacor-international.de.

MD-4800

Order No. 22.1250

DJ stereo headphones

- Closed system
- Turnable folding earpieces
- Padded ear cushions and headband
- 3 m cable with single-sided cable inlet
- 3.5 mm plug with 6.3 mm adapter

Model	MD-4800
Headphone driver	neodymium, Ø 50 mm
Type of transducer	dynamic
Max. input power	300 mW
Transmission range, headphones	18-20,000 Hz
Nominal impedance, headphones	32 Ω
Headphone sensitivity	105 dB/mW
Cable	3 m, single-sided cable inlet
Plug	3.5 mm plug
Adapter	6.3 mm plug
Weight w/o cable	255 g



MD-480

Order No. 22.1190

Stereo headphones

- For general applications
- Compact design
- Closed system
- Padded ear cushions and headband
- 1.2 m cable with single-sided cable inlet
- 3.5 mm plug with 6.3 mm adapter

Model	MD-480
Headphone driver	neodymium, Ø 38 mm
Type of transducer	dynamic
Max. input power	200 mW
Transmission range, headphones	20-20,000 Hz
Nominal impedance, headphones	32 Ω
Headphone sensitivity	95 dB/mW
Cable	1-2 m, single-sided cable inlet
Plug	3.5 mm plug
Adapter	6.3 mm plug
Weight w/o cable	150 g



MD-350

Order No. 22.0620

Stereo headphones

- For general applications
- Compact design
- Closed system
- Padded ear cushions
- 3 m helix cable with single-sided cable inlet
- 3.5 mm plug with thread for a secure connection to the supplied 6.3 mm adapter

Model	MD-350
Headphone driver	neodymium, Ø 40 mm
Type of transducer	dynamic
Max. input power	100 mW
Transmission range, headphones	20-20,000 Hz
Nominal impedance, headphones	32 Ω
Headphone sensitivity	105 dB/mW
Cable	3 m, single-sided cable inlet
Plug	3.5 mm plug
Adapter	6.3 mm plug
Weight w/o cable	180 g



MD-460

Order No. 22.1310

Design stereo headphones

- Excellent acoustic performance
- Open system
- Turnable folding earpieces
- Padded ear cushions and headband
- 1.2 m connection cable with textile sleeve, removable, with gold-plated 3.5 mm plug

Model	MD-460
Type	headphones
Transmission method	cable
Headphone driver	Ø 30 mm
Type of transducer	dynamic
Max. input power	100 mW
Transmission range, headphones	10-20,000 Hz
Nominal impedance, headphones	8.2 kΩ
Cable	1.2 m, single-sided cable inlet
Plug	3.5 mm plug, gold-plated
Weight w/o cable	120 g



MD-4600

Order No. 22.0680

Stereo headphones

- For general applications
- Closed system
- Padded ear cushions
- 2 m cable with single-sided cable inlet
- Gold-plated 3.5 mm plug with 6.3 mm adapter

Model	MD-4600
Headphone driver	ferrite
Type of transducer	dynamic
Max. input power	30 mW
Transmission range, headphones	20-20,000 Hz
Nominal impedance, headphones	32 Ω
Headphone sensitivity	105 dB/mW
Cable	2 m, single-sided cable inlet
Plug	3.5 mm plug
Adapter	6.3 mm plug
Weight w/o cable	220 g



MD-390

Order No. 22.0100

Stereo headphones

- For general applications
- Closed system
- Padded ear cushions and headband
- 1.5 m cable with single-sided cable inlet
- Gold-plated 3.5 mm plug with 6.3 mm adapter

Model	MD-390
Headphone driver	neodymium, Ø 40 mm
Type of transducer	dynamic
Max. input power	100 mW
Transmission range, headphones	20-20,000 Hz
Nominal impedance, headphones	32 Ω
Cable	1.5 m, single-sided cable inlet
Plug	3.5 mm plug, gold-plated
Adapter	6.3 mm plug, gold-plated
Weight w/o cable	160 g



MDH-6300

Order No. 22.1090

Mono hand-held DJ headphone

- Powerful neodymium magnet driver Ø 50 mm
- Closed system
- Movable earpiece
- Padded ear cushion
- Ergonomic padded handle
- Removable helix connection cable (1.3-2.8 m) with latchable XLR inline jack and right-angle 6.3 mm stereo plug
- Supplied with transport bag

Model	MDH-6300
Headphone driver	neodymium, Ø 50 mm
Type of transducer	dynamic
Max. input power	3,500 mW
Transmission range, headphones	10-22,000 Hz
Nominal impedance, headphones	46 Ω
Headphone sensitivity	96 dB/mW
Cable	1.3-2.8 m
Plug	6.3 mm plug
Weight w/o cable	152 g



Full specifications can be found on our website www.monacor-international.de.

MD-306
Order No. 22.1070

Stereo headphones
- Extra lightweight version
- Turnable earpieces
- Padded ear cushions
- 1.2 m cable with single-sided cable inlet and 3.5 mm plug

Model	MD-306
Headphone driver	neodymium, Ø 30 mm
Type of transducer	dynamic
Max. input power	50 mW
Transmission range, headphones	20-20,000 Hz
Nominal impedance, headphones	32 Ω
Headphone sensitivity	110 dB/mW
Cable	1.2 m, single-sided cable inlet
Plug	3.5 mm plug
Weight w/o cable	50 g



MD-302
Order No. 22.1160

Stereo headphones
- Extra lightweight version
- Turnable earpieces
- 1.2 m cable with single-sided cable inlet and 3.5 mm plug

Model	MD-302
Headphone driver	neodymium, Ø 30 mm
Type of transducer	dynamic
Transmission range, headphones	20-20,000 Hz
Nominal impedance, headphones	32 Ω
Headphone sensitivity	110 dB/mW
Cable	1.2 m, single-sided cable inlet
Plug	3.5 mm plug, nickel-plated
Weight w/o cable	50 g



MD-260
Order No. 22.0760

Stereo headphones
- Comfortable and secure fit due to earband/neckband
- Removable foam ear cushions
- Single-sided cable inlet
- 1.5 m connection cable with a 3.5 mm stereo plug

Model	MD-260
Headphone driver	Ø 30 mm
Type of transducer	dynamic
Max. input power	80 mW
Transmission range, headphones	20-20,000 Hz
Nominal impedance, headphones	32 Ω
Headphone sensitivity	101 dB/mW
Cable	1.5 m, single-sided cable inlet
Plug	3.5 mm plug, stereo
Weight w/o cable	35 g



MD-39
Order No. 22.0070

Stereo headphones
- Well-balanced sound
- Universal headphones
- Extra lightweight version
- 1.2 m cable with 3.5 mm stereo plug

Model	MD-39
Headphone driver	ferrite
Type of transducer	dynamic
Max. input power	100 mW
Transmission range, headphones	20-20,000 Hz
Nominal impedance, headphones	32 Ω
Cable	1.1 m
Plug	3.5 mm plug
Weight w/o cable	28 g



MD-22
Order No. 22.1270

Stereo headphones
- Ideally suited for guided tours, coaches, hospitals or hotels
- 1.5 m cable with 3.5 mm stereo plug
- Individually packed in a plastic bag

Model	MD-22
Headphone driver	ferrite, Ø 27 mm
Max. input power	20 mW
Cable	1.5 m
Plug	3.5 mm plug
Weight w/o cable	25 g



ES-200
Order No. 22.0130

Mono earphone
- Plastic holder and ear cartridge, adjustable in height for an optimum fit
- Dynamic 32 Ω system
- 1 m connection cable and 3.5 mm mono plug

Model	ES-200
Headphone driver	ferrite
Type of transducer	dynamic
Max. input power	100 mW
Transmission range, headphones	100-18,000 Hz
Nominal impedance, headphones	32 Ω
Headphone sensitivity	100 dB/mW
Cable	1 m
Plug	3.5 mm mono plug
Weight w/o cable	22 g



ES-10
Order No. 22.0590

Mono earphone
- Plastic holder for an optimum fit
- Dynamic 32 Ω system
- 1 m connection cable and 3.5 mm mono plug

Model	ES-10
Headphone driver	mylar, Ø 15 mm
Type of transducer	dynamic
Max. input power	30 mW
Transmission range, headphones	30-20,000 Hz
Nominal impedance, headphones	32 Ω
Headphone sensitivity	110 dB/mW
Cable	1 m
Plug	3.5 mm mono plug
Weight w/o cable	11 g



ES-16
Order No. 22.0740

Mono earphone
- Flexible rubber ear hook for a secure fit
- Dynamic 32 Ω system
- 1.2 m connection cable with gold-plated 3.5 mm stereo plug

Model	ES-16
Type of transducer	dynamic
Max. input power	50 mW
Transmission range, headphones	20-20,000 Hz
Nominal impedance, headphones	32 Ω
Headphone sensitivity	105 dB/mW
Cable	1.2 m
Plug	3.5 mm stereo plug
Weight w/o cable	8 g



ES-220
Order No. 22.0190

Mono earphone
- Approved ring holder for a tight fit
- Magnetic 8 Ω system
- 1.5 m connection cable and 3.5 mm mono plug

Model	ES-220
Headphone driver	ferrite
Type of transducer	dynamic
Max. input power	100 mW
Transmission range, headphones	100-18,000 Hz
Nominal impedance, headphones	8 Ω
Headphone sensitivity	125 dB/mW
Cable	1.5 m
Plug	3.5 mm mono plug
Weight w/o cable	30 g



ES-230
Order No. 22.0250

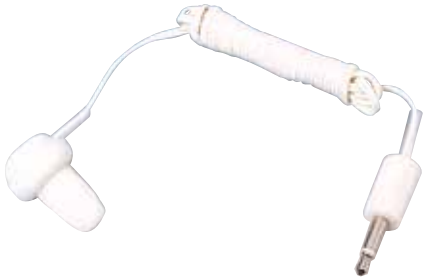
Mono earphone, lightweight version.
- Flexible soft ring holder for a comfortable fit
- Magnetic 8 Ω system
- 1.5 m connection cable and 3.5 mm mono plug

Model	ES-230
Headphone driver	neodymium, Ø 23 mm
Type of transducer	dynamic
Max. input power	40 mW
Transmission range, headphones	20-20,000 Hz
Nominal impedance, headphones	8 Ω
Headphone sensitivity	110 dB/mW
Cable	1.5 m
Plug	3.5 mm mono plug
Weight w/o cable	20 g



S-83
Order No. 22.0140

Earphone
- Magnetic system
- With connection lead and 3.5 mm plug



SE-30
Order No. 22.0110

In-ear stereo earphones
- Univeral monitoring earphones
- Silicone earpieces, comfortable to wear
- 3.5 mm stereo plug

Model	SE-30
Headphone driver	Ø 10 mm
Type of transducer	dynamic
Max. input power	50 mW
Transmission range, headphones	100-18,000 Hz
Nominal impedance, headphones	32 Ω
Headphone sensitivity	90 dB/mW
Cable	1.2 m
Plug	3.5 mm stereo plug
Weight w/o cable	4 g



SE-20
Order No. 22.0700

Stereo earphones
- Ideal for guided tours, coaches, hospitals or hotels
- Replaceable foam cushions
- 3.5 mm stereo plug
- Individually packed in a plastic bag

Model	SE-20
Type of transducer	dynamic
Max. input power	20 mW
Transmission range, headphones	20-20,000 Hz
Nominal impedance, headphones	32 Ω
Headphone sensitivity	98 dB/mW
Cable	1.2 m
Plug	3.5 mm stereo plug
Weight w/o cable	3 g



SE-80
Order No. 22.0330

In-ear stereo earphones
- Excellent sound with a powerful bass reproduction and a brilliant reproduction of the high frequencies
- Silicone sleeves, comfortable to wear, including 1 pair of replacement sleeves
- 3.5 mm stereo plug

Model	SE-80
Headphone driver	neodymium, Ø 10 mm
Type of transducer	dynamic
Max. input power	15 mW
Transmission range, headphones	20-20,000 Hz
Nominal impedance, headphones	32 Ω
Headphone sensitivity	103 dB/mW
Cable	1.2 m
Plug	3.5 mm stereo plug
Weight w/o cable	4 g



SE-62
Order No. 22.0940

In-ear stereo earphones
- Well-balanced and clear sound with a full bass reproduction
- Supplied with 2 pairs of sleeves in different shapes
- Storage bag
- Gold-plated 3.5 mm stereo plug

Model	SE-62
Headphone driver	Ø 10 mm
Type of transducer	dynamic
Max. input power	50 mW
Transmission range, headphones	10-20,000 Hz
Nominal impedance, headphones	16 Ω
Headphone sensitivity	103 dB/mW
Cable	1 m
Plug	3.5 mm stereo plug
Weight w/o cable	4 g



SE-52
Order No. 22.0060

Stereo earphones
- Optimised for mobile audio devices
- Well-balanced sound
- 3.5 mm stereo plug

Model	SE-52
Headphone driver	Ø 10 mm
Type of transducer	dynamic
Max. input power	30 mW
Transmission range, headphones	20-20,000 Hz
Nominal impedance, headphones	32 Ω
Headphone sensitivity	108 dB/mW
Cable	1.2 m
Plug	3.5 mm stereo plug
Weight w/o cable	6 g



SE-50
Order No. 22.0710

Stereo earphones
- Well-balanced sound
- 3.5 mm stereo plug

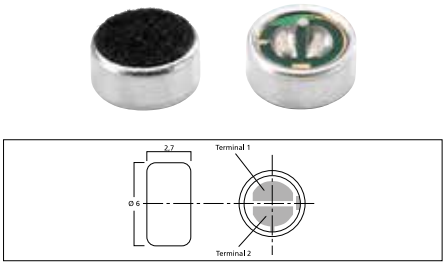
Model	SE-50
Type of transducer	dynamic
Max. input power	20 mW
Transmission range, headphones	20-20,000 Hz
Nominal impedance, headphones	32 Ω
Headphone sensitivity	98 dB/mW
Cable	1.2 m
Plug	3.5 mm stereo plug
Weight w/o cable	3 g



MCE-4500
Order No. 23.3700

High-quality subminiature back electret microphone cartridge for standard microphones, (omnidirectional polar pattern), small-sized housing.

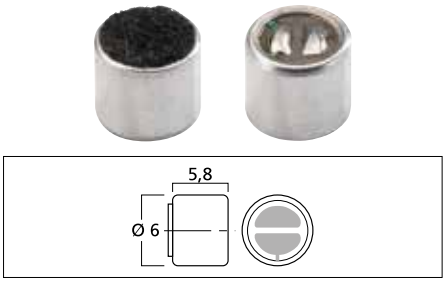
Model	MCE-4500
Polar pattern	omnidir.
Frequency range	20-16,000 Hz
Sensitivity	6.3 mV/Pa
Output impedance	2.2 kΩ
S/N ratio	> 58 dB
Coupling capacitor	0.1-4.7 µF
Admiss. ambient temp.	0-40 °C
Power supply	⎓ 1.5-10 V/0.5 mA
Dimensions	Ø 6 mm 2.7 mm
Weight	1 g



MCE-4001
Order No. 23.6740

High-quality subminiature electret microphone cartridge, (omnidirectional polar pattern).

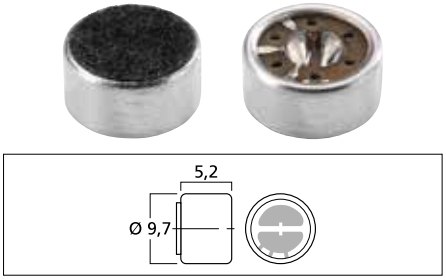
Model	MCE-4001
Polar pattern	omnidir.
Frequency range	20-20,000 Hz
Sensitivity	6.3 mV/Pa
Maximum sound pressure	115 dB
Output impedance	2.2 kΩ
S/N ratio	> 58 dB
Admiss. ambient temp.	0-40 °C
Power supply	⎓ 1-10 V/0.5 mA
Dimensions	Ø 6 mm x 5.2 mm
Weight	1 g



MCE-404U
Order No. 23.3690

High-quality back electret microphone cartridge, (cardioid polar pattern).

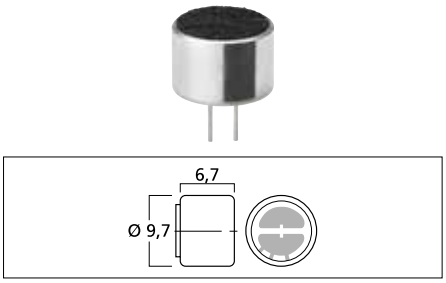
Model	MCE-404U
Polar pattern	cardioid
Frequency range	100-16,000 Hz
Sensitivity	3.2 mV/Pa
Output impedance	680 Ω
S/N ratio	> 60 dB
Coupling capacitor	0.1-4.7 µF
Admiss. ambient temp.	0-40 °C
Power supply	⎓ 1.5-10 V/0.5 mA
Dimensions	Ø 9.7 mm x 5.2 mm
Weight	1 g



MCE-400
Order No. 23.3660

High-quality electret microphone cartridge, (omnidirectional polar pattern), for PCB mounting, pin spacing 2.5.

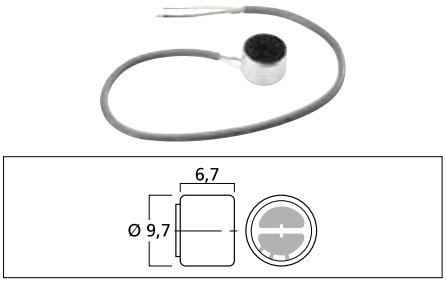
Model	MCE-400
Polar pattern	omnidir.
Frequency range	50-16,000 Hz
Sensitivity	7.9 mV/Pa
Output impedance	2.2 kΩ
S/N ratio	> 58 dB
Coupling capacitor	0.1-4.7 µF
Admiss. ambient temp.	0-40 °C
Power supply	⎓ 1.5-10 V/0.5 mA
Dimensions	Ø 9.7 mm x 6.7 mm
Weight	1 g



MCE-401
Order No. 23.3670

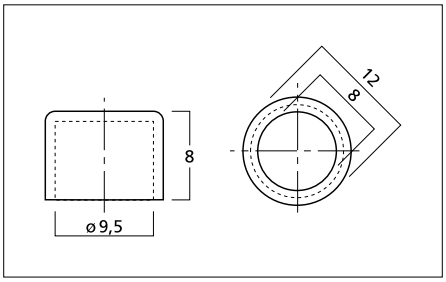
High-quality electret microphone cartridge, (omnidirectional polar pattern), with 150 mm shielded cable and insulated, tin-plated cable ends.

Model	MCE-401
Polar pattern	omnidir.
Frequency range	50-16,000 Hz
Sensitivity	7.9 mV/Pa
Output impedance	2.2 kΩ
S/N ratio	> 58 dB
Coupling capacitor	0.1-4.7 µF
Admiss. ambient temp.	0-40 °C
Power supply	⎓ 1.5-10 V/0.5 mA
Dimensions	Ø 9.7 mm x 6.7 mm
Weight	2 g



MCER-4
Order No. 23.3640

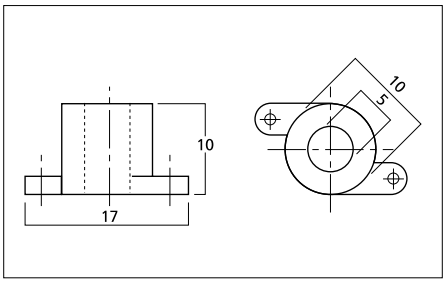
Microphone cartridge holder, rubber, for protection and correct insertion of electret microphone cartridges. Suitable for cartridges with a diameter of 9.7 mm.





MCER-5
Order No. 23.3650

Microphone cartridge holder, rubber, for protection and correct insertion of electret microphone cartridges. Suitable for cartridges with a diameter of 6 mm.

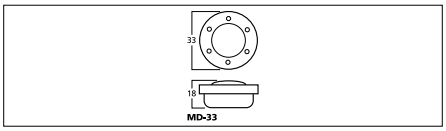




MD-33
Order No. 23.0870

Dynamic microphone cartridge, especially clear voice reproduction.
Ø 33 mm x 18 mm

Model	MD-33
Frequency range	400-8,000 Hz
Sensitivity	2.5 mV/Pa
Output impedance	500 Ω

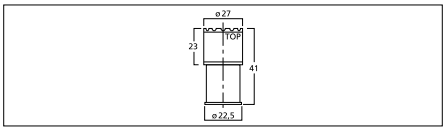




MD-110
Order No. 23.3720

Dynamic microphone cartridge,
cardioid polar pattern, also suitable as a replacement cartridge for DM-1100.

Model	MD-110
Polar pattern	cardioid
Frequency range	50-16,000 Hz
Sensitivity	2 mV/Pa
Output impedance	600 Ω





MD-821HT
Order No. 23.5470

Replacement microphone cartridge, dynamic, cardioid polar pattern, e.g. for hand-held microphones TXS-821HT and TXS-822HT.

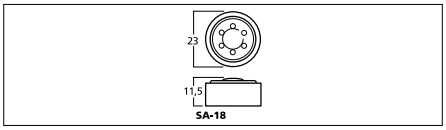
Model	MD-821HT
Polar pattern	cardioid
Frequency range	50-15,000 Hz
Sensitivity	2.5 mV/Pa
Output impedance	600 Ω/1 kHz



SA-18
Order No. 23.1210

Dynamic microphone cartridge,
omnidirectional polar pattern, with protected diaphragm.
Ø 23 mm x 11.5 mm

Model	SA-18
Polar pattern	omnidir.
Frequency range	100-10,000 Hz
Sensitivity	2.5 mV/Pa
Output impedance	200 Ω





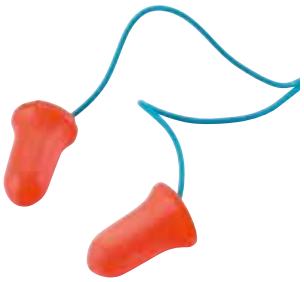
ULTRATECH
Order No. 22.1050

1 pair of high-quality ear plugs, particularly suitable for enjoying music without damaging the hearing, e.g. at concerts or similar events, in a discotheque or as a musician on stage or in a practice room.
A sophisticated filter system allows for an equal absorption at almost every frequency. Thus, it results in a transparent sound which is only attenuated and by no means muffled. The voice transmission is also enhanced which allows for a good audibility. Three soft membranes provide a perfect fit in the ear. It is comfortable to wear, even for longer periods of time.
- Medium absorption: 21 dB
- According to EN 352-2
- Comfortable to wear due to lamellar design
- Supplied with storage box



CORDMAX-2
Order No. 22.1010

1 pair of ear plugs, with a firmly attached band.
- Medium absorption: 37 dB
- According to EN 352
- Super soft, hypoallergenic polyurethane foam, conical shape
- Comfortable to wear
- Hygienically packed in a transparent cover
- Signal colour, thus can easily be seen from a distance



SPARKPLUG
Order No. 22.1030

Pair of ear plugs, for inserting into the ear canal to protect against noise.
- Medium absorption: 35 dB
- According to EN 352
- Hygienically packed in a transparent bag
- Super soft, hypoallergenic polyurethane foam, conical shape
- Comfortable to wear
- Randomly coloured, every ear plug looks different



SPARKPLUG-200
Order No. 22.1040

Dispenser with 200x SPARKPLUG, for a higher consumption, e.g. at big events and in companies with a high noise emergence.
- Medium absorption: 35 dB
- According to EN 352
- 200 pairs of coloured ear plugs, each pair hygienically packed in a transparent bag
- Ear plugs of super soft, hypoallergenic polyurethane foam, conical shape
- Carton with dispenser drawer



CLEANUP
Order No. 22.1320

30 ml

Cleaning spray, for ear plugs and in-ear monitoring earphones.
- Cleans, disinfects and protects
- Gentle on sensitive surfaces
- Very economical
- 30 ml



WS-100
Order No. 23.2750

Microphone windshield, for studio applications.
- Fabric covering
- Adjustable metal arm
- Stand clamp



WS-950
Order No. 23.3760

1x

Microphone windshield, black foam.
- For microphones with Ø 21-26 mm
- Dimensions: Ø 40 mm x 145 mm
- Suitable e.g. for ECM-950



WS-200/SK
Order No. 23.5400 — 1x

WS-200/SW
Order No. 23.5410 — 1x

Microphone windshields,
beige (SK) or black (SW) foam.
- For microphones with Ø 2-4 mm
- Dimensions: Ø 7 mm x 15 mm



WS-20
Order No. 23.2570 — 1x

Microphone windshield, black foam.
- For microphones with Ø 12-14 mm
- Dimensions: Ø 20 mm x 22 mm
- Suitable e.g. for ECM-3003, ECM-3005



WS-150/SK
Order No. 23.4310 — 4x

WS-150/SW
Order No. 23.4320 — 4x

Microphone windshields, 4 pcs.
beige or black foam.
- For microphones with Ø 4-6 mm
- Dimensions: Ø 11 mm x 12 mm



WS-40
Order No. 23.2590 — 1x

Microphone windshield, black foam.
- For microphones with Ø 21-26 mm
- Dimensions: Ø 39 mm x 55 mm
- Suitable e.g. for DMG-600



WS-300/SK
Order No. 23.5420 — 1x

WS-300/SW
Order No. 23.5430 — 1x

Microphone windshields,
beige (SK) or black (SW) foam.
- For microphones with Ø 4-6 mm
- Dimensions: Ø 17 mm x 29 mm



WS-50
Order No. 23.2600 — 1x

Microphone windshield, black foam.
- Long version
- For microphones with Ø 21-26 mm
- Dimensions: Ø 42 mm x 65 mm
- Suitable e.g. for ECM-100, ECM-600ST



WS-100/SW
Order No. 23.5390 — 1x

Microphone windshield, black foam.
- For microphones with Ø 6-8 mm
- Dimensions: Ø 18 mm x 32 mm
- Suitable e.g. for the HSE-100 series



WS-3
Order No. 23.1250 — 1x

Microphone windshield, black foam.
- For microphones with Ø 40-50 mm
- Dimensions: Ø 40 mm x 70 mm
- Suitable e.g. for DM-2500



WS-10
Order No. 23.2560 — 1x

Microphone windshield, black foam.
- For microphones with Ø 7-9 mm
- Dimensions: Ø 14 mm x 15 mm
- Suitable e.g. for ECM-300L



WS-60
Order No. 23.2610 — 1x

Microphone windshield, black foam.
- For microphones with Ø 40-50 mm
- Dimensions: Ø 60 mm x 70 mm
- Suitable e.g. for DM-2500 and microphones of the same design



WS-30
Order No. 23.2580 — 1x

Microphone windshield, black foam.
- For microphones with Ø 11-15 mm
- Dimensions: Ø 30 mm x 51 mm
- Suitable e.g. for ECM-200, PAM-10



WS-5
Order No. 23.1260 — 5x

Set of microphone windshields,
foam, 5 colours (blue, yellow, green, red, black).
- For microphones with Ø 40-50 mm
- Dimensions: Ø 35 mm x 70 mm
- Suitable e.g. for DM-2500



NTA-2SE
Order No. 23.5210

Adapter
3.5 mm stereo plug to 2.5 mm stereo inline jack.
For connecting headband and earband microphones HSE-60A/SK, HSE-70A/SK, HSE-150A/SK and HSE-152A/SK.



NTA-3A
Order No. 23.5220

Adapter
3-pole mini XLR inline jack to 2.5 mm stereo inline jack.
For connecting headband and earband microphones HSE-60A/SK, HSE-70A/SK, HSE-150A/SK and HSE-152A/SK.



NTA-4SH
Order No. 23.5240

Adapter
4-pole mini XLR inline jack to 2.5 mm stereo inline jack.
For connecting headband and earband microphones HSE-60A/SK, HSE-70A/SK, HSE-150A/SK and HSE-152A/SK.



NTA-4M
Order No. 23.5230

Adapter
4-pole mini XLR inline jack to 2.5 mm stereo inline jack.
For connecting headband and earband microphones HSE-60A/SK, HSE-70A/SK, HSE-150A/SK and HSE-152A/SK.



NTA-4AT
Order No. 23.6570

Adapter
4-pole Hirose inline jack to 2.5 mm inline jack.
For connecting headband or earband microphones with 2.5 mm plug to wireless transmission systems of other manufacturers.



HSE-70C
Order No. 23.5200

Replacement connection cable,
for earband microphones HSE-70A/SK, HSE-150A/SK, HSE-152A/SK.
Length: 1.2 m.



MH-2/SK
Order No. 23.5770

MH-2/SW
Order No. 23.5780

Clips
- For connection cables of headband or earband microphones
- Beige (/SK) or black (/SW) lacquered metal version
- For cables up to: Ø 1.5 mm



EP-302
Order No. 22.1170

4x

Foam headphone pads, 4 pcs., black, for MD-302 or similar headphones.
Dimensions of opening:
normal: 39 x 48 mm, max.: 56 x 62 mm.



EP-4
Order No. 22.0220

4x

Set of foam headphone pads, 2 blue pads, 2 black pads, for MD-39 or similar-sized headphones.
Dimensions of opening:
normal: Ø 18 mm, max.: Ø 35 mm.



EP-6/SW
Order No. 22.1150

6x

Foam earphone pads, 6 pcs., black, for SE-50, SE-20 or similar earphones.
Dimensions of opening:
normal: Ø 7.5 mm, max.: Ø 15 mm.



ATT-442ST

Order No. 17.1860

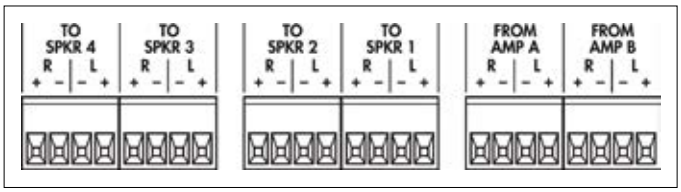


4-channel speaker volume control, stereo

Particularly high quality due to transformer technology with universal output assignment (4-16 Ω for each speaker), 20-20,000 Hz, attenuation in 10 steps for each pair, position 0 is OFF.

- 2 stereo inputs (100 W max. for each channel) and 4 stereo speaker outputs (18 W/4-16 Ω each)
- Source selector switch for each speaker output
- Screw terminals
- Black metal housing
- Dimensions: 432 x 78 x 190 mm
- Weight: 3.4 kg

With this device, it is finally possible to adjust the level of several pairs of speakers (up to 4) independently, even without 100 V line technique and connect them together to basic amplifiers without any problems. Even speaker systems with different impedances between 4 and 16 Ω can be mixed as desired.
Ideally suited for restaurants and bars.



SPS-80S

Order No. 21.1750



Speaker switch box

- For connecting up to 8 pairs of speakers (4-8 Ω) in any combination to 1 stereo amplifier output
- With built-in power protective resistors
- Music power: 300 W
- Dimensions: 310 x 60 x 115 mm
- Weight: 1.1 kg

SPS-40S

Order No. 21.0390



Speaker switch box

- For connecting up to 4 pairs of speakers (4-8 Ω) in any combination to 1 stereo amplifier output
- With built-in power protective resistors
- Music power: 200 W

SPS-20S

Order No. 21.0670



Speaker switch box

- For connecting up to 2 pairs of speakers (4-8 Ω) in any combination to 1 stereo amplifier output
- Music power: 200 W
- Dimensions: 176 x 50 x 100 mm
- Weight: 430 g

SPS-41A

Order No. 21.0410



Stereo line switch box, for 4 line sources to 1 amplifier line input.

LPC-1

Order No. 21.0600



Line/phono adapter

- Input: 2 x RCA, 56 kΩ/1 kHz
- Output: 2 x RCA, 560 Ω/1 kHz
- Dimensions: 37 x 53 x 22 mm
- Weight: 50 g
- No power supply required

SMC-1

Order No. 21.1930



Stereo/mono converter

- 1 x stereo to 2 x mono
- Input impedance: 4.7 kΩ
- Connections: input 1 x RCA L/R, output 2 x RCA mono
- Dimensions: 65 x 22 x 37 mm

ILA-1020

PAAR PAIR

Order No. 21.2840



Passive level attenuators

- Attenuation to be adjusted in 3 steps: 10 dB/15 dB/20 dB
- RCA plug to RCA inline jack
- Gold-plated contacts
- No power supply required

PB-05E

Order No. 25.5680



Automatic microphone switch, with optical distance sensor.

- For dynamic microphones with balanced output configuration
- Operation via 48 V phantom power
- Adjustable distance: 0-1.5 m, detection angle: 15°

EN-120
Order No. 21.0220



Head shell, for accepting a phono cartridge system, e.g. EN-24 from MONACOR.
- Standardised 4-pole bayonet version with 4-colour plug-in connection leads

Image similar.

DC-100
Order No. 21.0030



Antistatic carbon fibre LP brush, more than 1 million conducting fibres discharge static charges and remove dust. An important accessory for your valuable record collection.

EN-24
Order No. 21.0200



Stereo magnetic phono cartridge, (moving magnet).
- Diamond stylus and 1.3 cm (½") fixing
- Stylus pressure: 1.5 g

DJP-2M
Order No. 21.2740



Felt slipmat, for turntable platters.

EN-24SP
Order No. 21.0210



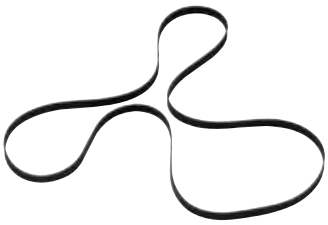
Diamond stylus, for phono cartridge system EN-24.

DMP-12CC
Order No. 21.2930



Connection cable for insertion modules of the DMP-... series as well as M-32CD and M-34CDP
- 5-pin multipoint connector to RCA jack L/R and low-voltage jack 5.5/2.1 mm
- Total cable length: approx. 40 cm

P-124DJP
Order No. 21.2110



Replacement drive belt
- Suitable for turntables DJP-104P, DJP-106SD and DJP-104USB as well as many other turntables with belt drive
- Drive belt diameter: approx. 17 cm, length: approx. 53 cm

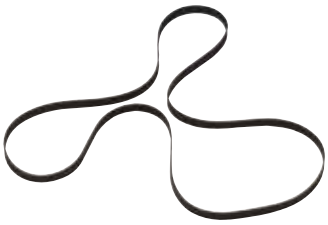
SB-123
Order No. 02.0510

PAAR
PAIR



Replacement bulb
- 12 V/3 W
- Bayonet cap
- Matching gooseneck lights GNL-100, GNL-200 and GNL-300

P-121DJP
Order No. 21.0950



Replacement drive belt
- Suitable for turntables DJP-100, DJP-102/SI, DJP-120 and DJP-122 as well as many other turntables with belt drive
- Drive belt diameter: approx. 21 cm, length: approx. 64 cm

SB-125
Order No. 02.0500

PAAR
PAIR



Replacement bulb
- 12 V/5 W
- Bayonet cap
- Matching gooseneck lights GNL-205, GNL-305 and GNL-405

P-103CD
Order No. 21.0930



Replacement control cable, length: 2 m.
- 8-pole right-angle mini DIN plugs with gold-plated contact pins
- As standard control cable suitable for dual CD players and similar devices

GNL-204
Order No. 24.3700

LED gooseneck light
- 4 white LEDs of high luminous intensity
- 12 V/60 mA
- Narrow beam angle
- BNC plug-in connector
- Length: 39 cm



GNL-304
Order No. 24.3710

LED gooseneck light
- 4 white LEDs of high luminous intensity
- 12 V/60 mA
- Narrow beam angle
- XLR connector, 3 poles
- Length: 41 cm



GNL-404
Order No. 24.3720

LED gooseneck light
- 4 white LEDs of high luminous intensity
- 12 V/60 mA
- Narrow beam angle
- XLR connector, 4 poles
- Length: 41 cm



GNL-214
Order No. 25.2370

LED gooseneck light
- 12 V/35 mA
- Wide beam angle
- BNC plug-in connector
- Length: 38 cm



GNL-314
Order No. 25.2380

LED gooseneck light
- 12 V/35 mA
- Wide beam angle
- XLR connector, 3 poles
- Length: 40 cm



GNL-414
Order No. 25.2390

LED gooseneck light
- 12 V/35 mA
- Wide beam angle
- XLR connector, 4 poles
- Length: 40 cm



NPL-2
Order No. 25.2610

Music stand light with 2 LED gooseneck lights and clip, can be switched individually.
- Power supply: 3 x 1.5 V battery AAA size (not supplied) or ⎓ 4.5 V/100 mA via optional power supply



FS-202
Order No. 24.8950

Foot switch, for switching stage equipment. Ideally suited for guitar amplifiers with stereo foot switch connection.
- 2 x on/off switching function
- Metal case, 5 m connection cable with 6.3 mm stereo plug



FS-100
Order No. 24.6500

Foot switch, for switching stage equipment.
- 1 x on/off switching function
- Metal case, 5 m connection cable, 6.3 mm mono plug
- 80 x 48 x 105 mm



FS-50A
Order No. 01.0280

Foot pedal (ON/OFF)
- For musical instruments in combination with electronic accessories
- Anti-slip, gripping pedal surface: 8 x 6 cm
- 3 m connection cable with 6.3 mm plug
- Dimensions: 65 x 35 x 88 mm



FS-50
Order No. 01.0270

Momentary action foot pedal, (push = ON).
- For musical instruments in combination with electronic accessories
- Anti-slip, gripping pedal surface: 8 x 6 cm
- 3 m connection cable with 6.3 mm plug
- Dimensions: 65 x 35 x 88 mm



FS-60
Order No. 01.0290

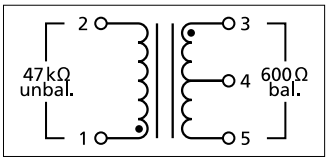
Momentary action foot pedal, (push = ON).
- Robust version, suit. for stage applications
- For applications using equipment and instruments
- 3 m connection cable with 6.3 mm plug
- Dimensions: 80 x 33 x 92 mm



DIB-110
Order No. 21.2140



DI transformer 10:1
- Unshielded version with PCB connections
- Wideband version
- Change from unbalanced to balanced and vice versa
- Galvanic isolation to avoid/eliminate hum loops
- Max. input voltage: 5 V (1% THD/40 Hz)

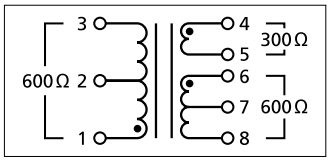


Model	DIB-110
Frequency range	15-30,000 Hz
Input impedance	47 kΩ, unbal.
Output impedance	600 Ω, bal.
Transmission ratio	10:1
Dimensions	25 x 24 x 21 mm
Weight	28 g
Inputs	PCB connections
Outputs	PCB connections

LTR-110
Order No. 21.0500

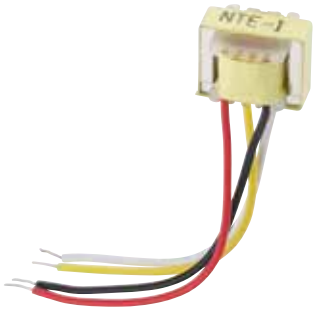


Audio transformer 1:1/2:1 for line signals
- Unshielded version with PCB connections
- Wideband version
- Change from unbalanced to balanced and vice versa
- Galvanic isolation to avoid/eliminate hum loops
- Various level adjustment possibilities when windings are arranged accordingly

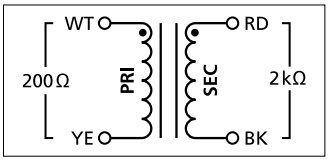


Model	LTR-110
Frequency range	15-30,000 Hz
Input signal	5 V
Input impedance	600 Ω
Output impedance	600 Ω/300 Ω
Transmission ratio	1:1/2:1
Dimensions	25 x 19 x 19.5 mm
Weight	28 g
Inputs	PCB connections
Outputs	PCB connections

NTE-1
Order No. 21.2370

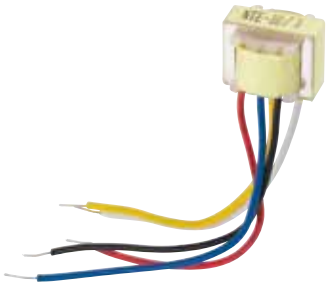


Audio transformer 1:1 for microphone signals, from NEUTRIK.
- Very compact design, e.g. also suitable for installation into connector housings
- Unshielded version with bare wire connections (70 mm)
- Wideband version
- Balance adjustment
- Galvanic isolation to avoid/eliminate hum loops
- Max. input voltage: 550 mV (1% THD/50 Hz)

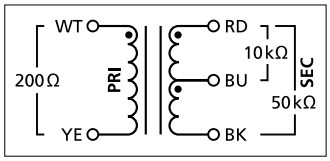


Model	NTE-1
Frequency range	20-20,000 Hz
Input signal	50 mV
Input impedance	200 Ω
Output impedance	2 kΩ
Transmission ratio	1:1
Dimensions	14 x 11 x 12 mm (w/o cable)
Weight	4 g

NTE-10/3
Order No. 21.2380



Audio transformer 1:3/1:10 for microphone signals, from NEUTRIK.
- Very compact design, e.g. also suitable for installation into connector housings
- Unshielded version with bare wire connections (70 mm)
- Wideband version
- Balance adjustment
- Galvanic isolation to avoid/eliminate hum loops
- Max. input voltage: 350 mV/380 mV (1% THD/50 Hz)



Model	NTE-10/3
Frequency range	20-20,000 Hz
Input signal	380 mV
Input impedance	200 Ω
Output impedance	10 kΩ/50 kΩ
Transmission ratio	1:3/1:10
Dimensions	14 x 11 x 12 mm (w/o cable)
Weight	4 g

MA-100/15
Order No. 23.1850

Microphone matching transformer, with Hi/Lo switch. With balanced XLR connection as well as 6.3 mm plug, unbalanced, with 15 cm microphone cable.
- Frequency range: 50-15,000 Hz
- Input impedance: 600 Ω
- Transformation ratio: 1:10/1:1 (1 kHz)



FGA-30
Order No. 21.2430

Ground isolator
- Prevents hum loops
- Galvanically isolated inputs and outputs
- 2 RCA jacks
- 3.5 mm stereo plug
- Input/output impedance: 20 kΩ
- Frequency range: 20-30,000 Hz
- THD: < 0.01%
- Transmission ratio: 1:1
- Ø 24 mm x 38 mm, 32 g
- Length including connection cable: approx. 40 cm



FGA-30M
Order No. 21.3010

Ground isolator
- Prevents hum loops
- Galvanically isolated inputs and outputs
- 2 RCA plugs
- 3.5 mm stereo plug
- Input/output impedance: 20 kΩ
- Frequency range: 20-30,000 Hz
- THD: < 0.01%
- Transmission ratio: 1:1
- Ø 24 mm x 38 mm, 32 g
- Length including connection cable: approx. 115 cm



FGA-35
Order No. 21.2420

Ground isolator, compact design, for preventing signal interference and hum loops which may occur, e.g. when connecting PC sound cards or laptops to an amplifier.
- Galvanically isolated inputs and outputs
- 2 x 3.5 mm stereo plug
- Input/output impedance: 20 kΩ
- Frequency range: 20-30,000 Hz
- THD: < 0.01%
- Transmission ratio 1:1
- Ø 24 mm x 38 mm, 32 g
- Length including connection cable: approx. 80 cm



FGA-40MF
Order No. 21.3050

Ground isolator
- Prevents hum loops
- Galvanically isolated inputs and outputs
- 2 RCA jacks
- 2 RCA plugs
- Input/output impedance: 20 kΩ
- Frequency range: 20-20,000 Hz
- THD: < 0.01%
- Transmission ratio: 1:1
- Ø 24 mm x 38 mm, 32 g
- Length including connection cable: approx. 40 cm



FGA-40HQ
Order No. 06.6380

High-end ground isolator, for preventing signal interference and hum loops which may occur, e.g. when connecting the car radio to an amplifier.
- Gold-plated RCA jacks
- Input/output impedance: 12 kΩ
- Frequency range: 20-30,000 Hz
- THD: < 0.001%
- Transmission ratio: 1:1
- 42 x 29 x 96 mm, 110 g



FGA-40
Order No. 06.4370

Ground isolator, for preventing signal interference and hum loops which may occur, e.g. when connecting the car radio to an amplifier.
- Galvanically isolated inputs and outputs
- RCA plugs and RCA jacks
- Input/output impedance: 15 kΩ
- Frequency range: 20-30,000 Hz
- THD: < 0.001%
- Transmission ratio 1:1
- Ø 35 mm x 65 mm, 65 g



MS-92/SW

Order No. 23.6160

Microphone floor stand, high-quality version. With movable boom of adjustable length and shock-absorbing folding feet. Thread: 9 mm (⅜").

- Mat black lacquered
- Adjustable boom length: 55-94 cm
- Adjustable height: 103-232 cm
- Storage dimensions: 10 x 105 cm
- Weight: 2.6 kg



MS-90/SW

Order No. 23.3780

Microphone floor stand, high-quality version. With movable boom and shock-absorbing folding feet. Thread: 9 mm (⅜").

- Mat black lacquered
- Boom length: 74 cm
- Adjustable height: 105-213 cm
- Storage dimensions: 11 x 98 cm
- Weight: 2.6 kg



MS-60/SW

Order No. 23.2930

Microphone floor stand, with movable boom of adjustable length and shock-absorbing folding feet. Thread: 16 mm (⅝") and 9 mm (⅜").

- Mat black lacquered
- Adjustable boom length: 56-95 cm
- Adjustable height: 106-242 cm
- Storage dimensions: 10 x 98 cm
- Weight: 2.9 kg



MS-50/SW

Order No. 23.2920

Microphone floor stand, with movable boom and shock-absorbing folding feet. Thread: 16 mm (⅝") and 9 mm (⅜").

- Mat black lacquered
- Boom length: 72 cm
- Adjustable height: 99-225 cm
- Storage dimensions: 10 x 93 cm
- Weight: 2.0 kg



MS-40/SW

Order No. 23.2900

Microphone floor stand, with movable boom and shock-absorbing folding feet. Thread: 16 mm (⅝") and 9 mm (⅜").

- Mat black lacquered
- Boom length: 72 cm
- Adjustable height: 95-210 cm
- Storage dimensions: 9 x 88 cm
- Weight: 2.0 kg



Full specifications can be found on our website www.monacor-international.de.

MS-20/SW
Order No. 23.2870

Microphone floor stand, with movable boom of adjustable length and shock-absorbing folding feet.
Thread: 9 mm (⅜").
- Mat black lacquered
- Adjustable boom length: 41-60 cm
- Adjustable height: 56 cm
- Storage dimensions: 10 x 56 cm
- Weight: 2.1 kg



KM-210/9
Order No. 23.6240

Microphone floor stand, with movable boom of adjustable length and shock-absorbing folding feet.
Thread: 9 mm (⅜").
- Mat black lacquered
- Adjustable boom length: 46-77 cm
- Adjustable height: 90-160 cm
- Weight: 3.2 kg



KM-259
Order No. 23.6260

Half-height microphone floor stand, with movable boom of adjustable length and shock-absorbing folding feet.
Thread: 9 mm (⅜").
- Mat black lacquered
- Adjustable boom length: 47-77 cm
- Adjustable height: 43-64 cm
- Weight: 2.05 kg



MS-15
Order No. 23.5380

Swivel arm microphone stand, for mounting onto a desk.
- Black lacquered metal version
- Supplied with screw clamp (span width: up to 55 mm) and mounting base
- Can be adjusted as desired due to 3-joint setup with tension springs and locking screws
- Thread: 16 mm (⅝")
- 5 m connection cable with XLR inline jack and XLR plug
- Length of the arm segments: 460 mm and 500 mm
- Weight: 1.6 kg



KM-26085
Order No. 23.6270

Microphone floor stand with one-hand height adjustment, mat black lacquered, with shock-absorbing black diecast base (Ø 25 cm).
- Handle with soft-touch coating
- Thread: 9 mm (⅜")
- Adjustable height: 106-179 cm
- Weight: 3.68 kg



MS-28
Order No. 23.5440

Microphone floor stand, mat black lacquered, with shock-absorbing black diecast base (Ø 25 cm). Very robust and stable version.
- Thread: 9 mm (⅜")
- Adjustable height: 88-156 cm
- Weight: 4.5 kg



MS-100/SW
Order No. 23.3100



Desktop mic. stand/floor stand
- Black lacquered
- Shock-absorbing
- Variable boom (arm length: 375 mm)
- Adjustable height: 365-550 mm
- Thread: 16 mm (⅝") and 9 mm (⅜")
- Weight: 2.5 kg

MS-210/SW
Order No. 23.3240



Desktop microphone stand
- Diecast base
- Tiltable tube
- Adjustable height: 375-590 mm
- Thread: 16 mm (⅝") and 9 mm (⅜")
- Weight: 1.9 kg

MS-22
Order No. 23.3560



Desktop microphone stand
- Diecast metal base
- Shock-absorbing
- Ø 150 mm x 230-380 mm
- Thread: 16 mm (⅝") and 9 mm (⅜")
- Weight: 1.7 kg

MS-2
Order No. 23.1000



Desktop microphone stand
- Shock-absorbing
- Ø 160 mm x 210-360 mm
- Thread: 16 mm (⅝") and 9 mm (⅜")
- Weight: 1.1 kg

MS-6
Order No. 23.6220



Desktop microphone stand
- Robust version of high stability
- Shock-absorbing
- Easy folding
- Height: 170 mm
- Thread: 9 mm (⅜")
- Weight: 300 g

MS-12
Order No. 23.3860



Desktop microphone stand
- Shock-absorbing
- Folding
- Height: 170 mm
- Thread: 16 mm (⅝") and 9 mm (⅜")
- Weight: 195 g

MS-1
Order No. 23.0990



Desktop microphone stand
- Shock-absorbing
- Ø 100 mm x 105 mm
- Thread: 16 mm (⅝") and 9 mm (⅜")
- Weight: 360 g

MS-4
Order No. 23.1020



Desktop microphone stand
- 3 extractable legs, shock-absorbing
- Thread: 16 mm (⅝")
- Weight: 90 g

KM-19740
Order No. 25.5910

K&M KÖNIG & MEYER

Holder for tablet PCs, with mounting clamp for stands.
- For accepting devices with a height of 120-220 mm
- Tension spring for easy insertion and removal
- Adjustable retaining clamp
- Can be rotated for portrait or landscape format, tiltable
- To be secured with clamp for mounting onto microphone stands (tube diameter: up to 30 mm)

Supplied w/o tablet PC and stand.





KM-19742
Order No. 25.5920

K&M KÖNIG & MEYER

Holder for tablet PCs, with threaded bolt for stands.
- For accepting devices with a height of 120-220 mm
- Tension spring for easy insertion and removal
- Adjustable retaining clamp
- Can be rotated for portrait or landscape format, tiltable
- 9 mm (⅜") threaded bolt for mounting onto microphone stands

Supplied w/o tablet PC and stand.





BAG-10MS
Order No. 25.1400



Nylon bag for stands, for transporting and storing 2 microphone stands, e.g. MS-40/... or MS-50/...
- 2 compartments due to inside partition
- Hook and loop fastener and carrying straps
- Dimensions: 100 x 16.5 x 16 cm

BAG-40MS
Order No. 25.1560



Nylon bag for stands, for transporting and storing one microphone stand.
- Pull cord for closing, with stopper
- Carrying strap
- Dimensions: Ø 10 cm x 112 cm

MH-20D
Order No. 23.3040



Microphone holder
- Particularly suitable for mounting onto drums
- 9 mm (⅜") microphone fixing
- 16 mm (⅝") adapter screw MAC-20 is available at option

MH-152
Order No. 23.3540



Microphone holder, Ø 32-42 mm, black flexible plastic.
- Particularly suitable for wireless hand-held microphones which generally feature a bigger handle
- 16 mm (⅝") standard thread

MH-202
Order No. 23.3550



Microphone holder, Ø 25-30 mm, black flexible plastic.
- General use for standard microphones
- 16 mm (⅝") standard thread

MH-99/SW
Order No. 23.0970



Spring-loaded microphone clamp
- For microphones of round and tapered design with a diameter of 19-32 mm
- 16 mm (⅝") standard thread

SMS-2
Order No. 23.1220



Stereo microphone holder
- For 2 microphones with 16 mm (⅝") inside thread
- Distance: 115 mm
- 16 mm (⅝") outside thread

MHP-400
Order No. 23.3060

MHP-200
Order No. 23.3090



Microphone holders, metallic black.
Thread: 9 mm (⅜").
MHP-200 for 2 microphones, length: 20 cm.
MHP-400 for 4 microphones, length: 40 cm.

MS-200
Order No. 23.3220



Desktop microphone base
- Diecast base
- Thread: 16 mm (⅝") and 9 mm (⅜")
- Weight: 1.5 kg

DMS-1
Order No. 23.3490



Desktop microphone base, for gooseneck microphones.
- On/off switch
- Non-slip diecast housing
- XLR output, balanced connection

DMS-5
Order No. 23.5730



Desktop microphone base, for gooseneck microphones.
- High-quality reed switch (on/off)
- Selector switch for type of microphone (electret/dynamic)
- Non-slip diecast housing
- XLR output, balanced connection
- Operation via 48 V phantom power or two 1.5 V batteries AA size (not supplied)

GN-500
Order No. 23.3120



Gooseneck, 500 mm (20").
- Inside thread: 16 mm (⅝")
- Outside thread: 9 mm (⅜")
- Including adapter

GN-300
Order No. 23.3110



Gooseneck, 300 mm (12").
- Inside thread: 16 mm (⅝")
- Outside thread: 9 mm (⅜")
- Including adapter

GN-13
Order No. 23.0740



Gooseneck, 330 mm (13").
- Chromium-plated
- Inside thread: 9 mm (⅜")
- Outside thread: 9 mm (⅜") and 16 mm (⅝")

GN-10XLR/SW
Order No. 23.5690



Gooseneck, 300 mm (12").
- 1 x XLR plug
- 1 x XLR inline jack
- 1:1 connection

GN-40XLR/SW
Order No. 23.5700



Goosenecks, 500 mm (20").
- 1 x XLR plug
- 1 x XLR inline jack

GNS-2
Order No. 23.3620



Gooseneck mounting plate
- 16 mm (⅝") thread
- For accepting microphone goosenecks, e.g. GN-500 or GN-300
- Ø 60 mm x 20 mm

GNS-1
Order No. 23.1280



Gooseneck mounting plate
- 9 mm (⅜") thread
- For accepting microphone goosenecks, e.g. GN-13
- Ø 45 mm x 30 mm

MAC-60
Order No. 23.6360



Adapter screw
- Inside thread: 9 mm (⅜")
- Outside thread: 12.7 mm (½")

MAC-70
Order No. 23.6390



Adapter screw
- Inside thread: 9 mm (⅜")
- Outside thread: M8 x 18 mm
- Suitable for speaker systems PAB-303/..., PAB-305/..., ESP-303/...

MAC-50
Order No. 23.6350



Adapter screw
- Inside thread: 9 mm (⅜")
- Outside thread: 6.3 mm (¼"), camera thread

MAC-40
Order No. 23.0220



Adapter screw
- Inside thread: 16 mm (⅝")
- Outside thread: 6.3 mm (¼"), camera thread

MAC-30
Order No. 23.3080



Adapter screw
- Inside thread: 16 mm (⅝")
- Outside thread: 9 mm (⅜")

MAC-20
Order No. 23.0790



Adapter screw
- For reducing thread from 16 mm (⅝") to 9 mm (⅜")
- Chromium-plated brass
- For microphone holders

MAC-10
Order No. 23.3070



Adapter screw
- Outside thread: 16 mm (⅝")
- Inside thread, combined: 9 mm (⅜")
- For microphone stands and goosenecks

MSS-20/SW
Order No. 25.1530



Professional music stand
- Black lacquered stand and music sheet holder
- Adjustable height: 102-153 cm
- Tiltable music sheet holder, removable, dimensions: 49 x 34 cm
- Total weight: 3.5 kg

KM-101
Order No. 25.4660



Music stand
- Black lacquered steel version
- Folding for compact storage: 37 x 4.5 x 7 cm
- Adjustable height: 65-122.5 cm
- Music sheet holder: 44 x 21.5 cm
- 2-fold telescopic tube combination
- Tripod folding feet
- Weight: 1.04 kg

GWH-100
Order No. 25.1420



Wall support for guitars, black lacquered. Short version with soft rubber support.
- Length: 174 mm
- Mounting flange: Ø 89 mm
- Hole distance: 62 mm

KM-12180
Order No. 25.5930



Desktop stand
- For accepting laptops, DJ systems and multimedia devices
- Tilting with 5 locking positions (0-33°)
- Robust steel version
- Dimensions: 300 x 300 x 350 mm
- Weight: 2.1 kg

GS-42/SW
Order No. 25.3200



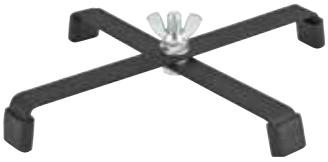
Guitar stand for electric and classical guitars
- Black lacquered folding version
- Height: 370 mm
- Weight: 1.3 kg

KS-85/SW
Order No. 25.1980



Universal stand
- Double brace steel version
- Lock-in with 7 locking positions, to be easily adjusted via lever at the upper side of the stand
- Feet can be adjusted in height to compensate floor unevenness
- Load capacity: 50 kg
- Support: 40 x 82 cm
- Max. height: 98 cm
- Tube: Ø 28 mm

PARL-1FS
Order No. 11.1880



Floor stand, for spotlights and light effect units.
- M10 screw with wing nut for installation of units
- Load capacity: 10 kg
- Turnable arms
- Rubber feet
- Own weight: 310 g

KM-18990
Order No. 25.7710



Keyboard stand
- Double brace steel version
- Height adjustable in steps of 5°, with quick-acting tension lever
- 4 slip-resistant foot caps, one of which is adjustable in height to compensate for uneven ground
- Load capacity: 50 kg
- Support: 327-789 x 350 mm
- Height: 594-946 mm
- Weight: 5.8 kg

HPH-10
Order No. 12.4340



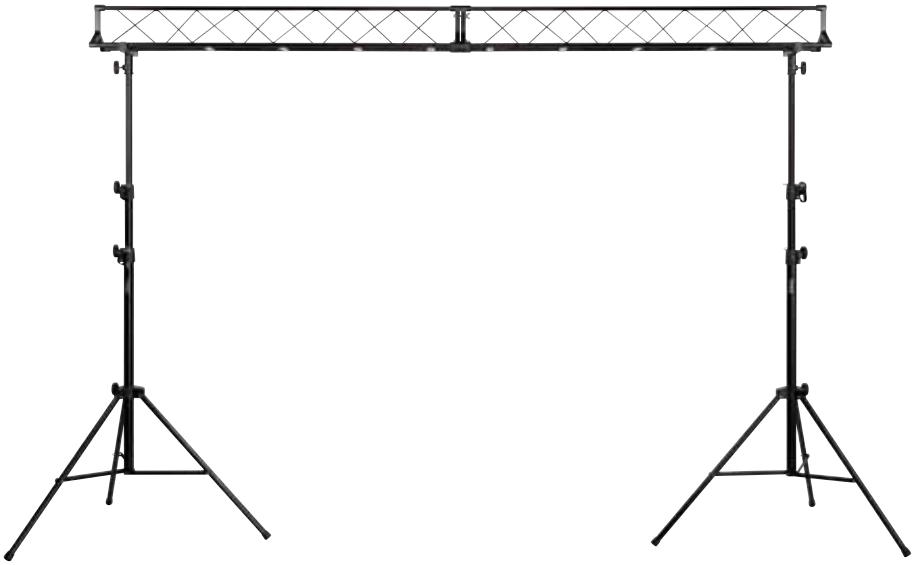
Support for headphones, for 482 mm (19") racks.
- Mounting height: 2 RS
-
- Black lacquered metal version
- Movable support bracket with soft rubber padding (length: 10 cm)

PAST-320/SW

Order No. 11.1840

Universal lighting stand system consisting of 2 x 3-point cross beam, 2 x stand and mounting accessories

- Steel tube version
- For a width of 3 m, both cross beams (150 cm each) can be screwed together
- Adjustable height: 145-305 cm
- Matching nylon bags BAG-320HS for 2 stands and BAG-320TV for 2 cross beams are available at option



Model	PAST-320/SW
Material	steel tube
Colour	black
Max. load/centr. weight concentr.	80 kg
Tube diameter	Ø 28 mm
Adjustable height	145-305 cm
Length	2 x 1.5 m
Weight	22 kg

KM-246/1

Order No. 11.3020

Telescopic lighting stand

- Crank handle with push-button for unlocking and locking screw
- Adjustable height: 186-304 cm
- Aluminium version, mat black lacquered
- 35 mm spigot with integrated M10 threaded bushing for cross beams (e.g. KM-21393)
- Max. load/centr. weight concentr.: 30 kg
- Weight: 8.7 kg
- Type approved by TÜV (Technical Inspection Authority, Germany)



PAST-225/SW

Order No. 11.8890

Universal lighting stand

- Robust steel tube version
- T-crossbar (100 cm) for accepting up to 4 lights
- Height adjustable in 6 steps (150-320 cm), with locking pin
- High stability due to magnesium joint sleeve
- Supplied with 4 fixing screw sets
- Max. load/centr. weight concentr.: 30 kg
- Weight: 6.9 kg





KM-21393

Order No. 11.2050

Cross beam, for mounting up to 10 spotlights, matching stands with 35 mm spigot, e.g. KM-246/1.

- Black lacquered steel version
- Bushing: Ø 35 mm
- Length: 145 cm
- Weight: 2.92 kg
- Supplied with 4 fixing screw sets



PAST-410/SW

Order No. 12.9260

Horizontal T-bar, for mounting up to 4 lights, matching stands with 35 mm spigot.

- Black lacquered lightweight aluminium version
- Bushing: Ø 35 mm
- Length: 126 cm, weight: 750 g
- Supplied with 4 fixing screw sets

PAST-250/SW

Order No. 12.0420

Professional speaker stand

- Lightweight aluminium version
- Air-suspended centre column
- Height adjustable in 5 steps, with locking pin
- Aluminium, black



PAST-122/SW

Order No. 11.8700

Speaker stand

- Robust steel tube version, black lacquered
- Height adjustable in 5 steps, with locking pin
- Max. load/centr. weight concentr.: 30 kg
- Adjustable height: 130-205 cm
- Storage dimension: 107 x 13 cm
- Weight: 4.1 kg



KM-214/6

Order No. 11.2070

Speaker stand

- Lightweight aluminium version, mat black lacquered
- Height adjustable in 5 steps (137-218 cm), with locking pin, additionally secured via locking screw
- 35 mm spigot
- Max. load/centr. weight concentr.: 50 kg
- Weight: 4.3 kg
- Type approved by TÜV (Technical Inspection Authority, Germany)



KM-21435

Order No. 11.2060

Speaker stand

- Robust steel version, mat black lacquered
- Height adjustable in 5 steps (132-202 cm), user-friendly locking due to push-button system, additionally secured via locking screw
- 35 mm spigot
- Max. load/centr. weight concentr.: 50 kg
- Weight: 5.5 kg
- Type approved by TÜV (Technical Inspection Authority, Germany)



PAST-120/SW

Order No. 12.1710

Speaker stand

- Robust steel tube version
- Height adjustable in 6 steps, with locking pin
- High stability due to magnesium joint sleeve
- Steel, black



PAST-164/SW

Order No. 11.1960

Speaker stand

- Extra lightweight aluminium version
- Height adjustable in 6 steps, with locking pin
- Aluminium, black



PAST-200/SW

Order No. 12.0380

Professional speaker stand

- Lightweight aluminium version
- Requires little floor space
- Air-suspended centre column
- Height adjustable in 4 steps, with locking pin
- Aluminium, black



PAST-125/SW

Order No. 11.8870

Speaker stand

- Robust steel tube version
- Requires little floor space
- Height adjustable in 3 steps, with locking pin
- High stability due to magnesium joint sleeve
- Steel, black



Model	PAST-250/SW	PAST-122/SW	PAST-120/SW	PAST-164/SW	PAST-200/SW	PAST-125/SW
Features	air-suspended centre column	-	magnesium joint sleeve	-	air-suspended centre column	-
Max. load/centr. weight concentr.	40 kg	30 kg	40 kg	30 kg	30 kg	40 kg
Tube diameter	Ø 35 mm	Ø 35 mm	Ø 35 mm	Ø 35 mm	Ø 35 mm	Ø 35 mm
Adjustable height	147-218 cm	130-205 cm	130-200 cm	140-200 cm	107-157 cm	92-137 cm
Storage dimensions	106 x 15 cm	107 x 13 cm	110 x 15 cm	103 x 14 cm	95 x 14 cm	76 x 10 cm
Weight	3.9 kg	4.1 kg	4.6 kg	1.6 kg	2.8 kg	3.2 kg
Special feature	adjustable in 5 steps	adjustable in 5 steps	adjustable in 6 steps	adjustable in 6 steps	adjustable in 4 steps	adjustable in 3 steps

KM-26735
Order No. 11.2460

Speaker stand, with flat diecast base (Ø 450 mm).
- Decorative and space-saving design
- Robust steel version, mat black lacquered
- Height adjustable in 4 steps (110-178 cm), with locking pin, additionally secured via locking screw
- 35 mm spigot
- Max. load/centr. weight concentration: 20 kg
- Weight: 10 kg



KM-21302
Order No. 11.2030

Telescopic speaker stand
- Robust steel version, mat black lacquered
- Crank handle with push-button for unlocking and locking screw
- Adjustable height: 138-218 cm
- 35 mm spigot with integrated M10 threaded bushing
- Max. load/centr. weight concentration: 40 kg
- Weight: 7.5 kg
- Type approved by TÜV (Technical Inspection Authority, Germany)



PAST-280SET
Order No. 11.1990

Speaker stand set, consisting of two aluminium stands PAST-280/SW with locking system and a nylon bag for stands. For specifications, please refer to the individual items.



PAST-164SET
Order No. 11.1970

Speaker stand set, consisting of two aluminium stands PAST-164/SW and a nylon bag for stands. For specifications, please refer to the individual items.



PAST-125SET
Order No. 11.8910

Speaker stand set, consisting of two steel stands PAST-125/SW and a nylon bag for stands. For specifications, please refer to the individual items.



PAST-122SET
Order No. 11.8710

Speaker stand set, consisting of two steel stands PAST-122/SW and a nylon bag for stands. For specifications, please refer to the individual items.



KM-21367
Order No. 11.2140

Spacer tube, with patented expanding mandrels ‚ring lock' for a secure and low-resonance connection via plastic expanding jaws at the top and M20 threaded bolt at the bottom.
- For stand inserts with standard diameter
- Mounting plate with M20 inside thread KM-24116 is available at option
- Black lacquered steel tube version
- Height adjustable in 3 steps (98-137 cm), with locking screw
- Weight: 2.56 kg



KM-21366
Order No. 11.2040

Spacer tube, with patented expanding mandrels on both sides (‚ring lock') for a secure and low-resonance connection via movable plastic splints.
- For stand inserts with standard diameter
- Black lacquered steel tube version
- Height adjustable in 4 steps (95-137 cm), with locking screw
- Weight: 2.56 kg



PAST-28/SW
Order No. 11.8900

Variable adapter piece, for stand inserts with standard diameter.
- Black lacquered steel tube version
- Height adjustable in 3 steps (83-123 cm), with locking pin
- Load capacity: 30 kg
- Weight: 1.8 kg



PAST-25/SW
Order No. 12.9870

Variable adapter piece, for stand inserts with standard diameter.
- Black lacquered steel tube version
- Height adjustable in 5 steps (86-134 cm), with locking pin
- Load capacity: 30 kg
- Weight: 1.9 kg



Full specifications can be found on our website www.monacor-international.de.

EBH-60/SW
Order No. 12.9800



Stand insert, for speaker systems.
- Black lacquered aluminium version
- Matching speaker stands of the series PAST-...
- For standard diameters (Ø 35 mm)

EBH-53
Order No. 12.7220



Stand insert, for speaker systems.
- Mat black lacquered steel version
- Supplied with 4 mounting screws
- For standard diameters (Ø 35 mm)

EBH-61
Order No. 11.0690



Stand insert, suitable for smaller speaker systems due to low mounting depth.
- Black lacquered steel version
- Supplied with 4 mounting screws
- For standard diameters (Ø 35 mm)

EBH-46
Order No. 11.1940



Stand adapter, e.g. for small light effect units.
- Suitable for stands with a diameter of 28 mm
- M8 x 15 mm threaded bolt with wing nut
- Maximum load: 7.5 kg

EBH-47
Order No. 11.1500



Stand adapter, e.g. for PA column speakers or small light effect units.
- Suitable for stands with standard diameter (Ø 35 mm)
- Black lacquered steel version
- M8 x 15 mm threaded bolt with wing nut

EBH-45
Order No. 11.8055



Stand adapter, e.g. for PA column speakers with M6 threaded bushing.
- Suitable for stands with standard diameter (Ø 35 mm)
- Black lacquered steel version
- M6 x 15 mm threaded bolt with wing nut

PAST-35/SW
Order No. 11.0100



Stand adapter, with mounting plate (210x118 mm). Black lacquered steel version. Mounting plate with 4 mounting holes and 2 elongated holes for accepting speaker systems.

PAST-40/SW
Order No. 12.9660



Stand adapter, with mounting plate (175 x 85 mm) for speaker systems or lights. Black lacquered steel version. Suitable for stands with standard diameter (Ø 35 mm). Max. load capacity: 25 kg. Total height: 90 mm. Supplied with 2 M8/16 mm tommy screws.

PAST-30/SW
Order No. 12.9650



Mounting plate, extra robust nylon and glass fibre reinforced version with 4 mounting holes and 2 elongated holes for accepting speaker systems. Suitable for speaker stands with standard diameter (Ø 35 mm).

PAST-68/SW
Order No. 11.0090



Push-on tilting adapter with mounting plate, adjustable tilting angle, to be secured with locking screw. Black lacquered steel version. Mounting plate (90 x 105 mm) with 4 mounting holes and 2 elongated holes for accepting speaker systems.

KM-19674
Order No. 11.3030



Push-on tilting adapter for speaker stands, with expanding mandrel to ensure a secure and low-resonance connection.
- Black lacquered steel version
- Adjustable tilting angle: 0-15°
- Max. load: 25 kg

PAST-65/SW
Order No. 12.1670



Push-on tilting adapter for speaker stands, angled (approx. 10°), robust steel version, black lacquered. Suitable for stands and speaker stand inserts with standard diameter (approx. 35 mm). Length: 198 mm.

LST-2
Order No. 12.6350

PAAR PAIR

Pair of universal supports, for wall mounting or ceiling suspension of lightweight speaker systems, cameras, lights, etc.
- Black lacquered
- With ball joint for moving and tilting

- Hole distance for accepting units: 55-80 mm
- Max. distance to wall: 14 cm

Model	LST-2
Max. load/centr. weight concentr.	5 kg
Mounting flange	105 x 100 mm
Mounting plate	108 x 45 mm
Length	90 mm
Weight	1 kg (pair)



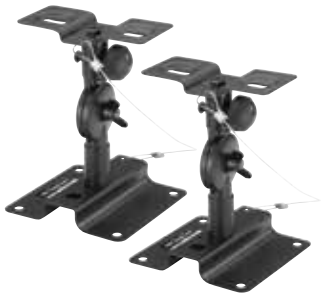
LST-6
Order No. 12.1680

PAAR PAIR

Pair of universal supports, black lacquered.
- For wall mounting or ceiling suspension of lightweight speaker systems, cameras, lights, etc.
- Tilting to be adjusted via tooth locking mechanism
- Mounting plate can be turned and be secured with a setscrew

- With safety rope
- Max. load capacity/centr. weight concentr.: 8 kg

Model	LST-6
Max. load/centr. weight concentr.	8 kg
Mounting flange	105 x 100 mm
Mounting plate	108 x 48 mm
Length	113 mm
Weight	1 kg (pair)



LST-40
Order No. 11.0860

PAAR PAIR

Pair of universal supports, robust plastic version.
- For wall mounting or ceiling suspension of speaker systems
- Pivoting and tilting
- Tooth locking mechanism, to be secured with hexagon socket screws

- Max. load capacity/centr. weight concentr.: 8 kg
- Dimensions mounting flange: 82 x 58 mm, mounting plate: 82 x 58 mm
- Weight: 280 g (pair)

Model	LST-40
Max. load/centr. weight concentr.	8 kg
Mounting flange	82 x 58 mm
Mounting plate	82 x 58 mm
Weight	280 g (pair)



KM-24352
Order No. 11.2540

K&M KÖNIG & MEYER

Adapter plate, for wall support KM-24471.
- For mounting onto speaker systems
- Black lacquered steel version



KM-24471
Order No. 11.3010

K&M KÖNIG & MEYER

Wall support for speaker systems
- Black lacquered steel version
- Pivoting (approx. 90°) and tilting (approx. 30°)
- Load capacity: 15 kg



LST-12
Order No. 12.4320

Wall support for speaker systems
- Pivoting mounting plate (approx. 17°), to be secured with supplied screws
- Maximum load: 15 kg



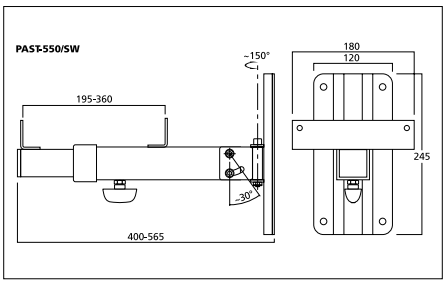
LST-10
Order No. 12.9830

Universal support
- Pivoting (±60° in 7 steps), to be secured with supplied screws
- Maximum load: 10 kg



PAST-550/SW
Order No. 11.0600

Wall bracket for standard wooden speaker systems
- Black lacquered
- Pivoting (approx. 150°) and tilting (approx. 30°)
- Adjustable support area for speaker systems (195-360 mm)
- Supplied with locking screws for speaker systems
- Load capacity: 15 kg



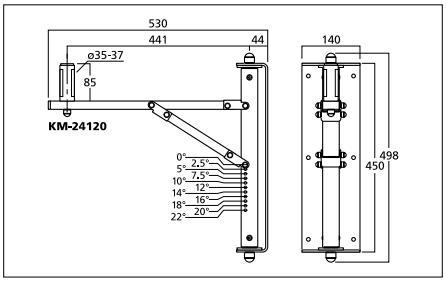


KM-24120

Order No. 11.2090

Wall bracket for PA speaker systems, with patented expanding mandrel for a secure connection.

- Black lacquered steel version
- Pivoting (approx. 180°) and tilting (approx. 22°), tilting angle adjustable in 11 steps
- Distance between mandrel and mount. plate: 420 mm
- Load capacity: 50 kg



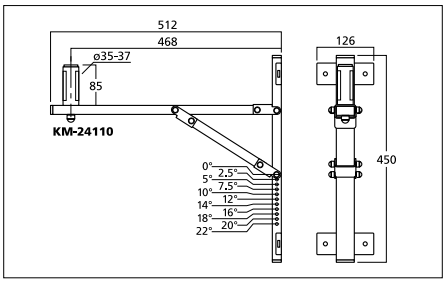


KM-24110

Order No. 11.2080

Wall bracket for PA speaker systems, with patented expanding mandrel for a secure connection.

- Black lacquered special square steel tube design
- Tiltable (approx. 22°), tilting angle adjust. in 11 steps
- Distance between mandrel and wall-mounted square profile tube: 420 mm
- Load capacity: 50 kg



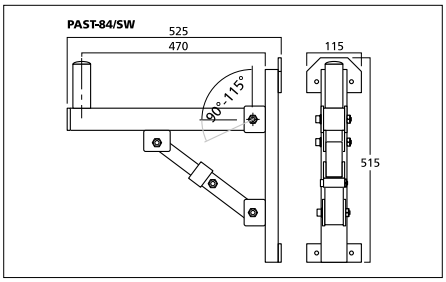


PAST-84/SW

Order No. 11.0610

Wall bracket for PA speaker systems

- Black lacquered, robust special square tube design
- Tilting angle adjustable in 4 steps (90-115°), to be secured with locking screw
- Max. distance between mandrel and wall-mounted square profile tube: 470 mm
- Load capacity: 25 kg



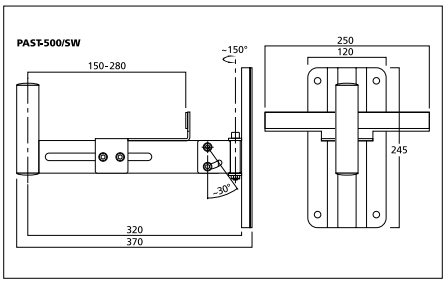


PAST-500/SW

Order No. 12.9810

Wall bracket for PA speaker systems

- Black lacquered
- Pivoting (approx. 150°) and tilting (approx. 30°), with removable slide
- Distance between mandrel and mount. plate: 320 mm
- Total length: 370 mm
- Load capacity: 30 kg



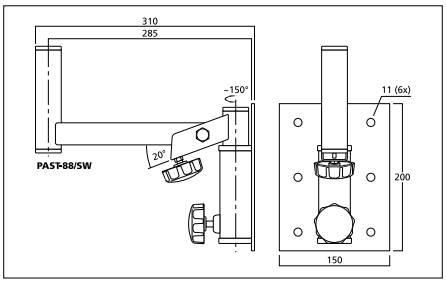


PAST-88/SW

Order No. 11.1270

Wall bracket for PA speaker systems

- Black lacquered
- Pivoting (approx. 150°) and tilting (approx. 20°), to be locked with setscrews
- Distance between mandrel and mount. plate: 285 mm
- Total length: 310 mm
- Load capacity: 20 kg



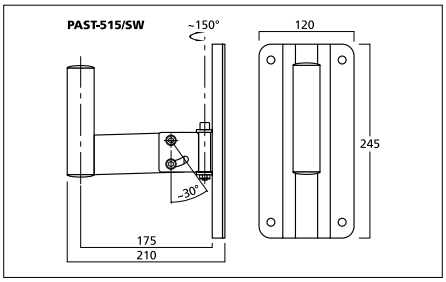


PAST-515/SW

Order No. 11.1140

Wall bracket for compact PA speaker systems

- Black lacquered
- Pivoting (approx. 150°) and tilting (approx. 30°)
- Distance between mandrel and mounting plate: 175 mm
- Total length: 210 mm
- Load capacity: 20 kg





KM-24116
Order No. 11.2150



Mounting plate, with M20 inside thread.
- Matching the spacer tube KM-21367 with M20 threaded bolts
- Diecast zinc
- Ø 105 mm
- Weight: 240 g

PAST-20/SW
Order No. 12.1920



Reducing adapter for stands
- Aluminium version, black lacquered
- For reducing the stand diameter from 35 mm to 28 mm, e.g. for accepting TV spigot PAST-22/CR
- Length: 135 mm

PAST-36
Order No. 23.5330



Replacement rubber foot, suitable for speaker stands of the PAST-200 and PAST-250 series, also universally applicable for stands with a tube diameter of 35 mm.

PAST-22/CR
Order No. 12.1930



TV spigot, with mounting plate.
- For mounting horizontal T-bars
- M12 threaded screw
- Reducing adapter PAST-20/SW is required for mounting onto a stand

WI-40SET
Order No. 23.3180



Tommy screw set, ABS plastic.
- 1 tommy screw with matching tommy nut
- As a replacement and accessory for traverses and horizontal T-bars
- M8x40 mm

WI-16M
Order No. 23.3160

WI-20M
Order No. 23.5340



Tommy screws, with M8 threaded screw.
WI-16M: length of screw: 16 mm
WI-20M: length of screw: 20 mm

WI-16F
Order No. 23.3150



Tommy nut, with M8 threaded bushing.
- Depth: 22 mm
- As a replacement or accessory for various stands

FLS-300
Order No. 12.9760



Mounting plate, for subsequent fitting of speaker systems, suitable for eyelet bolt FLS-200, incl. screws.
- For surface mounting
- Weight: 120 g

FLS-200
Order No. 12.9750



Eyelet bolt, for suspension system.
- M10 x 20 mm
- Load capacity: 100 kg max.
- Black lacquered
- Own weight: 70 g

FLS-190
Order No. 12.0450



Eyelet bolt, for suspension system.
- M8 x 15 mm
- Load capacity: 75 kg max.
- Black lacquered
- Own weight: 37 g

FLS-190L
Order No. 11.8990



Eyelet bolt, for suspension system.
- M8 x 30 mm
- Maximum load capacity: 75 kg
- Black lacquered
- Own weight: 42 g

FLS-90
Order No. 12.1660



Shackle, for suspension system.
- Load capacity: 50 kg max.
- Ø 8 mm
- Own weight: 50 g

FLS-140
Order No. 12.0430



Quick-acting closure for ropes, for suspension system.
- Load capacity: 50 kg max.
- Ø 6 mm
- Own weight: 33 g

FLS-130
Order No. 12.0950



Quick-acting closure for ropes, for suspension system.
- Load capacity: 30 kg max.
- Ø 5 mm
- Own weight: 22 g

TA-100
Order No. 12.6760



Mounting clamp, with mounting screw M12 x 30 mm.
- Robust diecast aluminium version with movable joints
- For tube diameter: 50 mm
- Max. load capacity: 100 kg

TA-110
Order No. 11.1950



Mounting clamp, with mounting screw M6 x 35 mm.
- Robust diecast aluminium version with movable joints
- For tube diameter: 32 mm
- Max. load capacity: 50 kg

TA-55
Order No. 12.7930



C-hook, with mounting screw M10 x 30 mm.
- Solid, angled metal version with locking screw
- For tube diameter: 50 mm
- Max. load capacity: 50 kg

TA-10
Order No. 12.7910



Mounting hook, with mounting screw M8 x 30 mm and wing nut.
- For tube diameter: 35-50 mm, mounting hole
- Hook: 42 mm
- Max. load capacity: 15 kg

TA-50P
Order No. 11.1820



C-hook, with mounting screw M10 x 30 mm.
- Solid metal version with locking screw and cover plate as scratch protection
- For tube diameter: 50 mm
- Max. load capacity: 50 kg

PAST-1
Order No. 12.8560



C-hook, with mounting screw M8x30 mm.
- For tube diameter: 25-50 mm, mounting hole
- Hook: 38 mm
- Max. load capacity: 20 kg

TAR-140DIN
Order No. 11.1930



Safety rope, for light effect units in suspended installation.
- Length: 140 cm, diameter: 4 mm
- Quick-acting closure for ropes (acc. to DIN EN 12385-4:2008-06, DIN EN 56927:2007-04)
- For units with a weight of up to 20 kg

TAR-603SAVE
Order No. 11.1490



Safety rope, for light effect units in suspended mounting.
- Certified according to BGV-C1
- Length: 60 cm, diameter: 3 mm
- Quick-acting closure for ropes (acc. to DIN 56926)
- For units with a weight of up to 20 kg

TAR-1004SAVE
Order No. 11.1470



Safety rope, for light effect units in suspended installation.
- Certified according to BGV-C1
- Length: 100 cm, diameter: 4 mm
- Quick-acting closure for ropes (acc. to DIN 56926)
- For units with a weight of up to 40 kg

TAR-603BGV
Order No. 11.1480



Safety rope, for light effect units in suspended installation.
- Certified according to BGV-C1
- Length: 60 cm, diameter: 3 mm
- Quick-acting closure for ropes (acc. to DIN 56926)
- For units with a weight of up to 5 kg

TAR-90DIN
Order No. 11.1890



Safety rope, for light effect units in suspended installation.
- Length: 90 cm, diameter: 3 mm
- Quick-acting closure for ropes (acc. to DIN EN 12385-4:2008-06, DIN EN 56927:2007-04)
- For units with a weight of up to 15 kg

TAR-50DIN
Order No. 11.1920



Safety rope, for light effect units in suspended installation.
- Length: 50 cm, diameter: 2 mm
- Quick-acting closure for ropes (acc. to DIN EN 12385-4:2008-06, DIN EN 56927:2007-04)
- For units with a weight of up to 10 kg

TXS-10BELT
Order No. 23.4110

Belt bag, blue, suitable for wireless pocket transmitters from MONACOR, IMG STAGELINE and JTS.
- Ideally suited for mobile applications (e.g. sports activities)
- Flexible, adjustable strap
- Bag with hook and loop fastener



TXS-10BELT/SW
Order No. 23.5460

Belt bag, black, suitable for wireless pocket transmitters from MONACOR, IMG STAGELINE and JTS.
- Ideally suited for mobile applications (e.g. sports activities)
- Flexible, adjustable strap
- Bag with hook and loop fastener



BAG-360
Order No. 23.0430

Universal bag, for transporting and storing, e.g. technical documents (A4), microphones, cables and adapters.
- Zip fastener
- Outer material: 1680D nylon, black
- Inner lining: polyurethane, black
- Inside dimensions: 320 x 280 mm
- Outside dimensions: 360 x 290 mm



MT-40
Order No. 23.3870

Nylon bag for microphones, with soft inner lining and solid zip fastener. For storing and transporting wireless hand-held microphones or standard microphones with connection cable. Dimensions: 30 x 16 cm.



BAG-280
Order No. 23.0420

Universal bag, for transporting and storing, e.g. technical documents, microphones, cables and adapters.
- Zip fastener
- Outer material: 1680D nylon, black
- Inner lining: polyurethane, black
- Inside dimensions: 240 x 170 mm
- Outside dimensions: 280 x 180 mm



MT-30
Order No. 23.3310

Nylon bag for microphones, with soft inner lining and solid zip fastener. For storing and transporting microphones. Dimensions: 22 x 14 cm



BAG-230
Order No. 23.0410

Universal bag, for transporting and storing, e.g. technical documents, microphones, cables and adapters.
- Zip fastener
- Outer material: 1680D nylon, black
- Inner lining: polyurethane, black
- Inside dimensions: 190 x 120 mm
- Outside dimensions: 230 x 130 mm



DMT-4CC
Order No. 07.0640

Soft carrying bag, for digital and analogue multimeters.
- Soft imitation leather
- With wrist strap and inner lining
- Inside dimensions: 110 x 190 x 50 mm



BAG-40MS
Order No. 25.1560

Nylon bag for stands, for transporting and storing one microphone stand.
- Pull cord for closing, with stopper
- Carrying strap
- Dimensions: Ø 10 cm x 112 cm



BAG-10MS
Order No. 25.1400

Nylon bag for stands, for transporting and storing 2 microphone stands, e.g. MS-40/... or MS-50/...
- 2 compartments due to inside partition
- Hook and loop fastener and carrying straps
- Dimensions: 100 x 16.5 x 16 cm



KM-21311
Order No. 25.0090

Nylon bag for stands, for 2 stands, e.g. KM-21435 or KM-214/6.
- Tear-resistant nylon fabric with 2 inside compartments
- 2 parallel zip-fasteners
- Dimensions: 120 x 25 x 25 cm



BAG-20LS
Order No. 25.1410

Nylon bag for stands, for transporting and storing 2 speaker stands, e.g. PAST-200/... and PAST-250/...
- Zip fastener and carrying straps
- Dimensions: 100 x 25 x 16.5 cm



BAG-30HS
Order No. 25.1540

Nylon bag for stands
- For transporting and storing lighting stands
- Dimensions: 155 x 20 x 25 cm



BAG-320HS
Order No. 25.3290

Nylon bag for stands of PAST-320/SW, for transporting and storing 2 stands.
- Pull cord for closing, with stopper
- Carrying strap, adjustable length
- Dimensions: 126 x 32 cm



BAG-320TV
Order No. 25.3300

Nylon bag for cross beams of PAST-320/SW, for transporting and storing 2 cross beams.
- Pull cord for closing, with stopper
- Carrying strap, adjustable length
- Dimensions: 150 x 45 cm



PAB-115BAG
Order No. 25.1590

PAB-112BAG
Order No. 25.1580

PAB-110BAG
Order No. 25.0630

PAB-108BAG
Order No. 25.0620

Protective bags for speaker systems
PAB-115BAG: for PA speaker systems PAB-115MK2, PAK-115MK2
PAB-112BAG: for PA speaker systems PAB-112MK2, PAK-112MK2
PAB-110BAG: for PA speaker systems PAB-110MK2, PAK-110MK2
PAB-108BAG: for PA speaker systems PAB-108MK2, PAK-108MK2
- Robust, black synthetic cloth on the outside with soft inner lining
- Openings for stand and handle; cover straps to be closed with hook and loop fastener or zip fastener
- Additional cable bag



DJC-10/SW

Order No. 25.1810

CD case

- Foam-padded interior, with 4 compartments for approx. 100 CDs
- Aluminium profile frames with rounded edges
- Removable cover
- Lockable, supplied with 2 keys
- Padded carrying handle

Model	DJC-10/SW
Size	approx. 100 CDs
Colour	black
Inside dimensions	545 x 145 x 265 mm
Usable depth	265 mm
Outside dimensions	570 x 180 x 325 mm
Weight	3.7 kg



DJC-8/SW

Order No. 25.1820

CD case

- Foam-padded interior, with 3 compartments for approx. 80 CDs
- Aluminium profile frames with rounded edges
- Removable cover
- Lockable, supplied with 2 keys
- Padded carrying handle

Model	DJC-8/SW
Size	approx. 80 CDs
Colour	black
Inside dimensions	405 x 145 x 265 mm
Usable depth	265 mm
Outside dimensions	430 x 180 x 325 mm
Weight	2.94 kg



MC-20/SW

Order No. 24.8330

MiniDisc case

- Foam-padded interior
- 3 compartments for MDs, several arrangements of both partitions possible, for general applications
- Aluminium profile frames
- Lockable, supplied with 2 keys
- Robust carrying handle

Model	MC-20/SW
Size	approx. 80 MDs
Colour	black
Inside dimensions	282 x 110 x 215 mm
Outside dimensions	300 x 130 x 260 mm
Weight	1.4 kg



MC-1/SW

Order No. 25.5120

Microphone carrying case, for one hand-held microphone.

- Additional storage facility for microphone cables and accessories
- Plastic version, padded interior can individually be adapted
- Carrying handle

Model	MC-1/SW
Colour	black
Outside dimensions	290 x 80 x 225 mm
Weight	390 g



Full specifications can be found on our website www.monacor-international.de.

MC-10/SW

Order No. 24.8300

Universal case

- Foam-padded interior
- 3 partitions, several combinations possible
- Aluminium profile frames
- Lockable, supplied with 2 keys
- Supplied with shoulder strap
- Robust carrying handle

Model	MC-10/SW
Colour	black
Inside dimensions	475 x 130 x 330 mm
Usable depth	330 mm
Outside dimensions	500 x 165 x 370 mm
Weight	2.8 kg



MC-70/SW

Order No. 24.9910

Universal case

- Foam-padded interior
- Aluminium profile frames
- Lockable, supplied with 2 keys
- Robust carrying handle

Model	MC-70/SW
Colour	black
Inside dimensions	365 x 80 x 245 mm
Usable depth	245 mm
Outside dimensions	380 x 102 x 280 mm
Weight	1.4 kg



MC-50/SW

Order No. 24.9890

Universal mini case, with aluminium sides.

- Textile-padded interior
- Elasticated holders on inner side of the cover
- Aluminium profile frames
- Robust carrying handle

Model	MC-50/SW
Colour	silver
Inside dimensions	242 x 55 x 159 mm
Usable depth	159 mm
Outside dimensions	260 x 68 x 195 mm
Weight	600 g



MR-10LIGHT

Order No. 25.0260

Flight case with castors, for transporting light effect units.

- 2 partitions and a storage tray, several positions possible
- Multilayer multiplex wood, black, plastic-laminated
- Aluminium profile edges
- Chromium-plated ball protection corners
- Butterfly locks, folding recessed handles
- 4 castors
- Stackable due to indentations for the castors in the cover of the flight case

- Inside dimensions: 1,175 x 580 x 540 mm
- Outside dimensions: 1,220 x 765 x 625 mm
- Weight: 54 kg



MR-42LIGHT

Order No. 25.3060

Flight case with castors, for transporting light effect units.

- Multilayer multiplex wood, black, plastic-laminated
- Aluminium profile edges
- Chromium-plated ball protection corners, reinforcing angles
- Butterfly locks, folding recessed handles
- 4 castors (two of which are provided with a brake)
- Carpet lining
- 2 inside partitions, several positions possible

- Inside dimensions: 582 x 592 x 554 mm
- Outside dimensions: 620 x 770 x 620 mm
- Weight: 31.4 kg



MR-6LIGHT

Order No. 25.0820

Universal flight case with castors, for transporting e.g. stands, cables and accessories for stage applications, DJs or lighting equipment.

- Due to special design, flight case can easily be pulled like a trolley
- Multilayer multiplex wood, black, plastic-laminated
- Aluminium profile edges
- Chromium-plated ball protection corners
- Butterfly locks, folding recessed handles
- 4 castors
- Foam-padded interior

- Inside dimensions: 980 x 345 x 345 mm
- Outside dimensions: 1,050 x 440 x 410 mm
- Weight: 20 kg



Full specifications can be found on our website www.monacor-international.de.

MR-3LIGHT
Order No. 24.4420

MR-2LIGHT
Order No. 24.4410

Universal flight cases, for transporting e.g. light effect units, cables, accessories.
- Multilayer multiplex wood, black, plastic-laminated
- Aluminium profile edges
- Chromium-plated ball protection corners, reinforcing angles
- Butterfly locks, folding recessed handles
- Foam-padded interior

Model	MR-3LIGHT	MR-2LIGHT
Inside dimensions	525 x 315 x 420 mm	450 x 220 x 350 mm
Outside dimensions	570 x 355 x 470 mm	500 x 270 x 400 mm
Weight	8.7 kg	6.8 kg



MR-108T
Order No. 24.3270

482 mm 19"

Hard-sided flight case,
8 RS, for 482 mm (19") devices.
- Units can be inserted from both sides (double door system)
- Scratch-proof and shock-proof, black ABS housing
- Fully closed 3 mm aluminium profile frames
- High stability despite low weight
- Stackable
- Robust carrying handles and additional telescopic handle
- Butterfly locks
- Castors
- Mounting depth behind front panel: 480 mm
- Supplied with cage nuts and recessed head screws
- Inside dimensions: 485 x 455 x 350 mm
- Outside dimensions: 560 x 540 x 430 mm
- Weight: 9 kg



Hard-Sided Flight Cases

482 mm 19"

For 482 mm (19") devices.
- Units can be inserted from both sides (double door system)
- Scratch-proof and shock-proof black ABS housing
- Fully closed 3 mm aluminium profile frames
- High stability despite low weight
- Stackable
- Robust carrying handles
- Butterfly locks
- Mounting depth behind the front plate: 480 mm
- Supplied with mounting screws

Supplied w/o devices.



Model	Order No.	Rack spaces, RS	Inside dimensions	Outside dimensions	Weight	Position
MR-108	24.7860	8	444 x 375 x 530 mm	540 x 430 x 560 mm	7.38 kg	A
MR-106	24.7850	6	444 x 285 x 530 mm	540 x 340 x 560 mm	6.38 kg	B
MR-104	24.7840	4	444 x 195 x 530 mm	540 x 250 x 560 mm	5.46 kg	C
MR-102	24.7830	2	444 x 110 x 530 mm	540 x 160 x 560 mm	4.14 kg	D

MR-162DESK

Order No. 25.2180



Professional case with castors for 482 mm (19") devices, with 2 integrated desks.
Functional design allows safe transport and quick assembly and disassembly.

- 9 RS mounting facility for 482 mm top-operated devices (mixers or similar), upward tilting rack rails with click-stop hinges
- 16 RS mounting zone for units which require horizontal mounting
- Suitable for units with a maximum depth of 480 mm
- Front part and rear part with integrated folding feet (desk feature), effective surface: approx. 920 x 525 mm each, height: approx. 760 mm each
- 9 mm multiplex wood, moisture repellent, black, plastic-laminated (slightly structured)
- Robust bottom plate, 13 mm thick
- Aluminium profile edges
- Chromium-plated ball protection corners and closing angles
- 100 mm castors (two of which are provided with locking brakes)
- Butterfly locks
- 2 folding recessed handles at each side ensure safe and convenient handling
- Inside dimensions: 500 x 715 x 520 mm
- Outside dimensions: 540 x 1,075 x 725 mm
- Weight: 45 kg
- Supplied with mounting accessories:
  – 70 cage nuts
  – 70 recessed head screws M6 x 15 mm
  – 70 plastic washers



MR-106PC

Order No. 25.0190



Flight case,
with integrated laptop rack.

- 6 RS: Vertical profile rails for inserting 482 mm (19") devices. Suitable for devices with a maximum depth of 480 mm
- 8 RS: Horizontal and slightly upward tilted mounting rails for 482 mm (19") top-operated devices, e.g. mixers
- Sliding top part with non-slip surface for laptops
- 9 mm multilayer multiplex wood, black, plastic-laminated
- Aluminium profile edges
- Chromium-plated ball protection corners, reinforcing angles and connectors
- Butterfly locks and folding recessed handles
- Rear service cover with cable outlet
- Inside dimensions: 515 x 390 x 590 mm
- Outside dimensions: 570 x 445 x 630 mm
- Weight: 20 kg
- Supplied with 32 cage nuts

Supplied w/o devices.

MR-919DJ

Order No. 24.4710



Flight case, 9 RS, for 482 mm (19") top-operated devices, e.g. mixers. Mounting rails with a fixed inclination angle of approx. 13°, thus the mounting depth varies between 100 and 185 mm.

- Multilayer multiplex wood, black, plastic-laminated
- Aluminium profile edges
- Chromium-plated ball protection corners, reinforcing angles
- Butterfly locks and folding recessed handles
- Particularly suitable for variable installation of devices using castle nuts M6 x 7 mm; aluminium rails with non-slipping feature (guiding rubber prevents slipping of the castle nuts, thus easy mounting)
- Dimensions: 527 x 230 x 485 mm
- Weight: 8.2 kg
- Supplied with 4 castle nuts

Supplied w/o devices.

MR-246

Order No. 25.0520

Professional DJ flight case,
with a low depth, for 482 mm (19") devices.
Consisting of 3 sections:
– Section 1 (top), e.g. for control panels of dual CD players
– Section 2 (middle), e.g. for mixers
– Section 3 (bottom), e.g. for CD player mechanisms or amplifiers

Features
- 10 mm multiplex wood, black, plastic-laminated
- Aluminium profile edges, reinforcing angles
- Chromium-plated ball protection corners (stackable)
- Folding recessed handles and butterfly locks
- Aluminium rails with M6 cage nuts for variable installation of devices, no slipping of the cage nuts, thus easy mounting
- Removable cover (not shown)
- Service door at the rear side with cable inlet
- Max. inside depth behind the front panel: 330 mm
- Supplied with cage nuts

Sample configuration
- Section 1 (2 RS), e.g. with control panel of CD-292USB
- Section 2 (4 RS), e.g. with mixer MPX-44/SW
- Section 3 (6 RS), e.g. with player mechanism of CD-292USB, amplifier STA-102, STA-500 or STA-700, MP3 player DPR-110 and rack panel RCP-8701U

Should the existing rack spaces not be required, we recommend to use rack panels, e.g. RCP-8701U (1 RS) or RCP-8702U (2 RS).

Supplied w/o devices.



Model	MR-246
Size	482 mm (19")
Colour	black
Mounting accessories	20 cage nuts
Outside dimensions	545 x 545 x 490 mm
Weight	16.5 kg

Series of Flight Cases

With vertical profile rails for inserting 482 mm (19") devices. Suitable for units with a maximum depth of 480 mm.
Horizontal and slightly upward tilted mounting rails for 482 mm (19") top-operated devices, e.g. mixers.
- Multilayer multiplex wood, black, plastic-laminated
- Aluminium profile edges
- Chromium-plated ball protection corners, reinforcing angles
- Each case is equipped with butterfly locks and folding recessed handles
- The add-on DJ case MR-112DJ is supplied with 4 castors (two of which are provided with a brake)
- Supplied with cage nuts

Supplied w/o devices.



Model	Order No.	Rack spaces, RS	Mounting accessories	Inside dimensions	Outside dimensions	Weight	Position
MR-112DJ	24.6760	12 vert., 10 hor.	44 cage nuts	520 x 660 x 590 mm	560 x 850 x 640 mm	30.1 kg	A
MR-106DJ	24.5980	6 vert., 10 hor.	32 cage nuts	520 x 390 x 590 mm	550 x 440 x 640 mm	16.82 kg	B
MR-104DJ	24.3450	4 vert., 10 hor.	28 cage nuts	520 x 310 x 590 mm	560 x 350 x 640 mm	14.96 kg	C

MR-405TXS

Order No. 24.4460

Flight case, 5 RS, particularly suitable for wireless mic. systems, e.g. 4 x receiver unit TXS-871/TXS-872/TXS-875 and 1 x antenna splitter TXS-870DS. Also suitable for other wireless microphone systems and 482 mm devices with a max. depth of 255 mm behind the front plate.
- Storage compartments with holding straps for transmitter and accessories
- Multilayer multiplex wood, black, plastic-laminated, aluminium profile edges, butterfly locks, folding recessed handles
- Supplied with mounting screws
- Dimensions: 540 x 265 x 460 mm
- Weight: 9.3 kg



Flight Cases with Castors

482 mm 19"

With vertical profile rails for installing 482 mm (19") devices. In addition, there are upward tilting mounting rails (10 RS) for 482 mm (19") top-operated devices (e.g. mixers). Suitable for devices with a maximum depth of 480 mm.

- Multilayer multiplex wood, black, plastic-laminated
- Aluminium profile edges
- Chromium-plated ball protection corners, reinforcing angles and connectors
- Each case is equipped with butterfly locks and folding recessed handles
- There is a difference of 2 RS only between the models MR-182 and MR-162 which allows for an optimum working height, depending on the user's height
- Supplied with cage nuts

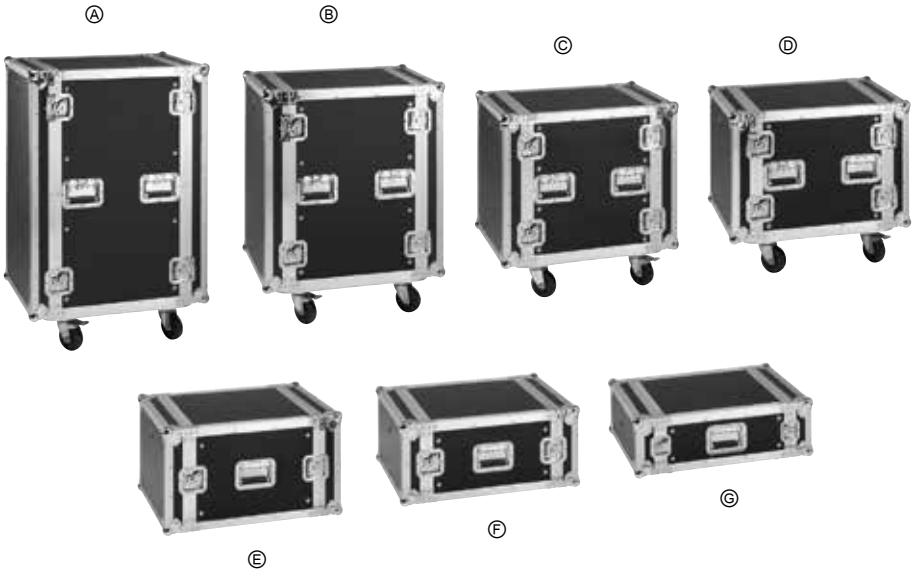


Model	Order No.	Rack spaces, RS	Mounting accessories	Inside dimensions	Outside dimensions	Weight	Position
MR-182	24.4990	18	56 cage nuts	500 x 1,080 x 680 mm	550 x 1,180 x 720 mm	42.62 kg	A
MR-162	24.4980	16	52 cage nuts	500 x 910 x 680 mm	550 x 1,080 x 720 mm	41.08 kg	B
MR-122	24.4970	12	44 cage nuts	500 x 740 x 680 mm	550 x 910 x 720 mm	35.12 kg	C

Series of Flight Cases

482 mm 19"

- Multilayer multiplex wood, black, plastic-laminated
- Aluminium profile edges
- Chromium-plated ball protection corners, reinforcing angles and connectors
- Suitable for devices with a depth of approx. 480 mm and 20 RS max. Each case is equipped with butterfly locks and folding recessed handles. The cases from 10 RS to 20 RS are supplied with 4 castors, two of which are provided with brakes
- Supplied with cage nuts
- Max. inside depth behind the front panel: 480 mm, inside depth before the front panel: 90 mm



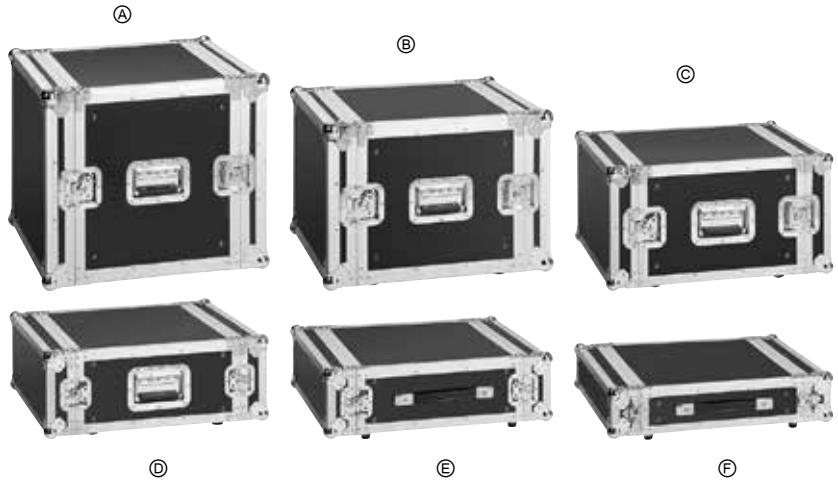
Model	Order No.	Rack spaces, RS	Mounting accessories	Inside dimensions	Outside dimensions	Weight	Position
MR-720	24.5060	20	40 cage nuts	500 x 900 x 680 mm	550 x 1,080 x 720 mm	36.72 kg	A
MR-716	24.5050	16	32 cage nuts	500 x 725 x 680 mm	550 x 910 x 720 mm	32.47 kg	B
MR-712	24.5040	12	24 cage nuts	500 x 545 x 680 mm	550 x 730 x 720 mm	27.06 kg	C
MR-710	24.5030	10	20 cage nuts	500 x 455 x 680 mm	550 x 640 x 720 mm	25.64 kg	D
MR-708	24.5020	8	16 cage nuts	500 x 370 x 680 mm	550 x 420 x 720 mm	15.7 kg	E
MR-706	24.5010	6	12 cage nuts	500 x 280 x 680 mm	550 x 330 x 720 mm	13.98 kg	F
MR-704	24.5000	4	8 cage nuts	500 x 190 x 680 mm	550 x 240 x 720 mm	11.98 kg	G

Series of Flight Cases

482 mm 19"

- Multilayer multiplex wood, black, plastic-laminated
- Aluminium profile edges
- Chromium-plated ball protection corners, reinforcing angles and connectors
- Aluminium rails with M6 cage nuts for variable installation of devices, no slipping of the cage nuts, thus easy mounting

Standard series:
For units with a depth of approx. 420 mm and 10 RS max., 5 layers of multiplex, 6 mm thick. Equipped with butterfly locks and folding recessed handles, MR-402 and MR-403 with strap handles.
Max. inside depth behind the front panel: 440 mm.
Max. inside depth before the front panel: 55 mm.



Model	Order No.	Rack spaces, RS	Mounting accessories	Inside dimensions	Outside dimensions	Weight	Position
MR-410	24.2270	10	24 cage nuts	485 x 450 x 530 mm	545 x 510 x 585 mm	17.3 kg	A
MR-408	24.2260	8	24 cage nuts	485 x 365 x 530 mm	545 x 420 x 585 mm	15.54 kg	B
MR-406	24.2250	6	24 cage nuts	485 x 270 x 530 mm	535 x 320 x 580 mm	9.72 kg	C
MR-404	24.2240	4	16 cage nuts	485 x 185 x 530 mm	535 x 225 x 580 mm	8.04 kg	D
MR-403	24.2230	3	12 cage nuts	485 x 140 x 530 mm	555 x 185 x 580 mm	6.68 kg	E
MR-402	24.2220	2	8 cage nuts	485 x 92 x 530 mm	555 x 140 x 580 mm	5.64 kg	F

MR-1918/SW

Order No. 24.7450

482 mm 19"

Table rack, with a total of 8 RS.

- Vertical design for accepting 482 mm (19") devices which require horizontal mounting, e.g. CD players
- Black lacquered

Model	MR-1918/SW
Rack spaces, RS	8
Outside dimensions	550 x 475 x 390 mm
Max. load capacity	20 kg
Weight	2.1 kg



MZF-8645

Order No. 12.3500

Set of cage nuts and screws, for mounting 482 mm (19") inserts into racks and flight cases. The set consists of:
4 x cage nut M6
4 x recessed head screw M6 x 15 mm
4 x plastic washer



MZF-8646

Order No. 12.6730

Mounting set, for mounting 482 mm (19") devices into racks and flight cases in any required height. The set consists of:
12 x recessed head screw M6 x 12 mm
12 x M6 nut
12 x plastic washer



MZF-8648

Order No. 12.9410

Set of cage nuts and screws,
For mounting 482 mm (19") inserts into racks and flight cases. The set consists of:
4 x cage nut M6
4 x recessed head screw M6 x 15 mm
4 x plastic washer



RACK-20/SW
Order No. 24.8860

RACK-12/SW
Order No. 24.8850

Professional studio racks for 482 mm (19") devices
- Sheet steel
- Mat black textured coating
- Folding carrying handles
- 4 castors
- Supplied with 50 (RACK-20/SW) or 30 (RACK-12/SW) sets of mounting screws

RACK-20/SW: 20 RS
RACK-12/SW: 12 RS

Model	RACK-20/SW	RACK-12/SW
Size	482 mm (19")	482 mm (19")
Rack spaces, RS	20	20
Mounting accessories	50 sets of mounting screws	30 sets of mounting screws
Outside dimensions	548 x 1,055 x 435 mm	548 x 700 x 435 mm
Max. load capacity	80 kg	65 kg
Weight	18 kg	12 kg



RACK-20GT/SW
Order No. 24.1100

RACK-12GT/SW
Order No. 24.1090

Professional studio racks for 482 mm (19") devices
- Lockable front door of tinted, shock-proof acrylic glass
- Sheet steel
- Mat black textured coating
- Folding carrying handles
- 4 castors
- Supplied with 50 (RACK-20GT/SW) or 30 (RACK-12GT/SW) sets of mounting screws

RACK-20GT/SW: 20 RS
RACK-12GT/SW: 12 RS

Model	RACK-20GT/SW	RACK-12GT/SW
Rack spaces, RS	20	12
Mounting accessories	50 sets of mounting screws	30 sets of mounting screws
Outside dimensions	675 x 1,150 x 500 mm	675 x 725 x 500 mm
Max. load capacity	80 kg	65 kg
Weight	24 kg	20 kg



RACK-12F
Order No. 25.4440

Studio rack for 482 mm (19") devices, 12 RS
- Sheet steel version
- Black powder coating
- Max. mounting depth behind the front plate: 365 mm
- 4 castors (two of which are provided with a brake)
- Supplied with mounting kit

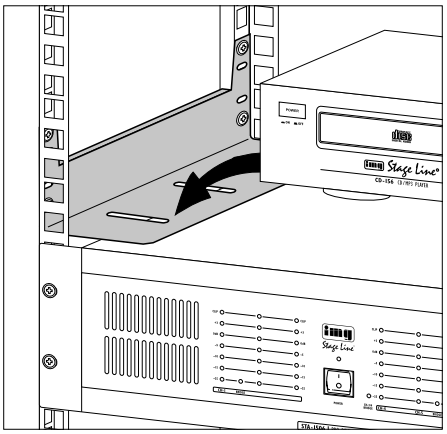
Model	RACK-12F
Rack spaces, RS	12
Outside dimensions	560 x 655 x 460 mm
Max. load capacity	40 kg
Weight	18.5 kg



RTW-400
Order No. 25.4200

Pair of mounting rails, for rack installation of devices incapable of being installed into a rack (e.g. hi-fi components), suitable for RACK-42NV, RACK-33NV, RACK-21NV or RACK-15NV.
- Black powder-coated steel version
- Mounting depth: 342 mm
- Mounting height: 88 mm (2 RS)
- Support area: 80 mm
- Max. load: 50 kg

Supplied w/o devices.





RACK-42NV
Order No. 25.7650

RACK-33NV
Order No. 25.7640

RACK-21NV
Order No. 25.7630

RACK-15NV
Order No. 25.7620

Equipment racks for 482 mm (19") devices
- Sheet steel version
- Light grey powder coating (RAL 7035)
- Front door with safety glass and swivel handle lock
- Hinges can easily be changed for door to be opened to the left or to the right
- Side walls and rear wall can be removed and locked
- Supplied with earthing set, 4 levelling feet and 28 sets of mounting screws

RACK-15NV: 15 RS
RACK-21NV: 21 RS
RACK-33NV: 33 RS
RACK-42NV: 42 RS

Image similar.



Model	RACK-42NV	RACK-33NV	RACK-21NV	RACK-15NV
Rack spaces, RS	42	33	21	15
Outside dimensions	600 x 1,978 x 600 mm	600 x 1,578 x 600 mm	600 x 1,045 x 600 mm	600 x 778 x 600 mm
Max. load capacity	500 kg	300 kg	300 kg	300 kg
Weight	95 kg	65 kg	49 kg	43 kg

RACK-12W
Order No. 24.4520

RACK-6W
Order No. 24.4540

Wall-mounted housings for 482 mm (19") devices
- Sheet steel version
- Light grey powder coating (RAL 7035)
- Lockable front door with safety glass
- Door can be opened either to the left or to the right
- Max. mounting depth behind the front plate: 370 mm
- Supplied with earthing set and 16 sets of mounting screws

RACK-12W: 12 RS
RACK-6W: 6 RS



Model	RACK-12W	RACK-6W
Rack spaces, RS	12	6
Outside dimensions	600 x 655 x 400 mm	600 x 388 x 400 mm
Max. load capacity	40 kg	40 kg
Weight	24 kg	17 kg

RACK-12WP
Order No. 24.4530

RACK-6WP
Order No. 24.4550

Wall-mounted housings for 482 mm (19") devices, with movable middle part of the housing.
- Sheet steel version
- Light grey powder coating (RAL 7035)
- Lockable front door with safety glass
- Door can be opened either to the left or to the right
- Max. mounting depth behind the front plate: 470 mm
- Supplied with earthing set and 16 sets of mounting screws

RACK-12WP: 12 RS
RACK-6WP: 6 RS



Model	RACK-12WP	RACK-6WP
Rack spaces, RS	12	6
Outside dimensions	600 x 655 x 500 mm	600 x 388 x 500 mm
Max. load capacity	40 kg	40 kg
Weight	29 kg	21 kg

RCB-2HE/SW

Order No. 12.9090

Pull-out mounting plate, for rack installation, 2 RS.

- Solid steel version
- Ball-bearing complete pull-out, max. load: up to 20 kg
- Mat black textured coating
- Inside dimensions: 437 x 73 x 365 mm
- Outside dimensions: 482 x 89 x 373 mm



RH-210

Order No. 12.0350

482 mm (19") mounting plate, 2 RS

- Suitable for rack installation of devices incapable of being installed into a rack (e.g. hi-fi components)
- Version with various mounting holes
- Black lacquered steel version
- Support area: 375 x 440 mm
- Maximum load: 20 kg



RH-200

Order No. 12.0320

482 mm (19") mounting plate, 2 RS

- Suitable for rack installation of devices incapable of being installed into a rack (e.g. hi-fi components)
- Black lacquered steel version
- Support area: 375 x 440 mm
- Maximum load: 20 kg



RH-110

Order No. 12.0310

482 mm (19") mounting plate, 1 RS

- Suitable for rack installation of devices incapable of being installed into a rack (e.g. hi-fi components)
- Version with various mounting holes
- Black lacquered steel version
- Support area: 250 x 433 mm
- Maximum load: 8 kg



RH-100

Order No. 12.0300

482 mm (19") mounting plate, 1 RS

- Suitable for rack installation of devices incapable of being installed into a rack (e.g. hi-fi components)
- Black lacquered steel version
- Support area: 250 x 436 mm
- Maximum load: 8 kg



RCB-870

Order No. 24.2830

482 mm (19", 1 RS) device holder

- For installation of two multifrequency receiver units, e.g. TXS-871, TXS-872 or TXS-852
- Supplied with dummy plate
- Dimensions: 482 x 44 x 108 mm



Full specifications can be found on our website www.monacor-international.de.

RCS-32/SW

Order No. 33.3710

RCS-33/SW

Order No. 33.3720

482 mm (19") drawers, professional quality.

- Mat black textured coating
- Steel housing
- Lock and recessed grip
- Supplied with 2 keys



Model	RCS-32/SW	RCS-33/SW
Rack spaces, RS	2	3
Inside dimensions	409 x 79 x 355 mm	409 x 123 x 355 mm
Outside dimensions	482 x 89 x 368 mm	482 x 134 x 368 mm
Weight	6.88 kg	8.1 kg

RCS-22/SW

Order No. 33.4110

RCS-23/SW

Order No. 33.4120

RCS-24/SW

Order No. 33.4130

482 mm (19") drawers, standard quality.

- Mat black lacquered
- Steel housing
- Lock
- Supplied with 2 keys



Model	RCS-22/SW	RCS-23/SW	RCS-24/SW
Rack spaces, RS	2	3	4
Inside dimensions	405 x 74 x 430 mm	405 x 118 x 430 mm	405 x 163 x 430 mm
Outside dimensions	482 x 89 x 475 mm	482 x 134 x 475 mm	482 x 176 x 475 mm
Weight	7.6 kg	8.8 kg	10.4 kg

RWM-1D

Order No. 25.6070

RWM-2D

Order No. 25.6080

Rack-mount cable ducts, for horizontal cable management in 482 mm (19") racks, e.g. RACK-42NV, RACK-32NV, RACK-21NV, RACK-15NV.

- Metal rack panel, black powder-coated (standard RAL 9005)
- Panels with oval apertures for cable routing from the front to the back
- Black plastic cable duct with vertical apertures for cable diameters up to 8 mm



RWM-1D: 1 RS, 482 x 44 x 70 mm
RWM-2D: 2 RS, 482 x 88 x 70 mm

RWM-2H

Order No. 25.6090

Rack-mount patch cable mangement panel, for 482 mm (19") racks, e.g. RACK-42NV, RACK-32NV, RACK-21NV, RACK-15NV.

- Metal rack panel, black powder-coated (standard RAL 9005)
- Panels with oval apertures for cable routing from the front to the back
- 5 black plastic brackets
- 482 x 88 x 90 mm, 2 RS



MCS-180
Order No. 05.0002



Rack-mount power strip, with 8 earthed sockets.
- Sockets can be switched individually via illuminated switches
- Black sheet steel housing
- 1.8 m connection cable with earthed plug
- Cable specification H05VV-F3G 1.5 mm², 3,600 VA max.
- Dimensions: 482 x 89 x 110 mm, 2 RS

RCS-92/SW
Order No. 11.1410



Rack-mount power strip, with 9 earthed sockets.
- Sockets turned by 45°
- Black aluminium housing
- Removable mounting brackets
- 2 m connection cable with earthed plug
- Cable specification: H05VV-F3G x 1.5 mm², 3,600 VA max.
- Dimensions: 482 x 44 x 45 mm, 1 RS

RCS-85/SW
Order No. 11.1850



Rack-mount power strip, with an illuminated main switch on the front panel and 8 earthed sockets on the rear panel.
- Sockets turned by 45°
- Black aluminium housing
- Removable mounting brackets to allow for reversed mounting
- 2 m connection cable with earthed plug
- Cable specification: H05VV-F3G x 1.5mm², 3,600 VA max.
- Dimensions: 482 x 44 x 52 mm, 1 RS

RCS-18
Order No. 11.1200



Rack-mount power strip, with 8 earthed sockets and overvoltage protection.
- Child safety sockets
- Sockets turned by 45°
- Illuminated main switch
- Black plastic housing
- 1 m connection cable with earthed plug, cable inlet can be turned by 90° via flexible joint
- Cable specification: H05VV-F3G x 1.5 mm², 3,600 VA max.
- Dimensions: 482 x 44 x 60 mm, 1 RS

482 mm (19“) Rack Cabinets



- Steel housing
- Mat black textured coating
- Ventilation slots on the upper side

Model	Order No.	Rack spaces, RS	Inside dimensions	Outside dimensions	Weight
RCG-21/SW	33.3770	1	432 x 42.5 x 218 mm	482 x 44.5 x 224 mm	3 kg
RCG-22/SW	33.3780	2	432 x 83 x 218 mm	482 x 88 x 224 mm	3.5 kg

482 mm (19“) Profile Rack Cabinets



- Plastic-coated 1.2 mm sheet steel housing
- Rear panel: 1.5 mm
- 3 mm standard aluminium front panel
- Inside profile rails, e.g. for PCBs
- Cabinets with 2 RS are supplied with silver anodised handles

Model	Order No.	Rack spaces, RS	Outside dimensions	Weight
RC-121/SW	33.2090	1	483 x 44 x 238 mm	2.93 kg
RC-132/SW	33.2150	2	483 x 88 x 304 mm	4.24 kg

482 mm (19“) Rack Panel System

- Different models for an individual combination
- Robust metal version
- Pre-drilled cutouts for connectors or similar
- Simple screw connection of the segment panels to the front frame RSP-10F

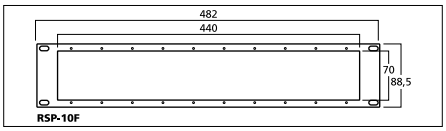
RSP-10F

Order No. 33.4100

482 mm 19“

Front frame, 482 mm (19“), 2 RS

- Particularly suitable for all segment panels (RSP-...)
- Up to 10 segments can be mounted
- Pre-drilled mounting holes
- Matching inner case RSP-10H is available at option
- Dimensions: 482 x 88 x 20 mm, 2 RS
- Weight: 310 g
- Supplied with 20 fixing screws for segment panels



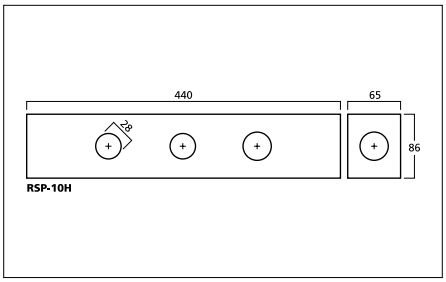


RSP-10H

Order No. 33.4090

Inner case, for front frame RSP-10F.

- Pre-drilled cable inlets at the rear side of the case
- Dimensions: 440 x 85 x 65 mm
- Weight: 1,200 g



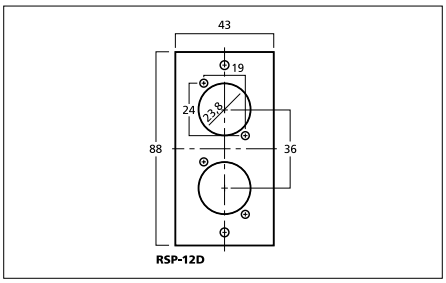


RSP-12D

Order No. 33.3950

1-fold segment panel

- For mounting to the front frame RSP-10F
- 2 x XLR or Speakon (D series), e.g. NL-4MP, XLR-408J



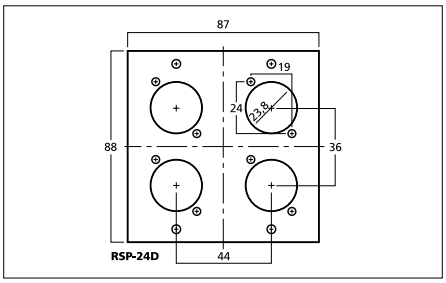


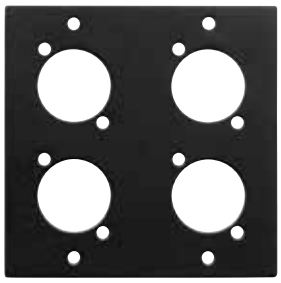
RSP-24D

Order No. 33.3960

2-fold segment panel

- For mounting to the front frame RSP-10F
- 4 x XLR or Speakon (D series), e.g. NL-4MP, XLR-408J



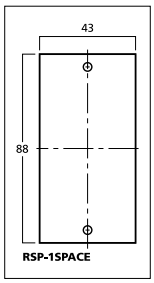


RSP-1SPACE

Order No. 33.3910

1-fold segment panel

- For mounting to the front frame RSP-10F



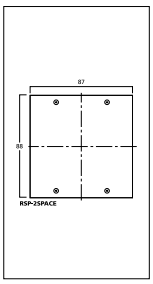


RSP-2SPACE

Order No. 33.3920

2-fold segment panel

- For mounting to the front frame RSP-10F





RCP-8731U
Order No. 12.9980

Rack panel, 1 RS
- Punched holes:
  – 6 x D series, e.g. NC-3MDL1, NC-3FDL1, NL-2MP, NL-4MP
- Dimensions: 482 x 44.5 mm



RCP-8732U
Order No. 12.9990

Rack panel, 1 RS
- Punched holes:
  – 8 x D series, e.g. NC-3MDL1, NC-3FDL1, NL-2MP, NL-4MP
- Dimensions: 482 x 44.5 mm



RCP-8733U
Order No. 12.0250

Rack panel, 1RS
- Punched holes:
  – 4 x D series, e.g. NC-3MDL1, NC-3FDL1, NL-2MP, NL-4MP
  – 1 x 3-pin IEC plug, e.g. AAC-150J
- Dimensions: 482 x 44.5 mm



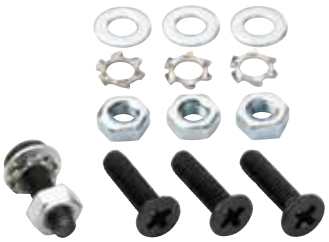
RCP-8734U
Order No. 12.0260

Rack panel, 1 RS
- Punched holes:
  – 8 x D series, e.g. NC-3MDL1, NC-3FDL1, NL-2MP, NL-4MP
  – 1 x 3-pin IEC plug, e.g. AAC-150J
- Dimensions: 482 x 44.5 mm



MZF-312/SW
Order No. 12.8790

Set of mounting screws, for the RCP-... series.
16 x recessed countersunk head screw
16 x nut M3
16 x tooth lock washer
16 x washer



DBA-1/SW
Order No. 11.0570

Cover plate, for rack panels. To cover punched holes which are unused, for XLR jacks of the D series.



MFD-1
Order No. 11.1250

Mounting frame, with M3 thread.
- Suitable for panel connectors of D series standard
- For mounting with M3 screws (not supplied)
- Supplied w/o connector

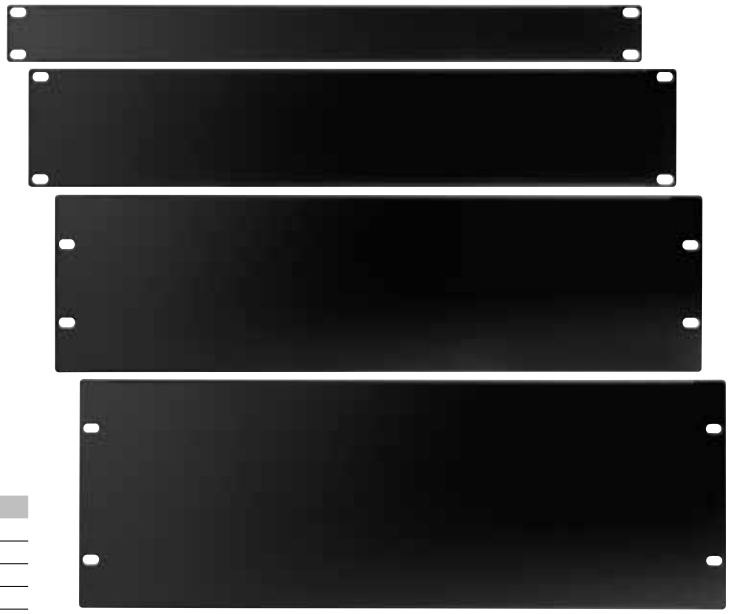


Due to different hole spacing with panel connectors of the D and P series from NEUTRIK, manual modification of the rack panels was necessary up to now in order to prevent a lopsided installation. This series of rack panels is particularly suitable for D-type and P-type connectors and is provided with respective cut-outs.

482 mm (19“) Rack Panels

Closed.

1.5 mm steel, black plastic coating. Upper and lower edges 8 mm angled in different configurations. Ideally suited for individual compilation of 482 mm (19“) systems.



Model	Order No.	Rack spaces, RS	Outside dimensions
RCP-8701U	12.2760	1	483 x 44.5 mm
RCP-8702U	12.2770	2	483 x 89 mm
RCP-8703U	12.2780	3	483 x 132.5 mm
RCP-8704U	12.2790	4	483 x 177 mm

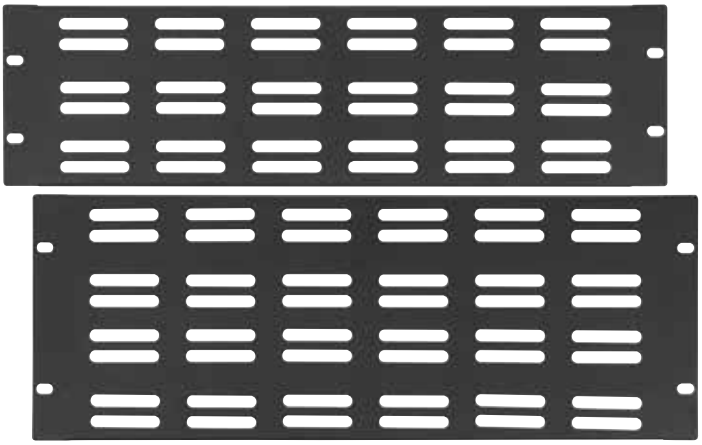
RCP-8723U

Order No. 11.0650

RCP-8724U

Order No. 11.0660

Rack panels, with ventilation slots.
RCP-8723U: 3 RS, 483 x 133.5 mm
RCP-8724U: 4 RS, 483 x 178 mm



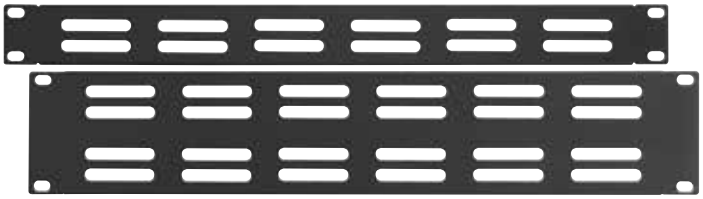
RCP-8721U

Order No. 12.2810

RCP-8722U

Order No. 12.2820

Rack panels, with ventilation slots.
RCP-8721U: 1 RS, 483 x 44.5 mm
RCP-8722U: 2 RS, 483 x 89 mm



RCP-8730U

Order No. 12.9970

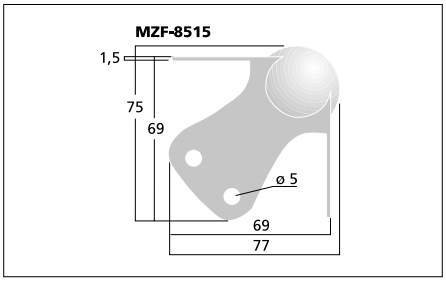
Rack panel, 1 RS

- Punched holes:
  – 4 x D series, e.g. NC-3MDL1, NC-3FDL1, NL-2MP, NL-4MP
- Dimensions: 482 x 44.5 mm



MZF-8515
Order No. 12.3260

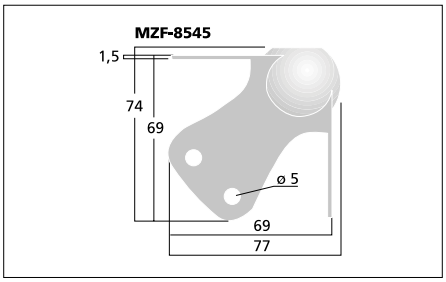
Metal corner
Large, 3 legs, two holes for screwing, 1.5 mm steel.





MZF-8545
Order No. 12.1060

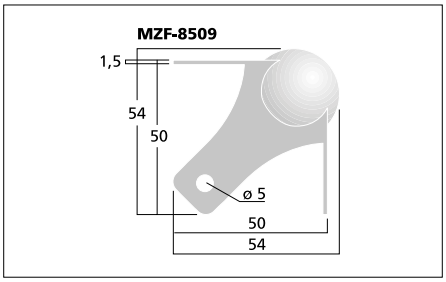
Metal corner
Large, 3 legs, stackable, two holes for screwing, 1.5 mm steel.





MZF-8509
Order No. 12.3250

Metal corner
Medium size, 3 legs, 1.5 mm steel.

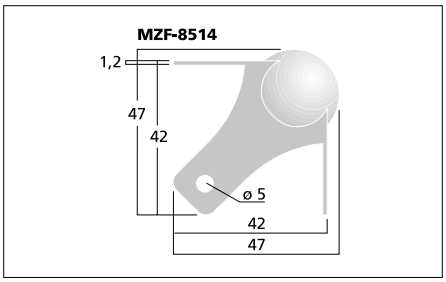


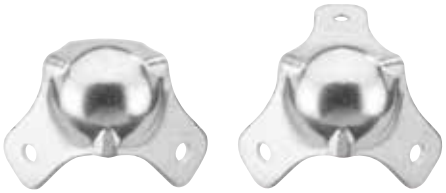


MZF-8514
Order No. 12.0530

MZF-8513
Order No. 12.0520

Metal corners
Small, 1.2 mm steel.
MZF-8514: 3 legs
MZF-8513: 2 legs

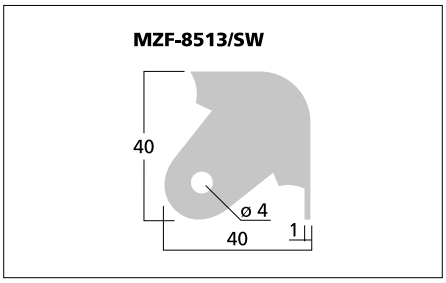




MZF-8514/SW
Order No. 11.1040

MZF-8513/SW
Order No. 11.1030

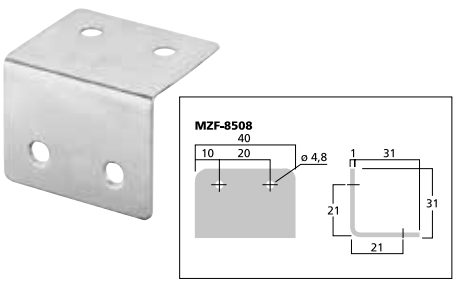
Metal corners
Black lacquered, 1 mm steel. For right-angle and trapezoid corners.
MZF-8514/SW: 3 legs
MZF-8513/SW: 2 legs





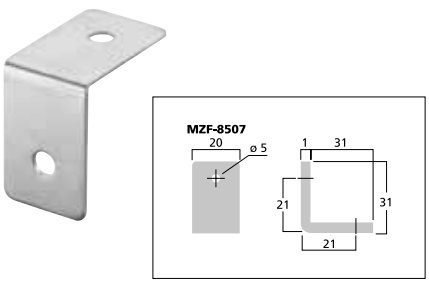
MZF-8508
Order No. 12.3240

Metal corner
large, 1 mm steel.



MZF-8507
Order No. 12.3230

Metal corner
small, 1 mm steel.



MZF-8502/SW
Order No. 12.1720
MZF-8502
Order No. 12.1030

Metal case corners
Basic, black (SW) and silver,
41 x 41 x 41 mm.



MZF-8503
Order No. 12.1040

Metal case corner
Stackable with bulge (for MZF-8504),
42 x 42 x 42 mm.



MZF-8504
Order No. 12.7960

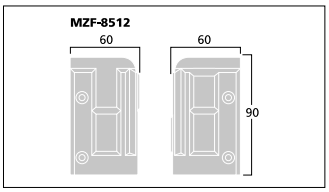
Metal case corner
- Stackable with indentation (for MZF-8503), 42 x 42 x 42 mm.



MZF-8512
Order No. 12.0500

Plastic corner for speaker cabinets
Robust, large version, stackable.

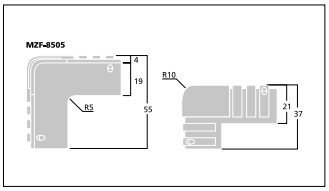




MZF-8505
Order No. 12.4210

Plastic corner
Small, 3 legs, 1 of which is shortened.





MZF-8305
Order No. 12.7800
MZF-8304
Order No. 12.8700

Recessed handles for speaker cabinets, enamelled steel, for heavy cabinets.
MZF-8305:
large version: 162 x 280 x 69 mm



MZF-8304:
medium size: 162 x 220 x 56 mm

MZF-337
Order No. 12.7380

Recessed handle for speaker cabinets
Robust, ergonomic plastic version,
166 x 210 x 60 mm.



MZF-8308
Order No. 12.7370

Recessed handle for speaker cabinets
Plastic version of medium size for speaker cabinets of medium weight, (WxHxD): 135 x 88 x 75 mm.



MZF-8314/SW
Order No. 12.2970
MZF-8314
Order No. 12.1010

Carrying handles
Recessed, low depth, with robust spring-loaded drop handle, silver or black (SW), outside: 155 x 105 mm, mounting cutout: 135 x 80 mm.



MZF-8312
Order No. 12.0510

Carrying handle
To be screwed on, with robust spring-loaded drop handle, silver, dimensions: 140 x 40 x 15 mm.



MZF-8302
Order No. 12.9000

Strap handle, spring steel sheet version with plastic sleeve.
- Metal end caps
- Supplied with two 4 x 25 mm screws
- Length: 240 mm



Swivel Castors from Blickle, for transporting e.g. PA speaker systems or cases.

- Castor wheels with plain bearing and ball bearing guidance
- All-rubber castor wheels
- Zinc-plated metal parts



Blickle

Model	Order No.	Type	Wheel diameter	Height	Support area	Max. load	Castor wheel material	Pos.
GCB-50	11.8950	swivel castor	50 mm	71 mm	60 x 60 mm	40 kg	all-rubber, grey, non-marking	A
GCB-50B	11.8960	swivel castor with brake	50 mm	71 mm	60 x 60 mm	40 kg	all-rubber, grey, non-marking	B
GCB-75	11.8970	swivel castor	75 mm	100 mm	60 x 60 mm	60 kg	all-rubber, grey, non-marking	C
GCB-75B	11.8980	swivel castor with brake	75 mm	100 mm	60 x 60 mm	60 kg	all-rubber, grey, non-marking	D
GCB-100	12.8930	swivel castor	100 mm	125 mm	100 x 85 mm	70 kg	all-rubber, black	E
GCB-100B	11.8940	swivel castor with brake	100 mm	125 mm	100 x 85 mm	70 kg	all-rubber, black	F

High-quality Swivel Castors from Blickle,

for transporting e.g. PA speaker systems or cases.

- Castor wheels with plain bearing and ball bearing guidance
- Blue all-rubber elastic castor wheels, non-marking
- Zinc-plated metal parts



Blickle

Model	Order No.	Type	Wheel diameter	Height	Support area	Max. load	Castor wheel material	Pos.
GCBB-100	11.1900	swivel castor	100 mm	125 mm	100 x 85 mm	150 kg	all-rubber elastic, blue, non-marking	A
GCBB-100B	11.1910	swivel castor with brake	100 mm	125 mm	100 x 85 mm	150 kg	all-rubber elastic, blue, non-marking	B

MZF-6045

Order No. 12.9010

MZF-6045/SW

Order No. 12.9020

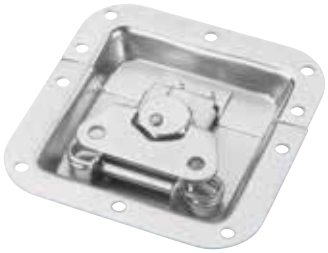
Drawbolt catches, for cases and transport cases.
Black (MZF-6045/SW) or nickel-plated (MZF-6045), 1 mm steel, 100 x 50 x 11 mm, 66 g.



MZF-8112

Order No. 12.2880

Butterfly lock
Cadmium-plated, for any type of transport case. Mounting dimensions: 78 x 82 x 15 mm, dimensions: 102 x 105 x 20 mm.



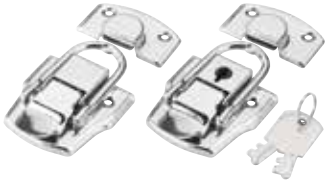
MZF-6040

Order No. 12.5510

MZF-6042

Order No. 12.5520

Drawbolt catches, for cases and transport cases. Chromium-plated steel version, 77 x 44 x 14 mm.
MZF-6042: lockable



Full specifications can be found on our website www.monacor-international.de.

SPS-50/GO

Order No. 12.2320

4x

Set of resonance absorbers for speakers

- Effectively suppresses the transmission of unwanted vibrations
- Gold-coloured decorative ring
- Ø 25 mm x 20 mm
- Max. load per set: 30 kg



- Supplied with adhesive pads
- Sales unit: 4 pcs.

HF-160

Order No. 03.4660

Rubber foot

- For heavy units and speaker cabinet
- Ø 30 mm x 25 mm
- Hole: 5 mm



HF-155

Order No. 03.4330

Rubber foot

- For heavy units and speaker cabinets
- With grooved profile
- Ø 38 mm x 15 mm
- Hole: 5.2 mm



HF-145

Order No. 03.4320

HF-140

Order No. 03.3560

Rubber feet

- For heavy units and speaker cabinets
- With inserted metal disk
- Hole: 6.2 mm



HF-145: Ø 38 mm x 20 mm
HF-140: height: 10 mm

HF-70

Order No. 03.4300

20x

Rubber foot

- For small devices
- With inserted metal disk
- Mounting hole: 3.5 mm
- Ø 19 mm x 8 mm
- Sales unit: 20 pcs.

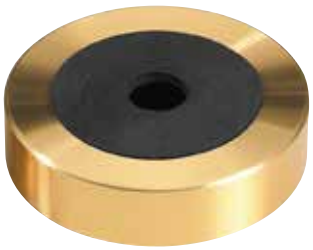


HF-60G

Order No. 03.4550

Cabinet foot

- Plastic
- Gold-coloured decorative cover
- Damping inserts
- With central mounting hole: Ø 4 mm
- Ø 58 mm x 15 mm



HF-45G

Order No. 03.4540

Cabinet foot

- Plastic
- Gold-coloured decorative cover
- Damping inserts
- With central mounting hole: Ø 4 mm
- Ø 45 mm x 14 mm



HF-35G

Order No. 03.4530

Cabinet foot

- Plastic
- Gold-coloured decorative cover
- Damping inserts
- With central mounting hole: Ø 3.5 mm
- Ø 35 mm x 11 mm



HF-50

Order No. 03.4290

20x

Rubber foot

- For small devices
- Round
- Self-adhesive
- Ø 16 mm x 8 mm
- Quantity delivered per item: 20 pcs.



HF-30

Order No. 03.4280

20x

HF-10

Order No. 03.4270

45x

Rubber feet

- For small devices
- Square
- Self-adhesive



HF-10: 13 x 13 x 3.5 mm, sales unit: 44 pcs.
HF-30: 20 x 20 x 8 mm, sales unit: 20 pcs.

PAST-36

Order No. 23.5330

Replacement rubber foot, suitable for speaker stands of the PAST-200 and PAST-250 series, also universally applicable for stands with a tube diameter of 35 mm.



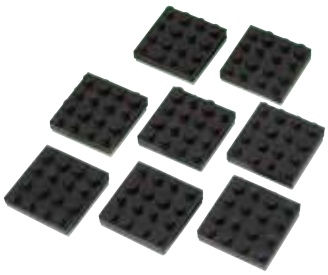
LAV-8

Order No. 12.1630

8x

Set of rubber feet for speakers

- Self-adhesive version
- Special absorber design
- Minimises contact surface
- 40 x 40 x 9.5 mm
- Sales unit: 8 pcs.



CB-122

Order No. 25.3810



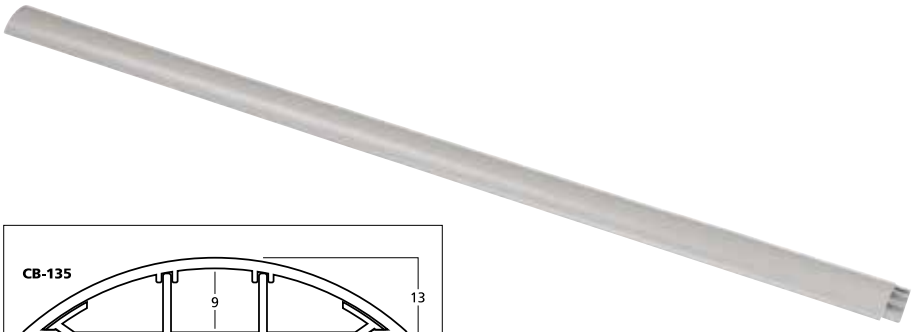
Professional cable protector, 1 m

For stage applications and outdoor cable installations.

- Heavy-duty rubber version
- 2 compartments for cables up to Ø 30 mm
- Striking yellow cover, can be opened
- Can be extended as desired due to connector system
- Load: 3 t
- Admissible ambient temperature: -35 °C to +65 °C
- Dimensions: 1,010 x 45 x 255 mm
- Weight: 7.2 kg

CB-135

Order No. 25.0370

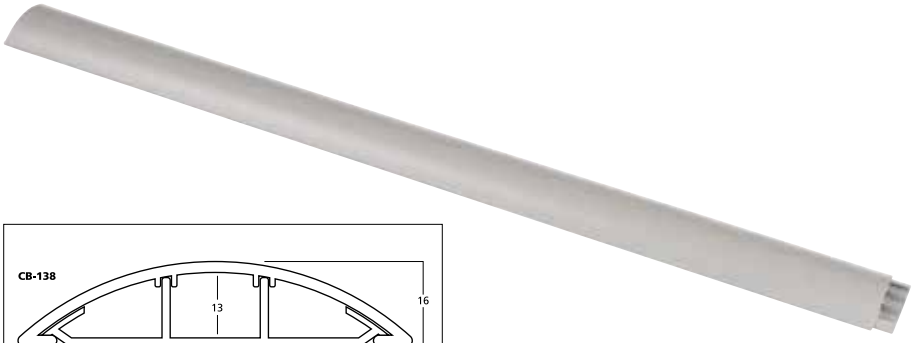


Cable protector, grey, 100 x 5 x 1.5 cm

- For general applications
- Robust, heavy-duty PVC material
- 3 compartments for cables 1 x Ø 8 mm and 2 x Ø 7 mm
- Pre-punched holes for screwing on the cable duct

CB-138

Order No. 25.0380



Cable protector, grey, 100 x 7.5 x 1.7 cm

- For general applications
- Robust, heavy-duty PVC material
- 3 compartments for cables 1 x Ø 13 mm and 2 x Ø 10 mm
- Pre-punched holes for screwing on the cable duct

Full specifications can be found on our website www.monacor-international.de.

MCR-8

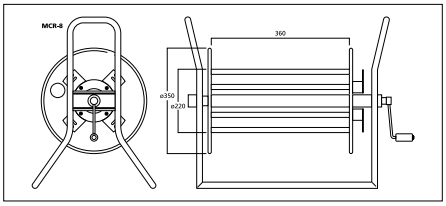
Order No. 25.1920

Professional empty cable reel, for cables lengths up to 200 m.

- Robust black lacquered version, suitable for stage applications
- Steel tube base
- Wide metal reel Ø 350 mm, with crank handle
- Dimensions: 580 x 510 x 350 mm
- Weight: 6.5 kg

Supplied w/o cable

The specified maximum cable length refers to standard microphone cables.





MCR-6

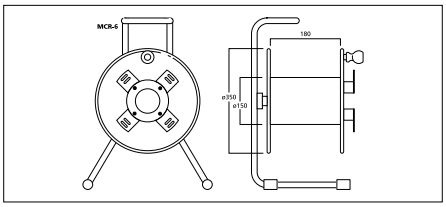
Order No. 25.1910

Professional empty cable reel, for cable lengths up to 100 m.

- Robust black lacquered version, suitable for stage applications
- Steel tube base
- Metal reel Ø 350 mm, to be secured with locking screw
- Dimensions: 380 x 560 x 310 mm
- Weight: 7.3 kg

Supplied w/o cable

The specified maximum cable length refers to standard microphone cables.





MCR-2

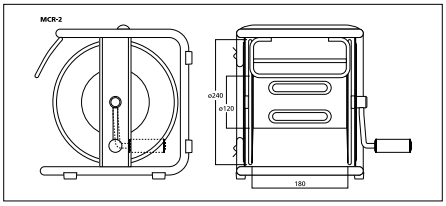
Order No. 25.2510

Professional empty cable reel, for cable lengths of up to 50 m.

- Robust black lacquered version, suitable for stage applications
- Heavy-duty version of high stability due to steel tube cage-type base frame
- With cable guidance
- 2 setup positions
- Metal reel Ø 240 mm, with crank handle
- Dimensions: 315 x 295 x 300 mm
- Weight: 3.1 kg

Supplied w/o cable

The specified maximum cable length refers to standard microphone cables.





MCR-1

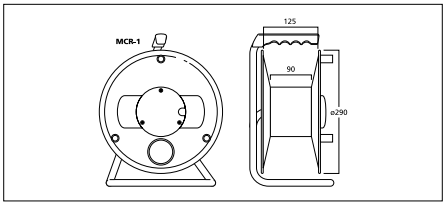
Order No. 25.1760

Empty cable reel, for cable lengths of up to 100 m.

- Steel tube base with ergonomic plastic carrying handle
- Plastic reel Ø 290 mm with locking device
- Dimensions: 290 x 365 x 190 mm
- Weight: 1.1 kg

Supplied w/o cable

The specified maximum cable length refers to standard microphone cables.





Cable Ties

100 x

Nylon, different versions.

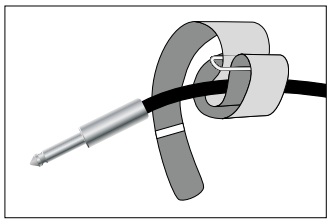


Model	Order No.	Colour	Length	Width
CT-100	03.1710	white	100 mm	2.5 mm
CT-100/SW	03.1020	black	100 mm	2.5 mm
CT-200	03.1750	white	200 mm	3.2 mm
CT-200/SW	03.1030	black	200 mm	3.6 mm

Hook and Loop Tapes

NEW

For universal fastening of cables.
CS-20/... hook and loop tape on one side.
CS-20K/... hook and loop tape on opposite sides, therefore can remain on the cable.





Model	Order No.	Colour	Length	Width	Tensile strength
CS-20/BL	24.6930	blue	30 cm	2 cm	300 N
CS-20/RT	24.6950	red	30 cm	2 cm	300 N
CS-20/SW	24.6960	black	30 cm	2 cm	300 N
CS-20K/BL	25.9170	blue	30 cm	2 cm	300 N
CS-20K/RT	25.9180	red	30 cm	2 cm	300 N
CS-20K/SW	25.9190	black	30 cm	2 cm	300 N

Hook and Loop Tapes

10 x

For universal fastening of cables.



Model	Order No.	Colour	Length	Width	Tensile strength
CS-120/SW	25.2040	black/blue	20 cm	2.5 cm	300 N
CS-130/SW	25.2050	black/blue	30 cm	2.5 cm	300 N

Hook and Loop Tapes

50 x

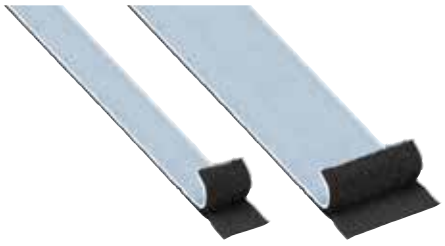
For universal fastening of cables.



Model	Order No.	Colour	Length	Width	Sales unit
CS-150SET	25.7740	black	15 cm	2 cm	50
CS-200SET	25.7750	black	20 cm	2 cm	50

Self-adhesive Hook and Loop Tapes

Black version, for universal fastening of items. Also to be used for securing items during transport.



Model	Order No.	Colour	Length	Width
CS-250/SW	24.7180	black	50 cm	2 cm
CS-550/SW	24.7240	black	50 cm	5 cm
CS-2100/SW	24.7170	black	100 cm	2 cm
CS-5100/SW	24.7230	black	100 cm	5 cm

CS-10/SW

Order No. 25.1720



Hook and loop tape

- Top and bottom sides of the tape with 'back-to-back' hook and loop system (the top side of the tape is attached to the bottom side of it)
- High shear stability
- Can easily be removed again
- Width: 16 mm, 10 m roll

CS-3DUO

Order No. 25.7180



Duotec® hook and loop tape

- High bonding strength (approx. 35 N/cm²)
- Mushroom-shaped stems (interlock with one another)
- Self-adhesive
- Width: 25 mm, 3 m roll

Components

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LEDS-5MP/RGBW

Order No. 38.7460

Flexible LED strip, ⎓ 24 V, moisture-proof version

- Fitted with 300 LEDs (SMD 5050, 4-in-1, RGB+warm white)
- Beam angle of each LED: 120°
- Can be cut into segments of variable size (groups of 6 LEDs)
- Moisture-proof PU sleeving for outdoor applications, IP65
- Self-adhesive rear side
- Supplied with 10 retaining clips
- Supplied on a plastic reel

IP65 LED 5m

Model	LEDS-5MP/RGBW
Luminous colour	red/green/blue/warm white
Fitted with	300 LEDs, SMD 5050
Beam angle	120°
Power supply	⎓ 24 V/3.4 A (0.9 A/m)



Flexible LED Strips, ⎓ 24 V, Moisture-proof Version, Double-row

Easy installation due to perfect flexibility and self-adhesive rear side which adheres to almost any kind of smooth surface, suitable for indoor and outdoor applications. Ideally suited for decorative lighting or commercial lighting. Due to small dimensions, an application is also possible at locations where standard lamps cannot be used. Feature bare cable ends for direct connection to a power supply, optional DMX interfaces or LED controllers.

IP65 LED 5m

- Fitted with 1,200 SMD 3528 LEDs
- High luminous efficiency due to double-row LEDs
- Beam angle of each LED: 120°
- Can be cut into segments of variable size (groups of 12 LEDs)
- Moisture-proof PU sleeving for outdoor applications, IP65
- Self-adhesive rear side
- Supplied with 10 retaining clips
- Supplied on a plastic reel



Model	Order No.	Luminous colour	Colour temperature	Luminous flux	Luminous intensity	Fitted with	Beam angle	Power supply
LEDS-52MP/WS	38.5640	white	5,500 K	1,440 lm	1,800 mcd	1,200 LEDs, SMD 3528	120°	⎓ 24 V/3.7 A (0.9 A/m)
LEDS-52MP/WWS	38.5650	warm white	3,300 K	1,320 lm	1,500 mcd	1,200 LEDs, SMD 3528	120°	⎓ 24 V/3.7 A (0.9 A/m)

Flexible LED Strips, ⎓ 24 V, Double-row

Easy installation due to perfect flexibility and self-adhesive rear side which adheres to almost any kind of smooth surface, suitable for indoor applications. Ideally suited for decorative lighting or commercial lighting. Due to small dimensions, an application is also possible at locations where standard lamps cannot be used. Feature bare cable ends for direct connection to a power supply, optional DMX interfaces or LED controllers.

LED 5m

- Fitted with 1,200 SMD 3528 LEDs
- High luminous efficiency due to double-row LEDs
- Beam angle of each LED: 120°
- Can be cut into segments of variable size (groups of 12 LEDs)
- Self-adhesive rear side
- Supplied with 10 retaining clips
- Supplied on a plastic reel



Model	Order No.	Luminous colour	Colour temperature	Luminous flux	Luminous intensity	Fitted with	Beam angle	Power supply
LEDS-52/WS	38.6860	white	5,500 K	1,440 lm	1,800 mcd	1,200 LEDs, SMD 3528	120°	⎓ 24 V/3.7 A (0.9 A/m)
LEDS-52/WWS	38.6870	warm white	3,300 K	1,320 lm	1,500 mcd	1,200 LEDs, SMD 3528	120°	⎓ 24 V/3.7 A (0.9 A/m)

Full specifications can be found on our website www.monacor-international.de.

Flexible LED Strips, ⎓ 24 V, Moisture-proof Version with 1,200 SMD LEDs

IP65 LED 5 m

Easy installation due to perfect flexibility and self-adhesive rear side which adheres to almost any kind of surface, suitable for indoor and outdoor applications. Suitable for decorative lighting. Due to small dimensions, an application is also possible at locations where standard lamps cannot be used. Feature bare cable ends for direct connection to a power supply, optional DMX interfaces or LED controllers.

- Densely fitted with SMD LEDs
- High brightness
- Beam angle of each LED: 120°
- Can be cut into segments of variable size (groups of 6 LEDs)
- Moisture-proof PU sleeving for outdoor applications, IP65
- Self-adhesive rear side
- Supplied with 10 retaining clips
- Supplied on a plastic reel



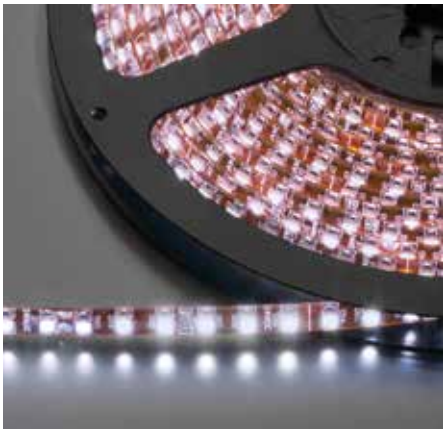
Model	Order No.	Luminous colour	Colour temperature	Luminous flux	Fitted with	Beam angle	Power supply
LEDS-5MPB/WS	38.0210	white	5,500 K	1,680 lm	1,200 LEDs, SMD 3528	120°	⎓ 24 V/3.6 A (0.8 A/m)
LEDS-5MPB/WWS	38.0220	warm white	3,300 K	1,600 lm	1,200 LEDs, SMD 3528	120°	⎓ 24 V/3.6 A (0.8 A/m)

Flexible LED Strips, ⎓ 24 V, Moisture-proof Version of High Luminous Intensity

IP65 LED 5 m

Easy installation due to perfect flexibility and self-adhesive rear side which adheres to almost any kind of surface, suitable for indoor and outdoor applications. Ideally suited for decorative lighting. Due to small dimensions, an application is also possible at locations where standard lamps cannot be used. Feature bare cable ends for direct connection to a power supply, optional DMX interfaces or LED controllers.

- Fitted with SMD LEDs
- Beam angle of each LED: 120°
- Can be cut into segments of variable size (groups of 6 LEDs)
- Moisture-proof PU sleeving for outdoor applications, IP65
- Self-adhesive rear side
- Supplied with 10 retaining clips
- Supplied on a plastic reel



Model	Order No.	Luminous colour	Colour temperature	Luminous flux	Luminous intensity	Fitted with	Beam angle	Power supply
LEDS-5MPL/WS	38.4680	white	5,500 K	720 lm	1,800 mcd	600 LEDs, SMD 3528	120°	⎓ 24 V/1.5 A (0.4 A/m)
LEDS-5MPL/WWS	38.4690	warm white	3,300 K	600 lm	1,500 mcd	600 LEDs, SMD 3528	120°	⎓ 24 V/1.5 A (0.4 A/m)
LEDS-5MPL/RGB	38.4700	red/green/blue	-	-	-	300 LEDs, SMD 5050	120°	⎓ 24 V/2.5 A (0.6 A/m)

Flexible LED Strips, ⎓ 24 V, Moisture-proof Version

IP65 LED 10 m

Easy installation due to perfect flexibility and self-adhesive rear side which adheres to almost any kind of surface, suitable for indoor and outdoor applications. Ideally suited for decorative lighting. Due to small dimensions, an application is also possible at locations where standard lamps cannot be used. Feature bare cable ends for direct connection to a power supply, optional DMX interfaces or LED controllers.

- Fitted with SMD LEDs
- Beam angle of each LED: 120°
- Can be cut into segments of variable size (groups of 6 LEDs: LEDS-10MP/WS, LEDS-10MP/WWS, groups of 5 LEDs: LEDS-10MP/RGB)
- Moisture-proof PU sleeving for outdoor applications, IP65
- Self-adhesive rear side
- Supplied with 20 retaining clips
- Supplied on a plastic reel
- Supplied with mounting accessories



Model	Order No.	Luminous colour	Colour temperature	Luminous flux	Luminous intensity	Fitted with	Beam angle	Power supply
LEDS-10MP/WS	38.5670	white	5,500 K	360 lm	1,800 mcd	600 LEDs, SMD 3528	120°	⎓ 24 V/1.5 A (0.2 A/m)
LEDS-10MP/WWS	38.5680	warm white	3,300 K	300 lm	1,500 mcd	600 LEDs, SMD 3528	120°	⎓ 24 V/1.5 A (0.2 A/m)
LEDS-10MP/RGB	38.5660	red/green/blue	-	-	-	300 LEDs, SMD 5050	120°	⎓ 24 V/2.5 A (0.4 A/m)

Flexible LED Strips, ⎓ 12 V, Moisture-proof Version, "ECONOMY QUALITY"

IP65 LED 5m

The economical version of the LED strip series LEDS-5MP/... with smaller LED chips.

- Fitted with SMD LEDs
- Beam angle of each LED: 120°
- Can be cut into segments of variable size (groups of 3 LEDs)
- Moisture-proof PU sleeving for outdoor applications, IP65
- Self-adhesive rear side
- Supplied with 10 retaining clips
- Bare cable ends for direct connection to a power supply, optional DMX interfaces or LED controllers
- Supplied on a plastic reel



Model	Order No.	Luminous colour	Colour temperature	Luminous flux	Luminous intensity	Fitted with	Beam angle	Power supply
LEDS-5MPE/WS	38.6280	white	5,500 K	240 lm	1,300 mcd	300 LEDs, SMD 3528	120°	⎓ 12 V/1.5 A (0.4 A/m)
LEDS-5MPE/WWS	38.6290	warm white	3,300 K	180 lm	1,100 mcd	300 LEDs, SMD 3528	120°	⎓ 12 V/1.5 A (0.4 A/m)
LEDS-5MPE/RGB	38.6270	red/green/blue	-	-	-	150 LEDs, SMD 5050	120°	⎓ 12 V/2.5 A (0.6 A/m)

Flexible LED Strips, ⎓ 12 V, Moisture-proof Version

IP65 LED 5m

Easy installation due to perfect flexibility and self-adhesive rear side which adheres to almost any kind of surface, suitable for indoor and outdoor applications. Ideally suited for decorative lighting. Due to small dimensions, an application is also possible at locations where standard lamps cannot be used. Feature bare cable ends for direct connection to a power supply, optional DMX interfaces or LED controllers.

- Fitted with SMD LEDs
- Beam angle of each LED: 120°
- Can be cut into segments of variable size (groups of 3 LEDs)
- Moisture-proof PU sleeving for outdoor applications, IP65
- Self-adhesive rear side
- Supplied with 10 retaining clips
- Supplied on a plastic reel



Model	Order No.	Luminous colour	Luminous flux	Luminous intensity	Fitted with	Beam angle	Power supply
LEDS-5MP/AM	38.4420	amber	132 lm	600 mcd	330 LEDs, SMD 3528	120°	⎓ 12 V/1.5 A (0.5 A/m)
LEDS-5MP/BL	38.3390	blue	66 lm	300 mcd	330 LEDs, SMD 3528	120°	⎓ 12 V/1.5 A (0.5 A/m)
LEDS-5MP/GN	38.3400	green	264 lm	1,200 mcd	330 LEDs, SMD 3528	120°	⎓ 12 V/1.5 A (0.5 A/m)
LEDS-5MP/RT	38.3380	red	132 lm	600 mcd	330 LEDs, SMD 3528	120°	⎓ 12 V/1.5 A (0.5 A/m)
LEDS-5MP/WS	38.3410	white	396 lm	1,800 mcd	330 LEDs, SMD 3528	120°	⎓ 12 V/1.5 A (0.5 A/m)
LEDS-5MP/WWS	38.3420	warm white	3,300 lm	1,500 mcd	330 LEDs, SMD 3528	120°	⎓ 12 V/1.5 A (0.5 A/m)
LEDS-5MP/RGB	38.3310	red/green/blue	-	-	150 LEDs, SMD 5050	120°	⎓ 12 V/2 A (0.6 A/m)

Flexible LED Strips, ⎓ 12V, Moisture-proof Version with super-bright 5050 LEDs (3-chip LED)

IP65 LED 5m

Easy installation due to perfect flexibility and self-adhesive rear side which adheres to almost any kind of surface, suitable for indoor and outdoor applications. Ideally suited for decorative lighting. Due to small dimensions, an application is also possible at locations where standard lamps cannot be used. Features bare cable ends for direct connection to a power supply, optional DMX interfaces or LED controllers.

- Fitted with SMD LEDs
- Beam angle of each LED: 120°
- Can be cut into segments of variable size (groups of 3 LEDs)
- Moisture-proof PU sleeving for outdoor applications, IP65
- Self-adhesive rear side
- Supplied with 10 retaining clips
- Supplied on a plastic reel



Model	Order No.	Luminous colour	Colour temperature	Luminous flux	Luminous intensity	Fitted with	Beam angle	Power supply
LEDS-55MP/WS	38.4660	white	5,500 K	450 lm	5,400 mcd	150 LEDs, SMD 5050	120°	⎓ 12 V/2 A (0.6 A/m)
LEDS-55MP/WWS	38.4670	warm white	3,300 K	420 lm	4,500 mcd	150 LEDs, SMD 5050	120°	⎓ 12 V/2 A (0.6 A/m)

Full specifications can be found on our website www.monacor-international.de.

Flexible LED Strips, ⎓ 12 V, Open Version for Indoor Applications

LED 5m

Easy installation due to perfect flexibility and self-adhesive rear side which adheres to almost any kind of surface. Ideally suited for ambient lighting and decorative lighting. Due to small dimensions, an application is also possible at locations where standard lamps cannot be used. Feature bare cable ends for direct connection to a power supply, optional DMX interfaces or LED controllers.

- Fitted with SMD LEDs
- Beam angle of each LED: 120°
- Can be cut into segments of variable size (groups of 3 LEDs)
- Self-adhesive rear side
- Supplied on a plastic reel



Model	Order No.	Luminous colour	Colour temperature	Luminous flux	Luminous intensity	Fitted with	Beam angle	Power supply
LEDS-5/WS	38.3460	white	5,500 K	396 lm	1,800 mcd	330 LEDs, SMD 3528	120°	⎓ 12 V/1.5 A (0.5 A/m)
LEDS-5/WWS	38.3470	warm white	3,300 K	330 lm	1,500 mcd	330 LEDs, SMD 3528	120°	⎓ 12 V/1.5 A (0.5 A/m)
LEDS-5/RGB	38.3480	red/green/blue	-	-	-	150 LEDs, SMD 5050	120°	⎓ 12 V/2 A (0.6 A/m)

Flexible LED Rope Lights, ⎓ 12 V, Waterproof Version

IP68 LED 5m

- Neon lighting effect (BL, GN, RT) or warm white (WWS)
- Easy installation for decorative and background lighting
- Fitted with 180 SMD LEDs per metre
- Beam angle: 300°
- Waterproof silicone sleeving for outdoor applications, IP68
- Bare cable ends for direct connection to a power supply, optional DMX interfaces or LED controllers

- LED rope light can be cut to any required length
- Supplied with 5 retaining clips, 5 end caps, 5 connection caps and 2 connection cables
- Supplied on a plastic reel



Model	Order No.	Luminous colour	Energy efficiency class	Fitted with	Beam angle	Power supply
NEON-5/BL	38.7220	neon blue	-	900 LEDs, SMD 3528	300°	⎓ 12 V/3.7 A
NEON-5/GN	38.7230	neon green	-	900 LEDs, SMD 3528	300°	⎓ 12 V/3.7 A
NEON-5/RT	38.7240	neon red	-	900 LEDs, SMD 3528	300°	⎓ 12 V/3.7 A
NEON-5/WWS	38.7250	warm white	-	900 LEDs, SMD 3528	300°	⎓ 12 V/3.7 A



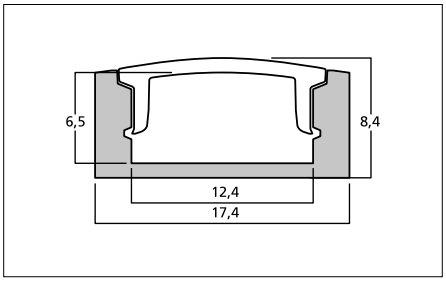
LEDSP-311/FC

Order No. 38.7260

1m

Aluminium U-profile rail for LED strips

- High-quality version made of anodised aluminium
- Length: 1 m, width: 17.4 mm, height: 8.4 mm
- For LED strips with a width of up to 12 mm
- Slightly convex cover, semi-frosted
- Click technology for easily attaching and removing the cover
- End caps LEDSP-3EC, linear connectors LEDSP-3C and mounting clips LEDSP-3B are available at option
- Packing unit: 1 pc.





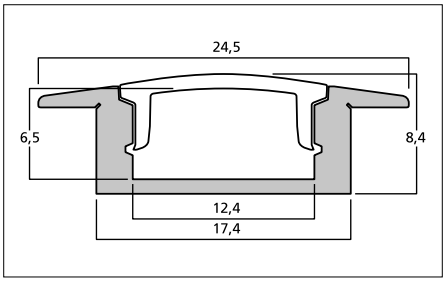
LEDSP-321/FC

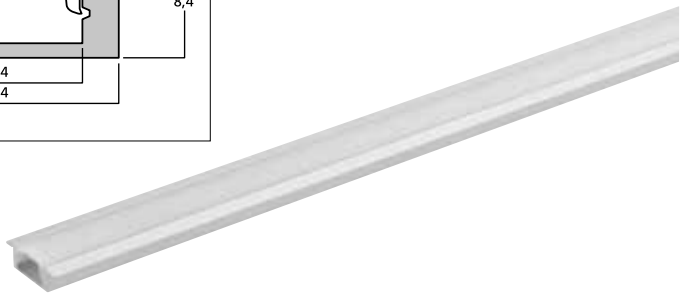
Order No. 38.7270

1m

Aluminium T-profile rail for LED strips

- High-quality version made of anodised aluminium with collar for flush mounting
- Length: 1 m, width: 24.5 mm, height: 8.4 mm
- For LED strips with a width of up to 12 mm
- Slightly convex cover, semi-frosted
- Click technology for easily attaching and removing the cover
- End caps LEDSP-3ECC and linear connectors LEDSP-3C are available at option
- Packing unit: 1 pc.





LEDSP-3B

Order No. 38.7280

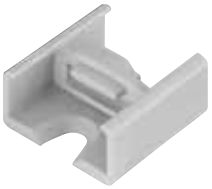
Mounting clip, matching the aluminium LED profile LEDSP-311/FC.



LEDSP-3C

Order No. 38.7290

Linear connector, matching the aluminium LED profiles LEDSP-311/FC and LEDSP-321/FC.



LEDSP-3EC

Order No. 38.7300

End cap, matching the aluminium LED profile LEDSP-311/FC.



LEDSP-3ECC

Order No. 38.7310

End cap, matching the aluminium LED profile LEDSP-321/FC.



LEDS-10H

Order No. 38.5070

5m

Silicone support, for flexible LED strips with a width of 8 mm.

- For mounting by adhesive bonding, stapling or nailing
- Transparent silicone material
- Dimensions: 10 mm x 4 mm x 5 m (WxHxL)



LEDS-12H

Order No. 38.5080

5m

Silicone support, for flexible LED strips with a width of 10 mm.

- For mounting by adhesive bonding, stapling or nailing
- Transparent silicone material
- Dimensions: 12 mm x 4 mm x 5 m (WxHxL)



Full specifications can be found on our website www.monacor-international.de.

LEDC-4L
Order No. 38.5950



Quick connector for SMD LED strips
- Allows direct connection of flexible LED strips to a power supply
- Suitable width: 10 mm
- Cable length: 10 cm, 2 poles

LEDC-4S
Order No. 38.5940



Quick connector for SMD LED strips
- Allows direct connection of flexible LED strips to a power supply
- Suitable width: 8 mm
- Cable length: 10 cm, 2 poles

LEDC-3L
Order No. 38.5920



Quick connector for SMD LED strips
- Allows direct connection of flexible LED strips
- Suitable width: 10 mm
- Cable length: 10 cm, 2 poles

LEDC-3S
Order No. 38.5910



Quick connector for SMD LED strips
- Allows direct connection of flexible LED strips
- Suitable width: 8 mm
- Cable length: 10 cm, 2 poles

LEDC-3RGB
Order No. 38.5930



Quick connector for SMD RGB LED strips
- Allows direct connection of flexible RGB LED strips
- Suitable width: 10 mm
- Cable length: 10 cm, 4 poles

LEDC-2RGB
Order No. 38.5900



Quick connector for SMD RGB LED strips
- Allows direct connection of flexible RGB LED strips
- Suitable width: 10 mm
- Type of connection: strip/bare cable ends, 4 poles

LEDC-2L
Order No. 38.5890



Quick connector for SMD LED strips
- Allows direct connection of flexible LED strips
- Suitable width: 10 mm
- Type of connection: strip/bare cable ends, 2 poles

LEDC-2S
Order No. 38.5880



Quick connector for SMD LED strips
- Allows direct connection of flexible LED strips
- Suitable width: 8 mm
- Type of connection: strip/bare cable ends, 2 poles

LEDC-1L
Order No. 38.5860



Quick connector for SMD LED strips
- Allows direct connection of flexible LED strips
- Suitable width: 10 mm
- Type of connection: strip/strip, 2 poles
- Current rating: 5 A

LEDC-1S
Order No. 38.5850



Quick connector for SMD LED strips
- Allows direct connection of flexible LED strips
- Suitable width: 8 mm
- Type of connection: strip/strip, 2 poles
- Current rating: 5 A

LEDC-1RGB
Order No. 38.5870



Quick connector for SMD RGB LED strips
- Allows direct connection of flexible RGB LED strips
- Suitable width: 10 mm
- Type of connection: strip/strip, 4 poles
- Current rating: 5 A

CU-1MINI

Order No. 38.7530

Single-channel wireless mini LED controller, with radio remote control.

- For controlling unicoloured LED strips
- Protected against overheating
- Transmission frequency: 433.92 MHz
- Operating range: 10 m
- Maximum load: 5 A
- Power supply: ⎓ 12 V/5 A or ⎓ 24 V/5 A
- Dimensions: 51 x 14 x 6 mm
- Weight: 24 g



CU-3MINI

Order No. 38.7540

3-channel wireless mini LED controller, with radio remote control.

- For controlling RGB LED strips
- Protected against overheating
- Transmission frequency: 433.92 MHz
- Operating range: 10 m
- Maximum load: 2 A per channel
- Power supply: ⎓ 12 V/6 A or ⎓ 24 V/6 A
- Dimensions: 51 x 14 x 6 mm
- Weight: 36 g



CU-1

Order No. 38.7500

Single-channel wireless LED controller, with radio remote control.

- For controlling unicoloured LED strips
- Protected against short circuit, overheating and overload
- Transmission frequency: 433.92 MHz
- Operating range: 10 m
- Maximum load: 7.5 A
- Power supply: ⎓ 12 V/7.5 A or ⎓ 24 V/7.5 A
- Dimensions: 87 x 21 x 9 mm
- Weight: 35 g



CU-3

Order No. 38.7510

3-channel wireless LED controller, with radio remote control.

- For controlling RGB LED strips
- Protected against short circuit, overheating and overload
- Transmission frequency: 433.92 MHz
- Operating range: 10 m
- Maximum load: 2.5 A per channel
- Power supply: ⎓ 12 V/7.5 A or ⎓ 24 V/7.5 A
- Dimensions: 87 x 21 x 9 mm
- Weight: 36 g



CU-4

Order No. 38.7520

4-channel wireless LED controller, with radio remote control.

- For controlling RGBW LED strips
- Protected against short circuit, overheating and overload
- Transmission frequency: 433.92 MHz
- Operating range: 10 m
- Maximum load: 1.85 A per channel
- Power supply: ⎓ 12 V/7.5 A or ⎓ 24 V/7.5 A
- Dimensions: 87 x 21 x 9 mm
- Weight: 59 g



Full specifications can be found on our website www.monacor-international.de.

CU-1BT

Order No. 38.7550

Single-channel wireless LED controller

- For controlling unicoloured LED strips
- Protected against short circuit, overheating and overload
- Control possible via Bluetooth using an app for iOS or Android or via radio remote control CU-1BTT or CU-2BTT
- Free app available from the App Store
- Operating range: 15 m
- Power supply: ⎓ 12 V/7.5 A or ⎓ 24 V/7.5 A
- Dimensions: 87 x 21 x 9 mm
- Weight: 20 g

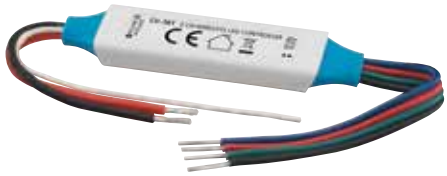


CU-3BT

Order No. 38.7560

3-channel wireless LED controller

- For controlling RGB LED strips
- Protected against short circuit, overheating and overload
- Control possible via Bluetooth using an app for iOS or Android or via radio remote control CU-1BTT or CU-2BTT
- Free app available from the App Store
- Operating range: 15 m
- Maximum load: 2.5 A per channel
- Power supply: ⎓ 12 V/7.5 A or ⎓ 24 V/7.5 A
- Dimensions: 87 x 21 x 9 mm
- Weight: 20 g



CU-4BT

Order No. 38.7570

4-channel wireless LED controller

- For controlling RGBW LED strips
- Protected against short circuit, overheating and overload
- Control possible via Bluetooth using an app for iOS or Android or via radio remote control CU-1BTT or CU-2BTT
- Free app available from the App Store
- Operating range: 15 m
- Maximum load: 1.85 A per channel
- Power supply: ⎓ 12 V/7.5 A or ⎓ 24 V/7.5 A
- Dimensions: 87 x 21 x 9 mm
- Weight: 59 g



CU-1BTT

Order No. 38.7580

Wall-mounted radio remote control

- Wireless LED controller CU-1BT, CU-3BT or CU-4BT is required for operation
- Multi-function button
- Transmission frequency: 433.92 MHz
- Operating range: 15 m
- Dimensions: 72 x 45 x 9 mm
- Weight: 20 g



CU-2BTT

Order No. 38.7590

Hand-held radio remote control

- Wireless LED controller CU-1BT, CU-3BT or CU-4BT is required for operation
- Multi-function button
- Transmission frequency: 433.92 MHz
- Operating range: 15 m
- Dimensions: 122 x 35 x 9 mm
- Weight: 25 g



CU-10T
Order No. 38.6550



Radio remote control
- LED controller CU-10R is required for operation
- 5 selection buttons for individual controllers/zones
- Multiple controllers possible in one zone
- Transmission frequency: 868 MHz
- Brightness control

Licence-free in the EU.

CU-10R
Order No. 38.6560



LED controller, for controlling up to 2 unicoloured LED strips.
- Radio remote control CU-10T is required for operation
- Carrier frequency: 868 MHz
- Easy assignment of the controllers via learn button
- Power supply: ⎓ 12-36 V, 10.5 A max.
- Maximum load: 5 A per channel
- Dimensions: 46 x 178 x 18 mm
- Weight: 98 g

CU-20T
Order No. 38.6570



Radio remote control
- LED controller CU-20R is required for operation
- 2 selection buttons for individual controllers/zones
- Multiple controllers possible in one zone
- Transmission frequency: 868 MHz
- 1 m USB connection cable and wall holder
- Integrated rechargeable lithium battery

Licence-free in the EU.

CU-20R
Order No. 38.6580



LED controller, for controlling RGB LED strips.
- Radio remote control CU-20T is required for operation
- Carrier frequency: 868 MHz
- Easy assignment of the controllers via learn button
- Power supply: ⎓ 12-36 V, 15.8 A max.
- Maximum load: 5 A per channel
- Dimensions: 46 x 178 x 18 mm
- Weight: 102 g

CU-30T
Order No. 38.6590



Radio remote control
- LED controller CU-30R is required for operation
- 4 selection buttons for individual controllers/zones
- Multiple controllers possible in one zone
- Transmission frequency: 434 MHz
- Wall holder
- 3 x 1.5 V battery AAA size (not supplied)

Licence-free in the EU.

CU-30R
Order No. 38.6600



LED controller, for controlling RGB LED strips.
- Radio remote control CU-30T is required for operation
- Carrier frequency: 434 MHz
- Easy assignment of the controllers via learn button
- Status LED
- Antenna integrated into the housing
- Power supply: ⎓ 12-36 V, 15.8 A max.
- Maximum load: 5 A per channel
- Dimensions: 46 x 178 x 18 mm
- Weight: 102 g

CU-40T
Order No. 38.6610



Radio remote control
- LED controller CU-40R is required for operation
- 10 selection buttons for individual controllers/zones
- Multiple controllers possible in one zone
- Transmission frequency: 868 MHz
- Supplied with wall holder
- Power supply via 3 x 1.5 V battery AAA size (not supplied)

Licence-free in the EU.

CU-40R
Order No. 38.6620



LED controller, for controlling RGB and RGBW LED strips.
- Radio remote control CU-40T is required for operation
- Carrier frequency: 868 MHz
- Easy assignment of the controllers via learn button
- Status LED
- Antenna integrated into the housing
- Power supply: ⎓ 12-36 V, 20.5 A max.
- Maximum load: 5 A per channel
- Dimensions: 46 x 178 x 18 mm
- Weight: 107 g

Full specifications can be found on our website www.monacor-international.de.

CU-100RGB

Order No. 38.6660



3-channel wireless LED controller, with radio remote control.

- For controlling RGB LEDs
- 3 separate control channels
- Transmission frequency: 2.4 GHz
- Automatic run of 20 colour programs
- Power supply: ⎓ 12 V/9 A or ⎓ 24 V/9 A
- Maximum load: 3 A per channel
- Dimensions: 85 x 45 x 23 mm
- Weight: 46 g

Licence-free in the EU.

LC-10T

Order No. 38.6530



Wireless wall dimmer, for controlling unicoloured LED strips.

- LED controller LC-10R is required for operation
- Transmission frequency: 868 MHz
- Brightness control
- On/off button
- Black glass front panel
- Power supply via 3 V button cell
- Suitable for flush-mounted sockets, device screw spacing: 60 mm
- Dimensions: 86 x 86 x 41 mm
- Weight: 123 g

Licence-free in the EU.

LS-10TS

Order No. 38.6630



Touch sensor, for LED strips.

- Status LED
- Memory function
- On/off at the touch of a button
- Power supply: ⎓ 12-36 V, 5 A max.
- Maximum load: 5 A per channel
- Dimensions: 33 x 82 x 20 mm
- Weight: 38 g

LC-10T/WS

Order No. 38.8050



Wireless wall dimmer, for controlling unicoloured LED strips.

- LED controller LC-10R is required for operation
- Transmission frequency: 868 MHz
- Brightness control
- On/off button
- White glass front panel
- Power supply via 3 V button cell
- Suitable for flush-mounted sockets, device screw spacing: 60 mm
- Dimensions: 86 x 86 x 41 mm
- Weight: 123 g

Licence-free in the EU.

MSN-1

Order No. 38.8000

LED



LED sensor night light/flashlight

- LED night light with motion sensor and twilight sensor
- Flashlight with 8 LEDs
- Built-in rech. battery, 600 mAh, non-removable
- Operating time of rech. battery: ≥ 8 hours
- Induction charging of flashlight via charging station with 230 V Euro plug
- Emergency lighting function: light switches on automatically in case of power failure

LC-10R

Order No. 38.6540



LED controller, for controlling up to 4 unicoloured LED strips.

- Wireless wall dimmer LC-10T is required for operation
- Carrier frequency: 868 MHz
- Easy assignment of the controllers via learn button
- Antenna integrated into the housing
- Power supply: ⎓ 12-36 V, 20.5 A max.
- Maximum load: 5 A per channel
- Dimensions: 46 x 178 x 18 mm
- Weight: 107 g

CU-6DMX

Order No. 38.6240

6-channel RGBW LED controller with DMX interface, for 12 V or 24 V LEDs, with infrared remote control.

- For controlling LED strips, e.g. 2 x RGB (IR/DMX) or 1 x RGBW and 2 individual colours or 6 individual colours (DMX)
- DMX input and parallel DMX output via 3-pole XLR connectors or RJ45 jacks
- 6 DMX control channels
- Infrared remote control with operating buttons for mode, program speed, brightness, pause, 7 buttons for individual colours (red, green, blue, yellow, cyan, pink and white) and different colour changing programs
- DMX addressing via DIP switches
- Screw terminals for connecting LEDs and power supply
- Robust metal housing, black
- Power supply: ⎓ 12 V/10 A or ⎓ 24 V/10 A max.
- Dimensions: 140 x 40 x 90 mm
- Weight: 306 g



CU-4DMX

Order No. 38.5230

4-channel RGBW LED controller with DMX interface, for 12 V or 24 V LEDs, with infrared remote control.

- For controlling red, green, blue and white LEDs, e.g. LED strips LEDS-5HP/RGBW
- DMX input and parallel DMX output via supplied connection cable with 3-pole XLR connectors
- 4 DMX control channels: channel 1: red, channel 2: green, channel 3: blue, channel 4: white
- Infrared remote control with operating buttons for mode, program speed, brightness, pause, 7 buttons for individual colours (red, green, blue, yellow, cyan, pink and white) and different colour changing programs
- DMX addressing via DIP switches
- Screw terminals for connecting LEDs and power supply
- Robust metal housing, black
- Power supply: ⎓ 12 V/10 A or ⎓ 24 V/10 A
- Maximum load: 5 A per channel
- Dimensions: 125 x 30 x 45 mm
- Weight: 268 g



CPL-3DMX

Order No. 38.3910

3-channel RGB LED controller with DMX interface, for 12 V or 24 V LEDs.

- For controlling red, green and blue LEDs
- DMX input and parallel DMX output via 3-pole XLR connectors
- 4 DMX control functions: channel 1: red, channel 2: green, channel 3: blue, channel 4: dimmer/strobe
- Master/slave mode when using several interconnected devices
- Integrated microphone for music-controlled run of the internal programs in master/slave mode
- Processor-controlled colour change
- Controllable via remote control LC-3 or controllers LED-4C, LED-8C, available at option
- DMX addressing via DIP switches or automatically
- Screw terminals for connecting LEDs and power supply
- Robust metal housing, black
- Standby current: 110 mA
- Power supply: ⎓ 12 V/4.5 A or ⎓ 24 V/4.5 A
- Maximum load: 1.5 A per channel
- Dimensions: 193 x 40 x 72 mm
- Weight: 460 g



CU-4BOOST

Order No. 38.6520

Repeater (LED booster) for RGBW LED controller

- Signal inputs via plug-in screw terminals
- Outputs via plug-in screw terminals
- Output current: 11 A max. per channel, total: 44 A max.
- Power supply: ⎓ 12-24 V/44 A via 1 m cable (6 mm^2)
- Dimensions: 106 x 38 x 128 mm
- Weight: 620 g



Full specifications can be found on our website www.monacor-international.de.

LDFS-100/WS

Order No. 05.0235

LED IP65

LED floodlight, ~ 230 V/100 W

- Suitable for outdoor applications, IP65
- Beam angle: 100°
- Mounting bracket

Model	LDFS-100/WS
Power rating	100 W
Luminous colour	cool white
Colour temperature	5,000 K
Luminous flux	8,300 lm
Energy efficiency class	A+
Dimmable	no
Beam angle	100°
Colour rendering index (Ra)	> 80
Power supply	~ 230 V/435 mA/100 W
Power consumption, operation	100 W
Current consumption	435 mA
Dimensions	293 x 232 x 41 mm



LDFS-30/WS

Order No. 05.0236

LED IP65

LED floodlight, ~ 230 V/30 W

- Suitable for outdoor applications, IP65
- Beam angle: 100°
- Mounting bracket

Model	LDFS-30/WS
Power rating	30 W
Luminous colour	cool white
Colour temperature	5,000 K
Luminous flux	2,500 lm
Energy efficiency class	A+
Dimmable	no
Beam angle	100°
Colour rendering index (Ra)	> 80
Power supply	~ 230 V/130 mA/30 W
Power consumption, operation	30 W
Current consumption	130 mA
Dimensions	217 x 174 x 35 mm



LDFSS-20/WWS

Order No. 05.0237

LED IP65

LED floodlight, ~ 230 V/20 W

- With motion sensor
- Suitable for outdoor applications, IP65
- Beam angle: 100°
- Mounting bracket

Model	LDFSS-20/WWS
Power rating	20 W
Luminous colour	warm white
Colour temperature	3,000 K
Luminous flux	1,400 lm
Energy efficiency class	A+
Dimmable	no
Beam angle	100°
Colour rendering index (Ra)	> 80
Power supply	~ 230 V/130 mA/20 W
Power consumption, operation	20 W
Current consumption	87 mA
Dimensions	181 x 148 x 34 mm



LDFS-10/WWS

Order No. 05.0222

LED IP65 NEW

LED floodlight, ~ 230 V/10 W

- Suitable for outdoor applications, IP65
- Beam angle: 100°
- Mounting bracket

Model	LDFS-10/WWS
Power rating	10 W
Luminous colour	warm white
Colour temperature	3,000 K
Luminous flux	750 lm
Energy efficiency class	A+
Dimmable	no
Beam angle	100°
Colour rendering index (Ra)	> 80
Power supply	~ 230 V/45 mA/10 W
Power consumption, operation	10 W
Current consumption	45 mA
Dimensions	135 x 114 x 29 mm



LEDP-1260RGB

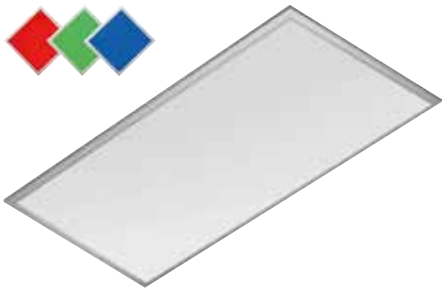
Order No. 05.0219

LED NEW

LED panel

- ⎓ 24 V/ 48 W
- 1,195 x 10 x 295 mm
- Surface-mounted frame, flush-mounted frame, mounting set, power supply and controller available at option
- Aluminium frame
- 3 m connection cable

Model	LEDP-1260RGB
Power rating	48 W
Luminous colour	red/green/blue
Luminous flux	950-1,050 lm
Energy efficiency class	A+
Fitted with	216 x SMD 5050 RGB
Dimmable	yes
Beam angle	120°
Power supply	via optional power supply
Power consumption, operation	48 W
Current consumption	2 A
Dimensions	1,195 x 10 x 595 mm



LEDP-1230RGB

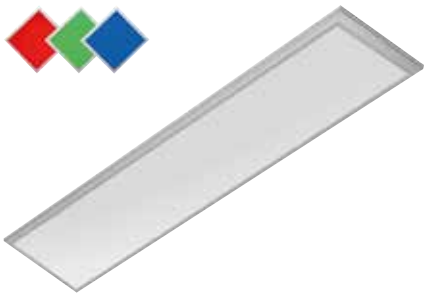
Order No. 05.0218

LED NEW

LED panel

- ⎓ 24 V/ 48 W
- 1,195 x 10 x 295 mm
- Surface-mounted frame, flush-mounted frame, mounting set, power supply and controller available at option
- Aluminium frame
- 3 m connection cable

Model	LEDP-1230RGB
Power rating	48 W
Luminous colour	red/green/blue
Luminous flux	950-1,050 lm
Energy efficiency class	A+
Fitted with	216 x SMD 5050 RGB
Dimmable	yes
Beam angle	120°
Power supply	via optional power supply
Power consumption, operation	48 W
Current consumption	2 A
Dimensions	1,195 x 10 x 295 mm



LEDP-620RGB

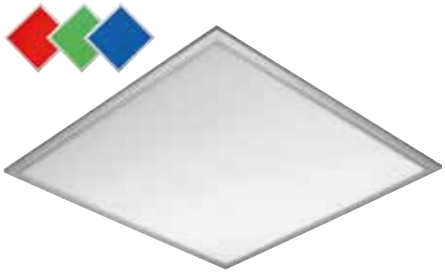
Order No. 05.0217

LED NEW

LED panel

- ⎓ 24 V/ 48 W
- 615 x 10 x 615 mm
- Surface-mounted frame, flush-mounted frame, mounting set, power supply and controller available at option
- Aluminium frame
- 3 m connection cable

Model	LEDP-620RGB
Power rating	48 W
Luminous colour	red/green/blue
Luminous flux	950-1,050 lm
Energy efficiency class	A+
Fitted with	216 x SMD 5050 RGB
Dimmable	yes
Beam angle	120°
Power supply	via optional power supply
Power consumption, operation	48 W
Current consumption	2 A
Dimensions	615 x 10 x 615 mm



LEDP-600RGB

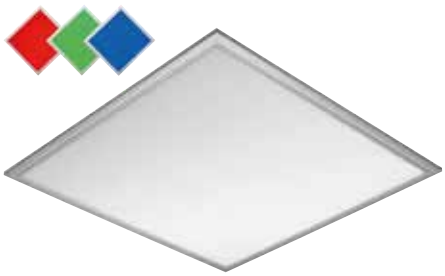
Order No. 05.0216

LED NEW

LED panel

- ⎓ 24 V/ 48 W
- 595 x 10 x 595 mm
- Surface-mounted frame, flush-mounted frame, mounting set, power supply and controller available at option
- Aluminium frame
- 3 m connection cable

Model	LEDP-600RGB
Power rating	48 W
Luminous colour	red/green/blue
Luminous flux	950-1,050 lm
Energy efficiency class	A+
Fitted with	216 x SMD 5050 RGB
Dimmable	yes
Beam angle	120°
Power supply	via optional power supply
Power consumption, operation	48 W
Current consumption	2 A
Dimensions	595 x 10 x 595 mm



LEDP-300RGB

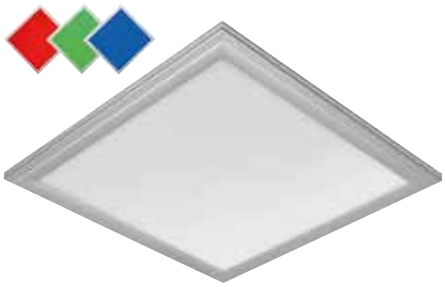
Order No. 05.0215

LED NEW

LED panel

- ⎓ 24 V/ 12 W
- 295 x 10 x 295 mm
- Surface-mounted frame, flush-mounted frame, mounting set, power supply and controller available at option
- Aluminium frame
- 3 m connection cable

Model	LEDP-300RGB
Power rating	12 W
Luminous colour	red/green/blue
Luminous flux	230-240 lm
Energy efficiency class	A+
Fitted with	48 x SMD 5050 RGB
Dimmable	yes
Beam angle	120°
Power supply	via optional power supply
Power consumption, operation	12 W
Current consumption	0.5 A
Dimensions	295 x 10 x 295 mm



LEDPR-610/WS

Order No. 05.0238

LED IP20 NEW

LEDPR-610/WWS

Order No. 05.0239

LED IP20 NEW

LED panels, 50 W, 4,800 lm (WS) or 4,450 lm (WWS)

- Light output upwards (30%) and downwards (70%)
- Super slimline design

Model	LEDPR-610/WS	LEDPR-610/WWS
Power rating	50 W	50 W
Luminous colour	white	warm white
Colour temperature	4,000 K	3,000 K
Luminous flux	4,800 lm	4,450 lm
Energy efficiency class	A+	A+
Dimmable	no	no
Beam angle	110°	110°
Power supply	~ 230 V/650 mA/26 W	~ 230 V/650 mA/26 W
Current consumption	1,050 mA	1,050 mA
Dimensions	Ø 610 mm x 11 mm	Ø 610 mm x 11 mm



LEDP-1260DCTW

Order No. 05.0709

LED 2700K 6300K

LED panel

- 60 W; 5,700 lm
- 595 x 10 x 1,195 mm
- Dimmable
- Power is provided via enclosed power supply
- Surface-mounted frame, flush-mounted frame, mounting set, power supply and controller available at option

Model	LEDP-1260DCTW
Power rating	60 W
Luminous colour	warm white to cool white
Colour temperature	2,700-6,300 K
Luminous flux	5,700 lm
Energy efficiency class	A+
Fitted with	384 x SMD 2835
Dimmable	yes
Beam angle	120°
Power supply	via encl. power supply
Dimensions	595 x 10 x 1,195 mm



LEDP-1230DCTW

Order No. 05.0707

LED 2700K 6300K

LED panel

- 36 W; 3,300 lm
- 295 x 10 x 1,195 mm
- Dimmable
- Power is provided via enclosed power supply
- Surface-mounted frame, flush-mounted frame, mounting set, power supply and controller available at option

Model	LEDP-1230DCTW
Power rating	36 W
Luminous colour	warm white to cool white
Colour temperature	2,700-6,300 K
Luminous flux	3,300 lm
Energy efficiency class	A+
Fitted with	384 x SMD 2835
Dimmable	yes
Beam angle	120°
Power supply	via encl. power supply
Dimensions	295 x 10 x 1195 mm



LEDP-620DCTW

Order No. 05.0705

LED 2700K 6300K

LED panel

- 36 W; 3,350 lm
- 620 x 10 x 620 mm
- Dimmable
- Power is provided via enclosed power supply
- Surface-mounted frame, flush-mounted frame, mounting set, power supply and controller available at option

Model	LEDP-620DCTW
Power rating	36 W
Luminous colour	warm white to cool white
Colour temperature	2,700-6,300 K
Luminous flux	3,350 lm
Energy efficiency class	A+
Fitted with	384 x SMD 2835
Dimmable	yes
Beam angle	120°
Power supply	via encl. power supply
Dimensions	620 x 10 x 620 mm



LEDP-620/NWS

Order No. 05.1307

LED

LED panel

- 40 W, 4,250 lm
- 622 x 10 x 622 mm
- Power is provided via enclosed power supply
- Suitable for integrating into lighting systems complying with EN 12464 and EN 12665 (DIN 5035)

Model	LEDP-620/NWS
Power rating	40 W
Luminous colour	neutral white
Colour temperature	4,000 K
Luminous flux	4,250 lm
Energy efficiency class	A+
Dimmable	no
Beam angle	120°
Power supply	~ 230 V/42 mA/9 W
Power consumption, operation	40 W
Current consumption	700 mA
Dimensions	622 x 10 x 622 mm



LEDP-600DCTW

Order No. 05.0703

LED 2700K 6300K

LED panel

- 36 W; 3,200 lm
- 595 x 10 x 595 mm
- Dimmable
- Power is provided via enclosed power supply
- Surface-mounted frame, flush-mounted frame, mounting set, power supply and controller available at option

Model	LEDP-600DCTW
Power rating	36 W
Luminous colour	warm white to cool white
Colour temperature	2,700-6,300 K
Luminous flux	3,200 lm
Energy efficiency class	A+
Fitted with	192 x SMD 2835
Dimmable	yes
Beam angle	120°
Power supply	via encl. power supply
Dimensions	595 x 10 x 595 mm



LEDP-300DCTW

Order No. 05.0701

LED 2700K 6300K

LED panel

- 20 W; 1,790 lm
- 295 x 10 x 295 mm
- Dimmable
- Power is provided via enclosed power supply
- Surface-mounted frame, flush-mounted frame, mounting set, power supply and controller available at option

Model	LEDP-300DCTW
Power rating	20 W
Luminous colour	warm white to cool white
Colour temperature	2,700-6,300 K
Luminous flux	1,790 lm
Energy efficiency class	A+
Fitted with	192 x SMD 2835
Dimmable	yes
Beam angle	120°
Power supply	via encl. power supply
Dimensions	295 x 10 x 295 mm



LEDP-99RC

Order No. 05.0712



Radio remote control, for LED panels LEDP-300DCTW, LEDP-600DCTW, LEDP-620DCTW, LEDP-1230DCTW and LEDP-1260DCTW

- For controlling colour temperature and brightness
- Nightlight mode
- Transmission frequency: 2.4 GHz
- Operating range: 20 m
- Up to 99 groups of lights can be controlled, unlimited number of lights within the group
- Power supply via 2 batteries AAA size (not supplied)

Licence-free in the EU.

LEDP-2RCW

Order No. 05.0711



Radio remote control, for LED panels LEDP-300DCTW, LEDP-600DCTW, LEDP-620DCTW, LEDP-1230DCTW and LEDP-1260DCTW.

- For controlling colour temperature and brightness
- Transmission frequency: 2.4 GHz
- Operating range: 20 m
- Up to 6 groups of lights can be controlled, unlimited number of lights within the group
- Power supply via integrated rechargeable lithium battery, to be charged via micro USB port

Licence-free in the EU.

Frames, for the LEDP-...DCTW-... and LEDP-...RGB series.



Model	Order No.	Colour	Material	Dimensions
LEDP-300F	05.0702	silver	aluminium	300 x 300 x 50 mm
LEDP-600F	05.0704	silver	aluminium	600 x 600 x 50 mm
LEDP-620F	05.0706	silver	aluminium	625 x 625 x 50 mm
LEDP-1230F	05.0708	silver	aluminium	1,200 x 300 x 50 mm
LEDP-1260F	05.0710	silver	aluminium	1,200 x 600 x 50 mm

Mounting frames, for the LEDP-...DCTW-... and LEDP-...RGB series.



Model	Order No.	Colour	Material	Dimensions	Mounting dimensions
LEDP-300RF	05.0715	white	aluminium	330 x 330 x 40 mm	310 x 310 x 38 mm
LEDP-600RF	05.0716	white	aluminium	630 x 630 x 40 mm	610 x 610 x 38 mm
LEDP-620RF	05.0717	white	aluminium	655 x 655 x 40 mm	635 x 635 x 38 mm
LEDP-1230RF	05.0718	white	aluminium	1,230 x 330 x 40 mm	1,210 x 310 x 38 mm
LEDP-1260RF	05.0719	white	aluminium	1,230 x 630 x 40 mm	1,210 x 610 x 38 mm

LEDP-4SP

Order No. 05.0713



Mounting set

- For wall mounting and ceiling suspension of LED panels LEDP-300DCTW, LEDP-600DCTW, LEDP-620DCTW, LEDP-1230DCTW and LEDP-1260DCTW
- 4 stainless steel ropes, 4 wire rope fasteners (panel), 4 wire rope fasteners (ceiling), 4 stoppers, 4 screws and 4 dowels
- Rope length: 1.2 m
- Adjustable angle and length

Full specifications can be found on our website www.monacor-international.de.

LEDT-060V/WS

Order No. 38.7770

LEDT-060V/NWS

Order No. 38.7760

LED tubes, T8, 9 W, 60 cm

As a replacement for standard flourescent tubes with starter.

- Long life with low power consumption and low heat generation
- Instant start tube
- Eco-friendly and health-friendly (energy-saving, mercury-free, no UV radiation or infrared radiation, no flickering)
- Available in daylight (WS) and neutral white (NWS)
- Matt-finished tube housing with special polyethylene coating and shatter protection
- Supplied with starter bridge
- Suitable for integrating into lighting systems complying with EN 12464 and EN 12665 (DIN 5035)

The existing starter must be replaced with the supplied starter bridge.
For lights with conventional ballast (KVG) or low-loss ballast (VVG).

Model	LEDT-060V/WS	LEDT-060V/NWS
Power rating	9 W	9 W
Luminous colour	cool white	neutral white
Colour temperature	6,500 K	4,000 K
Luminous flux	1,050 lm	1,050 lm
Energy efficiency class	A+	A+
Dimmable	no	no
Beam angle	270°	270°
Colour rendering index (Ra)	> 80	> 80
Base	G13	G13
Power supply	~ 230 V/42 mA/9 W	~ 230 V/42 mA/9 W
Current consumption	42 mA	42 mA
Dimensions	Ø 28 mm x 600 mm	Ø 28 mm x 600 mm



LEDT-120V/WS

Order No. 38.7790

LEDT-120V/NWS

Order No. 38.7780

LED tubes, T8, 18 W, 120 cm

As a replacement for standard flourescent tubes with starter.

- Long life with low power consumption and low heat generation
- Instant start tube
- Eco-friendly and health-friendly (energy-saving, mercury-free, no UV radiation or infrared radiation, no flickering)
- Available in daylight (WS) and neutral white (NWS)
- Matt-finished tube housing with special polyethylene coating and shatter protection
- Supplied with starter bridge
- Suitable for integrating into lighting systems complying with EN 12464 and EN 12665 (DIN 5035)

The existing starter must be replaced with the supplied starter bridge.
For lights with conventional ballast (KVG) or low-loss ballast (VVG).

Model	LEDT-120V/WS	LEDT-120V/NWS
Power rating	18 W	18 W
Luminous colour	daylight	neutral white
Colour temperature	6,500 K	4,000 K
Luminous flux	1,900 lm	1,900 lm
Energy efficiency class	A+	A+
Dimmable	no	no
Beam angle	270°	270°
Colour rendering index (Ra)	> 80	> 80
Base	G13	G13
Power supply	~ 230 V/82 mA/18 W	~ 230 V/82 mA/18 W
Energy consumption/1,000 h	18 kWh	18 kWh
Dimensions	Ø 28 mm x 1,200 mm	Ø 28 mm x 1,200 mm



LEDT-150V/WS

Order No. 38.7810

LEDT-150V/NWS

Order No. 38.7800

LED tubes, T8, 24 W, 150 cm

As a replacement for standard flourescent tubes with starter.

- Long life with low power consumption and low heat generation
- Instant start tube
- Eco-friendly and health-friendly (energy-saving, mercury-free, no UV radiation or infrared radiation, no flickering)
- Available in daylight (WS) and neutral white (NWS)
- Matt-finished tube housing with special polyethylene coating and shatter protection
- Supplied with starter bridge
- Suitable for integrating into lighting systems complying with EN 12464 and EN 12665 (DIN 5035)

The existing starter must be replaced with the supplied starter bridge.
For lights with conventional ballast (KVG) or low-loss ballast (VVG).

Model	LEDT-150V/WS	LEDT-150V/NWS
Power rating	24 W	24 W
Luminous colour	daylight	neutral white
Colour temperature	6,500 K	4,000 K
Luminous flux	2,800 lm	2,650 lm
Energy efficiency class	A+	A+
Dimmable	no	no
Beam angle	270°	270°
Colour rendering index (Ra)	> 80	> 80
Base	G13	G13
Power supply	~ 230 V/54 mA/24 W	~ 230 V/54 mA/24 W
Energy consumption/1,000 h	24 kWh	24 kWh
Dimensions	Ø 28 mm x 1,500 mm	Ø 28 mm x 1,500 mm



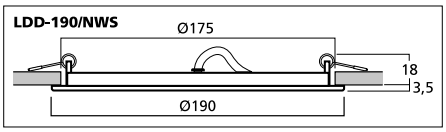
LDD-190/NWS

Order No. 05.1422

LED downlight, 16 W, 1,070 lm

- Super slimline design, min. mounting depth: 14 mm
- Beam angle: 110°
- White aluminium housing with protective front cover (plastic)
- For installations in ceiling cutouts: Ø 175 mm
- Qick-mounting facility with lateral spring clips
- Including 230 V LED switch-mode power supply
- Not dimmable

Model	LDD-190/NWS
Power rating	16 W
Luminous colour	neutral white
Colour temperature	4,000 K
Luminous flux	1,070 lm
Energy efficiency class	A+
Dimmable	no
Beam angle	110°
Colour rendering index (Ra)	> 80
Power supply	~ 230 V/300 mA/16 W





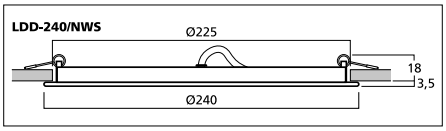
LDD-240/NWS

Order No. 05.1423

LED downlight, 26 W, 2,020 lm

- Super slimline design, min. mounting depth: 14 mm
- Beam angle: 110°
- White aluminium housing with protective front cover (plastic)
- For installations in ceiling cutouts: Ø 225 mm
- Qick-mounting facility with lateral spring clips
- Including 230 V LED switch-mode power supply
- Not dimmable

Model	LDD-240/NWS
Power rating	26 W
Luminous colour	neutral white
Colour temperature	4,000 K
Luminous flux	2,020 lm
Energy efficiency class	A+
Dimmable	no
Beam angle	110°
Colour rendering index (Ra)	> 80
Power supply	~ 230 V/650 mA/26 W





LDD2-14/NWS

Order No. 02.1562

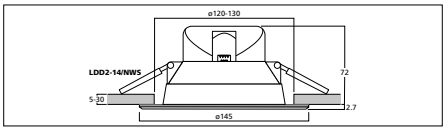
LDD2-14/WWS

Order No. 02.1563

LED downlights, 14 W

- Neutral white (NWS) or warm white (WWS)
- Beam angle: 90°
- White plastic housing with protective front cover
- For installation into ceiling cutouts: Ø 120-130 mm
- For a ceiling thickness from 5 to 30 mm
- Quick mounting facility
- Can be connected directly to the 230 V mains
- Not dimmable

Model	LDD2-14/NWS	LDD2-14/WWS
Power rating	14 W	14 W
Luminous colour	neutral white	warm white
Colour temperature	4,000 K	3,000 K
Luminous flux	1,220 lm	1,070 lm
Dimmable	no	no
Beam angle	90°	90°
Colour rendering index (Ra)	> 80	> 80
Power supply	~ 230 V/50 Hz/100 mA/14 W	~ 230 V/50 Hz/100 mA/14 W





LDD-17/NWS

Order No. 02.1560

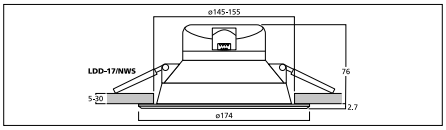
LDD-17/WWS

Order No. 02.1561

LED downlights, 17 W

- Neutral white (NWS) or warm white (WWS)
- Beam angle: 90°
- White plastic housing with protective front cover
- For installation in ceiling cutouts: Ø 145-155 mm
- For a ceiling thickness from 5 to 30 mm
- Quick mounting facility
- Can be connected directly to the 230 V mains
- Not dimmable

Model	LDD-17/NWS	LDD-17/WWS
Power rating	17 W	17 W
Luminous colour	neutral white	warm white
Colour temperature	4,000 K	3,000 K
Luminous flux	1,500 lm	1,280 lm
Dimmable	no	no
Beam angle	90°	90°
Colour rendering index (Ra)	> 80	> 80
Power supply	~ 230 V/50 Hz/130 mA/17 W	~ 230 V/50 Hz/130 mA/17 W





Full specifications can be found on our website www.monacor-international.de.

LDSR-655D/WWS

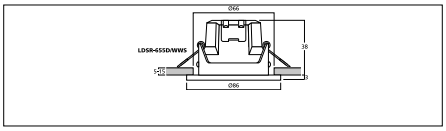
LED NEW

Order No. 05.0113

Flush-mounted LED spotlights, round and flat, 5.5 W

- Beam angle: 38°
- Supplied with 1 black, white and grey interchangeable ring each
- For installations in ceiling cutouts: Ø 66 mm
- For a ceiling thickness from 5 to 15 mm
- Quick-mounting facility
- Built-in switch-mode power supply
- Dimmable

Model	LDSR-655D/WWS
Power rating	5.5 W
Luminous colour	warm white
Colour temperature	2,700 K
Luminous flux	345 lm
Energy efficiency class	A+
Dimmable	yes
Beam angle	38°
Colour rendering index (Ra)	> 80
Power supply	~ 230 V/100 mA/5.5 W
Energy consumption/1,000 h	5.5 kWh





LDSC-755W/WWS

LED

Order No. 05.0194

LDSC-755C/WWS

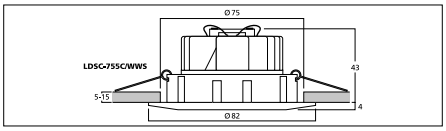
LED

Order No. 05.0193

Flush-mounted LED spotlights, round and convex, 5 W, with the latest chip-on-board (COB) technology.

- Beam angle: 24°
- White (W) or chromium-plated (C) aluminium housing with protective front cover (glass)
- For installations in ceiling cutouts: Ø 75 mm
- For a ceiling thickness from 5 to 15 mm
- Quick mounting facility
- Including 230 V LED switch-mode power supply
- Not dimmable

Model	LDSC-755W/WWS	LDSC-755C/WWS
Power rating	5 W	5 W
Luminous colour	warm white	warm white
Colour temperature	3,000 K	3,000 K
Luminous flux	400 lm	400 lm
Energy efficiency class	A+	A+
Dimmable	no	no
Beam angle	24°	24°
Colour rendering index (Ra)	> 80	> 80
Power supply	~ 230 V/30 mA/5 W	~ 230 V/30 mA/5 W
Energy consumption/1,000 h	5.5 kWh	5.5 kWh





LDSQ-755W/WWS

LED

Order No. 05.0198

LDSQ-755C/WWS

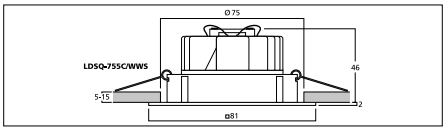
LED

Order No. 05.0197

Flush-mounted LED spotlights, square, 5 W, with the latest chip-on-board (COB) technology.

- Beam angle: 24°
- White (W) or chromium-plated (C) aluminium housing with protective front cover (glass)
- For installations in ceiling cutouts: Ø 75 mm
- For a ceiling thickness from 5 to 15 mm
- Quick mounting facility
- Including 230 V LED switch-mode power supply
- Not dimmable

Model	LDSQ-755W/WWS	LDSQ-755C/WWS
Power rating	5 W	5 W
Luminous colour	warm white	warm white
Colour temperature	3,000 K	3,000 K
Luminous flux	400 lm	400 lm
Energy efficiency class	A+	A+
Dimmable	no	no
Beam angle	24°	24°
Colour rendering index (Ra)	> 80	> 80
Power supply	~ 230 V/30 mA/5 W	~ 230 V/30 mA/5 W
Energy consumption/1,000 h	5.5 kWh	5.5 kWh





LDSR-755W/WWS

LED

Order No. 05.0196

LDSR-755C/WWS

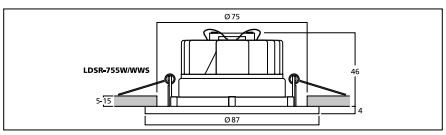
LED

Order No. 05.0195

Flush-mounted LED spotlights, round and flat, 5 W, with the latest chip-on-board (COB) technology.

- Beam angle: 24°
- White (W) or chromium-plated (C) aluminium housing with protective front cover (glass)
- For installations in ceiling cutouts: Ø 75 mm
- For a ceiling thickness from 5 to 15 mm
- Quick-mounting facility
- Including 230 V LED switch-mode power supply
- Not dimmable

Model	LDSR-755W/WWS	LDSR-755C/WWS
Power rating	5 W	5 W
Luminous colour	warm white	warm white
Colour temperature	3,000 K	3,000 K
Luminous flux	400 lm	400 lm
Energy efficiency class	A+	A+
Dimmable	no	no
Beam angle	24°	24°
Colour rendering index (Ra)	> 80	> 80
Power supply	~ 230 V/30 mA/5 W	~ 230 V/30 mA/5 W
Energy consumption/1,000 h	5.5 kWh/1,000 h	5.5 kWh/1,000 h





LDB-2714/WWS

Order No. 02.1620

LED 14 W ≙ 100 W

LED lamp, E27, ~ 230 V/14 W

- As an energy-saving replacement for standard incandescent lamps
- Not dimmable

Model	LDB-2714/WWS
Power rating	14 W
Luminous colour	warm white
Colour temperature	2,700 K
Luminous flux	1,521 lm
Energy efficiency class	A+
Dimmable	no
Beam angle	240°
Colour rendering index (Ra)	> 80
Base	E27
Power supply	~ 230 V/50 Hz/14 W
Energy consumption/1,000 h	14 kWh
Dimensions	Ø 60 mm x 116 mm



LDB-2711D/WWS

Order No. 02.1410

LED 11 W ≙ 75 W

LED lamp, E27, ~ 230 V/11 W

- As an energy-saving replacement for standard incandescent lamps
- Dimmable

Model	LDB-2711D/WWS
Power rating	11 W
Luminous colour	warm white
Colour temperature	2,700 K
Luminous flux	1,055 lm
Energy efficiency class	A+
Dimmable	yes
Beam angle	240°
Colour rendering index (Ra)	> 80
Base	E27
Power supply	~ 230 V/50 Hz/11 W
Energy consumption/1,000 h	11 kWh
Dimensions	Ø 60 mm x 110 mm



LDB2-2710/WWS

Order No. 02.1360

LED 10.5 W ≙ 60 W

LED lamp, E27, ~ 230 V/10.5 W

- As an energy-saving replacement for standard incandescent lamps
- Not dimmable

Model	LDB2-2710/WWS
Power rating	10.5 W
Luminous colour	warm white
Colour temperature	2,700 K
Luminous flux	806 lm
Energy efficiency class	A+
Dimmable	no
Beam angle	240°
Colour rendering index (Ra)	> 80
Base	E27
Power supply	~ 230 V/76 mA/10.5 W
Energy consumption/1,000 h	11 kWh
Dimensions	Ø 60 mm x 108 mm



LDB2-276/WWS

Order No. 02.1400

LED 5.8 W ≙ 40 W

LED lamp, E27, ~ 230 V/5.8 W

- As an energy-saving replacement for standard incandescent lamps
- Beam angle: 240°
- Not dimmable

Model	LDB2-276/WWS
Power rating	5.8 W
Luminous colour	warm white
Colour temperature	2,700 K
Luminous flux	470 lm
Energy efficiency class	A+
Dimmable	no
Beam angle	240°
Colour rendering index (Ra)	> 80
Base	E27
Power supply	~ 230 V/56 mA/5.8 W
Energy consumption/1,000 h	6 kWh
Dimensions	Ø 60 mm x 108 mm



LDL-279D/WWS

Order No. 02.1510

LED 9 W ≙ 50 W

R63 LED reflector lamp, E27, ~ 230 V/9 W

- As an energy-saving replacement for standard incandescent lamps
- Reflector: Ø 63 mm
- Dimmable

Model	LDL-279D/WWS
Power rating	9 W
Luminous colour	warm white
Colour temperature	2,700 K
Luminous flux	700 lm
Energy efficiency class	A+
Dimmable	yes
Beam angle	120°
Colour rendering index (Ra)	> 80
Base	E27
Power supply	~ 230 V/70 mA/9 W
Energy consumption/1,000 h	9 kWh
Dimensions	Ø 63 mm x 100 mm



Full specifications can be found on our website www.monacor-international.de.

LDB-276DG/WWS

Order No. 02.1520

LED 6W≙ 55W

LED filament lamp, E27, ~ 230 V/6 W

- As an energy-saving replacement for standard incandescent lamps
- Real glass bulb, clear
- Beam angle: 300°
- Dimmable

Model	LDB-276DG/WWS
Power rating	6 W
Luminous colour	warm white
Colour temperature	2,700 K
Luminous flux	750 lm
Energy efficiency class	A++
Dimmable	yes
Beam angle	300°
Colour rendering index (Ra)	> 80
Base	E27
Power supply	~ 230 V/44 mA/6 W
Energy consumption/1,000 h	6 kWh
Dimensions	Ø 60 mm x 108 mm



LDB2-274G/WWS

Order No. 02.1570

LED 4W≙ 25W

LED filament lamp, E27, ~ 230 V/4 W

- As an energy-saving replacement for standard incandescent lamps, e.g. in bars, restaurants and hotels
- Real glass bulb, clear
- Beam angle: 300°
- Not dimmable

Model	LDB2-274G/WWS
Power rating	4 W
Luminous colour	warm white
Colour temperature	2,700 K
Luminous flux	450 lm
Energy efficiency class	A++
Dimmable	no
Beam angle	300°
Colour rendering index (Ra)	> 80
Base	E27
Power supply	~ 230 V/33 mA/4 W
Energy consumption/1,000 h	4 kWh
Dimensions	Ø 60 mm x 108 mm



LDB2-272G/WWS

Order No. 02.1390

LED 2W≙ 15W

LED filament lamp, E27, ~ 230 V/2 W

- As an energy-saving replacement for standard incandescent lamps
- Real glass bulb, clear
- Beam angle: 300°
- Not dimmable

Model	LDB2-272G/WWS
Power rating	2 W
Luminous colour	warm white
Colour temperature	2,700 K
Luminous flux	210 lm
Energy efficiency class	A++
Dimmable	no
Beam angle	300°
Colour rendering index (Ra)	> 80
Base	E27
Power supply	~ 230 V/14 mA/2 W
Energy consumption/1,000 h	2 kWh
Dimensions	Ø 45 mm x 72 mm



LDB2-276D/WWS

Order No. 02.1580

LED 5,5W≙ 40W

Drop-shaped LED lamp, E27, ~ 230 V/5.5 W

- As an energy-saving replacement for standard incandescent lamps
- Dimmable

Model	LDB2-276D/WWS
Power rating	5.5 W
Luminous colour	warm white
Colour temperature	2,700 K
Luminous flux	470 lm
Energy efficiency class	A+
Dimmable	yes
Beam angle	200°
Colour rendering index (Ra)	> 80
Base	E27
Power supply	~ 230 V/38 mA/5.5 W
Energy consumption/1,000 h	6 kWh
Dimensions	Ø 45 mm x 75.5 mm



LDB-273/WWS

Order No. 02.1550

LED 3W≙ 25W

Drop-shaped LED lamp, E27, ~ 230 V/3 W

- As an energy-saving replacement for standard incandescent lamps
- Beam angle: 180°
- Not dimmable

Model	LDB-273/WWS
Power rating	3 W
Luminous colour	warm white
Colour temperature	2,700 K
Luminous flux	250 lm
Energy efficiency class	A+
Dimmable	no
Beam angle	180°
Colour rendering index (Ra)	> 80
Base	E27
Power supply	~ 230 V/26 mA/3 W
Energy consumption/1,000 h	3 kWh
Dimensions	Ø 45 mm x 74 mm



LDL-146D/WWS

Order No. 02.1500

LED 6W≙35W

R50 LED reflector lamp, E14, ~ 230 V/6 W

- As an energy-saving replacement for standard incandescent lamps
- Reflector: Ø 50 mm
- Dimmable

Model	LDL-146D/WWS
Power rating	6 W
Luminous colour	warm white
Colour temperature	2,700 K
Luminous flux	440 lm
Energy efficiency class	A+
Dimmable	yes
Beam angle	120°
Colour rendering index (Ra)	> 80
Base	E14
Power supply	~ 230 V/41 mA/6 W
Energy consumption/1,000 h	6 kWh
Dimensions	Ø 50 mm x 98 mm



LDM-144/WWS

Order No. 02.1610

LED 4W≙25W

R39 LED reflector lamp, E14, ~ 230 V/4 W

- As an energy-saving replacement for standard incandescent lamps
- Reflector: Ø 39 mm
- Not dimmable

Model	LDM-144/WWS
Power rating	4 W
Luminous colour	warm white
Colour temperature	2,700 K
Luminous flux	300 lm
Energy efficiency class	A+
Dimmable	no
Beam angle	110°
Colour rendering index (Ra)	> 80
Base	E14
Power supply	~ 230 V/34 mA/4 W
Energy consumption/1,000 h	4 kWh
Dimensions	Ø 39 mm x 67 mm



LDB2-146D/WWS

Order No. 02.1380

LED 5,5W≙40W

Drop-shaped LED lamp, E14, ~ 230 V/5.5 W,
with the latest LED technology.

- As an energy-saving replacement for standard incandescent lamps
- Continuously dimmable: 10-100%

Model	LDB2-146D/WWS
Power rating	5.5 W
Luminous colour	warm white
Colour temperature	2,700 K
Luminous flux	470 lm
Energy efficiency class	A+
Dimmable	yes
Beam angle	180°
Colour rendering index (Ra)	> 80
Base	E14
Power supply	~ 230 V/36 mA/5.5 W
Energy consumption/1,000 h	6 kWh
Dimensions	Ø 45 mm x 75 mm



LDB-143/WWS

Order No. 02.1540

LED 3W≙25W

Drop-shaped LED lamp, E14, ~ 230 V/3 W

- As an energy-saving replacement for standard incandescent lamps
- Not dimmable

Model	LDB-143/WWS
Power rating	3 W
Luminous colour	warm white
Colour temperature	2,700 K
Luminous flux	250 lm
Energy efficiency class	A+
Dimmable	no
Beam angle	180°
Colour rendering index (Ra)	> 80
Base	E14
Power supply	~ 230 V/26 mA/3 W
Energy consumption/1,000 h	3 kWh
Dimensions	Ø 45 mm x 74 mm



LDB2-142G/WWS

Order No. 02.1370

LED 2W≙25W

Drop-shaped LED filament lamp, E14,
~ 230 V/ 2 W

- As an energy-saving replacement for standard incandescent lamps
- Real glass bulb, clear
- Beam angle: 300°
- Not dimmable

Model	LDB2-142G/WWS
Power rating	2 W
Luminous colour	warm white
Colour temperature	2,700 K
Luminous flux	210 lm
Energy efficiency class	A++
Dimmable	no
Beam angle	300°
Colour rendering index (Ra)	> 80
Base	E14
Power supply	~ 230 V/14 mA/2 W
Energy consumption/1,000 h	2 kWh
Mounting cutout	-
Mounting depth	-



Full specifications can be found on our website www.monacor-international.de.

LDC2-142G/WWS

Order No. 02.1590

LED 2W≙15W

LED candle filament lamp, E14, ~ 230 V/2 W

- As an energy-saving replacement for standard incandescent lamps, e.g. with chandeliers
- Real glass bulb, clear
- Beam angle: 300°
- Not dimmable

Model	LDC2-142G/WWS
Power rating	2 W
Luminous colour	warm white
Colour temperature	2,700 K
Luminous flux	210 lm
Energy efficiency class	A++
Dimmable	no
Beam angle	300°
Colour rendering index (Ra)	> 80
Base	E14
Power supply	~ 230 V/14 mA/2 W
Energy consumption/1,000 h	2 kWh
Dimensions	Ø 35 mm x 98 mm



LDC-144DG/WWS

Order No. 02.1530

LED 4W≙35W

LED candle filament lamp, E14, ~ 230 V/4 W

- As an energy-saving replacement for standard incandescent lamps, e.g. with chandeliers
- Real glass bulb, clear
- Beam angle: 300°
- Dimmable

Model	LDC-144DG/WWS
Power rating	4 W
Luminous colour	warm white
Colour temperature	2,700 K
Luminous flux	430 lm
Energy efficiency class	A++
Dimmable	yes
Beam angle	300°
Colour rendering index (Ra)	> 80
Base	E14
Power supply	~ 230 V/13 mA/4 W
Energy consumption/1,000 h	4 kWh
Dimensions	Ø 35 mm x 98 mm



LDC2-146D/WWS

Order No. 02.1420

LED 5,5W≙40W

LED candle lamp, E14, ~ 230 V/5.5 W

- As an energy-saving replacement for standard incandescent lamps
- Dimmable: 10-100%

Model	LDC2-146D/WWS
Power rating	5 W
Luminous colour	warm white
Colour temperature	2,700 K
Luminous flux	470 lm
Energy efficiency class	A+
Dimmable	yes, 10-100%
Beam angle	240°
Colour rendering index (Ra)	> 80
Base	E14
Power supply	~ 230 V/36 mA/5.5 W
Energy consumption/1,000 h	6 kWh
Dimensions	Ø 37 mm x 102 mm



LDC2-143/WWS

Order No. 02.1600

LED 3W≙25W

LED candle lamp, E14, ~ 230 V/3 W

- As an energy-saving replacement for standard incandescent lamps
- Not dimmable

Model	LDC2-143/WWS
Power rating	3 W
Luminous colour	warm white
Colour temperature	2,700 K
Luminous flux	250 lm
Energy efficiency class	A+
Dimmable	no
Beam angle	240°
Colour rendering index (Ra)	> 80
Base	E14
Power supply	~ 230 V/26 mA/3 W
Energy consumption/1,000 h	3 kWh
Dimensions	Ø 37 mm x 102 mm



LDR5-106D/WS

Order No. 02.1564

LDR5-106D/WWS

Order No. 02.1565

LED 6.2 W ≙ 52 W

COB LED reflector lamps, GU10, ~ 230 V/6.2 W

- Available in white (WS) or warm white (WWS)
- Beam angle: 38°
- Continuously dimmable

Model	LDR5-106D/WS	LDR5-106D/WWS
Power rating	6.2 W	6.2 W
Luminous colour	cool white	warm white
Colour temperature	5,000 K	3,000 K
Luminous flux	480 lm	450 lm
Energy efficiency class	A+	A+
Dimmable	yes	yes
Beam angle	38°	38°
Colour rendering index (Ra)	> 80	> 80
Base	GU10	GU10
Power supply	~ 230 V/55 mA/6.2 W	~ 230 V/55 mA/6.2 W
Energy consumption/ 1,000 h	7 kWh	7 kWh
Dimensions	Ø 50 mm x 54 mm	Ø 50 mm x 54 mm



LDR5-105/WS

Order No. 02.1566

LDR5-105/WWS

Order No. 02.1567

LED 5 W ≙ 50 W

SMD LED reflector lamps, GU10, ~ 230 V/5 W

- Available in white (WS) or warm white (WWS)
- Beam angle: 38°
- High luminous efficiency, thus perfectly suitable as a replacement for standard halogen reflector lamps
- For downlight applications
- Plastic housing
- Not dimmable

Model	LDR5-105/WS	LDR5-105/WWS
Power rating	5 W	5 W
Luminous colour	white	warm white
Colour temperature	5,000 K	3,000 K
Luminous flux	370 lm	345 lm
Energy efficiency class	A+	A+
Dimmable	no	no
Beam angle	38°	38°
Colour rendering index (Ra)	> 80	> 80
Base	GU10	GU10
Power supply	~ 230 V/43 mA/5 W	~ 230 V/44 mA/5 W
Energy consumption/ 1,000 h	5 kWh	5 kWh
Dimensions	Ø 50 mm x 54 mm	Ø 50 mm x 54 mm



LDR4-166/WS

Order No. 02.1470

LDR4-166/WWS

Order No. 02.1480

LED 5.5 W ≙ 35 W

SMD LED reflector lamps, GU5.3, ⎓ 12 V/5.5 W

- Available in white (WS) or warm white (WWS)
- Beam angle: 38°
- High luminous efficiency, thus perfectly suitable as a replacement for standard halogen reflector lamps, MR16
- For downlight applications
- Plastic housing
- Not dimmable

Matching PSU is available at option, e.g. PSL-18/12, PSIP-60/12, PSCS-60/12.
Not suitable for operation with an electronic halogen transformer requiring a higher minimum load.

Model	LDR4-166/WS	LDR4-166/WWS
Power rating	5.5 W	5.5 W
Luminous colour	white	warm white
Colour temperature	4,000 K	2,700 K
Luminous flux	345 lm	345 lm
Energy efficiency class	A+	A+
Dimmable	no	no
Beam angle	38°	38°
Col. rendering index (Ra)	> 80	> 80
Base	GU5.3	GU5.3
Power supply	⎓ 12 V/480 mA/5.5 W	⎓ 12 V/480 mA/5.5 W
Energy consump./1,000 h	6 kWh	6 kWh
Dimensions	Ø 50 mm x 49 mm	Ø 50 mm x 49 mm



LDR-103H/WWS

Order No. 02.1340

LED 3 W ≙ 25 W

SMD LED reflector lamp, GU10, ~ 230 V/3 W

- Retro design halogen lamp with a genuine cold light reflector made of glass
- For downlight applications
- Not dimmable

Model	LDR-103H/WWS
Power rating	3 W
Luminous colour	warm white
Colour temperature	2,700 K
Luminous flux	250 lm
Energy efficiency class	A+
Dimmable	no
Beam angle	36°
Colour rendering index (Ra)	> 80
Base	GU10
Power supply	~ 230 V/27 mA/3 W
Energy consumption/1,000 h	3 kWh
Dimensions	Ø 50 mm x 54 mm



Full specifications can be found on our website www.monacor-international.de.

LEPC-42/WWS

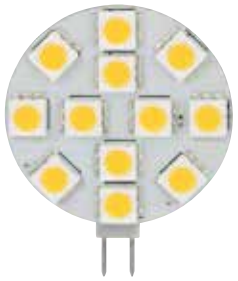
Order No. 05.0161

LED 2.4 W≙ 20 W

LED pin base lamp, G4, ⎓ 12 V/2.4 W

- As an energy-saving replacement for standard halogen lamps
- Fitted with 12 SMD LEDs, warm white
- Suitable for DC voltage only
- Not dimmable

Model	LEPC-42/WWS
Power rating	2.4 W
Luminous colour	warm white
Colour temperature	2,900 K
Luminous flux	100 lm
Energy efficiency class	A+
Dimmable	no
Beam angle	120°
Colour rendering index (Ra)	> 80
Base	G4
Power supply	⎓ 12 V/100 mA/1.4 W
Energy consumption/1,000 h	3.0 kWh



LEP2-41/WWS

Order No. 05.0221

LED NEW 1.2W≙ 15W

LED pin base lamp, G4, ⎓ 12 V/1.2 W

- As a replacement for low-voltage halogen lamps with pin base
- For accentuated lighting and general lighting applications
- Not dimmable

Model	LEP2-41/WWS
Power rating	1.2 W
Luminous colour	warm white
Colour temperature	3,000 K
Luminous flux	90 lm
Energy efficiency class	A++
Dimmable	no
Beam angle	240°
Colour rendering index (Ra)	> 80
Base	G4
Power supply	⎓ 12 V/25 mA/1.2 W
Energy consumption/1,000 h	2 kWh



LEP-92/WWS

Order No. 05.0248

LED 2.5W≙ 20W

LED lamp, G9, ~ 230 V/2.5 W

- As an energy-saving replacement of standard incandescent lamps

Model	LEP-92/WWS
Power rating	2.5 W
Luminous colour	warm white
Colour temperature	3,000 K
Luminous flux	200 lm
Energy efficiency class	A+
Dimmable	no
Beam angle	240°
Colour rendering index (Ra)	> 80
Base	G9
Power supply	~ 230 V/25 mA/2.5 W



LDB-142K/WWS

Order No. 02.1350

LED 2W≙ 15W

Compact LED lamp, E14, ~ 230 V/2 W

- As an energy-saving replacement for standard incandescent lamps
- Warm white ambient lighting
- Dimmable with LED dimmer

Model	LDB-142K/WWS
Power rating	2 W
Luminous colour	warm white
Colour temperature	2,700 K
Luminous flux	145 lm
Energy efficiency class	A+
Dimmable	no
Beam angle	240°
Colour rendering index (Ra)	> 80
Base	E14
Power supply	~ 230 V/10 mA/2 W



HLE-228/CRM

Order No. 05.0714



Flush-mounted light/mounting frame

- Ceiling cutout: Ø 68 mm
- Outside diameter: Ø 83 mm
- Tiltable: 20°
- Diecast light, mat chromium-plated
- For cold light reflectors, MR16: Ø 50 mm, GU5.3, 50 W max.
- Supplied w/o lamp

HLE-226/WS

Order No. 05.8064



Flush-mounted light

- Ceiling cutout: Ø 75 mm
- Mounting depth: 55 mm/95 mm
- Outside diameter: Ø 82 mm
- Tiltable: 30°
- Diecast light
- For cold light reflectors, MR16: Ø 50 mm, GU5.3, 50 W max.

HLE-586/CR

Order No. 05.8051



Flush-mounted light

- Ceiling cutout: Ø 24 mm
- Mounting depth: 30 mm
- Outside diameter: Ø 30 mm
- Diecast light
- For pin base: 12 V, G4, 10 W max.

HLE-10GU

Order No. 02.0460



Ceramic socket, GU10

- For high-voltage lamps (230 V)
- Twist lock
- Power rating: 100 W max.
- 15 cm connection cable

HLG-240/300MF
Order No. 05.8002



Halogen lamp, PAR56, for PAR reflectors.
- Medium flood
- 230 V/300 W
- Base: GX16d
- Average life: 2,000 h
- 30,000 cd

HLG-240/300NS
Order No. 05.8003



Halogen lamp, PAR56, for PAR reflectors.
- Narrow spot
- 230 V/300 W
- Base: GX16d
- Average life: 2,000 h
- 40,000 cd

HLT-6/30
Order No. 05.8001



Halogen lamp, PAR36, for PAR reflectors.
- 6.4 V/30W
- Base: 2 x screw
- Average life: 100 h
- 55,000 cd
- Beam angle: 5°

HLT-24/250
Order No. 05.9999



Halogen lamp, 24 V/250 W
- Base: GY6.35
- Type/dimensions: Ø 13.5 mm x 53 mm
- Average life: 300 h
- 8,000 lm; 2,800 K

HLZ-800
Order No. 05.6670



Halogen lamp, 12 V/10 W
- Base: G4

HLT-230/150
Order No. 05.1303



Halogen lamp, 230 V/150 W
- Base: GX6.35
- Ø 16 mm x 60 mm
- Average life: 350 h
- 1,630 lm; 2,700 K

HLG-230/500
Order No. 05.8012



Halogen lamp, 230-240 V/500 W
- Base: GY9.5
- Ø 28.5 mm x 75 mm
- Average life: 75 h
- 13,000 lm

HLT-230/300
Order No. 05.1304



Halogen lamp, 230 V/300 W
- Base: GX6.35
- Ø 16 mm x 60 mm
- Average life: 300 h
- 5,340 lm; 2,900K

HLT-120/300
Order No. 05.1306



Halogen lamp, 120 V/300 W
- Base: GY6.35
- 6,300 lm, 2,940 K
- Average life: 400 h

HLT-12/100
Order No. 05.0052



Halogen lamp, 12 V/100 W
- Base: GY6.35
- Ø 11.5 mm x 44 mm
- Average life: 50 h
- 2,800 lm; 3,200 K

HLZ-801
Order No. 05.6680



Halogen lamp, 12 V/20 W
- Base: G4

Halogen Lamps, Reflector, MR16

For light effect units.



Model	Order No.	Power rating	Colour temperature	Luminous flux	Base
HLT-12/100MRL	05.0127	100 W	3,100 K	2,800 lm	GZ6.35
HLT-15/150MRL	05.0128	150 W	3,300 K	4,500 lm	GZ6.35
HLG-24/250MR	05.8011	250 W	3,400 K	-	GX5.3
HLG-24/250MRL	05.0017	250 W	3,250 K	-	GY5.3
HLT-24/250MRL	05.0129	250 W	3,100 K	7,500 lm	GX5.3

Full specifications can be found on our website www.monacor-international.de.

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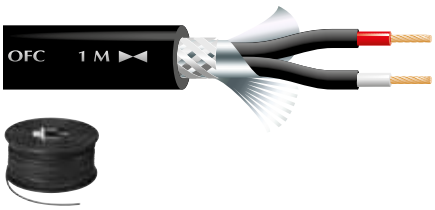
MLC-122/SW

Order No. 06.5700

OFC 100 m

Microphone cable, "HIGH QUALITY"

- 100 m reel
- 2 x 0.24 mm²
- Metre marking
- Double shielding
- Outside diameter: Ø 7 mm
- Capacitance: 125 pF/m
- Black insulation
- Low-noise



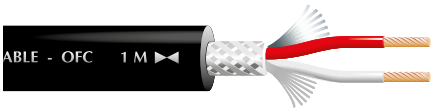
Microphone Cables

"TOP QUALITY"

- 50 m coil or 100 m reel
- 2 x 0.22 mm²
- Metre marking
- Shielded

OFC 50 m

- Outside diameter: Ø 6.5 mm
- Capacitance: 110 pF/m
- Low-noise





Model	Order No.	Length	Colour	Cable diameter	Packaging
MLC-52/BL	06.0840	50 m	blue	Ø 6.5 mm	coil
MLC-52/RT	06.0870	50 m	red	Ø 6.5 mm	coil
MLC-52/SW	06.0880	50 m	black	Ø 6.5 mm	coil
MLC-152/BL	06.5750	100 m	blue	Ø 6.5 mm	reel
MLC-152/RT	06.5770	100 m	red	Ø 6.5 mm	reel
MLC-152/SW	06.5780	100 m	black	Ø 6.5 mm	reel

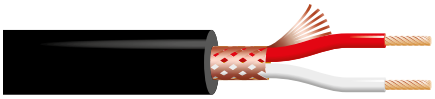
MLC-112/SW

Order No. 06.5390

OFC 100 m

Microphone cable
"STANDARD QUALITY"

- 100 m reel
- 2 x 0.22 mm²
- Metre marking
- Shielded
- Outside diameter: Ø 6 mm
- Capacitance: 160 pF/m
- Low-noise





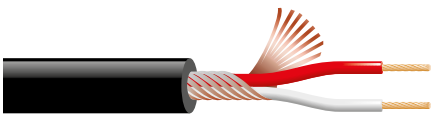
MC-102/SW

Order No. 06.4380

100 m

Microphone cable

- 100 m reel
- 2 x 0.12 mm²
- Shielded
- Outside diameter: Ø 3.5 mm
- Cable capacitance: 165 pF/m



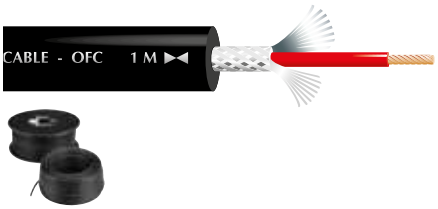


Microphone Cables

OFC 50 m

"TOP QUALITY"

- 50 m coil or 100 m reel
- 1 x 0.7 mm²
- Metre marking
- Shielded
- Outside diameter: Ø 6.8 mm
- Capacitance: 140 pF/m
- Low-noise



Model	Order No.	Length	Shielding	Packaging
MLC-50/SW	06.0820	50 m	single	coil
MLC-150/SW	06.5740	100 m	single	reel

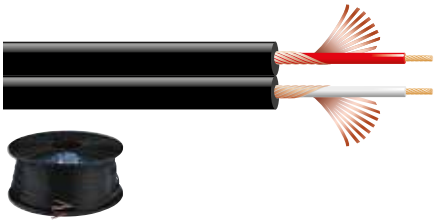
AC-102/SW

Order No. 06.4300

100 m

Audio cable, with highly flexible litz wire.

- 100 m reel
- 2 x 0.12 mm²
- Individual shielding
- Outside diameter: 2 x Ø 2.6 mm
- Capacitance: 250 pF/m



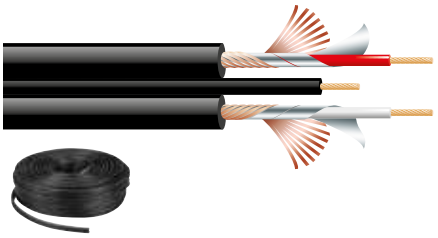
AC-53/SW

Order No. 06.4840

OFC 50 m

Audio cable
"HIGHLY FLEXIBLE"

- 50 m coil
- 2 x 0.29 mm² + 1 x 0.2 mm²
- Double shielding
- Outside diameter: 2 x Ø 5.5 mm + 1 x Ø 1.5 mm
- Cable capacitance: 165 pF/m
- Extra moulded wire, e.g. as control wire for car amplifiers or as ground wire for record players



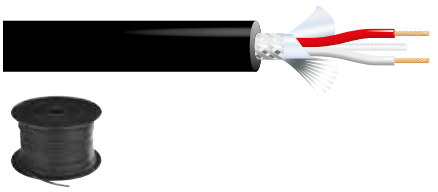
CDMX-3

Order No. 11.1330

100 m

Control lead, for transmitting digital DMX512 signals or AES/EBU signals.

- 100 m reel
- 2 x 0.22 mm²
- Metre marking
- Double shielding
- Outside diameter: Ø 4.5 mm
- High tensile strength
- Impedance level: 110 Ω
- Very low capacitance: 57 pF/m

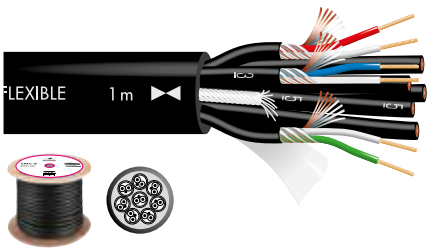


SMC-8
Order No. 06.6100

50 m

Multipair cable
"HIGH QUALITY, HIGHLY FLEXIBLE"
- 50 m reel
- Cores: 8 x (2 x 0.12 mm²)
- Outside diameter: Ø 13 mm
- Metre marking
- Individually shielded pairs of litz wire

- Each shield individually insulated
- Pairs of litz wire with numbering
- Capacitance: 165 pF/m

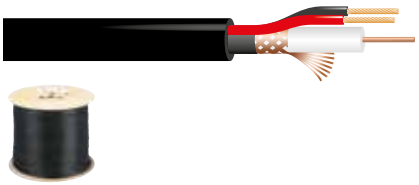


VSC-103/SW
Order No. 15.0690

100 m

Video combination cable
- 100 m reel
- 75 Ω coaxial cable with rigid internal conductor: Ø 0.6 mm, attenuation: 5.3 dB/100 m @ 10 MHz
- 2 x 0.75 mm², litz wire, e.g. for power supply (48 V max.) of CCTV cameras
- Outside diameter: Ø 8 mm

- Suitable for combination with video and voltage distributor VSV-9A
- Matching BNC plug: UG-88/UCR58



VSC-152/SW
Order No. 15.0570

150 m

VSC-502/SW
Order No. 50.5150

500 m

Video combination cables
- 75 Ω coaxial cable, bunched internal conductor: Ø 0.6 mm, attenuation: 2.5 dB/100 m @ 5 MHz
- 2 x 0.75 mm², e.g. for power supply (48 V max.) of CCTV cameras

- Highly flexible version
- Matching BNC plug: UG-88/UCR



Helix Cables, different versions.



Model	Order No.	Intended use	Length	Cable diameter	Shielding	No. of cores	Other features
CCX-5M	06.0190	microphone	80-500 cm	Ø 5 mm	common, single	2	balanced
CCX-6M	06.0200	push-to-talk microphones	90-600 cm	Ø 5 mm	1 x individual, single	5	-

Power Cables

OFC

- Highly flexible copper litz wire version
- Red (RT) or black (SW) insulation



Model	Order No.	Length	Colour	Cable diameter	Power rating	Internal conductor	No. of cores	Material
CPC-100/RT	14.0600	50 m	red	Ø 6.2 mm	60 A	Ø 6 mm, 10 mm²	1	OFC
CPC-100/SW	14.0610	50 m	black	Ø 6.2 mm	60 A	Ø 6 mm, 10 mm²	1	OFC

VCC-100/SW
Order No. 15.0700

VCC-300/SW
Order No. 15.0710

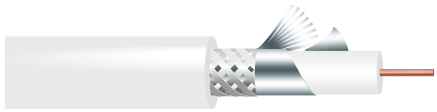
100 m
300 m



Video coaxial cables, 75 Ω.
- Cable material: RG59/U
- Rigid internal conductor: Ø 0.65 mm
- Double shielding
- Outside diameter: Ø 6 mm

ACC-168/100
Order No. 15.0770

DIGITAL KLASSE A CLASS 100 m



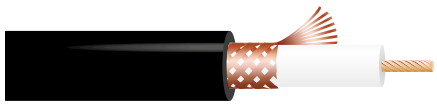
High-quality coaxial antenna cable, 75 Ω, white, for digital cable TV and satellite systems.
- Shielding value: 100 dB, class A according to EN 50117
- 100 m reel
- Rigid internal copper conductor: Ø 1.13 mm
- Double shielding
- Attenuation (100 m): 5.2 dB/100 MHz
- Cable diameter: Ø 6.8 mm
- Metre marking

Matching F connector: FCH-14



Video Coaxial Cables, 75 Ω

TKZulV 100 m



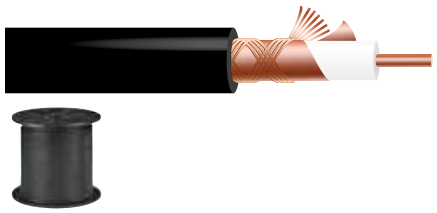
- Ø 6.0 mm
- Highly flexible due to bunched internal conductor: Ø 0.6 mm
- Braided copper shield
- Attenuation: 2.8 dB/100 m @ 5 MHz



Model	Order No.	Length	Colour
VCC-59	15.0320	100 m	green
VCC-59/SW	15.0530	100 m	black
VCC-259/SW	15.0560	200 m	black

KHD-1
Order No. 15.0250

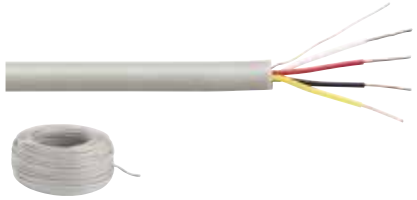
250 m



AHD TVI video coaxial cable, low-loss, 250 m, 75 Ω, for CCTV installations with long cables and HD video transmissions of the HYBRID Line.
- Rigid internal copper conductor: Ø 1 mm
- Double shielding, covering: 100% copper foil, 60% copper braid
- Attenuation (100 m): 1.4 dB/5 MHz, cable capacitance: 55±2 pF/m
- PVC sleeve, Ø 6.5 mm, black, with metre marking
- Required crimp plug NBNC-75BTS11 is available at option

Signal Cables

100 m



For alarm, PA and communication technology.
- 100 m coil
- Type J-Y(St)Y acc. to VDE 0815
- Copper index: 21 kg/km
- Common foil shield
- Copper wires with coloured insulation

JYSTY-2208 is suitable for the wiring of 100 V PA systems, cross section of each core: 0.5 mm².

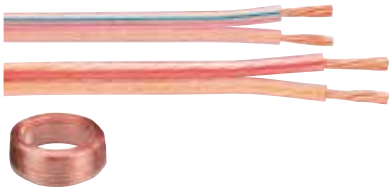
Model	Order No.	Length	Colour	Cable diameter	Internal conductor
JYSTY-2208	11.1340	100 m	grey	Ø 7 mm	4 x Ø 0.8 mm, 0.5 mm²
JYSTY-2206	19.2310	100 m	grey	Ø 5.5 mm	4 x Ø 0.6 mm, 0.28 mm²

Speaker Cables

OFC 10 m

"STANDARD QUALITY"

- 10 m reel
- Transparent insulation with core coding



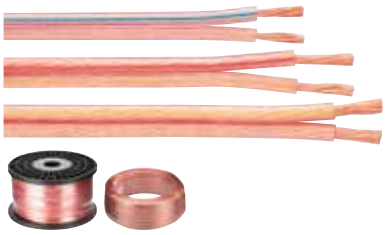
Model	Order No.	Length	Internal conductor	Other features
SPC-15/10	06.8630	10 m	2 x 1.5 mm²	core coding, blue
SPC-25/10	06.8640	10 m	2 x 2.5 mm²	core coding, red

Speaker Cables

OFC 50 m

"HIGH QUALITY, HIGHLY FLEXIBLE"

- 50 m coil or 100 m reel
- Transparent insulation with core coding



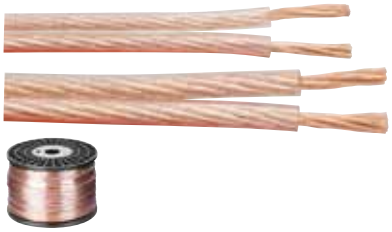
Model	Order No.	Length	Internal conductor	Packaging	Other features
SPC-15	06.1210	50 m	2 x 1.5 mm²	coil	core coding, blue
SPC-25	06.1230	50 m	2 x 2.5 mm²	coil	core coding, red
SPC-40	06.1240	50 m	2 x 4 mm²	coil	core coding, yellow
SPC-115	06.5250	100 m	2 x 1.5 mm²	reel	core coding, blue
SPC-125	06.5260	100 m	2 x 2.5 mm²	reel	core coding, red
SPC-140	06.5270	100 m	2 x 4 mm²	reel	core coding, yellow

Speaker Cables

100 m

"ECONOMY QUALITY"

- 100 m reel
- Copper-clad aluminium conductors
- Transparent insulation with core coding



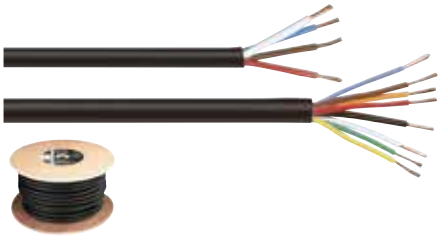
Model	Order No.	Length	Internal conductor	Other features
SPC-115CA	06.3330	100 m	2 x 1.5 mm²	core coding
SPC-125CA	06.3340	100 m	2 x 2.5 mm²	core coding

Speaker Cables

OFC 50 m

"TOP QUALITY, HIGHLY FLEXIBLE"

- 50 m reel
- Suitable for stage applications as well as for 100 V line technique
- Metre marking



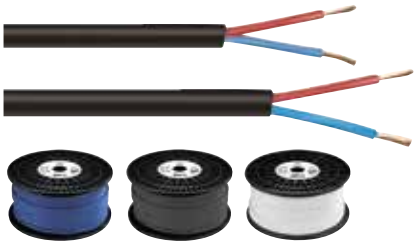
Model	Order No.	Cable diameter	Internal conductor	No. of cores
SPC-540/SW	12.9720	Ø 11 mm	4 x 2.5 mm²	4
SPC-580/SW	12.9730	Ø 13 mm	8 x 2 mm²	8

Speaker Cables

OFC 100 m

"TOP QUALITY, HIGHLY FLEXIBLE"

- 100 m reel
- Suitable for stage applications as well as for 100 V line technique
- Metre marking



Model	Order No.	Colour	Cable diameter	Power rating	Internal conductor
SPC-515/BL	12.9680	blue	Ø 7.4 mm	-	2 x 1.5 mm²
SPC-515/SW	12.9690	black	Ø 7.4 mm	-	2 x 1.5 mm²
SPC-515/WS	12.9700	white	Ø 7.4 mm	-	2 x 1.5 mm²
SPC-525/SW	12.9710	black	Ø 8.2 mm	-	2 x 2.5 mm²

Speaker Cable "Economy"

100 m

- 100 m reel
- Copper-clad aluminium litz wire (CCA)
- Conductor protected by fabric inlay and fleece sleeve



Model	Order No.	Cable diameter	Internal conductor
SPC-515CA	11.2020	Ø 7 mm	2 x 1.5 mm²
SPC-525CA	11.2160	Ø 8.5 m	2 x 2.5 mm²

Speaker Cables

100 m

"STANDARD QUALITY"

- 100 m reel
- Core coding



Model	Order No.	Colour	Cable diameter	Internal conductor
SPC-75/SW	06.5230	black	2 x Ø 2.4 mm	2 x 0.75 mm²
SPC-75/WS	06.5240	white	2 x Ø 2.4 mm	2 x 0.75 mm²

Speaker Cables

100 m

"ECONOMY QUALITY"

- 100 m reel
- Copper-clad aluminium conductor
- Core coding



Model	Order No.	Colour	Cable diameter	Internal conductor
SPC-70/SW	06.3310	black	2 x Ø 2.4 mm	2 x 0.75 mm²
SPC-70/WS	06.3320	white	2 x Ø 2.4 mm	2 x 0.75 mm²

DMX Connection Cables

For transmitting digital DMX512 signals or AES/EBU signals.

- Fitted with NEUTRIK XLR plug NC-3MX and NEUTRIK XLR inline jack NC-3FX
- 2 x 0.22 mm²
- Double shielding
- Outside diameter: Ø 4.5 mm
- Impedance level: 110 Ω
- Very low capacitance: 57 pF/m



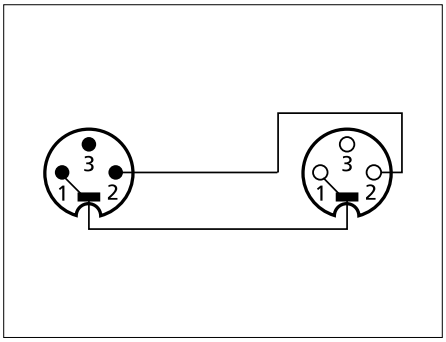
Model	Order No.	Length
CDMXN-150/SW	11.2110	1.5 m
CDMXN-300/SW	11.2120	3 m
CDMXN-500/SW	11.2130	5 m
CDMXN-1000/SW	11.2100	10 m

MSC-1007/SW

Order No. 06.2650

Speaker cable

- 1 x XLR plug and 1 x XLR inline jack
- Cores: 2 x 1.5 mm²
- Length: 10 m
- Without shielding



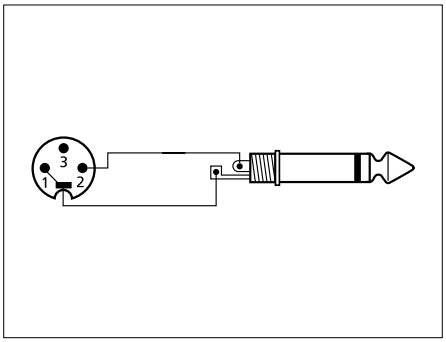


MSCP-1000/SW

Order No. 06.2450

Speaker cable

- 1 x XLR plug and 1 x 6.3 mm plug
- Cores: 2 x 1.5 mm²
- Length: 10 m
- Without shielding





Speaker Cables

- Fitted with 6.3 mm plug
- Different lengths
- Without shielding



Model	Order No.	Connectors	Length	Colour	Internal conductor
MSC-150/SW	06.0930	2 x 6.3 mm mono plug	1.5 m	black	2 x 1.5 mm²
MSC-300/SW	06.0960	2 x 6.3 mm mono plug	3 m	black	2 x 1.5 mm²
MSC-600/SW	06.2500	2 x 6.3 mm mono plug	6 m	black	2 x 1.5 mm²
MSC-1000/SW	06.2490	2 x 6.3 mm mono plug	10 m	black	2 x 1.5 mm²
MSC-1500/SW	06.0940	2 x 6.3 mm mono plug	15 m	black	2 x 1.5 mm²

Speaker Cables

"HIGHLY FLEXIBLE"

- Fitted with NEUTRIK SPEAKON plug NL-2FX and 6.3 mm mono plug
- Highly flexible cable material



Model	Order No.	Length	Colour	Internal conductor
MSCN-8050/SW	12.9380	5 m	black	2 x 1.5 mm²
MSCN-8100/SW	12.9390	10 m	black	2 x 1.5 mm²
MSCN-8150/SW	12.9400	15 m	black	2 x 1.5 mm²

Speaker Cables

"HIGHLY FLEXIBLE"

- Fitted with NEUTRIK SPEAKON plugs NL-2FX
- Highly flexible cable material



Model	Order No.	Length	Colour	Internal conductor
MSC-502/SW	11.2210	2 m	black	2 x 1.5 mm²
MSC-505/SW	12.9210	5 m	black	2 x 1.5 mm²
MSC-510/SW	12.9220	10 m	black	2 x 1.5 mm²
MSC-515/SW	12.9230	15 m	black	2 x 1.5 mm²
MSC-520/SW	11.2220	20 m	black	2 x 1.5 mm²

Speaker Cables

- Fitted with NEUTRIK SPEAKON plugs NL-2FX
- "Economy" cable material



Model	Order No.	Length	Colour	Internal conductor
MSCA-502/SW	11.2230	2 m	black	2 x 1.5 mm²
MSCA-505/SW	11.2240	5 m	black	2 x 1.5 mm²
MSCA-510/SW	11.2250	10 m	black	2 x 1.5 mm²

Speaker Cables

"HIGHLY FLEXIBLE"

- Fitted with NEUTRIK SPEAKON plugs NL-4FX
- Highly flexible cable material



Model	Order No.	Length	Colour	Internal conductor
MSC-102/SW	11.2170	2 m	black	2 x 2.5 mm²
MSC-105/SW	12.5620	5 m	black	2 x 2.5 mm²
MSC-110/SW	12.5640	10 m	black	2 x 2.5 mm²
MSC-115/SW	12.5660	15 m	black	2 x 2.5 mm²
MSC-120/SW	11.2180	20 m	black	2 x 2.5 mm²

Speaker Cables

- Fitted with NEUTRIK SPEAKON plugs NL-2FX
- "Economy" cable material



Model	Order No.	Length	Colour	Internal conductor
MSCA-610/SW	11.2260	10 m	black	2 x 2.5 mm²
MSCA-615/SW	11.2270	15 m	black	2 x 2.5 mm²
MSCA-620/SW	11.2280	20 m	black	2 x 2.5 mm²

Speaker Cables

"HIGHLY FLEXIBLE"

- Fitted with NEUTRIK SPEAKON plugs NL-4FX
- Highly flexible cable material



Model	Order No.	Length	Colour	Internal conductor
MSC-202/SW	11.2190	2 m	black	4 x 2.5 mm²
MSC-205/SW	12.5680	5 m	black	4 x 2.5 mm²
MSC-210/SW	12.5700	10 m	black	4 x 2.5 mm²
MSC-215/SW	12.5720	15 m	black	4 x 2.5 mm²
MSC-220/SW	11.2200	20 m	black	4 x 2.5 mm²

XLR Cables

OFC

Line and microphone extension cables.
- Fitted with NEUTRIK connectors
- 1 x XLR inline jack and 1 x XLR plug, balanced
- Shielded low-noise OFC cable material, Ø 6.5 mm



Model	Order No.	Length	Colour	Cable diameter
MECN-100/BL	06.5920	1 m	blue	Ø 6.5 mm
MECN-100/RT	06.5930	1 m	red	Ø 6.5 mm
MECN-100/SW	06.5940	1 m	black	Ø 6.5 mm
MECN-200/BL	06.5950	2 m	blue	Ø 6.5 mm
MECN-200/RT	06.5960	2 m	red	Ø 6.5 mm
MECN-200/SW	06.5970	2 m	black	Ø 6.5 mm
MECN-600/BL	06.5980	6 m	blue	Ø 6.5 mm
MECN-600/RT	06.5990	6 m	red	Ø 6.5 mm
MECN-600/SW	06.6000	6 m	black	Ø 6.5 mm
MECN-1000/BL	06.6010	10 m	blue	Ø 6.5 mm
MECN-1000/RT	06.6020	10 m	red	Ø 6.5 mm
MECN-1000/SW	06.6030	10 m	black	Ø 6.5 mm
MECN-1500/SW	06.6040	15 m	black	Ø 6.5 mm
MECN-2000/SW	06.6050	20 m	black	Ø 6.5 mm

XLR Cables

OFC

Line and microphone extension cables.
- 1 x XLR inline jack and 1 x XLR plug, balanced
- Shielded low-noise OFC cable material, Ø 6.5 mm



Model	Order No.	Length	Colour	Cable diameter
MEC-50/BL	06.1680	0.7 m	blue	Ø 6.5 mm
MEC-50/GE	06.1690	0.7 m	yellow	Ø 6.5 mm
MEC-50/GN	06.1700	0.7 m	green	Ø 6.5 mm
MEC-50/RT	06.1710	0.7 m	red	Ø 6.5 mm
MEC-50/SW	06.1720	0.7 m	black	Ø 6.5 mm
MEC-100/BL	06.1740	1 m	blue	Ø 6.5 mm
MEC-100/GE	06.1750	1 m	yellow	Ø 6.5 mm
MEC-100/GN	06.1760	1 m	green	Ø 6.5 mm
MEC-100/RT	06.1770	1 m	red	Ø 6.5 mm
MEC-100/SW	06.1780	1 m	black	Ø 6.5 mm
MEC-190/BL	06.2520	2 m	blue	Ø 6.5 mm
MEC-190/GE	06.2530	2 m	yellow	Ø 6.5 mm
MEC-190/GN	06.2540	2 m	green	Ø 6.5 mm
MEC-190/RT	06.2550	2 m	red	Ø 6.5 mm
MEC-190/SW	06.2560	2 m	black	Ø 6.5 mm
MEC-20/BL	06.0670	6 m	blue	Ø 6.5 mm
MEC-20/RT	06.0700	6 m	red	Ø 6.5 mm
MEC-20/SW	06.0710	6 m	black	Ø 6.5 mm
MEC-1000/BL	06.2940	10 m	blue	Ø 6.5 mm
MEC-1000/SW	06.2510	10 m	black	Ø 6.5 mm
MEC-1500/SW	06.2270	15 m	black	Ø 6.5 mm
MEC-2000/SW	06.4320	20 m	black	Ø 6.5 mm

Line Cables

OFC

"HIGH QUALITY, HIGHLY FLEXIBLE"
- 3-pole XLR plug and 6.3 mm stereo plug, balanced
- Black, shielded low-noise OFC cable material



Model	Order No.	Length	Colour
MEL-102/SW	06.6670	1 m	black
MEL-202/SW	06.6680	2 m	black
MEL-602/SW	06.6690	6 m	black

Microphone Cables

OFC

- Fitted with NEUTRIK connectors
- 1 x XLR inline jack and 1 x 6.3 mm mono plug
- Shielded low-noise OFC cable material, Ø 6.5 mm



Model	Order No.	Length	Colour	Cable diameter
MMCN-300/SW	06.6760	3 m	black	Ø 6.5 mm
MMCN-600/SW	06.6060	6 m	black	Ø 6.5 mm
MMCN-1000/SW	06.6070	10 m	black	Ø 6.5 mm

Microphone Cables

OFC

- Fitted with 1 x XLR inline jack and 1 x 6.3 mm mono plug
- Shielded low-noise OFC cable material, Ø 6.5 mm



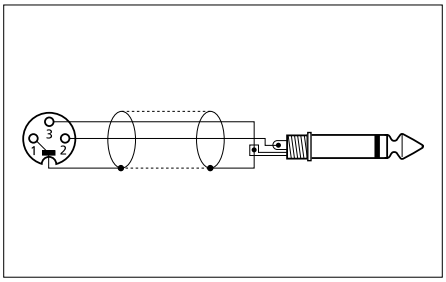
Model	Order No.	Length	Colour	Cable diameter
MMC-300/SW	06.6750	3 m	black	Ø 6.5 mm
MMC-600/SW	06.0900	6 m	black	Ø 6.5 mm
MMC-1200/SW	06.4310	12 m	black	Ø 6.5 mm

MCA-15/1

Order No. 06.0340

Adapter cable

- XLR inline jack to 6.3 mm plug, mono
- Length: 15 cm



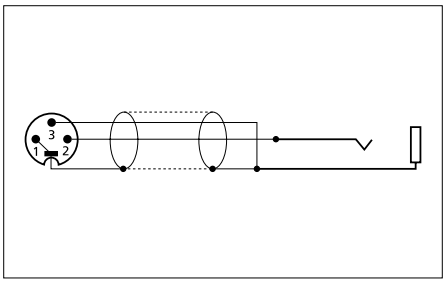


MCA-15/2

Order No. 06.0350

Adapter cable

- XLR plug to 6.3 mm inline jack, mono
- Length: 15 cm



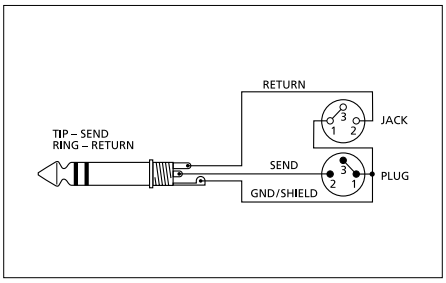


MCI-363X

Order No. 06.3440

3 m

Audio insert/stereo cable, e.g. for connecting effect units with XLR inputs and outputs to mixers with send/return inserts.
1 x 6.3 mm stereo plug to 1 x XLR plug and 1 x XLR inline jack.





Mono Cables

- Fitted with NEUTRIK connectors
- 2 x 6.3 mm mono plug
- Shielded low-noise OFC cable material, Ø 6.5 mm



Model	Order No.	Length	Colour	Cable diameter
MCCN-150/SW	06.5840	1.5 m	black	Ø 6.5 mm
MCCN-300/SW	06.5870	3 m	black	Ø 6.5 mm
MCCN-600/SW	06.5900	6 m	black	Ø 6.5 mm
MCCN-1000/SW	06.5910	10 m	black	Ø 6.5 mm

Mono Cables

- Shielding
- Fitted with 2 x 6.3 mm mono plug
- Cable outside diameter: Ø 6.5 mm



Model	Order No.	Length	Colour	Cable diameter
MCC-50/RT	06.0520	0.5 m	red	Ø 6.5 mm
MCC-50/SW	06.0530	0.5 m	black	Ø 6.5 mm
MCC-100/BL	06.0370	1 m	blue	Ø 6.5 mm
MCC-100/RT	06.0400	1 m	red	Ø 6.5 mm
MCC-100/SW	06.0410	1 m	black	Ø 6.5 mm
MCC-300/BL	06.0430	3 m	blue	Ø 6.5 mm
MCC-300/RT	06.0460	3 m	red	Ø 6.5 mm
MCC-300/SW	06.0470	3 m	black	Ø 6.5 mm
MCC-600/SW	06.0590	6 m	black	Ø 6.5 mm
MCC-900/SW	06.0650	9 m	black	Ø 6.5 mm

MEC-600/SW

Order No. 06.0730



Mono extension cable

- Fitted with 6.3 mm plug and 6.3 mm inline jack
- 1 core with shielding
- Low-noise cable material, Ø 6.8 mm
- Length: 6 m

MCC-122/SW

Order No. 06.2760

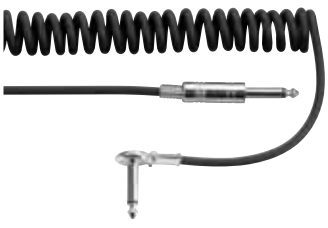


Mono cable

- 2 moulded 6.3 mm mono plugs
- For connecting any kind of audio system
- Length: 1.2 m

CCG-500

Order No. 06.0130



Helix cable for guitars

- Robust version
- 1 x 6.3 mm plug and 1 x 6.3 mm right-angle plug
- Extendable from 1 m to 5 m

APC-06

Order No. 06.0060



Noiseless patchcord

- Set of 6 cables
- Very short audio connection cables in different colours
- 2 x 6.3 mm plug
- Mainly used for effect units to be fed through
- Also suitable for for patch boxes
- Length: 0.3 m

Stereo Cables

- Shielding
- Fitted with 2 x 6.3 mm stereo plug
- Cable outside diameter: Ø 6.5 mm



Model	Order No.	Length	Colour	Cable diameter
MCC-102/SW	06.5670	1 m	black	Ø 6.5 mm
MCC-302/SW	06.5690	3 m	black	Ø 6.5 mm

MCC-124/SW

Order No. 06.5680



Stereo cable

- 2 moulded 6.3 mm stereo plugs
- For connecting any kind of audio system
- Length: 1.2 m

MCA-202

Order No. 06.2640



Adapter cable

- From 1 x 6.3 mm stereo plug to 2 x 6.3 mm mono plug
- For connecting e.g. effect units to mixers with send/return inserts
- Length: 2 m

MCA-204

Order No. 06.6800

Adapter cable

- For connecting e.g. a PC sound card to a mixer or amplifier
- 1 x 3.5 mm stereo plug to 2 x 6.3 mm mono plug
- Length: 2 m



MCA-302

Order No. 06.2170



Audio adapter cable

- For connecting any kind of musical instrument, e.g. keyboard to amplifier systems and mixers
- 1 x 6.3 mm stereo plug to 2 x RCA plug
- Length: 3 m

MCA-300

Order No. 06.0360



Audio adapter cable

- For connecting any kind of musical instrument, e.g. keyboard to amplifier systems and mixers
- 1 x 6.3 mm mono plug to 2 x RCA plug
- Length: 3 m

MCA-156

PAAR
PAIR

Order No. 06.5290



Audio connection cables,
for connecting a mixer to an amplifier.

- RCA plug to 6.3 mm mono plug
- Low-noise cable, Ø 7 mm
- In pairs red/black
- Length: 1.5 m

Audio Connection Cables

- For connecting a mixer to an amplifier
- 2 x RCA plug to 2 x 6.3 mm mono plug
- Colour coding



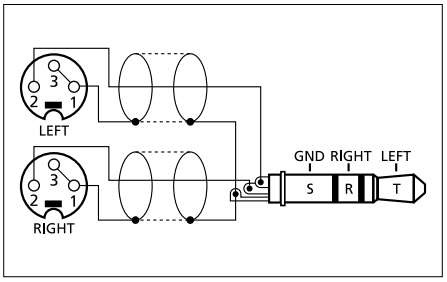
Model	Order No.	Length	Colour
MCA-154	06.4970	1.5 m	black
MCA-304	06.4980	3 m	black
MCA-504	06.4990	5 m	black

MCA-129J
Order No. 06.7350

MCA-329J
Order No. 06.7120

1 m
3 m

Audio adapter cables
- For connecting e.g. a PC sound card to a mixer or amplifier
- 1 x 3.5 mm stereo plug to 2 x XLR inline jack



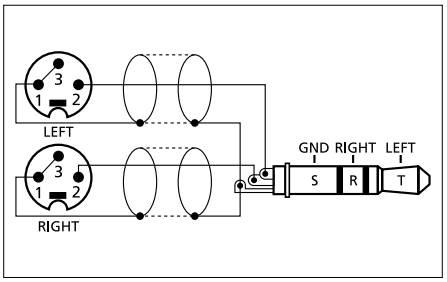


MCA-129P
Order No. 06.7360

MCA-329P
Order No. 06.7130

1 m
3 m

Audio adapter cables
- For connecting e.g. a PC sound card to a mixer or amplifier
- 1 x 3.5 mm stereo plug to 2 x XLR plug



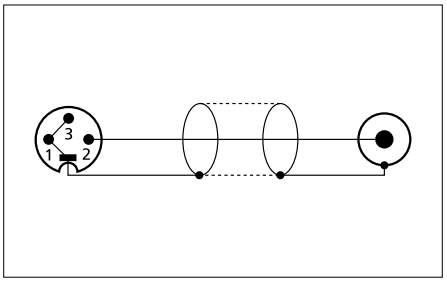


MCA-127J
Order No. 06.9030

MCA-327J
Order No. 06.9050

1 m
3 m

Audio connection cables
- For connecting e.g. a mixer or CD player to an amplifier
- 2 x RCA plug to 2 x XLR inline jack



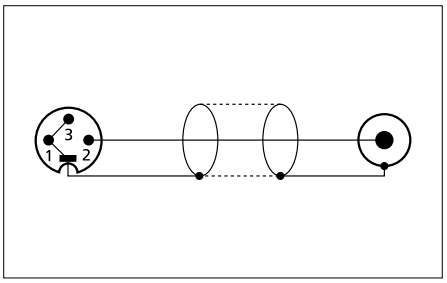


MCA-127P
Order No. 06.9020

MCA-327P
Order No. 06.9040

1 m
3 m

Audio connection cables
- For connecting e.g. a mixer or CD player to an amplifier.
- 2 x RCA plug to 2 x XLR plug

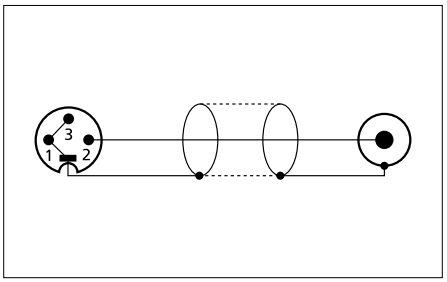




MCA-158J
Order No. 06.9060

PAAR
PAIR

Audio connection cable,
for connecting e.g. a mixer or CD player to an amplifier.
- RCA plug to XLR inline jack, 3 poles
- Low-noise cable, Ø 7 mm
- In pairs red/black
- Length: 1.5 m

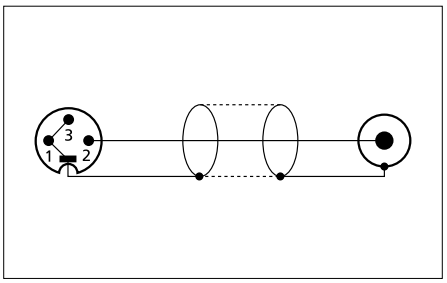




MCA-158
Order No. 06.5320

PAAR
PAIR

Audio connection cable,
for connecting e.g. a mixer or CD player to an amplifier.
- RCA plug to XLR plug, 3 poles
- Low-noise cable, Ø 7 mm
- In pairs red/black
- Length: 1.5 m





ACS-2625
Order No. 06.6640

Stereo audio connection cable
- 2.5 mm plug and 6.3 mm plug
- Length: 2 m



ACA-1535
Order No. 06.2740

Stereo audio/video cable adapter
- 3.5 mm stereo plug to 2 x RCA inline jack
- Length: 0.15 m



ACS-225
Order No. 06.6620

Stereo audio connection cable
- 2.5 mm plugs
- Length: 2 m



ACA-1635 1.2 m
Order No. 06.4390
ACA-1735 2 m
Order No. 06.5180
ACA-1935 10 m
Order No. 06.6740

Audio adapter cables
- 1 x 3.5 mm stereo plug
- 2 x RCA plug



ACM-2635 MONO
Order No. 06.6650
ACS-2635 STEREO
Order No. 06.6660

Audio connection cables
- 3.5 mm plug and 6.3 mm plug
- Length: 2 m



ACA-1235
Order No. 06.1900

Audio adapter cable
- 2 x special RCA plug/inline jack
- 1 x 3.5 mm stereo plug
- Length: 1.2 m



ACM-235 MONO
Order No. 06.4690
ACS-235 STEREO
Order No. 06.4700

Audio connection cables
- 3.5 mm plugs
- Length: 2 m



AC-301 3 m
Order No. 06.5620
AC-601 6 m
Order No. 06.5630

Extension cables with stereo RCA connectors
- 2 x RCA plug to 2 x RCA inline jack
- Nickel-plated contacts



ACA-356S
Order No. 06.7490

Cable adapter
- 3.5 mm stereo plug to 6.3 mm stereo inline jack
- Gold-plated contacts
- Length: 0.2 m



ACA-120
Order No. 06.1670

Audio adapter cable
- 2 x RCA plug to 2 x special RCA plug/ inline jack
- Length: 1.2 m



MEC-635
Order No. 06.1850

Stereo extension cable
- 3.5 mm connectors
- Length: 6 m



Stereo Audio Connection Cables

- With straight and right-angle RCA plugs
- Shielded cables
- Gold-plated contacts
- Cable diameter: Ø 3 mm



Model	Order No.	Length	Colour	Cable diameter
AC-082/BL	06.4870	0.8 m	blue	Ø 3 mm
AC-152/BL	06.4890	1.5 m	blue	Ø 3 mm
AC-302/BL	06.4910	3 m	blue	Ø 3 mm
AC-502/BL	06.4930	5 m	blue	Ø 3 mm

Stereo Audio Connection Cables

- With 2 x RCA plug on both ends
- Nickel-plated contacts



Model	Order No.	Length	Colour
AC-050	06.0010	0.5 m	black
AC-122	06.0020	1.8 m	black
AC-300	06.2100	3 m	black
AC-600	06.2110	6 m	black
AC-1000	06.6730	10 m	black

Stereo Audio Connection Cables

- With 2 x RCA plug on both ends
- Gold-plated contacts



Model	Order No.	Length	Colour
AC-050G	06.6450	0.5 m	black
AC-122G	06.1890	1.2 m	black
AC-300G	06.2120	3 m	black
AC-600G	06.2130	6 m	black

High-Quality Stereo Audio Connection Cables

- Colour-coded RCA plugs
- Moulded gold-plated plugs
- Highly flexible cable
- Additional foil shield
- Cable diameter: Ø 6 mm
- Wire cross section: 0.23 mm^2



Model	Order No.	Length	Colour	Cable diameter
CPR-080/BL	06.6420	0.8 m	transparent blue	Ø 6 mm
CPR-150/BL	06.6430	1.5 m	transparent blue	Ø 6 mm
CPR-500/BL	06.6440	5 m	transparent blue	Ø 6 mm

Full specifications can be found on our website www.monacor-international.de.

High-Quality Stereo Audio Connection Cables

- Colour-coded RCA plugs
- Moulded gold-plated plugs
- Highly flexible cable
- Additional foil shield
- Extra moulded wire, e.g. as control wire (for amplifiers) or as ground wire (for record players)
- Cable diameter: Ø 5.5 mm
- Wire cross section: 0.17 mm²



Model	Order No.	Length	Colour	Cable diameter
AC-080/BL	06.4730	0.8 m	blue	Ø 5.5 mm
AC-080/RT	06.4770	0.8 m	red	Ø 5.5 mm
AC-080/SW	06.4810	0.8 m	black	Ø 5.5 mm
AC-150/BL	06.4740	1.5 m	blue	Ø 5.5 mm
AC-150/RT	06.4780	1.5 m	red	Ø 5.5 mm
AC-150/SW	06.4820	1.5 m	black	Ø 5.5 mm
AC-500/BL	06.4750	5 m	blue	Ø 5.5 mm
AC-500/RT	06.4790	5 m	red	Ø 5.5 mm
AC-500/SW	06.4830	5 m	black	Ø 5.5 mm

Professional Stereo Audio Connection Cables, 50 Ω

- High-quality cables
- Plugs with shielded metal bodies
- Gold-plated contacts
- 2 x RCA plug on both ends, with colour coding



Model	Order No.	Length	Colour
ACP-150/50	06.7290	1.5 m	black
ACP-300/50	06.7300	3 m	black
ACP-500/50	06.7310	5 m	black

Pair of Audio Y Cable Adapters

PAAR
PAIR

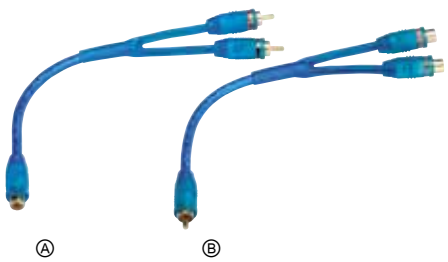
- To be used to distribute one signal to 2 inputs or 2 outputs
- Shielded transition cables of high quality
- Additional foil shield
- Moulded gold-plated connectors



Model	Order No.	Connectors	Length	Colour	Position
CBA-25/SW	06.5130	2 x RCA plug, 1 x RCA inline jack	0.25 m	black	A
CBA-30/SW	06.5160	1 x RCA plug, 2 x RCA inline jack	0.25 m	black	B

Audio Y Cable Adapters

- Colour-coded RCA plugs
- Moulded gold-plated plugs
- Highly flexible cable
- Additional foild shield
- Cable diameter: Ø 6 mm
- Wire cross section: 0.23 mm²



Model	Order No.	Connectors	Length	Position
CPR-25/BL	06.6400	2 x RCA plug, 1 x RCA inline jack	0.25 m	A
CPR-30/BL	06.6410	1 x RCA plug, 2 x RCA inline jack	0.25 m	B

MIDI Cables

- 2 x 5-pole DIN plug
- Nickel-plated contacts



Model	Order No.	Length	Colour
MIDI-52/SW	06.4480	0.5 m	black
MIDI-102/SW	06.4530	1 m	black
MIDI-182/SW	06.4580	1.8 m	black
MIDI-302/SW	06.4630	3 m	black

ACA-15/2

Order No. 06.1660

Stereo audio/video cable adapter

- 5-pole DIN inline jack to 4 x RCA plug
- Length: 0.15 m



ACA-15/4

Order No. 06.2910

Stereo audio/video cable adapter

- 5-pole DIN inline jack to 2 x RCA plug
- Length: 0.15 m



AC-54

Order No. 06.0040

Stereo adapter cable

- 5-pole DIN plug to 4 x RCA plug
- 4 colours
- Length: 1.2 m



ACA-15/3

Order No. 06.2820

Stereo audio/video cable adapter

- 5-pole DIN plug to 2 x RCA inline jack
- Length: 0.15 m



ACA-15/1

Order No. 06.0050

Stereo audio/video cable adapter

- 5-pole DIN plug to 4 x RCA inline jack
- Length: 0.15 m



D7P-10

Order No. 17.3370

10 m

D7P-20

Order No. 17.3380

20 m

Extension cables

- 7-pin DIN plug to 7-pin DIN jack



MCM-500/SW

Order No. 06.5100

Mini XLR cable

- Plug and inline jack with cable bending protection
- Gold-plated contacts, 3 poles
- Length: 5 m



VAU-4

Order No. 06.4660

Audio/video SCART adapter

- SCART to 3 RCA jacks (video and audio L/R)
- Additional S-VHS jack
- Switchable "IN"/"OUT"



HDMA-220WL

Order No. 06.9160

Wireless transmission set, 5.8 GHz, for HDMI™ signals.

- Resolutions: 1080p, 1080i, 720p, 480p, 480i
- Operating range: approx. 20-30 m indoors, up to 100 m outdoors (visual contact)
- Supports remote control of connected HDMI™ device (infrared forwarding)
- Scope of delivery: 1 transmitter module, 1 receiver module, 2 plug-in power suppl., 1 IR transmitter unit, 1 IR receiver unit

Transmitter module/receiver module:

- Connections: HDMI™ jack, low-voltage jack, connection for infrared device
- Reset switch
- Power is provided via enclosed plug-in power supply
- Dimensions: 195 x 31 x 104 mm (w/o antenna)
- Weight: 540 g

Licence-free in the EU.



Full specifications can be found on our website www.monacor-international.de.

HDMS-208

Order No. 06.7900

8-way HDMI™ splitter, for alternatively connecting 2 players to up to 8 HDMI™ monitors.

- Input source can be selected via switch
- Compatible with HDMI™ Deep Colour
- Conforms to HDCP standard
- Inputs: 2 x 19-pole HDMI™ Type-A jack
- Outputs: 8 x 19-pole HDMI™ Type-A jack
- Power is provided via enclosed power supply
- Dimensions: 440 x 55 x 210 mm
- Weight: 2.4 kg



HDMS-1042

Order No. 06.7880

4-way HDMI™ splitter, for alternatively connecting 1 player to up to 4 HDMI™ monitors.

- Compact, space-saving version
- Compatible with HDMI™ Deep Colour
- Conforms to HDCP standard
- Input: 1 x 19-pole HDMI™ Type-A jack
- Outputs: 4 x 19-pole HDMI™ Type-A jack
- Power is provided via enclosed power supply
- Dimensions: 155 x 25 x 75 mm
- Weight: 500 g



HDMS-4012

Order No. 06.7910

4-way HDMI™ switcher, for connecting 4 players to 1 HDMI™ monitor.

- Input source can be selected via supplied remote control
- Compact, space-saving version
- Compatible with HDMI™ high-speed
- Conforms to HDCP standard
- Inputs: 4 x 19-pole HDMI™ Type-A jack
- Output: 1 x 19-pole HDMI™ Type-A jack
- Power is provided via enclosed power supply
- Dimensions: 155 x 19 x 70 mm
- Weight: 260 g



HDMS-201

Order No. 06.7890

2-way HDMI™ switcher, for connecting 2 players to 1 HDMI™ monitor.

- Input source can be selected via switch
- Compatible with HDMI™ Deep Colour
- Conforms to HDCP standard
- Inputs: 2 x 19-pole HDMI™ jack
- Output: 1 x 19-pole HDMI™ jack
- Power is provided via enclosed power supply
- Dimensions: 87 x 18 x 45 mm
- Weight: 142 g



HDMA-101

Order No. 06.7870

HDMI™ repeater, for connecting 2 HDMI™ cables and for amplifying signals. For cable lengths of up to 30 m without any signal loss.

- Compatible with HDMI™ Deep Colour
- Conforms to HDCP standard
- 2 x 19-pole HDMI™ jack
- Power supply via HDMI™, no external power supply required
- Dimensions: 27 x 15 x 50 mm
- Weight: 16 g



HDAW-203

Order No. 18.9600

HDMI™ audio signal splitter,
modulates/demodulates an audio signal to the HDMI™ signal.

- 1 x HDMI™ input, 1 x HDMI™ output
- 1 x RCA input L/R, 1 x RCA output L/R, switchable
- 1 x coaxial input, 1 x coaxial output, switchable
- 1 x optical input, 1 x optical output
- Supported video resolution: VGA, 720p, 1080p up to 4K
- Supplied with remote control
- Power is provided via enclosed plug-in power supply
- Dimensions: 140 x 23 x 71 mm
- Weight: 225 g



HDMDVI-100J
Order No. 06.7580

HDMI™/DVI adapter
- Gold-plated contacts
- 19-pole HDMI™ Type-A inline jack to DVI-D plug 24+1



HDMDVI-100P
Order No. 06.7590

HDMI™/DVI adapter
- Gold-plated contacts
- 19-pole HDMI™ Type-A plug to DVI-D inline jack 24+1



HDMA-100W
Order No. 06.8070

HDMI™ adapter, right-angle
- Gold-plated contacts
- 19-pole HDMI™ Type-A plug to 19-pole HDMI™ inline jack



HDMA-300W
Order No. 06.9150

HDMI™ swivel adapter, 2 x 180°
- 2 turnable axes with 180° each
- Gold-plated contacts
- 19-pole HDMI™ Type-A plug to 19-pole HDMI™ inline jack



HDMA-100M
Order No. 06.9140

HDMI™ adapter
- Gold-plated contacts
- 19-pole HDMI™ Type-A inline jack to 19-pole HDMI™ mini-C plug



HDMA-100MC
Order No. 06.8540

HDMI™ adapter
- Gold-plated contacts
- 19-pole HDMI™ Type-A inline jack to 19-pole HDMI™ micro-D plug



HDMC-200M
Order No. 06.8550

HDMI™ high-speed connection cable
- Gold-plated contacts
- Fitted with 19-pole HDMI™ Type-A plug and 19-pole HDMI™ mini-C plug
- Length: 2 m



HDMC-200MC
Order No. 06.8560

HDMI™ high-speed connection cable
- Gold-plated contacts
- Fitted with 19-pole HDMI™ Type-A plug to 19-pole HDMI™ micro-D plug
- Length: 2 m



NAHDMIW
Order No. 34.8630

NAHDMIWB
Order No. 34.8640

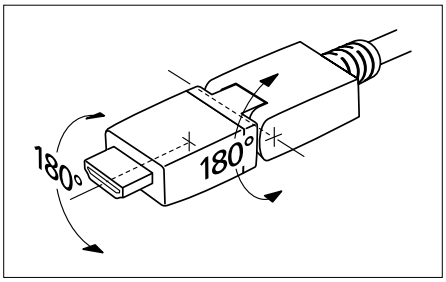
HDMI™ feed-through panel jacks
- 19-pole HDMI™ Type-A jack on both ends
- Ground connection between HDMI™ jack and body

NAHDMIW = nickel-plated
NAHDMIWB = black



HDMC-300S/SW
Order No. 06.8020

HDMI™ high-speed connection cable
- Gold-plated contacts
- Fitted with 2 x 19-pole HDMI™ type A plug, swivel or turnable head rotates 180° as required
- Max. resolution: 4C2K
- Length: 3 m





HDMC-2500R/SW

Order No. 06.8530



HDMI™ high-speed connection cable, with integrated repeater.

- Integrated gain, perfect signal transmission
- Gold-plated contacts
- Fitted with 2 x 19-pole HDMI™ Type-A plug
- Length: 25 m

High-quality HDMI™ High-speed Connection Cables



- High-quality cables with 2 ferrite cores for an interference-free transmission, even with greater cable lengths
- Gold-plated contacts
- 2 x 19-pole HDMI™ Type-A plug with shielded metal bodies

Model	Order No.	Length	Colour
HDMC-150M/SW	06.8400	1.5 m	black
HDMC-300M/SW	06.8410	3 m	black
HDMC-500M/SW	06.8420	5 m	black
HDMC-1000M/SW	06.8430	10 m	black
HDMC-1500M/SW	06.8440	15 m	black

Flat HDMI™ High-speed Connection Cables



- Gold-plated contacts
- Fitted with 2 x 19-pole HDMI™ Type-A plug

Model	Order No.	Length	Colour
HDMC-150F/SW	06.7960	1.5 m	black
HDMC-200F/SW	06.7990	2 m	black
HDMC-500F/SW	06.8050	5 m	black

HDMI™ High-speed Connection Cables



- Gold-plated contacts
- Fitted with 2 x 19-pole HDMI™ Type-A plug

Model	Order No.	Length	Colour
HDMC-100/WS	06.8370	1 m	white
HDMC-150/WS	06.7950	1.5 m	white
HDMC-300/WS	06.8010	3 m	white
HDMC-500/WS	06.8040	5 m	white

HDMI™ High-speed Connection Cables



- Extra thin, highly flexible cable, slimline plug
- Ethernet
- Gold-plated contacts
- Fitted with 2 x 19-pole HDMI™ Type-A plug

Model	Order No.	Length	Colour
HDMC-050P/WS	06.8350	0.5 m	white
HDMC-100P/WS	06.8380	1 m	white

HDMI™ High-Speed Connection Cables



- 2 ferrite cores for an interference-free transmission, even with greater cable lengths
- Gold-plated contacts
- Fitted with 2 x 19-pole HDMI™ Type-A plug

Model	Order No.	Length	Colour
HDMC-100/SW	06.7940	1 m	black
HDMC-200/SW	06.7980	2 m	black
HDMC-300/SW	06.8000	3 m	black
HDMC-500/SW	06.8030	5 m	black
HDMC-1000/SW	06.9000	10 m	black
HDMC-1500/SW	06.9010	15 m	black

Video Combination Cables



Particularly suitable for simultaneously connecting video signals and power supply to HD cameras.
- 1 x BNC plug on both ends for video connection, cable material: 75 Ω RG-59/U
- 1 x low-voltage plug/low-voltage inline jack Ø 5.5/2.1 mm each, for connecting a power supply

Model	Order No.	Length	Colour
VSC-100/SW	15.0790	10 m	black
VSC-100/WS	15.0290	10 m	white
VSC-180/SW	15.0800	18 m	black
VSC-180/WS	15.0280	18 m	white

BNC Connection Cables



- 75 Ω connection cable RG59/U
- 2 x BNC plug

Model	Order No.	Length	Colour	Special feature
BNC-050	08.0140	0.5 m	black	nickel-plated
BNC-100	08.0020	1 m	black	nickel-plated
BNC-100G	08.0030	1 m	black	gold-plated
BNC-300	08.0120	3 m	black	nickel-plated
BNC-300G	08.0130	3 m	black	gold-plated
BNC-1000	08.0180	10 m	black	nickel-plated
BNC-2500	08.0190	25 m	black	nickel-plated

BNC-501

Order No. 08.0300



BNC connection cable
- 75 Ω connection cable RG-59/U
- BNC plug and BNC inline jack, nickel-plated
- Length: 5 m

VEC-200

Order No. 06.2890



Video RF cable
- 75 Ω
- BNC and RCA connectors, nickel-plated
- Length: 2 m

TXS-100BNC

PAAR PAIR

Order No. 24.7770



Mounting brackets, for offset antenna mounting.
- Aluminium, black lacquered
- Fixed BNC jack, 100 cm antenna cable with BNC plug

TXS-70BNC

PAAR PAIR

Order No. 02.1490



Adapter cable set, for offset antenna mounting.
- 2 x 35 cm antenna cable with BNC plug
- 2 x BNC bushing

TXS-35BNC

PAAR PAIR 482 mm 19"

Order No. 24.7760



Mounting brackets, for offset antenna mounting.
- For 482 mm (19") rack installation
- Aluminium, black lacquered
- Fixed BNC jack, 35 cm antenna cable with BNC plug

TXS-1BNC

1x

Order No. 24.7750



Replacement telescopic antenna
- For VHF 175-225 MHz
- BNC connection

DMP-12CC

Order No. 21.2930



Connection cable for insertion modules of the DMP-... series as well as M-32CD and M-34CDP
- 5-pin multipoint connector to RCA jack L/R and low-voltage jack 5.5/2.1 mm
- Total cable length: approx. 40 cm

P-103CD

Order No. 21.0930



Replacement control cable, length: 2 m.
- 8-pole right-angle mini DIN plugs with gold-plated contact pins
- As standard control cable suitable for dual CD players and similar units

AD-200A

NEW

Order No. 06.9170



Digital to analogue audio converter

- For converting digital electronic signals (e.g. Toslink) into analogue audio signals
- Inputs: 1 x digital, coaxial (S/PDIF), 1 x optical (Toslink)
- Outputs: 1 x RCA L/R

AD-200D

NEW

Order No. 06.9180



Analogue to digital audio converter

- For converting analogue audio signals into digital electronic signals or optical signals (e.g. Toslink)
- Inputs: 1 x RCA L/R
- Outputs: 1 x digital, coaxial (S/PDIF), 1 x optical (Toslink)

OLA-20A

Order No. 06.8570



Right-angle Toslink adapter

- For optical signal transmission with optical fibre cables
- 1 x Toslink jack/1 x 3.5 mm Toslink plug

OLA-35JT

Order No. 06.8590



Toslink adapter

- For optical signal processing with optical fibre cables
- 1 x 3.5 mm mini Toslink plug jack/1 x Toslink plug

OLA-20T

Order No. 06.8580



Toslink connector

- For optical signal transmission with optical fibre cables
- 2 x Toslink jack

OLA-35T

Order No. 06.8600



Toslink adapter

- For optical signal transmission with glass fibre cables
- 1 x Toslink jack/1 x 3.5 mm mini Toslink plug

Optical Fibre Cables

For optical signal transmission.

- For high-end audio equipment with corresponding connection
- Ready made-up cable with optical plug-in connectors
- Typical transmission wavelength: 650 nm
- Admissible bending radius: 30 mm



Model	Order No.	Connectors	Length	Colour	Attenuation
OLC-100/SW	06.4180	2 x Toslink plug	1 m	black	0.18 dB/m
OLC-200/SW	06.4950	2 x Toslink plug	2 m	black	0.18 dB/m
OLC-500/SW	06.4960	2 x Toslink plug	5 m	black	0.18 dB/m

ACC-252/WS

Order No. 15.0470



Coaxial antenna cable, 75 Ω

- Double shielding
- Standard plug and standard inline jack (2.4/9.5 mm according to DIN 45325)
- Length: 2.5 m

F-Standard Connection Cables, 75 Ω



e.g. for satellite systems.

- Cable material RG-59/U
- 2 nickel-plated F-standard plugs

Model	Order No.	Length	Colour
ACF-152/WS	15.0500	1.5 m	white
ACF-252/WS	15.0510	2.5 m	white
ACF-502/WS	15.0520	5 m	white

ODP-34AC
Order No. 05.0183

IP67 2m

ODP-34AC/10
Order No. 05.0156

IP67 10m



Mains extension cable
- Fitted with screwable 3-pole plug and 3-pole inline jack
- Cable specification: H05VV-F3Gx2.5mm²

ODP-34DMX
Order No. 05.0184

IP67 2m

ODP-34DMX/10
Order No. 05.0157

IP67 10m



DMX extension cables
- Fitted with screwable 3-pole XLR plug and 3-pole XLR inline jack

ODP-77XLR/J
Order No. 05.0208



DMX adapter cable
- Fitted with screwable 3-pole plug and 3-pole XLR inline jack
- Cable specification: H05RN-F2x0.75mm²
- Length: 77 cm

ODP-77XLR/P
Order No. 05.0209



DMX adapter cable
- Fitted with screwable 3-pole inline jack and 3-pole XLR plug
- Cable specification: H05RN-F2x0.75mm²
- Length: 77 cm

ILDAC-20
Order No. 06.7480

ILDA connection cable, 20 m
This cable is used for connecting units with ILDA-compliant interface (ILDA=International Laser Display Association) to corresponding control devices.

- Fitted with 25-pole D-sub connectors, ready for connection
- Cable type: 28AWG
- Length: 20 m



SVGA Monitor Connection Cables
- High-quality cable material with double shielding and 2 ferrite cores for an interference-free transmission, even with greater cable lengths
- Gold-plated contacts
- Fitted with 2 x 15-pole D-sub plug



Model	Order No.	Length	Colour
SVGA-200	06.7770	2 m	black
SVGA-500	06.7780	5 m	black
SVGA-1000	06.7760	10 m	black

USBA-20CHDMI
Order No. 06.8860

USB

USB cable adapter
- USB-C™ plug to HDMI™ jack
- Cable length: 10 cm

Model	USBA-20CHDMI
Intended use	USB, HDMI™, adapter
Connectors	1 x USB-C™ plug 1 x HDMI™ jack
Length	0.23 m
Colour	white
Cable diameter	Ø 4 mm



USBA-31C4A
Order No. 06.8890

USB

USB multiport cable adapter, USB-C™ plug to 4 x USB 3.0 Type-A jack.
- SuperSpeed data transmission up to 5 Gbps
- Low-voltage jack 3.5/1.35 mm
- Matching power supply is available at option, e.g. PSS-1000E
- Length: 21 cm

Model	USBA-31C4A
Intended use	USB, data, adapter, hub
Connectors	1 x USB-C™ plug 4 x USB 3.0 Type-A
Cable specification	SuperSpeed
Length	0.21 m
Colour	white
Cable diameter	Ø 4 mm
Other features	jack for ⎓ 5 V/1 A



USB-3105CA
Order No. 06.8770

USB-311CA
Order No. 06.8800

USB-312CA
Order No. 06.8840

USB adapter cables, USB-C™ plug to USB 3.0 Type-A plug.
- SuperSpeed data transmission up to 5 Gbps
- Supports USB On-The-Go (OTG)

Model	USB-3105CA	USB-311CA	USB-312CA
Intended use	USB data, adapter	USB, data, adapter	USB, data, adapter
Connectors	1 x USB-C™ plug 1 x USB 3.0 Type-A plug	1 x USB-C™ plug 1 x USB 3.0 Type-A plug	1 x USB-C™ plug 1 x USB 3.0 Type-A plug
Cable specification	SuperSpeed	SuperSpeed	SuperSpeed
Length	0.5 m	1 m	2 m
Cable diameter	Ø 4 mm	Ø 5 mm	Ø 5 mm



USB-3105CC
Order No. 06.8790

USB-311CC
Order No. 06.8830

USB connection cables, with 2 x USB-C™ plug.
- Data transmission up to 10 Gbps (SuperSpeed+)
- Supports USB On-The-Go (OTG)

Model	USB-3105CC	USB-311CC
Intended use	USB, data	USB, data
Connectors	2 x USB-C™ plug	2 x USB-C™ plug
Cable specification	USB 3.1, SuperSpeed+	SuperSpeed+
Length	0.5 m	1 m
Colour	black	black
Cable diameter	Ø 4 mm	Ø 4 mm



USB-3102CBMC
Order No. 06.8760

USB cable adapter, USB-C™ plug to micro-B USB 2.0 plug.
- High-speed data transmission up to 480 Mbps

Model	USB-3102CBMC
Intended use	USB, data, adapter
Connectors	1 x USB-C™ plug 1 x micro-B USB 2.0
Cable specification	high-speed
Length	0.2 m
Colour	black
Cable diameter	Ø 4 mm



USB-3105CBM
Order No. 06.8780

USB-311CBM
Order No. 06.8810

USB adapter cables, USB-C™ plug to mini-B USB 2.0 plug.
- High-speed data transmission up to 480 Mbps

Model	USB-3105CBM	USB-311CBM
Intended use	USB, data, adapter	USB, data, adapter
Connectors	1 x USB-C™ plug 1 x mini-B USB 2.0	1 x USB-C™ plug 1 x mini-B USB 2.0 plug
Cable specification	high-speed	high-speed
Length	0.5 m	1 m
Colour	black	black
Cable diameter	Ø 4 mm	Ø 5 mm



USB-201CB
Order No. 06.8740

USB adapter cable, USB-C™ plug to USB 2.0 Type-B plug.
- High-speed data transmission up to 480 Mbps



USB-3102CAJ
Order No. 06.8750

USB cable adapter, from USB-C™ plug to USB 3.0 Type-A inline jack.
- SuperSpeed data transmission up to 5 Gbps
- Supports USB On-The-Go (OTG)
- Length: 20 cm



USBA-20CABMC
Order No. 06.8850

USB multiport cable adapter, USB-C™ plug to 1 x micro-B USB 2.0 jack and 1 x USB 2.0 Type-A jack.
- High-speed data transmission up to 480 Mbps
- Length: 23 cm



USBA-30CA
Order No. 06.8870

USB adapter, USB-C™ plug to USB 3.0 Type-A jack.
- SuperSpeed data transmission up to 5 Gbps
- White plastic body



USB 3.0 Connnection Cables

- Triple shielding for an interference-free SuperSpeed operation (up to 5 Gbps)
- USB Type-A plug to USB Type-B plug



Model	Order No.	Length	Colour
USB-302AB	06.7840	1.8 m	black
USB-303AB	06.7850	3 m	black

USB 3.0 Connnection Cables

For USB 3.0 hard disks with USB Type-A port.

- Triple shielding for an interference-free SuperSpeed operation (up to 5 Gbps)
- Gold-plated signal contacts for highest requirements
- USB Type-A plug



Model	Order No.	Length	Colour
USB-302AA	06.8150	1.8 m	black
USB-303AA	06.8170	3 m	black

USB 3.0 Connnection Cables

For external devices with micro USB 3.0 port.

- Triple shielding for an interference-free SuperSpeed operation (up to 5 Gbps)
- Gold-plated signal contacts for highest requirements
- USB Type-A plug to micro-B USB



Model	Order No.	Length	Colour
USB-301MICRO	06.8140	1 m	black
USB-302MICRO	06.8160	1.8 m	black

USB 3.0 Extension Cables

- Triple shielding for an interference-free SuperSpeed operation (up to 5 Gbps)
- Gold-plated signal contacts for highest requirements
- USB Type-A plug to USB Type-A inline jack



Model	Order No.	Length	Colour
USBV-302AA	06.8180	1.8 m	black
USBV-303AA	06.8190	3 m	black

USBA-10AA

Order No. 06.8490

USB adapter, straight

- USB 2.0
- 2 x USB Type-A jack



USBA-30AA

Order No. 06.8500

USB adapter, right-angle

- USB 2.0
- 1 x USB Type-A jack
- 1 x USB Type-A plug



USBA-30ABM

Order No. 06.8510

USB adapter, straight

- USB 2.0
- 1 x USB Type-A jack
- 1 x mini-B USB plug, 5 poles



USBA-30BMBMC

Order No. 06.8520

USB adapter, straight

- USB 2.0
- 1 x micro-B USB plug
- 1 x mini-B USB jack, 5 poles



USB Connnection Cables

- Transparent cable material with shielding for an interference-free high-speed operation (up to 480 Mbps)
- Gold-plated signal contacts for highest requirements

- USB Type-A plug to USB Type-B plug



Model	Order No.	Length	Colour
USB-201AB	06.6550	1 m	transparent
USB-203AB	06.6560	3 m	transparent
USB-205AB	06.6570	5 m	transparent

USB Extension Cables

- Transparent cable material with shielding for an interference-free high-speed operation (up to 480 Mbps)
- Gold-plated signal contacts for highest requirements
- USB Type-A plug to USB Type-A inline jack

- USBV-30AA is ideally suited for extending the USB port at the rear side of the PC to the front panel



Model	Order No.	Length	Colour
USBV-30AA	06.2800	0.3 m	transparent
USBV-60AA	06.2810	0.6 m	transparent
USBV-2025AA	06.6770	1.8 m	transparent

USB-180BM

Order No. 06.3400

USB connection cable, with mini-B USB plug (5 pins) to USB Type-A plug.

- For connecting devices with mini-B USB jack to a PC, e.g. digital cameras
- Black cable material with shielding for an interference-free operation
- Length: 1.8 m



USB-180BMC

Order No. 06.8340

USB connection cable, with micro-B USB plug to USB Type-A plug.

- For connecting devices with micro-B USB jack to a PC, e.g. digital cameras or smartphones
- Data cable
- Black cable material with shielding for an interference-free operation
- Length: 1.8 m



USB-20ABMC

Order No. 06.8130

USB cable adapter, from micro-B USB plug to USB Type-A inline jack.

- Supports USB On-The-Go (USB OTG)
- Gold-plated signal contacts for highest requirements
- Length: 20 cm



DA-70157

Order No. 06.8200

Converter USB/RS-485, for connecting a PC or laptop with USB interface to devices with a serial RS-485 interface.



NAUSBW

Order No. 34.8650

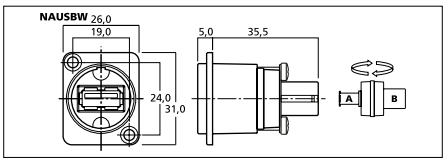
NAUSBWB

Order No. 34.8660

USB feed-through panel jacks, for integrating computer-based devices into audio and video systems as well as for audio networks like M-LAN, Cobra Net, etc.

- Reversible adapter for feed-through direction: USB Type-A/USB Type-B or USB Type-B/USB Type-A
- Ground connection between USB jack and body

NAUSBW = nickel-plated
NAUSBB = black





NE-8FDVYK
Order No. 34.6690



EtherCon panel jack
- RJ45 jack with insulation displacement connectors (IDC)
- Strain relief
- Complies with Cat. 5 requirements

NE-8FDYC6
Order No. 34.4070

NE-8FDYC6B
Order No. 34.4080

IP65





EtherCon panel jacks
- Complies with Cat. 6 requirements
- RJ45 jack with tool-free and gas-tight insulation displacement connectors (IDC)
- Earthing jumper with selectable grounding option

NE-8FDYC6 = nickel-plated
NE-8FDYC6B = black

NE-8FDP
Order No. 34.6890

NE-8FDPB
Order No. 34.8750





EtherCon feed-through panel jacks
- RJ45 jack with strain relief
- RJ45 jack in patch version
- Complies with Cat. 5 requirements

NE-8FDP = nickel-plated
NE-8FDPB = black

NE-8MC
Order No. 34.6700



EtherCon connector shell
- For twisted pair cables with an outside diameter of up to 8 mm
- Diecast shell with cable bending protection
- Complies with Cat. 5 requirements

Note:
The EtherCon connector shell must be connected to a Cat. cable fitted with an RJ45 plug!

CAT-6C
Order No. 08.0350



Cat. 6 dual inline jack
- For extending Cat. 6 network cables as required
- Fitted with RJ45 jacks on both ends
- Fully wired (all 8 poles)
- Diecast metal housing, with shielding

Image similar.

CAT-5CO
Order No. 08.0340



Cat. 5 crossover adapter
- For adapting a 1:1 Cat. 5 patch cable to a crossover patch cable
- RJ45 jack to RJ45 plug, 8 poles
- Plastic body, unshielded
- 10/100BASE-T, TIA 568 B

PATCH-24
Order No. 06.8310

482 mm 19"



24-port patch panel, for network installations.
- Category 6 (Cat. 6), 10/100/1,000 Mbps
- 24 x RJ45 jack
- Fully shielded version with cable strain relief
- LSA connection technology
- Colour codes according to EIA/TIA 568 A/B, printed on the PCB for an easier orientation
- Earthing connection
- 482 mm (19", 1 RS) rack installation
- Dimensions: 482 x 46 x 15 mm
- Weight: 1.57 kg

PATCH-8
Order No. 06.8320

8-port patch panel, for network installations.
- Category 6 (Cat. 6), 10/100/1,000 Mbps
- 8 x RJ45 jack
- Fully shielded version with cable strain relief
- LSA connection technology
- Colour codes according to EIA/TIA 568 A/B, printed on the PCB for an easier orientation
- Earthing connection
- Dimensions: 160 x 44 x 110 mm
- Weight: 600 g



Cat. 6 Flat Network Cables, U/UTP



- Very flat and flexible cable material (1.5 mm only), e.g. to easily lay underneath laminate flooring or behind skirting boards
- Small bending radius
- For 10GBASE-T Ethernet
- Data rate: 250 MHz max.
- RJ45 plug on both ends with moulded cable bending protection
- Gold-plated contact surfaces
- Configuration according to EIA/TIA 568
- Cable specification: 4x2xAWG 26/7 CU
- Width: 6 mm, thickness: 1.5 mm

Model	Order No.	Length	Colour	Load
CAT-605F/SW	06.9090	0.5 m	black	Cat. 6, 250 MHz
CAT-61F/SW	06.9100	1 m	black	Cat. 6, 250 MHz
CAT-62F/SW	06.9110	2 m	black	Cat. 6, 250 MHz
CAT-65F/SW	06.9120	5 m	black	Cat. 6, 250 MHz
CAT-610F/SW	06.9130	10 m	black	Cat. 6, 250 MHz

Cat. 6 Network Cables, Multiple Shielding, S/FTP



- 1 Gbps
- Conductor pairs in metal foil (PiMF)
- Overall braided shield
- RJ45 plug with moulded cable support sleeve
- Gold-plated contacts
- Configuration according to EIA/TIA 568
- Cable specification: 4x2xAWG 27/7 CU

Model	Order No.	Length	Colour	Load
CAT-6025	06.8210	0.25 m	grey	Cat. 6, 250 MHz
CAT-605	06.8220	0.5 m	grey	Cat. 6, 250 MHz
CAT-61	06.8230	1 m	grey	Cat. 6, 250 MHz
CAT-62	06.8270	2 m	grey	Cat. 6, 250 MHz
CAT-63	06.8290	3 m	grey	Cat. 6, 250 MHz
CAT-65	06.8300	5 m	grey	Cat. 6, 250 MHz
CAT-610	06.8240	10 m	grey	Cat. 6, 250 MHz
CAT-620	06.8280	20 m	grey	Cat. 6, 250 MHz

Cat. 5e Network Cables, S/FTP



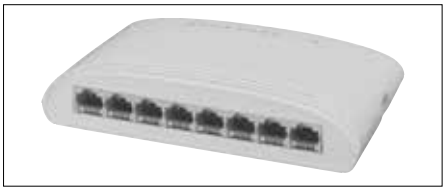
- 100 Mbps
- Double shielding
- RJ45 plug with moulded cable support sleeve
- Configuration according to EIA/TIA 568
- Cable specification: 4x2xAWG 26/7 CCA

Model	Order No.	Length	Colour	Load
CAT-505	06.6500	0.5 m	grey	Cat. 5e, 100 MHz
CAT-51	06.6510	1 m	grey	Cat. 5e, 100 MHz
CAT-53	06.6520	3 m	grey	Cat. 5e, 100 MHz
CAT-55	06.6530	5 m	grey	Cat. 5e, 100 MHz
CAT-510	06.6980	10 m	grey	Cat. 5e, 100 MHz
CAT-520	06.6990	20 m	grey	Cat. 5e, 100 MHz
CAT-550	06.7000	50 m	grey	Cat. 5e, 100 MHz

SWITCH-8/1GB

Order No. 06.8620





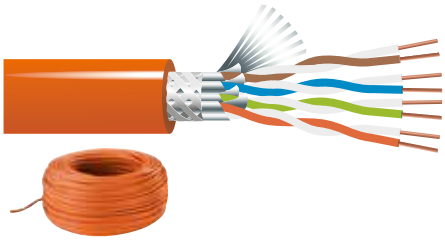
8-port Gigabit Ethernet switch/hub

- Auto-switching 10/100/1,000 Mbps
- Standards: 802.3 Ethernet, 802.3u Fast Ethernet, 802.3ab Gigabit Ethernet, 802.3az EEE, IEEE 802.3x Flow Control
- Full-duplex and half-duplex for Ethernet and Fast Ethernet, full-duplex (2,000 Mbps) for Gigabit Ethernet
- Supports jumbo frames (9216 bytes) in Gigabit mode
- Automatic crossover detection and crossover adjustment
- 8 x RJ45 jack
- Power is provided via enclosed power supply

CAT-7100A
Order No. 06.8900

100 m

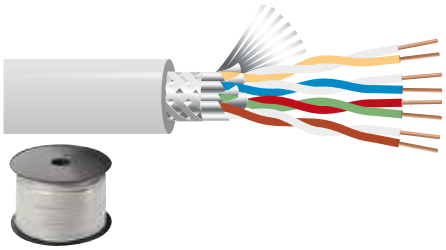
Cat. 7_A installation cable, multiple shielding, S/FTP
- 100 m, shrink-wrapped coil
- 10 Gbps, 1,000 MHz
- Conductor pairs in metal foil (PiMF) and according to EIA/TIA 568
- Overall braided shield
- Cable specification: 4x2xAWG 23
- Outside diameter: Ø 7.50 mm



CAT-6100CCA
Order No. 06.8260

100 m

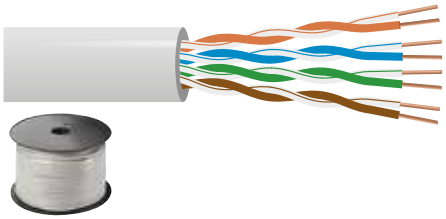
Cat. 6 installation cable, multiple shielding, S/FTP
- 100 m reel
- 1 Gbps, 250 MHz
- Conductor pairs in metal foil (PiMF) and according to EIA/TIA 568
- Overall braided shield
- Cable specification: 4x2xAWG 23/1 CCA (copper-clad aluminium conductor)
- Outside diameter: Ø 8 mm



CAT-5100UTP
Order No. 06.1260

100 m

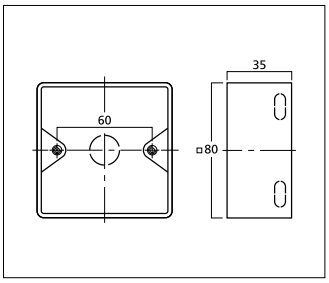
Cat. 5e installation cable, 125 MHz UTP
- 100 m reel
- 4 x (2 x 0.14 mm²)
- Without shielding
- Cable specification: 4x2xAWG 26/7 CU (copper conductor)
- Outside diameter: Ø 6 mm



CAT-6JB
Order No. 08.0360

Network connection box
- Flush-mounted wall socket with surface-mounted frame for general applications
- Category 6 (Cat. 6), 10/100/1,000 Mbps
- 2 x RJ45 jack
- Fully shielded version with cable strain relief
- LSA connection technology
- Colour coding according to EIA/TIA 568 A/B
- Dimensions: 80 x 80 x 45 mm
- Weight: 180 g





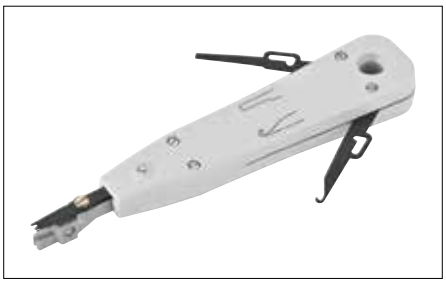
CAT-1TEST
Order No. 29.2070

Line tester, for testing the continuity of Cat. 5, Cat. 6 and ISDN network lines.
- Connection test with LED indication for 8 single cores and shielding
- Detection of continuity, miswiring, disconnection, short circuit, crossover cable and earthing
- Power supply via 9 V battery (not supplied)
- Supplied with protective bag



CAT-1TOOL
Order No. 31.0060

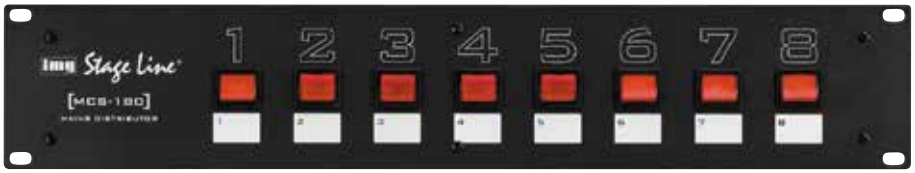
Network punch down tool, for professional wiring, e.g. of patch panels and network sockets.
- For LSA connection technology (without soldering, screwing and stripping)
- Metal insertion blade
- Draw-hook and blade release, folding
- Belt clip





MCS-180

Order No. 05.0002



Rack-mount power strip, with 8 earthed sockets.
- Sockets can be switched individually via illuminated switches
- Black sheet steel housing
- 1.8 m connection cable with earthed plug
- Cable specification H05VV-F3G 1.5 mm², 3,600 VA max.
- Dimensions: 482 x 89 x 110 mm, 2 RS

RCS-92/SW

Order No. 11.1410



Rack-mount power strip, with 9 earthed sockets.
- Sockets turned by 45°
- Black aluminium housing
- Removable mounting brackets
- 2 m connection cable with earthed plug
- Cable specification: H05VV-F3G x 1.5 mm², 3,600 VA max.
- Dimensions: 482 x 44 x 45 mm, 1 RS

RCS-85/SW

Order No. 11.1850



Rack-mount power strip, with an illuminated main switch on the front panel and 8 earthed sockets on the rear panel.
- Sockets turned by 45°
- Black aluminium housing
- Removable mounting brackets to allow for reversed mounting
- 2 m connection cable with earthed plug
- Cable specification: H05VV-F3G x 1.5mm², 3,600 VA max.
- Dimensions: 482 x 44 x 52 mm, 1 RS

RCS-18

Order No. 11.1200



Rack-mount power strip, with 8 earthed sockets and overvoltage protection.
- Child safety sockets
- Sockets turned by 45°
- Illuminated main switch
- Black plastic housing
- 1 m connection cable with earthed plug, cable inlet can be turned by 90° via flexible joint
- Cable specification: H05VV-F3G x 1.5 mm², 3,600 VA max.
- Dimensions: 482 x 44 x 60 mm, 1 RS

RCS-1000N

Order No. 05.9947



Remote-controlled switch socket set, pack of 3
- Frequency: 433.92 MHz
- Operating range: up to 25 m
- Child safety sockets
- Power rating: up to 1,000 W per socket
- Power supply via mains socket: ~ 230 V/50 Hz
- Matching 12 V replacement battery (type A23) is available at option, e.g. LRV-08

SPA-135

Order No. 05.1502



Surge protector, for electronic devices connected to the 230 V mains.
- Protection against current peaks up to 13.5 kA
- Child safety socket
- Function indicator
- Connect. load: ~ 230 V/50 Hz/3,500 VA

MEP-1S

Order No. 05.0091



Plug-in earthed socket with switch, suitable for devices without on/off switch.
- Child safety socket
- Illuminated mains switch
- Connected load: ~ 230 V/50 Hz/3,600 VA max.

MCS-15MS
Order No. 05.9713

Master/slave multi-socket power strip
When the connected appliance is switched on or off, other sockets are also switched on or off via the master socket.
- Protection against overvoltage and lightning up to 15,000 A, functional test via indicating light
- 1 master earthed socket (550 W max.), 5 slave earthed sockets
- Adjustable switching threshold
- Child safety sockets
- Sockets turned by 45°
- Cable specification: H05VV-F3G x 1.5 mm², 3,500 VA max.
- 3 m connection cable with earthed plug



MCS-44/WS
Order No. 05.0543
MCS-44/SW
Order No. 05.0042

Tabletop multi-socket power strips, with 4 earthed sockets, 4 Euro sockets and illuminated main switch.
- White (WS) or black (SW)
- Sockets turned by 45°
- Cable specification: H05VV-F3G x 1.5 mm²
- 1.5 m connection cable with earthed plug



MCS-6FS
Order No. 05.9948

Multi-socket power strip, with external foot switch.
- Robust foot switch with indicator light and 2 m connection cable
- 6 earthed sockets
- Child safety sockets
- Sockets turned by 45°
- Cable specification: H05VV-F3G x 1.5 mm², 3,680 VA max.
- 2 m connection cable with earthed plug



MC-60/WS
Order No. 05.0542
MC-62/SW
Order No. 05.0044

Tabletop multi-socket power strips, with 6 earthed sockets.
- White (WS) or black (SW)
- Sockets turned by 45°
- Cable specification: H05VV-F3G x 1.5 mm²
- 1.5 m connection cable with earthed plug



MCS-10/SW
Order No. 05.9714

Double row power strip, 2 individually switchable power strips, each with 5 earthed sockets and 1 illuminated main switch in one housing.
- Child safety sockets
- Sockets turned by 45°
- 2 wide spaced sockets for plug-in power supplies
- Cable specification: H05VV-F3G x 1.5 mm²
- 2 m connection cable with earthed plug



MC-30/WS
Order No. 05.0541
MC-32/SW
Order No. 05.0043

Tabletop multi-socket power strips, with 3 earthed sockets.
- Sockets turned by 45°
- Cable specification: H05VV-F3G x 1.5 mm²
- 1.5 m connection cable with earthed plug



MCR-10
Order No. 25.1770

Cable reel, with 10 m mains cable.
- Closed plastic housing
- 4 earthed sockets
- Protected against overheating
- Indicating light for overheating and overload
- Cable specification: H05VV-F3G x 1.5 mm²
- Dimensions: 225 x 270 x 75 mm
- Weight: 1.5 kg



MEP-21
Order No. 05.9978

3-way socket splitter
- Round earthed plug to 2 x Euro socket and 1 x earthed socket
- Child safety sockets
- Max. load: 3,600 VA



MC-315/WS
Order No. 05.7951 — 3 m
MC-515/WS
Order No. 05.7971 — 5 m

Mains extension cables, with earthed plug and socket
- Cable specification: H05VV-F3G x 1.5 mm²
- 3,600 VA max.



Full specifications can be found on our website www.monacor-international.de.

AAC-170/SW
Order No. 05.9949

Mains extension cable
- Shrouded 3-pin IEC plug to 3-pin IEC inline jack
- Cable specification: H05VV-F3G x 0.75mm²
- Length: 1.5 m



AAC-180/SW
Order No. 05.0015

Mains cable
- Right-angle earthed plug to right-angle 3-pin IEC inline jack
- Cable specification: H05VV-F3G x 0.75 mm²
- Length: 1.8 m



AAC-182/SW
Order No. 05.0016

Mains cable
- Right-angle earthed plug to 3-pin IEC inline jack
- Cable specification: H05VV-F3G x 0.75 mm²
- Length: 1.8 m



AAC-200
Order No. 05.0170

Mains cable
- Right-angle earthed plug to right-angle 3-pin IEC inline jack
- Cable specification: H05VV-F3G x 0.75 mm²
- Length: 2 m



AAC-203/GR
Order No. 05.0180

Mains cable
- Earthed plug to 3-pin IEC inline jack
- Cable specification: H05VV-F3G x 0.75 mm²
- Length: 2 m



AAC-100IEC
Order No. 05.9711 — 1m

AAC-200IEC
Order No. 05.0097 — 2m

AAC-500IEC
Order No. 05.0112 — 5m

Mains cables
- 3-pin IEC inline jack with IEC LOCK
- Cable specification: H05VV-F3G x 1mm²



AAC-215P
Order No. 11.1290

Mains cable
- Right-angle earthed plug to NEUTRIK POWERCON plug NAC-3FCHC
- Cable specification: H05VV-F3G x 1.5 mm²
- Length: 2 m



AAC-115P
Order No. 11.0560

Mains cable
- Right-angle earthed plug to NEUTRIK POWERCON plug NAC-3FCA
- Cable specification: H05VV-F3G x 1.5 mm²
- Length: 2 m



ADC-120VDE
Order No. 05.0200

Mains cable
- Moulded Euro plug (DIN 49464)
- 2 x 0.75 mm²
- 2.5 A/250 V
- Length: 1.2 m



AC-200BK
Order No. 05.0230

Mains cable
- Euro plug to cable end sleeves
- Cable specification: H03VV-F2 x 0.75mm², cable outside diameter: 5.5 x 3.5 mm
- Length: 2 m



AC-203/SW
Order No. 05.0190

Mains cable
- Earthed plug to cable end sleeves
- Cable specification: H05VV-F3 x 0.75 mm²
- Length: 2 m



AC-210/SW
Order No. 05.9280

Mains cable
- Right-angle earthed plug to cable end sleeves
- Cable specification: H05VV-F3G x 1.5 mm²
- Length: 2 m



AAC-140P
Order No. 34.6820

IP44

Earthed plug
- Rubber body
- Connection: 3 x 1.5 mm² max.
- Max. rating: ~ 250 V/16 A



AAC-180JC
Order No. 34.6420

IP54

Weatherproof earthed panel socket
- With protective cover
- Max. rating: ~ 250 V/16 A



AAC-140J
Order No. 34.6810

Earthed inline jack
- Rubber body
- Connection: 3 x 1.5 mm² max.
- Max. rating: ~ 250 V/16 A



AAC-180J
Order No. 34.6410

Earthed panel socket
- Max. rating: ~ 250 V/16 A



AAC-170P
Order No. 34.6400

3-pin IEC plug
- With earthing contact
- Max. rating: ~ 250 V/10 A



AAC-150J
Order No. 34.0010

Panel plug
- For IEC appliances
- With earthing contact
- Max. rating: ~ 250 V/6 A



AAC-170J
Order No. 34.6390

3-pin IEC inline jack
- With earthing contact
- Max. rating: ~ 250 V/10 A



AAC-150PF
Order No. 34.3220

Panel plug
- With fuse holder for IEC appliances
- With earthing contact
- Max. rating: ~ 250 V/6 A



AAC-170J/IEC
Order No. 34.4850

3-pin IEC inline jack
- IEC LOCK
- With earthing contact
- Power rating: ~ 250 V/10 A



AAC-150J/IEC
Order No. 34.9080

3-pin IEC panel jack
- IEC LOCK
- Max. rating: ~ 250 V/10 A



NEUTRIK POWERCON True1 Connectors

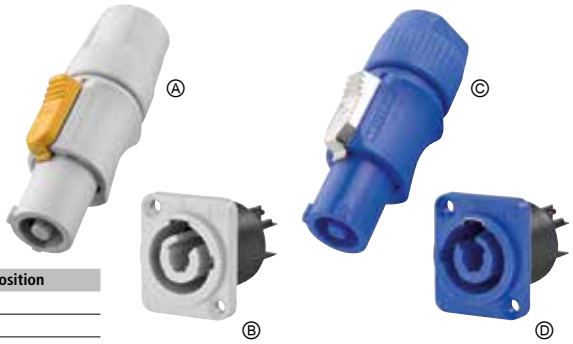
- Complies with safety requirements of IEC 60320, VDE-certified
- For mains connection up to ~ 250 V/16 A
- Connections for ground, phase and neutral conductor, connector can be connected under load
- Robust version with latching device and cable inlet with self-adjusting clamps (plug and inline jack only)
- Self-extinguishing according to UL 94V-0
- Protection class IP65 (NAC-3FXW and NAC-3MXW)



Model	Order No.	Type	Power rating	Insulating resistance	Position
NAC-3MPX	34.8840	panel plug	~ 250 V/16 A	> 100 MΩ	C
NAC-3MXW	34.3060	plug	~ 250 V/16 A	> 100 MΩ	B
NAC-3FPX	34.8910	panel jack	~ 250 V/16 A	> 100 MΩ	D
NAC-3FXW	34.3050	inline jack	~ 250 V/16 A	> 100 MΩ	A

NEUTRIK POWERCON Connectors

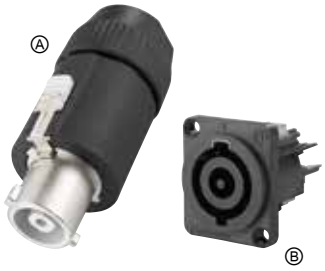
- For mains connection up to ~ 250 V/20 A
- 2 versions for mains input and for mains output
- Connections for ground, phase and neutral conductor
- Robust version with latching device, all-insulated contacts and cable inlet with self-adjusting clamps (plugs only)
- Self-extinguishing according to UL 94V-0



Model	Order No.	Type	Power rating	Insulating resistance	Position
NAC-3FCB	34.5650	PowerCon plug, output	~ 250 V/20 A	> 100 MΩ	A
NAC-3MPB1	34.8780	panel jack	~ 250 V/20 A	> 100 MΩ	B
NAC-3FCA	34.5640	PowerCon plug, input	~ 250 V/20 A	> 100 MΩ	C
NAC-3MPA1	34.8790	panel jack	~ 250 V/20 A	> 100 MΩ	D

NEUTRIK POWERCON Connectors

- For mains connection with a high power rating of up to ~ 250 V/32 A
- Screw terminals for ground, phase and neutral conductor
- For cable cores: 2.5-6 mm²
- Robust version with latching device and cable inlet with self-adjusting clamps (plug only)



Model	Order No.	Type	Power rating	Insulating resistance	Position
NAC-3FCHC	34.8380	plug	~ 250 V/32 A	> 10 GΩ	A
NAC-3MPHC	34.8390	panel jack	~ 250 V/32 A	> 10 GΩ	B

CC221-500

Order No. 34.0730

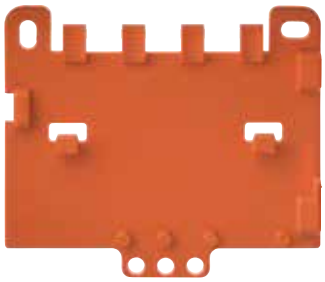
Mounting adapter from WAGO, for connecting terminals with 2, 3 and 5 conductors, e.g. CC-142, CC-143, CC-145.



CC222-505

Order No. 34.0740

Strain relief plate from WAGO, can be attached to mounting adapter CC221-500.



CC222-510

Order No. 34.0750

Universal angle adapter from WAGO, for installation onto DIN 35 mounting rail when combined with mounting adapter CC221-500.



CC-142

Order No. 34.2270

CC-143

Order No. 34.2360

CC-145

Order No. 34.2460



Connecting terminal from WAGO

- Terminal with operating levers
- Different types of wires and cross sections from 0.14 to 4 mm2 can be combined as required
- Power rating: 450 V/32 A
- Two test slots for any standard test prod

CC-142: 2-conductor terminal
CC-143: 3-conductor terminal
CC-145: 5-conductor terminal

CC-132

Order No. 34.8670

CC-133

Order No. 34.7180

CC-135

Order No. 34.7420



Connecting terminals from WAGO

- Terminal with operating levers
- For flexible conductors: 0.08-4 mm²
- For fixed conductors: up to 2.5 mm²
- Power rating 2.5 mm²: 400 V/24 A, 4 mm²: 400 V/32 A

CC-132: 2-conductor terminal
CC-133: 3-conductor terminal
CC-135: 5-conductor terminal

NEUTRIK SPEAKON Connectors

Series of Speakon connectors for professional speaker connection technology. Robust design, latching device, all-insulated contacts, cable inlet with self-adjusting clamps.

- Contact resistance: ≤ 3 mΩ
- Operating voltage: ~ 250 V (music signal)
- Self-extinguishing according to UL 94V-0

NL-2FX

Order No. 34.0350

NEUTRIK SPEAKON plug

- 2-pole screw terminal for litz wires up to 4 mm²
- For cables up to: Ø 6-10 mm



NL-4FRX

Order No. 34.6550

NEUTRIK SPEAKON plug, right-angle version.

- 4-pole screw terminal for litz wires up to 6 mm²
- For cables: Ø 6-14 mm



NL-4FC

Order No. 34.4210

NEUTRIK SPEAKON plug

- 4-pole screw terminal for litz wires up to 4 mm²
- For cables: Ø 6-15 mm
- Supplied with a further clamping sleeve for cables below Ø 6 mm



NLT-4FX

Order No. 34.6830

IPX4

NEUTRIK SPEAKON plug

- Metal body, weatherproof
- 4-pole soldered connection for litz wires up to 6 mm²
- For cables: Ø 9-16 mm



NL-4FX

Order No. 34.6560

NEUTRIK SPEAKON plug

- 4-pole screw terminal for litz wires up to 6 mm²
- For cables: Ø 6-14 mm



NLT-4MX

Order No. 34.6840

IPX4

NEUTRIK SPEAKON inline jack

- Metal body
- Weatherproof
- 4-pole soldered connection for litz wires up to 6 mm²
- For cables: Ø 9-16 mm



NL-8FC

Order No. 34.4250

NEUTRIK SPEAKON plug

- 8-pole screw terminal for litz wires up to 4 mm²
- For cables: Ø 8-20 mm



NL-4MMX

Order No. 34.6540

NEUTRIK SPEAKON connection piece, inline jack/inline jack

- 4 poles



Full specifications can be found on our website www.monacor-international.de.

NL-2MP
Order No. 34.5980

NEUTRIK SPEAKON panel jack
- 2 poles



XLR-307/P
Order No. 34.5200

XLR-307/J
Order No. 34.5190

Miniature XLR connectors, 3 poles
- Gold-plated contacts
- For cables: Ø 3.5 mm

XLR-307/P = plug
XLR-307/J = inline jack



NL-4MP
Order No. 34.4230

NEUTRIK SPEAKON panel jack
- 4 poles



XLR-308/P
Order No. 34.5220

Miniature XLR panel plug, 3 poles
- Gold-plated contacts
- Mounting hole: 11 mm



NL-4MPR
Order No. 34.4240

NEUTRIK SPEAKON panel jack
- 4 poles



XLR-407/P
Order No. 34.7590

XLR-407/J
Order No. 34.7580

Miniature XLR connectors, 4 poles
- Gold-plated contacts
- For cables: Ø 3.5mm

XLR-407/P = plug
XLR-407/J = inline jack



NLT-4MP
Order No. 34.6860

IPX4

NEUTRIK SPEAKON panel jack
- Weatherproof
- 4 poles
- With metal cover



DLT-123
Order No. 34.6790

DMX resistance terminating plug,
for lighting systems with DMX512 interface.
- 3-pole NEUTRIK XLR plug
- Nickel-plated metal body
- Terminating resistance: 120 Ω
- Not suitable for speaker and audio applications



NL-8MPR
Order No. 34.4270

NL-8MPRBAG
Order No. 34.6440

NEUTRIK SPEAKON panel jack
- 8 poles
- With metal cover

NL-8MPR = nickel-plated
NL-8MPRBAG = black



NC-3MX
Order No. 34.4680
NC-3FX
Order No. 34.4670

NEUTRIK XLR connectors, 3 poles
- For cables: Ø 3.5-8 mm

NC-3MX = plug
NC-3FX = inline jack



NC-3MXX
Order No. 34.7490
NC-3FXX
Order No. 34.7450

NEUTRIK XLR connectors, 3 poles
- High-quality version
- For cables: Ø 3.5-8 mm

NC-3MXX = plug
NC-3FXX = inline jack



NC-3MXBAG
Order No. 34.4530
NC-3FXBAG
Order No. 34.4520

XLR connectors, 3 poles
- For cables: Ø 3.5-8 mm

NC-3MXBAG = plug
NC-3FXBAG = inline jack



NC-3MXXBAG
Order No. 34.7510
NC-3FXXBAG
Order No. 34.7470

NEUTRIK XLR connectors, 3 poles
- High-quality version
- For cables: Ø 3.5-8 mm

NC-3MXXBAG = plug
NC-3FXXBAG = inline jack



NC-3MXB
Order No. 34.5330
NC-3FXB
Order No. 34.5320

NEUTRIK XLR connectors, 3 poles
- Gold-plated contacts
- For cables: Ø 3.5-8 mm

NC-3MXB = plug
NC-3FXB = inline jack



NC-3MXXB
Order No. 34.7500
NC-3FXXB
Order No. 34.7460

NEUTRIK XLR connectors, 3 poles
- High-quality version
- Gold-plated contacts
- For cables: Ø 3.5-8 mm

NC-3MXXB = plug
NC-3FXXB = inline jack



NC-3MRX
Order No. 34.8300
NC-3FRX
Order No. 34.8290

XLR connectors, 3 poles
- Right-angle version
- Nickel-plated metal body
- Slim body
- Selectable cable outlet positions
- For cables: Ø 3.5-8 mm



NC-3MRX = plug
NC-3FRX = inline jack

NCA-407/P
Order No. 34.4780
NCA-407/J
Order No. 34.4770

XLR connectors, 3 poles
- Right-angle version
- Gold-plated contacts
- For cables: Ø 7 mm



NCA-407/P = plug
NCA-407/J = inline jack

XCR-10SET
Order No. 34.6370
10x
XXCR-10SET
Order No. 34.7550
10x

Colour coding rings, for XLR connectors from NEUTRIK.

XCR-10SET = NC-MX series, NC-FX series
XXCR-10SET = NC-MXX series, NC-FXX series



Full specifications can be found on our website www.monacor-international.de.

XLR Plugs, 3 poles



- Metal version
- Nickel-plated contacts
- Cable bending protection and self-adjusting clamps as strain relief
- Different colour codings

Model	Order No.	Type	Colour/colour coding	Cable inlet
XLR-207P/BL	34.7760	plug	blue	Ø 7 mm
XLR-207P/GE	34.7770	plug	yellow	Ø 7 mm
XLR-207P/GN	34.7780	plug	green	Ø 7 mm
XLR-207P/RT	34.7790	plug	red	Ø 7 mm
XLR-207P/SW	34.7800	plug	black	Ø 7 mm

XLR Inline Jacks, 3 poles



- Metal version
- Nickel-plated contacts
- Cable bending protection and self-adjusting clamps as strain relief
- Different colour codings

Model	Order No.	Type	Colour/colour coding	Cable inlet
XLR-207J/BL	34.7710	inline jack	blue	Ø 7 mm
XLR-207J/GE	34.7720	inline jack	yellow	Ø 7 mm
XLR-207J/GN	34.7730	inline jack	green	Ø 7 mm
XLR-207J/RT	34.7740	inline jack	red	Ø 7 mm
XLR-207J/SW	34.7750	inline jack	black	Ø 7 mm

XLR-803/P
Order No. 34.8990

XLR-803/J
Order No. 34.8980



XLR connectors, 3 poles
- Cable bending protection and self-adjusting clamps as strain relief
- For cables: Ø 6-9 mm

XLR-803/P = plug
XLR-803/J = inline jack

XLR-823/P/SW
Order No. 34.9050

XLR-823/J/SW
Order No. 34.9040



XLR connectors, 3 poles
- Cable bending protection and self-adjusting clamps as strain relief
- For cables: Ø 5-7.5 mm

XLR-823/P/SW = plug
XLR-823/J/SW = inline jack

NC-407/P
Order No. 34.4760

NC-407/J
Order No. 34.4750



XLR connectors, 3 poles
- Gold-plated contacts
- For cables up to: Ø 6 mm

NC-407/P = plug
NC-407/J = inline jack

XLR-707/P
Order No. 34.2330

XLR-707/J
Order No. 34.2320



XLR connectors, 3 poles
- Gold-plated contacts
- Cable bending protection and self-adjusting clamps as strain relief
- For cables: Ø 3.5-6 mm

XLR-707/P = plug
XLR-707/J = inline jack

NC-507/P
Order No. 34.0780

NC-507/J
Order No. 34.0770



XLR connectors, 3 poles
- Gold-plated contacts
- For cables up to: Ø 7 mm

NC-507/P = plug
NC-507/J = inline jack

NC-3MDLX
Order No. 34.8040

NC-3FDLX
Order No. 34.8020



XLR panel connectors, 3 poles
- Silver-coated contacts
- Double ground contact

NC-3MDLX = panel plug
NC-3FDLX = panel jack

NC-3MDLXBAG
Order No. 34.8050

NC-3FDLXBAG
Order No. 34.8030



XLR panel connectors, 3 poles
- Silver-coated contacts
- Double ground contact

NC-3MDLXBAG = panel plug
NC-3FDLXBAG = panel jack

NC-3MDL1
Order No. 34.4700

NC-3FDL1
Order No. 34.4690



XLR panel connectors, 3 poles
- Solder lugs

NC-3MDL1 = panel plug
NC-3FDL1 = panel jack

NC-3MDL1BAG
Order No. 34.4550

NC-3FDL1BAG
Order No. 34.4540



XLR panel connectors, 3 poles
- Solder lugs

NC-3MDL1BAG = panel plug
NC-3FDL1BAG = panel jack

XLR-833D/P
Order No. 34.9070

XLR-833D/J
Order No. 34.9060



XLR panel connectors, 3 poles

XLR-833D/P = panel plug
XLR-833D/J = panel jack

NC-3FDS1B
Order No. 34.0320

NC-3MDS1B
Order No. 34.0330



XLR panel connectors, 3 poles
- Screw terminals
- For cond. cross section: 0.14-0.5 mm²

NC-3MDS1B = panel plug
NC-3FDS1B = panel jack

NC-3MP
Order No. 34.5390

NC-3FP1
Order No. 34.5410



XLR panel connectors, 3 poles
- Solder lugs
- P series

NC-3MP = panel plug
NC-3FP1 = panel jack

NC-3MPB
Order No. 34.5400

NC-3FP1B
Order No. 34.5370



XLR panel connectors, 3 poles
- Solder lugs
- P series

NC-3MPB = panel plug
NC-3FP1B = panel jack

NC-508/P
Order No. 34.0800

NC-508/J
Order No. 34.0790



XLR panel connectors, 3 poles
- Gold-plated contacts
- P series standard

NC-508/P = plug
NC-508/J = jack

NC-506/P
Order No. 34.3580

NC-506/J
Order No. 34.3570



XLR panel connectors, 3 poles
- Gold-plated contacts
- P series standard

NC-506/P = plug
NC-506/J = jack

XLR-508/PP
Order No. 34.3200

XLR-508/JP
Order No. 34.3190



XLR panel connectors, 3 poles
- PCB mounting

XLR-508/PP = plug
XLR-508/JP = jack, solder lugs

XLR-508/P
Order No. 34.2090

XLR-508/J
Order No. 34.2080



XLR panel connectors, 3 poles

XLR-508/P = plug
XLR-508/J = jack

NCJ-5FIS
Order No. 34.6020
NCJ-6FIS
Order No. 34.6030

MONO
STEREO

Combo panel jacks
- 6.3 mm mono jack and 3-pole XLR jack



XLR-703JSM
Order No. 34.8810

Shock-mount base with XLR socket
- Attenuation of impact noise and structure-borne noise due to rubber-cushioned 3-pole XLR socket
- 1.2 m connection cable with 3-pole XLR plug



NA-3MDF
Order No. 34.8520
NA-3FDM
Order No. 34.8510

XLR feed-through adapters, 3 poles

NA-3MDF: XLR plug/XLR jack
NA-3FDM: XLR jack/XLR plug



XLR-804/P
Order No. 34.9010
XLR-804/J
Order No. 34.9000

XLR connectors, 4 poles
- Self-adjusting clamps as strain relief
- For cables: Ø 6-9 mm

XLR-804/P = plug
XLR-804/J = inline jack



NDM-1
Order No. 34.8560
NDF-1
Order No. 34.8540

Rubber dust covers

NDM-1 = for XLR panel plugs
NDF-1 = for XLR panel jacks



NC-5MX
Order No. 34.6010
NC-5FX
Order No. 34.6000

XLR connectors, 5 poles
- For cables: Ø 3.5-8 mm
- Self-adjusting clamps as strain relief

NC-5MX = plug
NC-5FX = inline jack



SCDR-1/SW
Order No. 34.4090

Protective sleeve
- Suitable for panel connectors of D series standard
- For rear protection
- Suitable for all standard cable diameters
- Soft plastic version, black



XLR-805/P
Order No. 34.9030
XLR-805/J
Order No. 34.9020

XLR connectors, 5 poles
- Self-adjusting clamps as strain relief
- For cables: Ø 6-9 mm

XLR-805/P = plug
XLR-805/J = inline jack



SCDX-1/SW
Order No. 34.4100

Sealing cover
- Suitable for panel connectors of D series standard
- Dustproof and splashproof according to IP42
- Plastic version, cover with snap lock



NC-5MDL1
Order No. 34.6070
NC-5FDL1
Order No. 34.6060

XLR panel connectors, 5 poles
- Solder pins

NC-5MDL1 = plug
NC-5FDL1 = jack



SCDP-1/SW
Order No. 34.8620

Flange seal
- Suitable for panel connectors of D series standard
- For protection from dust and moisture
- Black rubber version



MFD-1
Order No. 11.1250

Mounting frame, with M3 thread.
- Suitable for panel connectors of D series standard
- For mounting with M3 screws (not supplied)
- Supplied w/o connector



NP-2X
Order No. 34.7000
NP-3X
Order No. 34.7010

MONO STEREO

6.3 mm plugs
- High-quality version
- Strain relief and cable bending protection
- For cables up to: Ø 4-7 mm



NP-2XL
Order No. 34.8860

6.3 mm mono plug
- Strain relief
- For cables with a large outside diameter up to: Ø 10 mm



NP-2XBAG
Order No. 34.6990
NP-3XBAG
Order No. 34.7020

MONO STEREO

6.3 mm plugs
- High-quality version
- Strain relief
- For cables up to: Ø 4-7 mm



NP-2RX
Order No. 34.8080
NP-3RX
Order No. 34.8060

MONO STEREO

6.3 mm plugs, right-angle
- All-metal body
- Extra slim, non-slip body
- Strain relief
- For cables up to: Ø 4-7 mm



NP-2C
Order No. 34.5300
NP-3C
Order No. 34.5310

MONO STEREO

6.3 mm plugs
- Strain relief
- For cables up to: Ø 4-7 mm



NP-2RXB
Order No. 34.8090
NP-3RXB
Order No. 34.8070

MONO STEREO

6.3 mm plugs, right-angle
- Gold-plated contacts
- All-metal body
- Slimline, non-slip body
- Strain relief
- For cables up to: Ø 4-7 mm



NP-2CBAGP
Order No. 34.4710
NP-3CBAGP
Order No. 34.4720

MONO STEREO

6.3 mm plugs
- Strain relief
- For cables up to: Ø 4-7 mm



NP-2XSILENT
Order No. 34.8410

6.3 mm mono plug
- Muting function via integrated magnetic switch
- Gold-plated contacts
- Rubber-covered body, red
- Strain relief and cable bending protection
- For cables up to: Ø 4-7 mm



Full specifications can be found on our website www.monacor-international.de.

6.3 mm Plugs, Stereo

- Metal version
- Nickel-plated contacts
- Cable bending protection and self-adjusting clamps as strain relief
- Different colour codings



Model	Order No.	Type	Colour/colour coding	Cable inlet
T-120/BL	34.7860	stereo	blue	Ø 7 mm
T-120/RT	34.7890	stereo	red	Ø 7 mm
T-120/SW	34.7900	stereo	black	Ø 7 mm

6.3 mm Plugs, Mono

- Metal version
- Nickel-plated contacts
- Cable bending protection and self-adjusting clamps as strain relief
- Different colour codings



Model	Order No.	Type	Colour/colour coding	Cable inlet
T-110/BL	34.7810	mono	blue	Ø 7 mm
T-110/RT	34.7840	mono	red	Ø 7 mm
T-110/SW	34.7850	mono	black	Ø 7 mm

T-208A
Order No. 34.1130
MONO

T-213P
Order No. 34.1240
STEREO

6.3 mm plugs
- Plastic
- Cable bending protection
- For cables: Ø 6.2 mm



T-208ARM
Order No. 34.1150

6.3 mm mono plug, shielded
- Cable inlet: Ø 5 mm
- Cable bending protection
- Metal, chromium-plated



T-208
Order No. 34.1120
MONO

T-213PM
Order No. 34.1250
STEREO

6.3 mm plugs
- Metal, chromium-plated
- Shielding and cable bending protection
- For cables: Ø 6.5 mm



T-208JB
Order No. 34.1170
MONO

T-613J
Order No. 34.1350
STEREO

6.3 mm inline jacks
- Plastic
- Cable bending protection
- For cables: Ø 6.3 mm



T-208G
Order No. 34.1160
MONO

T-213PMG
Order No. 34.1260
STEREO

6.3 mm plugs
- Metal, gold-plated
- Shielding and cable bending protection
- For cables: Ø 6.5 mm



T-208JBM
Order No. 34.1180
MONO

T-613JM
Order No. 34.1360
STEREO

6.3 mm inline jacks
- Metal, chromium-plated
- Shielding and cable bending protection



T-613JMG
Order No. 34.1370

6.3 mm stereo inline jack
- Metal, gold-plated
- Shielding and cable bending protection
- For cables: Ø 6.3 mm



NJ-3FC6
Order No. 34.4740
STEREO

NJ-3FC6BAG
Order No. 34.4570
STEREO

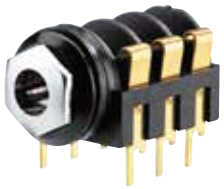
6.3 mm inline jacks, stereo
- Strain relief
- For cables up to: Ø 8 mm

NJ-3FC6 = silver
NJ-3FC6BAG = black



MZT-223G
Order No. 34.2550

6.3 mm stereo panel jack
3 gold-plated switching contacts.



NCJ-5FIS
Order No. 34.6020
MONO

NCJ-6FIS
Order No. 34.6030
STEREO

Combo panel jacks
• 6.3 mm mono jack and 3-pole XLR jack



MZT-223
Order No. 34.0690

6.3 mm stereo panel jack
3 switching contacts.



NJ-3FP6C
Order No. 34.4730
STEREO

NJ-3FP6CBAG
Order No. 34.4560

6.3 mm panel jacks, stereo

NJ-3FP6C = silver
NJ-3FP6CBAG = black



MZT-233
Order No. 34.8970

6.3 mm stereo panel jack
• 3 switching contacts
• Extra long PCB connections



NDJ-1
Order No. 34.8550

Rubber dust cover, for 6.3 mm jacks. For protection against dust, dirt, moisture or wrong cabling.



6.3 mm Mono and Stereo Panel Jacks

Chromium-plated version.

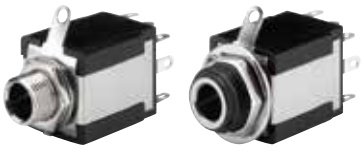


Ⓐ Ⓑ Ⓒ Ⓓ

Model	Order No.	Stereo	Mono	Switches	Position
T-210	34.1190	-	yes	1	A
T-211	34.1200	-	yes	-	B
T-213J	34.1210	yes	-	-	C
T-214J	34.1280	yes	-	1	D

6.3 mm Mono and Stereo Panel Jacks

Plastic body.



Ⓐ Ⓑ

Model	Order No.	Stereo	Mono	Switches	Central fixing	Other features	Position
T-635S	34.6710	-	yes	1	Ø 9 mm	uninsulated	A
T-635SI	34.6720	-	yes	1	Ø 12 mm	insulated	B
T-636	34.6730	yes		-	Ø 9 mm	uninsulated	A
T-636I	34.6740	yes	-	-	Ø 12 mm	insulated	B
T-637S	34.6750	yes	-	2 (floating)	Ø 9 mm	uninsulated	A
T-637SI	34.6760	yes	-	2 (floating)	Ø 12 mm	insulated	B
T-638JS	34.6770	yes		2 ON/ON (floating)	Ø 9 mm	uninsulated	A
T-638JSI	34.6780	yes	-	2 ON/ON (floating)	Ø 12 mm	insulated	B

3.5 mm Panel Jacks



Ⓐ Ⓑ Ⓒ Ⓓ

Model	Order No.	Type	Stereo	Mono	Other features	Position
NA-35	34.0710	panel jack	-	yes	-	A
PG-205J	34.8730	panel jack	yes	-	-	B
PG-203JN	34.0980	panel jack	yes	-	-	C
PG-105JS	34.8720	panel jack	-	yes	-	D

PG-105PG
Order No. 34.0940

3.5 mm mono plug
- Metal, gold-plated
- Cable bending protection
- For cables: Ø 4.5 mm



NTP-3RC
Order No. 34.6970

NTP-3RCB
Order No. 34.6980

3.5 mm plugs, stereo, right-angle
- Strain relief
- For cables up to: Ø 4.5 mm



NTP-3RC = nickel-plated
NTP-3RCB = gold-plated contacts, black

PG-105P
MONO
Order No. 34.0930

PG-203PM
STEREO
Order No. 34.2660

3.5 mm plugs
- Metal, chromium-plated
- Cable bending protection
- For cables: Ø 4.5 mm



PG-203PA
Order No. 06.8120

3.5 mm stereo plug, right-angle
- Plastic body
- For cables: Ø 4 mm



PG-303PG
GOLD
Order No. 34.1030

PG-303P
Order No. 34.1020

3.5 mm stereo plugs
- Cable bending protection
- For cables: Ø 3.6 mm

PG-303PG = metal, gold-plated
PG-303P = metal, black anodised



PG-303JG
GOLD
Order No. 34.1010

PG-303J
Order No. 34.1000

3.5 mm stereo inline jacks
- Metal version
- Cable bending protection

PG-303JG = for cables: Ø 4.2 mm
PG-303J = for cables: Ø 3.5 mm



PG-103PS
MONO
Order No. 34.0870

PG-203P
STEREO
Order No. 34.0990

3.5 mm plugs
- Plastic
- Cable bending protection
- For cables: Ø 5 mm



PG-103JB
MONO
Order No. 34.0840

PG-203JB
STEREO
Order No. 34.0970

3.5 mm inline jacks
- Plastic
- Cable bending protection
- For cables: Ø 5 mm



PG-313PG
Order No. 34.8700

3.5 mm stereo plug, with screw lock.
- 7.9 mm inside thread
- Metal version, black body
- Gold-plated contacts
- For cables: Ø 4.2 mm



PG-313JG
Order No. 34.8690

3.5 mm stereo inline jack, with screw lock.
- 5.9 mm inside thread
- Metal version, black body
- Gold-plated contacts
- For cables: Ø 4.2 mm



PG-323PG
Order No. 34.8710

3.5 mm stereo plug, with screw lock.
- 5.9 mm outside thread
- Metal version, black body
- Gold-plated contacts
- For cables: Ø 4.2 mm



PG-104PS
MONO
Order No. 34.0900

PG-204P
STEREO
Order No. 34.7190

2.5 mm plugs
- Plastic body with cable bending protection
- Cable inlet: Ø 5 mm



RCA Plugs

For high-end applications. Gold-plated version with coloured sleeve of an appealing design.



Model	Order No.	Type	Quantity	Colour/colour coding	Cable inlet	Position
T-716G/RT	34.3110	plug	1 pc.	red	Ø 7.2 mm	A
T-716G/SW	34.3120	plug	1 pc.	black	Ø 7.2 mm	B

T-723G

Order No. 34.5170

PAAR
PAIR

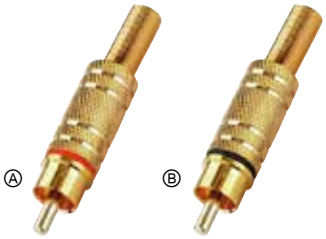


High-end RCA plug, pack of 2, red and black colour coding, gold-plated, with high-quality PVC insulation.

- Cable inlet: Ø 8 mm
- Ground contact: ring of elongated slots
- Crimp strain relief

RCA Plug-In Connectors

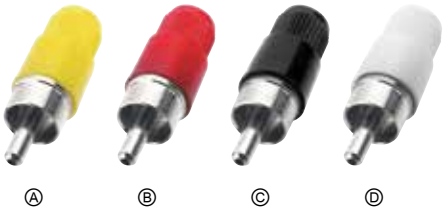
With cable bending protection and gold-plated body.





Model	Order No.	Type	Quantity	Colour/colour coding	Cable inlet	Position
T-707G/RT	34.1680	plug	1	red	Ø 5.9 mm	A
T-707G/SW	34.1690	plug	1	black	Ø 5.9 mm	B
T-707GLC	34.2980	plug	2	red/black	Ø 5.3 mm	C
T-707JGLC	34.3000	inline jack	2	red/black	Ø 5.3 mm	D

RCA Plugs



Model	Order No.	Colour/colour coding	Cable inlet	Position
T-700G/GE	34.1480	yellow	Ø 5.5 mm	A
T-700G/RT	34.1510	red	Ø 5.5 mm	B
T-700G/SW	34.1520	black	Ø 5.5 mm	C
T-700G/WS	34.1530	white	Ø 5.5 mm	D

RCA Inline Jacks



Model	Order No.	Colour/colour coding	Cable inlet	Position
T-702G/GE	34.1560	yellow	Ø 5 mm	A
T-702G/RT	34.1590	red	Ø 5 mm	B
T-702G/SW	34.1600	black	Ø 5 mm	C
T-702G/WS	34.1610	white	Ø 5 mm	D

T-711G/RT
Order No. 34.1770

T-711G/SW
Order No. 34.1780



RCA plugs
- High-end version
- High-quality PTFE insulation
- Gold-plated contact surfaces
- Mat silver body
- Cable inlet: Ø 6 mm

T-711G/RT = red colour coding
T-711G/SW = black colour coding

NF-2CB2
Order No. 34.5710

PAAR PAIR



High-end RCA plugs, pack of 2, red and black colour coding.
- Gold-plated contacts
- Spring-loaded ground contact first connects the ground and then the signal way

T-700
Order No. 34.1460

T-702
Order No. 34.1540



RCA plug-in connectors
- Chromium-plated
- Cable inlet: Ø 5.5 mm

T-700 = plug
T-702 = inline jack

T-708G/RT
Order No. 34.1720



RCA plug, gold-plated.
- Cable bending protection
- For cables: Ø 7 mm
- Red colour coding

T-701G
Order No. 34.2100

PAAR PAIR



RCA plugs
- Black and red
- Gold-plated contacts
- Cable inlet: Ø 5 mm

T-708G/SW
Order No. 34.1730



RCA plug, gold-plated.
- Cable bending protection
- For cables: Ø 7 mm
- Black colour coding

T-704P/RT
Order No. 34.5090

100 x

T-704P/SW
Order No. 34.5100

100 x



RCA plugs
- Only supplied in packs of 100: 1 x T-704... = 100 pcs.
- Cable inlet: Ø 5 mm

T-708GLC
Order No. 34.2990

PAAR PAIR



RCA plugs, gold-plated.
- Cable bending protection
- For cables: Ø 7 mm
- Red and black colour coding

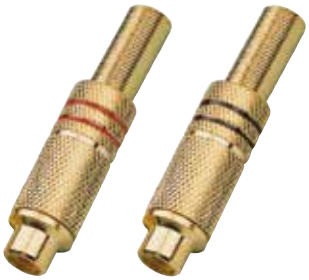
T-714G
Order No. 34.2530



RCA plug, gold-plated.
- Right-angle version
- Solderless
- For cables: Ø 8.2 mm

T-708JGLC
Order No. 34.3010

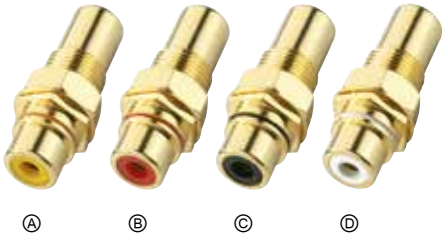
PAAR PAIR



RCA inline jacks, gold-plated.
- Cable bending protection
- For cables: Ø 7 mm
- Red and black colour coding

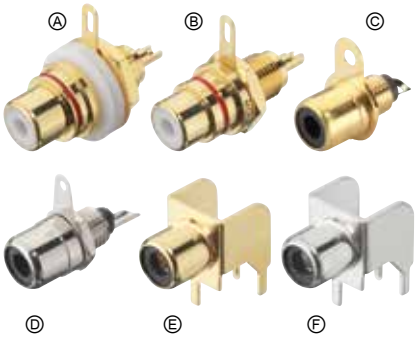
RCA Feed-through Panel Jacks

- Basic, solderless connectors for the use in racks
- Gold-plated version
- With different colour codings



Model	Order No.	Colour/colour coding	Position
T-730G/GE	34.8140	yellow	A
T-730G/RT	34.8160	red	B
T-730G/SW	34.8170	black	C
T-730G/WS	34.8180	white	D

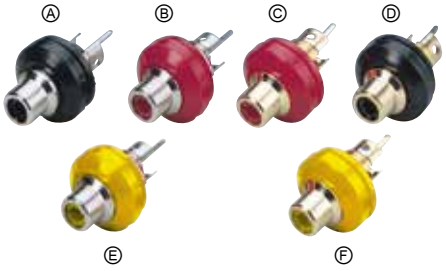
RCA Panel Jacks



Model	Order No.	Quantity	Colour/colour coding	Diameter	Other features	Position
T-710GI	34.4300	2	red/black	hole Ø 9.5 mm	high-end, insulation	A
T-710G	34.1760	10	5 x red/5 x black	-	high-end	B
T-706G	34.1630	1	black	hole Ø 6.3 mm	-	C
T-706	34.1620	1	black	-	-	D
T-709G	34.1750	1	black	hole Ø 7.5 mm	pin spacing 7.5x10 mm	E
T-709	34.1740	1	black	hole Ø 7.5 mm	pin spacing 7.5x10 mm	F

RCA Panel Jacks

- Fully insulated, for highest audio quality
- Outside diameter: Ø 19 mm
- Red (RT), black (SW) or yellow (GE)



Model	Order No.	Features	Colour/colour coding	Admiss. ambient temp.	Diameter	Position
T-706NI/SW	34.1670	nickel-plated, fully insulated	black	0-40 °C	hole Ø 12.7 mm	A
T-706NI/RT	34.1660	nickel-plated, fully insulated	red	0-40 °C	hole Ø 12.7 mm	B
T-706NI/GE	34.6260	nickel-plated	yellow	0-40 °C	hole Ø 12.7 mm	E
T-706GI/SW	34.1650	gold-plated	black	0-40 °C	hole Ø 12.7 mm	D
T-706GI/RT	34.1640	gold-plated, fully insulated	red	0-40 °C	hole Ø 12.7 mm	C
T-706GI/GE	34.6250	gold-plated	yellow	0-40 °C	hole Ø 12.7 mm	F

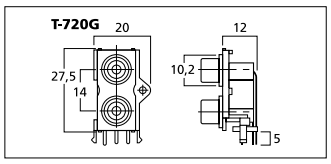
T-720G

Order No. 34.2670

RCA panel PCB jacks

- Gold-plated contact surfaces





T-740G

Order No. 34.2680

RCA panel PCB jacks

- Gold-plated contact surfaces



NF-2DB0

Order No. 34.7110

NF-2DB2

Order No. 34.7120

NF-2DB4

Order No. 34.8530



RCA panel jacks, in a D series XLR panel connector body.

- Black metal body
- Gold-plated contacts

NF-2DB0 = black colour coding
NF-2DB2 = red colour coding
NF-2DB4 = yellow colour coding for video signals

CRA-20

Order No. 14.1810

Right-angle plug-in antenna adapter

- 150 Ω antenna to 50 Ω car radio antenna input



CRA-10

Order No. 14.1800

Plug-in antenna adapter

- 50 Ω antenna to 150 Ω car radio antenna input



CP-20

Order No. 14.1640

PAAR PAIR

Pair of DIN speaker plugs

- Screw clamping connection
- For cable Ø: up to 3 mm/4 mm²



SPC-60/L

Order No. 12.3120

4 x

Set of cable lugs (4 pcs.)

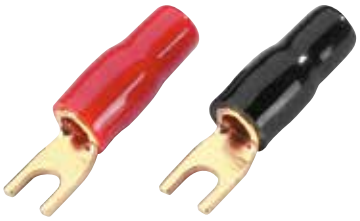
- Gold-plated
- To be soldered and crimped up to 4 mm²



Fork Terminals

4 x

- Gold-plated
- Packs of 4



Model	Order No.	Cable inlet	Suitable cable cross section	Contact distance
MFC-416S	34.6900	Ø 5.5 mm	16 mm²	6.3 mm
MFC-410S	34.4960	Ø 4.0 mm	10.0 mm²	4.2 mm
MFC-46S	34.5020	Ø 3 mm	6 mm²	4.2 mm
MFC-42S	34.4990	Ø 2.0 mm	2.5 mm²	4.2 mm

Ring Terminals

4 x

- Gold-plated
- Packs of 4



Model	Order No.	Cable inlet	Suitable cable cross section	Connection
MFC-425R	34.4980	Ø 7 mm	25 mm²	eyelet Ø 8.4 mm
MFC-416R	34.4970	Ø 5.5 mm	16 mm²	eyelet Ø 8.4 mm
MFC-410R	34.4950	Ø 4 mm	10 mm²	eyelet Ø 8.4 mm
MFC-46R	34.5010	Ø 3 mm	6 mm²	eyelet Ø 8.4 mm

Push-on Terminals

20 x

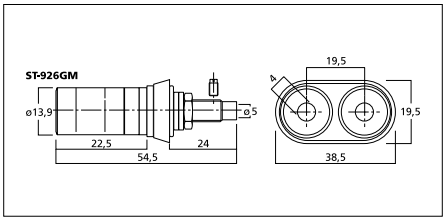
- Gold-plated
- Packs of 20



Model	Order No.	Suitable cable cross section	Contact width
MFC-2063	34.4930	2.5 mm²	6.3 mm
MFC-2048	34.4920	2.5 mm²	4.8 mm
MFC-2028	34.4910	2.5 mm²	2.8 mm

ST-926GM
Order No. 12.2330

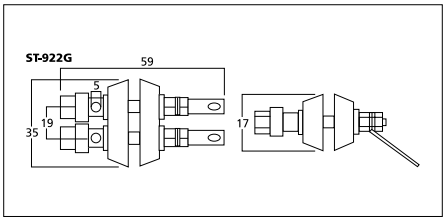
High-end speaker terminal
- Gold-plated all-metal connectors
- To be screwed on
- Insulated installation
- For screwing as well as for 4 mm banana plugs





ST-922G
Order No. No. 12.2400

Speaker terminal, for units.
- Gold-plated contacts
- Plastic covers
- For screwing as well as for 4 mm banana plugs

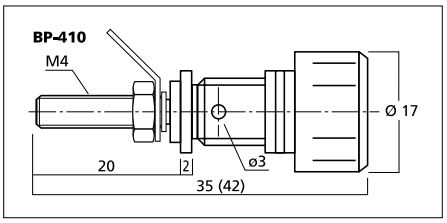




BP-410
Order No. 34.7070

PAAR PAIR

Pair of speaker pole terminals
- Nickel-plated version
- To be screwed and plugged
- For plastic cabinets, uninsulated

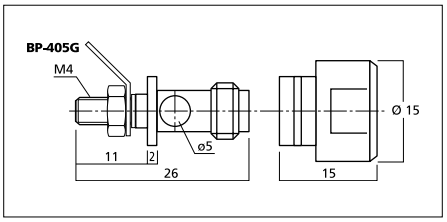




BP-405G
Order No. 34.7060

PAAR PAIR

Pair of speaker pole terminals
- Solid gold-plated version
- To be screwed and plugged
- Suitable e.g. for plastic cabinets, uninsulated

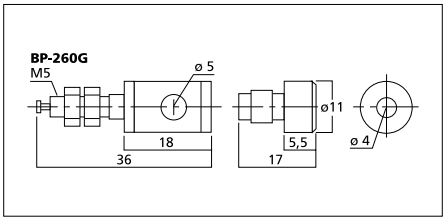




BP-260G
Order No. 34.0480

PAAR PAIR

Pair of speaker pole terminals
- Robust gold-plated version
- To be screwed and plugged
- For insulated use in metal cabinets

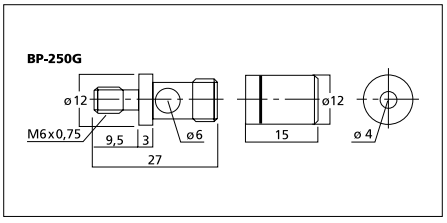




BP-250G
Order No. 34.2420

PAAR PAIR

Pair of speaker pole terminals
- High-quality gold-plated version
- To be screwed and plugged
- For insulated use in metal cabinets

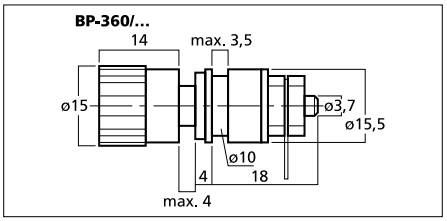




BP-360/RT
Order No. 34.3480

BP-360/SW
Order No. 34.3490

Binding post for speakers
- With cross hole
- Standard version





Full specifications can be found on our website www.monacor-international.de.

BP-100G

Order No. 34.3460

PAAR PAIR



Pair of banana plugs for speakers, 4 mm

- Spliced contact
- Complete gold-plated version
- Red or black code ring
- For accepting cables up to: Ø 4 mm
- Also suitable for high-performance technology

BP-180GI

Order No. 34.7050

PAAR PAIR



Pair of banana plugs for speakers, 4 mm

- Spliced contact
- Plastic body with gold-plated contacts
- With protection against accidental contact (sliding cover)
- Solderless fitting up to Ø 5 mm

SPC-425/B

Order No. 12.1330

PAAR PAIR



Pair of banana plugs for speakers, 4 mm

- High-quality gold-plated version
- Solderless fitting up to 4 mm²

BP-20/RT

Order No. 34.2280

BP-20/SW

Order No. 34.2290



Banana plugs for speakers, 4 mm

- Spliced contact
- Long PVC cable bending protection

BP-104

Order No. 34.7030

PAAR PAIR



Pair of banana plugs for speakers, 4 mm

- Spliced contact
- Complete nickel-plated version
- Red or black code ring
- For accepting cables up to: Ø 4 mm

BP-30G/RT

Order No. 34.3530

PAAR PAIR

BP-30G/SW

Order No. 34.3540

PAAR PAIR



Banana plugs for speakers, 4 mm

- With cross hole
- Spliced, gold-plated contact
- Screw connection
- PVC sleeve

BP-150

Order No. 34.7040

PAAR PAIR



Pair of banana plugs for speakers, 4.5 mm

- Spliced contact
- Nickel-plated body with gold-plated contacts
- Cross hole for accepting cables up to: Ø 6.5 mm
- Cable pressing screw with mounting hole of Ø 4 mm for accepting an additional banana plug

CPC-42G

Order No. 14.1670



4-way plug-in connector, gold-plated.

- 4 contact rows with polarity identification
- Screw clamping connections
- For cables up to Ø 4.3 mm
- Dimensions: 57 x 45 x 10 mm

BP-150G

Order No. 34.3470

PAAR PAIR



Pair of banana plugs for speakers, 4 mm

- Spliced contact
- Gold-plated high-end version
- Cross hole for accepting cables up to: Ø 7 mm
- Cable pressing screw with mount. hole of Ø 4 mm for accept. an add. banana plug

CPC-22/3

Order No. 14.0030



Plug-in connector strip, on the basis of luster terminals.

- 3 pairs of contacts, 2 poles each
- Screw clamping connections with connector caps
- For cables up to Ø 3 mm
- Suitable for 400 V and 16 A

NA-2MJTX
Order No. 34.7660

XLR/6.3 mm balancing adapter/ ground isolator
- XLR plug to 6.3 mm jack
- Signal will be balanced 1:1 with separated ground
- Galvanic isolation between input signal and output signal
- Input/output impedance: 200 Ω
- Not suitable for speaker applications!



NA-3MJ
Order No. 34.5920

NA-3FJ
Order No. 34.5900

Adapters XLR/6.3 mm stereo inline jack
- Not suitable for speaker applications!

NA-3MJ = XLR plug
NA-3FJ = XLR inline jack



NA-2MD0BTX
Order No. 34.7680

XLR/RCA balancing adapter/ground isolator
- XLR plug to RCA jack
- Signal will be balanced 1:1 with separated ground
- Galvanic isolation between input signal and output signal
- Input/output impedance: 200 Ω
- Not suitable for speaker applications!



NA-3MM
Order No. 34.5930

NA-3FF
Order No. 34.5890

Adapters XLR/XLR
- Not suitable for speaker applications!

NA-3MM = 2 x XLR plug
NA-3FF = 2 x XLR inline jack



NA-2MP
Order No. 34.7200

NA-2FP
Order No. 34.7210

Adapters XLR/6.3 mm mono plug
- Not suitable for speaker applications!

NA-2MP = XLR plug
NA-2FP = XLR inline jack



NA-3M5F
Order No. 34.6520

Adapter 3-pole XLR plug to 5-pole XLR inline jack
- For lighting systems with DMX512 interface
- Not suitable for speaker applications!



NA-3MP
Order No. 34.5940

NA-3FP
Order No. 34.5910

Adapters XLR/6.3 mm stereo plug
- Not suitable for speaker applications!

NA-3MP = XLR plug
NA-3FP = XLR inline jack



NA-3F5M
Order No. 34.6530

Adapter 5-pole XLR plug to 3-pole XLR inline jack
- For lighting systems with DMX512 interface
- Not suitable for speaker applications!



NA-2MPMF
Order No. 34.5880

NA-2FPMF
Order No. 34.5870

Adapters XLR/RCA jack
- Not suitable for speaker applications!

NA-2MPMF = XLR plug
NA-2FPMF = XLR inline jack



NA-4LJX
Order No. 34.7950

Adapter SPEAKON/6.3 mm jack
- SPEAKON plug to 6.3 mm mono inline jack
- Contact rating: 20 A
- Suitable for speaker applications only!



NTA-110
Order No. 06.5510
NTA-116
Order No. 06.5530

Adapters XLR/6.3 mm stereo inline jack
- Not suitable for speaker applications!



NTA-110 = XLR inline jack
NTA-116 = XLR plug

NTA-181
Order No. 06.7380

Stereo adapter
2.5 mm plug to 3.5 mm inline jack



NTA-111
Order No. 06.5520
NTA-117
Order No. 06.5540

Adapters XLR/6.3mm mono plug
- Not suitable for speaker applications!



NTA-111 = XLR plug
NTA-117 = XLR inline jack

NTA-186
Order No. 06.7510

Adapter
1 x 2.5 mm stereo plug to 2 x 3.5 mm stereo jack.



NTA-118
Order No. 06.5550
NTA-119
Order No. 06.5560

Adapters XLR/6.3mm stereo plug
- Nickel-plated metal body
- Gold-plated XLR contacts
- Not suitable for speaker applications!



NTA-118 = XLR inline jack
NTA-119 = XLR plug

NTA-106
Order No. 06.1860

RCA adapter
1 x 2.5 mm stereo plug to 2 x RCA inline jack.



NTA-112
Order No. 06.5580
NTA-113
Order No. 06.5590

Adapters XLR/XLR
- Not suitable for speaker applications!



NTA-112 = plug/plug
NTA-113 = inline jack/inline jack

GE-860
Order No. 07.0090

BNC plug/banana jack
- Distance: 19 mm
- Counterpart to GE-866
- Useful measuring adapter, e.g. in combination with an oscillograph



NTA-114
Order No. 06.5600
NTA-115
Order No. 06.5610

Adapters XLR/RCA jack
- Not suitable for speaker applications!



NTA-114 = XLR plug
NTA-115 = XLR inline jack

GE-866
Order No. 07.0100

BNC jack/banana plug
- Distance: 19 mm
- Versatile adapter connection for a large number of devices and banana output jacks



NTA-55
Order No. 06.1170

DIN inline jack, with 2 x 5-pole DIN jack.



NTA-241
Order No. 06.1160

Adapter
2 x 6.3 mm inline jack for stereo and mono.



APA-1
Order No. 34.3410

Adapter
2 x 6.3 mm mono plug.



NTA-63A
Order No. 06.6600

Adapter, right-angle
6.3 mm stereo plug to 6.3 mm stereo inline jack.



HA-37
GOLD
Order No. 06.0320

HA-37G
Order No. 06.0330

6.3 mm stereo plug to 3.5 mm stereo inline jack



NTA-171
Order No. 06.1030

Adapter
6.3 mm stereo plug to 3.5 mm mono inline jack.



NTA-177
Order No. 06.1090

Adapter
6.3 mm mono plug to 3.5 mm mono inline jack.



NTA-335A
Order No. 06.8110

Adapter, right-angle
3.5 mm stereo plug to 3.5 mm stereo inline jack.



NTA-175
Order No. 06.1070

NTA-175M
Order No. 06.4720

6.3 mm mono plug to RCA jack



NTA-175A
Order No. 06.7400

Adapter, right-angle
6.3 mm mono plug to RCA jack.



NTA-176
STEREO
Order No. 06.1080

NTA-185
MONO
Order No. 06.6920

6.3 mm inline jack to RCA plug



NTA-194
Order No. 06.6960

Adapter
3.5 mm mono plug to RCA jack.



NTA-172
MONO
Order No. 06.1040

HA-36
STEREO
Order No. 06.0310

3.5 mm plug to 6.3 mm stereo inline jack



NTA-173
Order No. 06.1050

Adapter
3.5 mm mono plug to 6.3 mm mono inline jack.



NTA-235
Order No. 06.7620

NTA-235M
Order No. 06.7750

Adapters
2 x 3.5 mm stereo inline jack.

NTA-235 = plastic body
NTA-235M = metal body



NTA-193

Order No. 06.6950

MONO

NTA-192

Order No. 06.6940

STEREO

Adapters
3.5 mm inline jack to RCA plug.



NTA-105

Order No. 06.2750

Adapter
1 x 3.5 mm stereo plug to 2 x RCA inline jack.



NTA-135

Order No. 06.8100

Adapter
1 x 3.5 mm stereo inline jack to 2 x RCA plug.



NTA-195

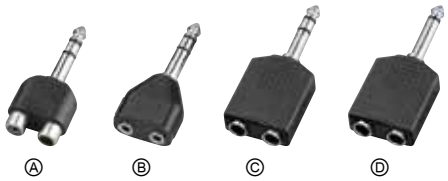
Order No. 06.1120

Adapter
1 x 3.5 mm stereo plug to 2 x 3.5 mm stereo inline jack.



Adapters

Model	Order No.	Type	Connection	Stereo	Mono	Position
NTA-178	06.4130	adapter, splitter	1 x 6.3 mm plug to 2 x RCA jack	yes	-	A
NTA-196	06.1130	adapter, splitter	1 x 6.3 mm plug to 2 x 3.5 mm inline jack	yes	-	B
NTA-198	06.1140	adapter, splitter	1 x 6.3 mm plug to 2 x 6.3 mm inline jack	yes	-	C
NTA-199	06.2090	adapter, splitter	1 x 6.3 mm plug to 2 x 6.3 mm inline jack	-	yes	D



RCA Adapters

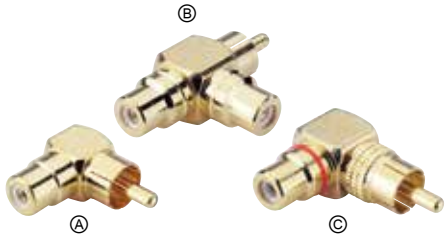
Model	Order No.	Type	Connection	Position
NTA-100	06.1800	adapter	2 x RCA inline jack	A
NTA-100P	06.4120	adapter	2 x RCA inline jack	B
NTA-101	06.2300	adapter	2 x RCA plug	C
NTA-102	06.1810	adapter	2 x RCA inline jack to 2 x RCA inline jack	D
NTA-103	06.2290	adapter	RCA plug to RCA inline jack	E
NTA-104	06.3000	adapter, splitter	1 x RCA plug to 2 x RCA inline jack	F
NTA-107	06.3350	insertion adapter	3 x RCA inline jack to 3 x RCA inline jack	G



RCA Adapters

Gold-plated version, for high-end applications.

Model	Order No.	Type	Connection	Position
NTA-706SG	06.2840	adapter	RCA plug to RCA jack	A
NTA-707TG	06.2990	adapter	1 x RCA plug to 2 x RCA jack	B
NTA-707SG	06.2590	adapter	RCA plug to RCA jack	C



RFT-4

Order No. 05.0192

RF antenna isolating transformer (hum noise suppressor), for suppressing interference due to sheath currents or poor earthing conditions, e.g. reception of broadband cable television with 100 Hz TVs or hi-fi tuners.

- Transmission loss: < 1.5 dB
- Frequency range: 5-1,000 MHz
- Impedance: 75 Ω
- Connection: coaxial RF antenna plug



ACP-2/P

Order No. 15.0390

ACP-2/J

Order No. 15.0380

Right-angle coaxial antenna plug and inline jack, 75 Ω, 2.4/9.5 mm, for connecting TVs, video recorders and radios.



ACP-2/P = plug
ACP-2/J = inline jack

NBNC-75BFG7
Order No. 34.6480
NBNC-75BLP7
Order No. 34.6330
NBNC-75BTS11
Order No. 34.8920



BNC plugs, 75 Ω
- High-quality PTFE insulation
- Gold-plated contacts
- Centre pin for crimping

NBNC-75BFG7 = for cables: Ø 4.6 mm
NBNC-75BLP7 = for cables: Ø 6.3 mm
NBNC-75BTS11 = for cables: Ø 6.9 mm

UG-88/UCR
Order No. 34.3300
UG-88/UCR58
Order No. 34.2880



BNC crimp plugs
- High-quality PTFE insulation
- Centre pin for crimping

UG-88/UCR = 75 Ω
UG-88/UCR58 = 50 Ω

UG-88/S58
Order No. 34.8370



BNC screw plug for cables: Ø 5 mm, 50 Ω
Suitable for RG-58 cables with rigid internal conductor.

UG-88/S
Order No. 34.8360



BNC screw plug for cables: Ø 6 mm, 75 Ω
Suitable for RG-59 antenna cables with rigid internal conductor.

UG-88RA
Order No. 34.2020



Right-angle BNC plug, 50 Ω
- For RG-58 cables
- Centre pin with screw connection

VB-120VP
Order No. 18.8650



Passive 2-wire transmission unit, for video signals.
- Cable connection via screw terminals
- 10 cm connection cable with BNC plug

BNC-88/UCR
Order No. 34.7240



BNC crimp inline jack, 75 Ω
- High-quality PTFE insulation
- Centre pin for crimping

UG-1094/U
Order No. 34.1870



BNC single-hole jack, 50 Ω, up to 10 GHz.

UG-1094B/U
Order No. 34.1880
UG-1094B/UG
Order No. 34.1890



BNC single-hole jacks, 50 Ω, fully insul.
UG-1094B/UG = gold-plated

NC-1524
Order No. 06.0970
NC-1524G
Order No. 06.2830



Adapters BNC jack/RCA plug
NC-1524G = gold-plated

BNC-1525
Order No. 06.6840



Adapter BNC jack/RCA jack

BNC-1526
Order No. 06.3420



BNC panel adapter
- BNC jack/RCA jack
- Mounting hole: Ø 12 mm

BNC-1522
Order No. 06.6830



Adapter BNC plug/RCA plug

BNC-1523
Order No. 06.0100
BNC-1523G
Order No. 06.0110



Adapters BNC plug/RCA jack
BNC-1523G = gold-plated

Full specifications can be found on our website www.monacor-international.de.

BNC-1511
Order No. 34.0040

BNC adapter, 50 Ω, with 2 x BNC jack, mounting hole: Ø 12 mm.



BNC-1150
Order No. 06.7520

BNC connector, U-shape, 75 Ω
2 x BNC jack.



NBB-75DFI
Order No. 34.6450

NBB-75DFIB
Order No. 34.6460

BNC feed-through jacks, 75 Ω
NBB-75DFIB = black



UG-274/U
Order No. 34.1960

BNC T-connector, 50 Ω
1 x plug, 2 x jack.



NBB-75FG
Order No. 34.6470

NBB-75FI
Order No. 34.6510

BNC feed-through jacks, 75 Ω
NBB-75FI = insulated body



BNC-1130
Order No. 34.8350

BNC T-connector, 75 Ω
3 x BNC jack.



UG-914/U
Order No. 34.2040

BNC inline jack, 50 Ω
2 x BNC jack.



BNC-2024
Order No. 06.6870

Adapter BNC plug/coaxial antenna inline jack



UG-306/U
Order No. 34.1980

BNC plug, 50 Ω, with BNC jack, right-angle, turnable.



BNC-2025
Order No. 06.6880

Adapter BNC jack/coaxial antenna inline jack



UG-491A/U
Order No. 34.1990

BNC inline jack, 50 Ω
2 x BNC plug.



BNC-2022
Order No. 06.6850

Adapter BNC plug/coaxial antenna plug



BNC-1160
Order No. 06.3370

BNC Y splitter, 75 Ω
1 x BNC plug, 2 x BNC jack.



BNC-2023
Order No. 06.6860

Adapter BNC jack/coaxial antenna plug



BNC-1170
Order No. 06.3380

BNC Y splitter, 75 Ω
1 x BNC plug, 2 x BNC jack, F-shape.



FCH-11
Order No. 06.2330

Screw-on F plug, inside: Ø 3.7 mm for cables: Ø 4 mm
Suitable for 75 Ω antenna cables with rigid internal conductor.



FCH-12
Order No. 06.2340

Screw-on F plug, inside: Ø 4.7 mm for cable RG-59/U
Suitable for 75 Ω antenna cables with rigid internal conductor.



FCH-13
Order No. 06.2350

Screw-on F plug, inside: Ø 5.5 mm for cables: Ø 5.9 mm
Suitable for 75 Ω antenna cables with rigid internal conductor.



FCH-14
Order No. 06.2360

Screw-on F plug, inside: Ø 6.5 mm for cables: Ø 7 mm
Suitable for 75 Ω antenna cables with rigid internal conductor.



FCH-24
Order No. 06.2920

F crimp plug, crimp sleeves Ø 6.8 mm
Suitable for 75 Ω antenna cables with rigid internal conductor.



FCH-17
Order No. 06.2390

Adapter screw-on F jack/slide-on F plug



FCH-15
Order No. 06.2370

F panel jack for holes: Ø 9.5 mm
Suitable for 75 Ω antenna cables with rigid internal conductor.



FCH-18
Order No. 06.2400

F terminating resistor, 75 Ω
For screwing onto a threaded F connector. With rigid internal conductor.



FCH-19
Order No. 06.2410

Right-angle adapter F plug/F jack



FCH-16
Order No. 06.2380

Adapter double F plug
For connection to threaded F connectors.



FCH-23
Order No. 06.2720

Adapter double F jack



FCH-26
Order No. 06.6890

Adapter F jack/BNC jack



FCH-20
Order No. 06.2420

Adapter screw-on F jack/BNC plug



FCH-21
Order No. 06.2430

Adapter screw-on F plug/BNC plug



FCH-22
Order No. 06.2440

Adapter F jack/coaxial antenna plug



FCH-27
Order No. 06.6900

Adapter F jack/coaxial antenna inline jack



FCC-59
Order No. 34.6290



Plug cover
- Weatherproof and moisture-proof for stand. F connectors
- For antenna cables with an outside diameter of Ø 6-9 mm

FCH-28
Order No. 06.2860



F connector, U-shape
For 75 Ω antenna cables with rigid internal conductor.

SMA-174BNC/JP
Order No. 06.8460



Adapter SMA jack/BNC plug, 50 Ω
- Gold-plated contacts

SMA-174BNC/PP
Order No. 06.8480



Adapter SMA plug/BNC plug, 50 Ω
- Gold-plated contacts

SMA-174BNC/JJ
Order No. 06.8450



Adapter SMA jack/BNC jack, 50 Ω
- Gold-plated contacts

SMA-174BNC/PJ
Order No. 06.8470



Adapter SMA plug/BNC jack, 50 Ω
- Gold-plated contacts

RF-27LTE
Order No. 06.8730



Antenna, for RF spectrum analyser RF-EXPLORER/6.
- Improves reception of the LTE frequency band
- Folding 90°, with 15° locking

SMA-174N/JP
Order No. 06.8680



Adapter SMA plug/N inline jack, 50 Ω

SMA-174EDG/JP
Order No. 06.8670



Adapter SMA plug/SMA inline jack, 50 Ω
- Right-angle

SMA-174STR/JP
Order No. 06.8690



Adapter SMA plug/SMA inline jack, 50 Ω
- Ideal for protecting SMA terminals of the RF series

SMA-174STR/PP
Order No. 06.8700



Adapter SMA plug/SMA plug, 50 Ω
- Suitable e.g. for directly connecting the RF series (calibration)

SMA-150AW
Order No. 06.8660



SMA terminating resistor, 50 Ω
- Frequency range: up to 6 GHz
- Power rating: 1 W
- SMA plug

SMA-175CAB/JP
Order No. 06.8710



SMA connection cable, 50 Ω
- SMA plug and SMA inline jack
- Length: 50 cm

SMA-175CAB/PP
Order No. 06.8720



SMA connection cable, 50 Ω
- 2 x SMA plug
- Length: 50 cm

AC-71/3,5MM
Order No. 21.0010

Telephone adapter, with 1 m connection cable and 3.5 mm plug, impedance: approx. 1 kΩ.



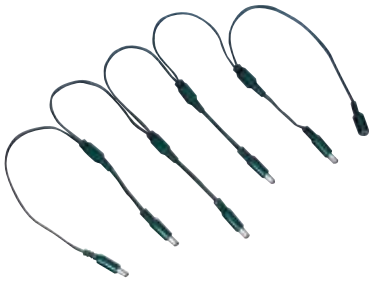
PSA-14
Order No. 08.0270

Power supply splitter cable, 5-way
For operating 4 cameras and 1 digital recorder via one power supply.
- 4 x low-voltage plug 5.5/2.1 mm (camera)
- 1 x low-voltage plug 5.5/2.1 mm with ferrite core for interference suppression (digital recorder)
- 1 x low-voltage inline jack 5.5/2.1 mm (power supply)
- Cable length: 20 cm



ADC-05
Order No. 08.0080

Special feed-through cable
- For supplying 5 effect units for musicians from one DC voltage source
- 5 x 2.1 mm low-voltage connector and 1 x 5.5. mm inline jack
- Length: 90 cm



DCA-8CAR
Order No. 06.6490

Set of connecting adapters
- For directly connecting units with 12 V DC voltage input
- Integrated fuse: 2 A
- 1.8 m connection cable
- Switchable polarity by reversing the plug-in adapters
- 8 plug-in adapters: plugs: 2.5 mm, 3.5 mm, hollow plugs: 2.35/0.75 mm, 3.5/1.35 mm, 4.0/1.7 mm, 5.0/2.1 mm, 5.5/1.5 mm, 5.5/2.5 mm



TM-12DC
Order No. 17.1030

Connection cable
- For megaphones with external power supply
- Fitted with low-voltage plug 5.5/2.1 mm and cigarette lighter plug with power LED
- Integrated fine-wire fuse 5 A
- Also suitable for general use
- Length: 6 m



CLP-3L
Order No. 14.1160

Cigarette lighter plug
- Red power LED
- 2 ground springs
- Cable bending protection
- Solder connections
- Holder for an American fine-wire fuse (Ø 6.3 mm x 30 mm)
- Supplied with a 3 A fuse



Full specifications can be found on our website www.monacor-international.de.

T-252J
Order No. 34.1300

Low-voltage panel jack, with switching contact, NC, 5.5/2.1 mm.



T-321
Order No. 34.1330

Low-voltage panel jack
- Switching contact, NC
- With mounting flange
- 5.5/2.1 mm



T-421
Order No. 34.4460

T-425
Order No. 34.4470

Low-voltage panel jacks
- Central fixing for 8 mm drill hole
- With switching contact
- Length: 21 mm



T-421 = 5.5/2.1 mm
T-425 = 5.5/2.5 mm

T-252
Order No. 34.1290

T-253
Order No. 34.1310

Plugs for power supply, 2 poles, coaxial.
T-252 = 5.5/2.1 mm
T-253 = 5.5/2.5 mm



T-521J
Order No. 34.6120

T-525J
Order No. 34.6930

Inline jacks for power supply,
2 poles, coaxial, with cable bending protection.
T-521J = 5.5/2.1 mm
T-525J = 5.5/2.5 mm



T-521P
Order No. 34.6100

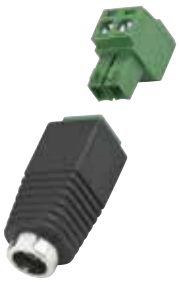
T-525P
Order No. 34.6110

Plugs for power supply, 2 poles, coaxial, with cable bending protection.
T-521P = 5.5/2.1 mm
T-525P = 5.5/2.5 mm



T-521JST
Order No. 34.8930

Low-voltage inline jack, 5.5/2.1 mm,
with plug-in screw terminal and polarity identification.



T-521PST
Order No. 34.8940

Low-voltage plug, 5.5/2.1 mm,
with plug-in screw terminal and polarity identification.



T-521AP
Order No. 34.8420

T-525AP
Order No. 34.8430

Plugs for power supply, right-angle,
2 poles, coaxial.
T-521AP = 5.5/2.1 mm
T-525AP = 5.5/2.5 mm



DCA-10
Order No. 08.0230

Power supply connection cable,
for a quick installation.
- Low-voltage plug 5.5/2.1 mm and luster terminal and polarity identification



PD-109
Order No. 05.0045

Voltage distributor, 1 input to 9 outputs.
- For simultaneous power supply of several CCTV cameras via one power supply
- Each output protected against short circuit via PTC protection
- Max. load for each output: 1 A
- Total load: 5 A
- Power LED for each output
- Outputs via screw terminals
- Input via screw terminals, input voltage: 1-30 V
- Dimensions: 138 x 41 x 76 mm
- Matching power supply is available at option



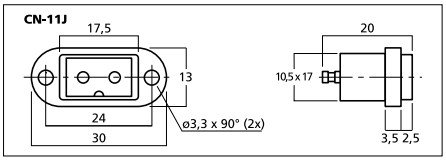
CN-11P
Order No. 34.0170

CN-11J
Order No. 34.0150



2-pole plug-in connector, for safety extra-low voltage or signal voltage, e.g. secondary side of PSUs, contact rating up to 3 A.

CN-11P = plug
CN-11J = panel jack



Gold-Plated Screw Terminals

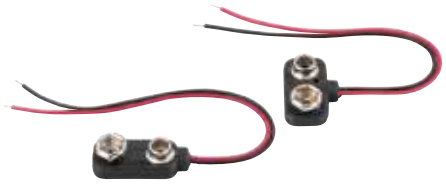
For PCB mounting, current rating: up to 10 A per contact, suitable for signal voltages and safety extra-low voltages (SELV).



Model	Order No.	Type	Connectors	No. of contacts	Contact width	Contact distance	Mounting hole distance	Dimensions	Mounting dimensions
TBS-2/GO	05.9540	screw terminal	-	2	7.5 mm	9.2 mm	27.6 mm	40 x 19 x 16.5 mm	-
TBS-4/GO	05.9440	screw terminal	-	4	7.5 mm	9.2 mm	46.6 mm	59 x 19 x 16.5 mm	-
TBS-6/GO	05.9790	screw terminal	-	6	7.5 mm	9.2 mm	65.6 mm	78 x 19 x 16.5 mm	-

BS-6I
Order No. 03.0150

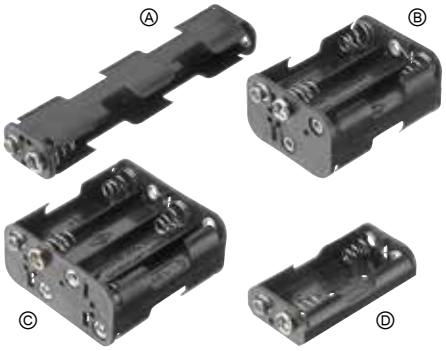
BS-6T
Order No. 03.0160



9 V battery connections
- Diecast clamping strip
- I-shape or T-shape
- Length: approx. 105 mm, battery snap: Ø 5.7 mm, also suitable for connecting battery holders without soldered connections

Battery Holders

For industrial and general applications.
- Spring: steel, nickel-plated
- Push contact: brass, nickel-plated
- Admissible ambient temperature: -10 °C to +60 °C



Model	Order No.	Position	Size
A-303/IT	03.0060	A	4 x AA
A-304/IT	03.0080	B	6 x AA
A-305/IT	03.0100	C	8 x AA
A-307/IT	03.0120	D	2 x AA

Full specifications can be found on our website www.monacor-international.de.

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PSS-600E

Order No. 27.3030

Switch-mode power supply, 0.6 A,
high energy efficiency, complies with the EU ecodesign directive.

- Saves electricity costs due to low power consumption in standby mode (< 0.3 W)
- Switchable output voltage
- Protected against short circuit, overload and overheating
- Power LED
- 1.8 m connection cable
- Selectable polarity by reversing the supplied adapters
- 7 plug-in adapters: plugs: 2.5 mm, 3.5 mm, hollow plugs: 2.35/0.75 mm, 3.5/1.35 mm, 5.0/2.1 mm, 5.5/2.1 mm, 5.5/2.5 mm

Model	PSS-600E
Input voltage	~ 100-240 V/50-60 Hz/160 mA
Output voltage	⎓ 3/4.5/5/6/7.5/9/12 V
Charging/output current	600 mA
Admiss. ambient temp.	0-40 °C
Dimensions	38 x 50 x 68 mm
Weight	100 g



PSS-1000E

Order No. 27.3130

PSS-1000USB

Order No. 27.3330

Switch-mode power supplies, 1 A, high energy efficiency, comply with the EU ecodesign directive.

- Save electricity costs due to low power consumption in standby mode (< 0.3 W)
- Switchable output voltage
- Protected against short circuit, overload and overheating
- Power LED
- 1.8 m connection cable
- Selectable polarity by reversing the supplied adapters
- 7 plug-in adapters: plugs: 2.5 mm, 2.5 mm, hollow plugs: 2.35/0.75 mm, 3.5/1.35 mm, 5.0/2.1 mm, 5.5/2.1 mm, 5.5/2.5 mm

PSS-1000USB: additionally with USB Type-A inline jack

Model	PSS-1000E	PSS-1000USB
Input voltage	~ 100-240 V/50-60 Hz/ 250 mA	~ 100-240 V/50-60 Hz/ 250 mA
Output voltage	⎓ 3/4.5/5/6/7.5/9/12 V	⎓ 3/4.5/5/6/7.5/9/12 V
Charg./output current	1 A	1 A
Admiss. ambient temp.	0-40 °C	0-40 °C
Dimensions	43 x 52 x 76 mm	43 x 53 x 76 mm
Weight	135 g	135 g



PSS-1500E

Order No. 27.3140

Switch-mode power supply, 1.5 A,
high energy efficiency, complies with the EU ecodesign directive.

- Saves electricity costs due to low power consumption in standby mode (< 0.3 W)
- Switchable output voltage
- Protected against short circuit, overload and overheating
- Power LED
- 1.8 m connection cable
- Selectable polarity by reversing the supplied adapters
- 7 plug-in adapters: plugs: 2.5 mm, 3.5 mm, hollow plugs: 2.35/0.75 mm, 3.5/1.35 mm, 5.0/2.1 mm, 5.5/2.1 mm, 5.5/2.5 mm

Model	PSS-1500E
Input voltage	~ 100-240 V/50-60 Hz/350 mA
Output voltage	⎓ 3/4.5/5/6/7.5/9/12 V
Charging/output current	1.5 A
Admiss. ambient temp.	0-40 °C
Dimensions	52 x 54 x 82 mm
Weight	160 g



PSS-1500SV

Order No. 27.3450

Switch-mode power supply, 1.5 A,
high energy efficiency, complies with the EU ecodesign directive.

- Saves electricity costs due to low power consumption in standby mode (< 0.3 W)
- Switchable output voltage
- Protected against short circuit, overload and overheating
- Power LED
- 1.8 m connection cable
- Selectable polarity by reversing the supplied adapters
- 7 plug-in adapters: plugs: 2.5 mm, 3.5 mm, hollow plugs: 2.35/0.75 mm, 3.5/1.35 mm, 5.0/2.1 mm, 5.5/2.1 mm, 5.5/2.5 mm

Model	PSS-1500SV
Input voltage	~ 100-240 V/50-60 Hz/500 mA
Output voltage	⎓ 9/12/13.5/15/18/20/24 V
Charging/output current	1.5 A (9-15 V) 1.2 A (18-20 V) 1 A (24 V)
Admiss. ambient temp.	0-40 °C
Dimensions	52 x 59 x 95 mm
Weight	230 g



PSS-3000E

Order No. 27.3150

Switch-mode power supply, 3 A max.,
high energy efficiency, complies with the EU ecodesign directive.

- Saves electricity costs due to low power consumption in standby mode (< 0.3 W)
- Switchable output voltage
- Protected against short circuit, overload and overheating
- Power LED
- 1.8 m connection cable
- Selectable polarity by reversing the supplied adapters
- 7 plug-in adapters: plugs: 2.5 mm, 3.5 mm, hollow plugs: 2.35/0.75 mm, 3.5/1.35 mm, 5.0/2.1 mm, 5.5/2.1 mm, 5.5/2.5 mm

Model	PSS-3000E
Input voltage	~ 100-240 V/50-60 Hz/800 mA
Output voltage	⎓ 5/6/7.5/9/12/13.5/15 V
Charging/output current	3/3/3/3/3/2.4/2.4 A, 36 VA
Admiss. ambient temp.	0-40 °C
Dimensions	50 x 32 x 115 mm
Weight	300 g



PSS-5000

Order No. 27.1840

Switch-mode power supply, 5 A max.,
high energy efficiency, complies with the EU ecodesign directive.

- Saves electricity costs due to low power consumption in standby mode (< 0.5 W)
- Switchable output voltage
- Protected against short circuit, overload and overheating
- Power LED
- 1.8 m connection cable
- Selectable polarity by reversing the supplied adapters
- 7 plug-in adapters: plugs: 2.5 mm, 3.5 mm, hollow plugs: 2.35/0.75 mm, 3.5/1.35 mm, 5.0/2.1 mm, 5.5/2.1 mm, 5.5/2.5 mm

Model	PSS-5000
Input voltage	~ 100-240 V/50-60 Hz/1,320 VA
Output voltage	⎓ 6/7.5/9/12/13.5/15 V
Charging/output current	5/5/5/5/3.8/3.8 A
Admiss. ambient temp.	0-40 °C
Dimensions	70 x 37 x 140 mm
Weight	480 g



PSS-3000SV

Order No. 27.3320

Switch-mode power supply, 3 A max.,
high energy efficiency, complies with the EU ecodesign directive.

- Saves electricity costs due to low power consumption in standby mode (< 0.3 W)
- Output voltage can be selected via supplied plug-in resistors
- Protected against short circuit, overload and overheating
- Changeable mains plug travel adapters for Europe, Great Britain, Australia and USA/Japan
- Power LED
- 1.8 m connection cable
- Selectable polarity by reversing the supplied adapters
- 7 plug-in adapters: plugs: 2.5 mm, 3.5 mm, hollow plugs: 2.35/0.75 mm, 3.5/1.35 mm, 5.0/2.1 mm, 5.5/2.1 mm, 5.5/2.5 mm

Model	PSS-3000SV
Input voltage	~ 100-240 V/50-60 Hz/800 mA
Output voltage	⎓ 5-24 V (in 1 V steps)
Charging/output current	3.0-1.5 A
Admiss. ambient temp.	0-40 °C
Dimensions	68 x 40 x 135 mm
Weight	360 g



PSS-120NE

Order No. 27.3460

Switch-mode power supply, 6 A max.,
high energy efficiency, complies with the EU ecodesign directive.

- Saves electricity costs due to low standby power consumption (< 0.5 W)
- Output voltage: ⎓ 15-24 V, to be adjusted in 7 steps
- Suitable e.g. for 24 V applications or laptops
- Protected against short circuit, overload and overheating
- Power LED
- 1.8 m connection cable with moulded hollow plug 5.5/2.5 mm
- 6 plug-in adapters: hollow plugs: 3.5/1.35 mm, 4.75/1.75 mm, 5.5/1.75 mm, 5.5/2.1 mm, 5.5/2.5 mm, 6.5/1.0 mm

Model	PSS-120NE
Input voltage	~ 100-240 V/50-60 Hz/1,800 mA
Output voltage	⎓ 15/16/18/19/20/22/24 V
Charging/output current	6/6/6/6/6/5/5 A
Admiss. ambient temp.	0-40 °C
Dimensions	64 x 35 x 170 mm
Weight	650 g



PSS-1005USB
Order No. 28.2560

Switch-mode power supply with USB output
- For devices which can be provided with power or be charged via USB port (e.g. mobile phones, MP3 players, GPS devices)
- High energy efficiency, complies with the EU ecodesign directive
- Saves electricity costs due to low standby power consumption (< 0.3 W)
- Input voltage: ~ 100-240 V/50-60 Hz
- Output voltage: ⎓ 5 V
- Output current: 1,000 mA max.
- USB Type-A output jack



PSS-2405USB
Order No. 28.2610

Switch-mode power supply with 2 USB outputs
- For devices which can be provided with power or be charged via USB port (e.g. mobile phones, MP3 players, GPS devices)
- High energy efficiency, complies with the EU ecodesign directive
- Saves electricity costs due to low standby power consumption (< 0.3 W)
- Input voltage: ~ 100-240 V/50-60 Hz
- Output voltage: ⎓ 5 V
- Output current: 2,400 mA max. (total output current for both USB outputs)
- 2 USB Type-A output jacks



CPA-2105USB
Order No. 28.2580

USB DC/DC voltage transformer for motor vehicles
- For devices which can be provided with power or be charged via USB port (e.g. tablet PCs, smartphones, MP3 players, GPS devices)
- Input: ⎓ 12 V/1,000 mA
- Output: ⎓ 5 V/2,100 mA
- Cigarette lighter plug for motor vehicles (suitable for most cars)
- USB Type-A output jack
- Power LED



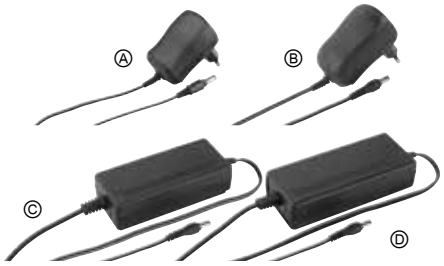
PS-120WP
Order No. 27.2000

12 V power supply for outdoor applications, with increased output current.
- Protected against short circuit, overload and overheating
- Low-voltage connections via 1.5 m cable, supplied with 7 plug-in adapters: plugs: 2.5 mm, 3.5 mm, hollow plugs: 2.35/0.75 mm, 3.5/1.35 mm, 5.0/2.1 mm, 5.5/2.1 mm, 5.5/2.5 mm; selectable polarity by reversing the supplied adapters
- ~ 230 V connection via 1.5 m mains cable with Euro plug

Model	PS-120WP
Input voltage	~ 230 V/50 Hz/60 VA
Output voltage	⎓ 12 V
Charging/output current	2 A
Admiss. ambient temp.	-10 to +40 °C
Dimensions	80 x 70 x 190 mm
Weight	710 g



Fixed Voltage Switch-mode Power Supplies
High energy efficiency, comply with the energy efficiency standards.
- Saves electricity costs due to low power consumption in standby mode (< 0.3 W)
- Protected against short circuit, overload and overheating
- Power LED
- 1.8 m connection cable
- Low-voltage plug 5.5/2.1 mm, positive pole at the internal contact



Model	Order No.	Input voltage	Output voltage	Charging/output current	Admiss. ambient temp.	Dimensions	Weight	Position
PSS-510DC	27.3170	~ 100-240 V/50-60 Hz/130 mA	⎓ 5 V	1 A	0-40 °C	38 x 49 x 67 mm	65 g	A
PSS-608DC	27.3180	~ 100-240 V/50-60 Hz/130 mA	⎓ 6 V	800 mA	0-40 °C	38 x 49 x 67 mm	65 g	A
PSS-906DC	27.3190	~ 100-240 V/50-60 Hz/130 mA	⎓ 9 V	660 mA	0-40 °C	38 x 49 x 67 mm	65 g	A
PSS-1205DC	27.3200	~ 100-240 V/50-60 Hz/130 mA	⎓ 12 V	500 mA	0-40 °C	38 x 49 x 67 mm	65 g	A
PSS-1210DC	27.3210	~ 100-240 V/50-60 Hz/250 mA	⎓ 12 V	1 A	0-40 °C	43 x 54 x 76 mm	135 g	B
PSS-1230DC	27.3220	~ 100-240 V/50-60 Hz/800 mA	⎓ 12 V	3 A	0-40 °C	50 x 32 x 116 mm	280 g	C
PSS-1250DC	27.3230	~ 100-240 V/50-60 Hz/1,300 mA	⎓ 12 V	5 A	0-40 °C	55 x 32 x 128 mm	340 g	D
PSS-2405DC	27.3260	~ 100-240 V/50-60 Hz/300 mA	⎓ 24 V	500 mA	0-40 °C	43 x 54 x 76 mm	135 g	B
PSS-2415DC	27.3240	~ 100-240 V/50-60 Hz/750 mA	⎓ 24 V	1.5 A	0-40 °C	50 x 32 x 116 mm	280 g	C
PSS-2430DC	27.3250	~ 100-240 V/50-60 Hz/1,300 mA	⎓ 24 V	3 A	0-40 °C	55 x 32 x 128 mm	340 g	D

PSL-12/12
Order No. 27.0060

PSL-12/24
Order No. 27.0100

LED switch-mode power supplies, for indoors.
- Especially for LED installations
- 12 W
- Low-noise according to EMC standard EN 61000-3-2 class A
- Protected against short circuit, overload and overvoltage
- Connection via bare cable ends
- Plastic housing with mounting flange

Model	PSL-12/12	PSL-12/24
Input voltage	~ 230 V/50 Hz	~ 230 V/50 Hz
Output voltage	⎓ 12 V	⎓ 24 V
Charg./output current	1 A	500 mA
Admiss. ambient temp.	-20-+50 °C	-20-+50 °C
Dimensions	77 x 40 x 29 mm	77 x 40 x 29 mm
Weight	78 g	78 g



PSL-18/12
IP67
Order No. 27.2100

PSL-18/24
IP67
Order No. 27.2110

LED switch-mode power supplies, for indoors and outdoors (IP67).
- Especially for LED installations
- 18 W
- Low-noise according to EMC standard EN 61000-3-2 class A
- Protected against short circuit, overload, overheating and overvoltage
- Connection via bare cable ends
- Plastic housing with mounting flange

Model	PSL-18/12	PSL-18/24
Input voltage	~ 230 V/50 Hz	~ 230 V/50 Hz
Output voltage	⎓ 12 V	⎓ 24 V
Charg./output current	1.5 A	750 mA
Admiss. ambient temp.	-20-+50 °C	-20-+50 °C
Dimensions	140 x 22 x 30 mm	140 x 22 x 30 mm
Weight	165 g	165 g



PSIP-60/12
IP67
Order No. 27.3430

PSIP-60/24
IP67
Order No. 27.3440

LED switch-mode power supplies, for indoors and outdoors (IP67).
- Especially for LED installations
- 60 W
- Due to automatic digital switching, suitable for small loads, e.g. ideally suited for individual LED strips
- Low-noise acc. to EMC standard EN 61000-3-2 class C
- Active PFC filter
- Protected against short circuit, overload, overheating and overvoltage
- Connection via bare cable ends
- Robust plastic housing with mounting flange

Model	PSIP-60/12	PSIP-60/24
Input voltage	~ 100-240 V/ 50 Hz/60 Hz	~ 100-240 V/ 50 Hz/60 Hz
Output voltage	⎓ 12 V	⎓ 24 V
Charg./output current	5 A	2.5 A
Admiss. ambient temp.	-20-+50 °C	-20-+50 °C
Dimensions	200 x 41 x 32 mm	200 x 41 x 32 mm
Weight	420 g	420 g



PSIP-150/12
IP65
Order No. 27.3410

PSIP-150/24
IP65
Order No. 27.3420

LED switch-mode power supplies, for indoors and outdoors (IP65).
- Especially for LED installations with high power requirements
- 130 W (PSIP-150/12) or 150 W (PSIP-150/24)
- Low-noise according to EMC standard EN 61000-3-2 class C
- Active PFC filter
- Fine adjustment of output current and output voltage
- Protected against short circuit, overload, overheating and overvoltage
- Connection via bare cable ends
- Robust metal housing with mounting flange

Model	PSIP-150/12	PSIP-150/24
Input voltage	~ 100-240 V/ 50 Hz/60 Hz	~ 100-240 V/ 50 Hz/60 Hz
Output voltage	⎓ 12 V, adjustable ⎓ 9-13 V	⎓ 24 V, adjustable ⎓ 22-27 V
Charging/output current	11 A, adjustable 5.5-11 A	6.3 A, adjustable 3.15-6.3 A
Admiss. ambient temp.	-20-+50 °C	-20-+50 °C
Dimensions	223 x 68 x 39 mm	223 x 68 x 39 mm
Weight	986 g	986 g



PSLF-12/12
Order No. 27.2120

PSLF-20/12
Order No. 27.1230

LED switch-mode power supplies, slimline design, for indoor applications.
- Especially for LED installations
- Low-noise according to EMC standard EN 61000-3-2 class A
- Protected against short circuit, overload, overvoltage
- Connection via screw terminals
- Plastic housing with mounting flange

Model	PSLF-12/12	PSLF-20/12
Input voltage	~ 230 V/50 Hz	~ 230 V/50 Hz
Output voltage	⎓ 12 V	⎓ 12 V
Charg./output current	1 A	1.67 A
Admiss. ambient temp.	-20-+50 °C	-20-+45 °C
Dimensions	128 x 13 x 50 mm	128 x 13 x 50 mm
Weight	70 g	75 g



PS-100/12S
Order No. 27.3500

PS-100/24S
Order No. 27.3510

Built-in power supplies
- Protected against short circuit, overload and overvoltage
- Fine adjustment of ouptut voltage
- Aluminium housing
- Mains connection and low-voltage connection via screw terminals

Model	PS-100/12S	PS-100/24S
Input voltage	~ 100-240 V	~ 100-240 V
Output voltage	⎓ 12 V	⎓ 24 V
Charg./output current	8.5 A	4.5 A
Admiss. ambient temp.	-30-+70 °C	-30-+70 °C
Dimensions	97 x 30 x 129 mm	97 x 30 x 129 mm
Weight	0.3 kg	0.3 kg



PS-200/12S
Order No. 27.3520

PS-200/24S
Order No. 27.3530

Built-in power supplies
- Protected against short circuit, overload and overvoltage
- Fine adjustment of ouptut voltage
- Aluminium housing
- Mains connection and low-voltage connection via screw terminals

Model	PS-200/12S	PS-200/24S
Input voltage	~ 100-240 V	~ 100-240 V
Output voltage	⎓ 12 V	⎓ 24 V
Charg./output current	16.7 A	8.4 A
Admiss. ambient temp.	-30-+70 °C	-30-+70 °C
Dimensions	115 x 30 x 215 mm	115 x 30 x 215 mm
Weight	0.725 kg	0.725 kg



PS-320/12S
Order No. 27.3540

PS-320/24S
Order No. 27.3550

Built-in power supplies
- Protected against short circuit, overload and overvoltage
- Fine adjustment of ouptut voltage
- Aluminium housing
- Mains connection and low-voltage connection via screw terminals

Model	PS-320/12S	PS-320/24S
Input voltage	~ 100-240 V	~ 100-240 V
Output voltage	⎓ 12 V	⎓ 24 V
Charg./output current	26.7 A	13.4 A
Admiss. ambient temp.	-30-+70 °C	-30-+70 °C
Dimensions	115 x 30 x 215 mm	115 x 30 x 215 mm
Weight	0.826 kg	0.826 kg



BC-1000L

Order No. 28.2590

IP65

Charger for rech. lead batteries, 6 V, 12 V, 1 A max.

- For motor vehicles and boats
- Protected against short circuit, reverse polarity and overload
- Trickle charge
- LEDs for indicating charging status and polarity
- 1.8 m connection cable with battery clamps

Model	BC-1000L
Input voltage	~ 230 V/50 Hz/180 mA
Output voltage	⎓ 7.3/14.4 V
Charging/output current	1 A max.
Charging time	dep. on capacity and charging status
Admiss. ambient temp.	0-40 °C
Dimensions	82 x 55 x 48 mm
Weight	190 g



BC-4000L

Order No. 28.2600

IP65

Charger for rech. lead batteries, 6 V, 12 V, 4 A max.

- For motor vehicles and boats
- Protected against short circuit, reverse polarity and overload
- Trickle charge
- LEDs for indicating charging status, polarity and faulty battery
- 1.8 m connection cable with battery clamps

Model	BC-4000L
Input voltage	~ 230 V/50 Hz/600 mA
Output voltage	⎓ 7.3/14.4/14.7 V
Charging/output current	6 V/0.8 A, 12 V/4 A max.
Charging time	dep. on capacity and charging status
Admiss. ambient temp.	0-40 °C
Dimensions	194 x 68 x 47 mm
Weight	530 g



TXA-1015ACCU

Order No. 17.3210

Rechargeable lead battery, 12 V, universal rech. battery, also suitable as a replacement for the TXA-10xx series and TXA-700USB.

- 12 V/4.5 Ah
- Maintenance-free, hermetically sealed
- Dimensions: 90 x 110 x 70 mm
- Weight: 1.8 kg



TXA-815ACCU

Order No. 17.2930

Rechargeable lead battery, 12 V, universal rech. battery, also suitable as a replacement for TXA-110 and the TXA-800 series.

- 12 V/2.9 Ah
- Maintenance-free, hermetically sealed
- Dimensions: 79 x 107 x 56 mm
- Weight: 1.2 kg



Series of Rechargeable Lead Batteries, 12 V

From PANASONIC, maintenance-free, especially high capacity, for general applications.

- Discharging or storing in any position
- For standby parallel operation (SBPO) and cycle operation (CO)

Panasonic

- 6-12 years service life in standby parallel operation, depending on the model (see list) and at 20 °C



Model	Order No.	Rated voltage	Capacity	Technology	VdS No.	Panasonic No.	Dimensions	Weight	Other features
NPA-12/1	28.0610	12 V	1.3 Ah	lead-acid	G196049	LC-R121R3PG	97 x 55 x 47.5 mm	0.54 kg	SBPO, CO, 6-9 years
NPA-12/2	28.0190	12 V	2.2 Ah	lead-acid	G188151	LC-R122R2PG	177 x 66 x 34 mm	0.82 kg	SBPO, CO, 6-9 years
NPA-12/3	28.0200	12 V	3.4 Ah	lead-acid	G191053	LC-R123R4PG	134 x 66 x 67 mm	1.19 kg	SBPO, CO, 6-9 years
NPA-12/7	28.1380	12 V	7.2 Ah	lead-acid	G193046	LC-R127R2PG	151 x 100 x 64.5 mm	2.54 kg	SBPO, CO, 6-9 years
NPA-12/12	28.1390	12 V	12 Ah	lead-acid	G100001	LC-RA1212PG	151 x 100 x 98 mm	3.94 kg	SBPO, CO, 6-9 years
NPA-12/17	28.0390	12 V	17 Ah	lead-acid	G104101	LC-XD1217D	181 x 167 x 76 mm	5.98 kg	SBPO, 10-12 years
NPA-12/24	28.0400	12 V	24 Ah	lead-acid	G198049	LC-P1224APG	165 x 175 x 125 mm	8.36 kg	SBPO, 10-12 years
NPA-12/38	28.1190	12 V	38 Ah	lead-acid	G100002	LC-X1238APG	197 x 175 x 165 mm	12.66 kg	SBPO, 10-12 years
NPA-12/65	28.1200	12 V	65 Ah	lead-acid	G199090	LC-X1265P/PG	350 x 175 x 166 mm	23.1 kg	SBPO, 10-12 years

Series of Alkaline Batteries

From PANASONIC.

- For consumers with high power consumption
- Long storage life



Model	Order No.	Rated voltage	Type	IEC	ANSI	Capacity	Technology	Quantity	Dimensions	Weight
LR-61	28.1660	9 V	9 V battery	6LR61	9 V	680 mAh	alkaline-manganese	1	25 x 46 x 16 mm	42 g
LRV-08	28.2240	12 V	23A	8LR932	1811A	38 mAh	alkaline-manganese	1	Ø 10 mm x 28 mm	8 g
LR-03	28.1600	1.5 V	AAA size	LR03	AAA	1,200 mAh	alkaline-manganese	4	Ø 10 mm x 44 mm	12 g/pc.
LR-03/24	28.1330	1.5 V	AAA size	LR03	AAA	1,200 mAh	alkaline-manganese	24	Ø 10 mm x 44 mm	12 g/pc.
LR-6	28.1610	1.5 V	AA size	LR6	AA	3,400 mAh	alkaline-manganese	4	Ø 14 mm x 50 mm	25 g/pc.
LR-6/24	28.1340	1.5 V	AA size	LR6	AA	3,400 mAh	alkaline-manganese	24	Ø 14 mm x 50 mm	25 g/pc.
LR-14	28.1620	1.5 V	C size	LR14	C	9,360 mAh	alkaline-manganese	2	Ø 25 mm x 50 mm	68 g/pc.
LR-20	28.1630	1.5 V	D size	LR20	D	19,760 mAh	alkaline-manganese	2	Ø 34 mm x 60 mm	142 g/pc.

Series of Lithium Batteries

From PANASONIC.

- Button cells for watches, organisers, pocket calculators, etc.



Model	Order No.	Rated voltage	Type	IEC	Capacity	Technology	Quantity	Dimensions	Weight
CR-2016	28.1780	3 V	button cell	CR2016	90 mAh	lithium-manganese dioxide	2	Ø 20 mm x 1.6 mm	1.7 g
CR-2025	28.1870	3 V	button cell	CR2025	165 mAh	lithium-manganese dioxide	2	Ø 20 mm x 2.5 mm	2.5 g
CR-2032	28.1750	3 V	button cell	CR2032	210 mAh	lithium-manganese dioxide	2	Ø 20 mm x 3.2 mm	3.3 g
CR-2032/6	28.1320	3 V	button cell	CR2032	210 mAh	lithium-manganese dioxide	6	Ø 20 mm x 3.2 mm	26 g
CR-2354	28.0090	3 V	button cell	CR2354	560 mAh	lithium-manganese dioxide	1	Ø 23 mm x 5.4 mm	6 g

LR-44

Order No. 28.1640



Alkaline battery from PANASONIC

- Button cell (LR44)
- Capacity: 1.5 V/105 mAh
- Dimensions: Ø 11.6 mm x 5.4 mm
- Weight: 2 g

ULTRALIFE

Order No. 28.1800



9 V lithium battery, high-energy

- For devices requiring a long operating ability, e.g. warning systems like smoke detectors or gas detectors
- Capacity: 1,200 mAh
- Long storage life, very low self-discharge
- Free of mercury and cadmium
- Dimensions: 26.5 x 49 x 16 mm

CR-2

Order No. 28.1930



Lithium battery

- Capacity: 3 V/850 mAh
- Dimensions: Ø 15 mm x 27 mm
- Weight: 11 g

CR-123

Order No. 28.0040



Lithium battery

- Capacity: 3 V/1,450 mAh
- Dimensions: Ø 16 mm x 34 mm
- Weight: 3 g

LS-14250

Order No. 28.0110



Lithium battery

- Capacity: 3.6 V/1,100 mAh
- Battery type: CR14250SL
- Dimensions: Ø 14 mm x 25 mm
- Weight: 8 g

LS-14500

Order No. 28.0120



Lithium battery

- AA size
- Capacity: 3.6 V/2,450 mAh
- Dimensions: Ø 14 mm x 50 mm
- Weight: 14 g

NIMH-2800/4

4x

Order No. 28.2420

NiMH rechargeable batteries, AA size, set of 4 from MONACOR.

- Nickel metal hydride
- Free of cadmium, lead and mercury

Model	NIMH-2800/4
Rated voltage	1.2 V
Type	AA size
ANSI	AA, 1.2H2
Capacity	2,800 mAh
Charging current	280 mA/1,400 mA normal/quick
Charging time	14 h/2.2 h normal/quick
Dimensions	Ø 14 mm x 50 mm
Weight	28 g/112 g



NIMH-900R/4

4x READY TO USE

Order No. 28.2410

NiMH rechargeable batteries, AAA size, set of 4 from MONACOR.

- Nickel metal hydride
- Low self-discharge, pre-charged
- Free of cadmium, lead and mercury

Model	NIMH-900R/4
Rated voltage	1.2 V
Type	AAA size
ANSI	AAA, 1.2H1
Capacity	900 mAh
Charging current	90 mA/450 mA normal/quick
Charging time	16 h/2.2 h normal/quick
Dimensions	Ø 10 mm x 44 mm
Weight	12 g/48 g



NIMHS-2100

Panasonic

Order No. 28.1910

NiMH rechargeable battery from PANASONIC.

- Nickel metal hydride
- Free of cadmium, lead and mercury
- Low self-discharge
- With soldering lugs

Model	NIMHS-2100
Rated voltage	1.2 V
Type	AA size
ANSI	AA
Capacity	2,100 mAh
Quantity	1
Charging current	200 mA/1,200 mA normal/quick
Charging time	16 h/1.5 h normal/quick
Dimensions	Ø 14 mm x 51 mm
Weight	27 g



TC-1000LCD

DIGITAL -ΔV

Order No. 28.1720

Plug-in charger

- For 1-4 rech. batteries AA size or AAA size NiMH type and NiCd type
- Charging control for each slot
- Microprocessor-controlled charging control (-ΔV control)
- Safety timer (12 h)
- Reverse polarity protection, Temperature monitoring
- Detection of faulty battery
- Illuminated display with LCD status indication for each charging slot

Model	TC-1000LCD
Input voltage	~ 230 V/50 Hz/80 mA
Output voltage	2 x ⎓ 1.4 V
Charging/output current	400 mA (1-2 rech. batteries) 200 mA (3-4 rech. batteries)
Charging time	from 2 h on, dep. on capacity
Trickle charge	yes
Reactivation	-
Admiss. ambient temp.	0-40 °C
Dimensions	65 x 60 x 105 mm
Weight	110 g



ACCU-CASE

Order No. 03.0700

Transport case

- For storing 4 rechargeable batteries or batteries AA size or AAA size
- Transparent plastic version
- Protects against short circuit or damage

Supplied w/o rech. batteries.



BT-11

Order No. 29.1910

Battery tester, LCD bar graph display.

- For different types of batteries and rech. batteries: AAA size, AA size, C size, D size, 9 V battery, CR123A, CR2, CR-V3, 2CR5, CR-P2, 1.5 V and 3 V button cells
- Power supply via 1.5 V battery AAA size (not supplied)



DCA-20D

Order No. 03.0720

Battery adapter AA size/D size

Practical adapter for general application of a high-capacity battery or a rech. battery AA size in a battery compartment D size.

Supplied w/o rech. batteries.



DCA-14C

Order No. 03.0710

Battery adapter AA size/C size

Practical adapter for general application of a high-capacity battery or a rech. battery AA size in a battery compartment C size.

Supplied w/o rech. batteries.



LEVELMAX-1

Order No. 37.0860

Sound level measuring system, consisting of a sound level meter and software.

The LEVELMAX-1 system is a combination of a software with an especially developed sound level meter (class 2) which measures the Leq.

The scope of delivery includes 2 versions of the software: the first version features measuring parameters which can universally be matched and also allow the applications if legal grounds change. The second version (dBmess swiss) additionally corresponds to the requirements of the Swiss noise emission and laser directive (SLV), version dated 1 May 2007.

The LEVELMAX system is tailor-made for applications in discotheques but also allows mobile applications without major restrictions.

- Leq, Li, Lmax, Lpeak and other values which are relevant for protecting the hearing are detected, stored and can be evaluated
- The most important values are displayed in an especially clearly arranged graph
- Compared with the quality and amount of stored data, the operation is very easy
- The additional system requirements are at a minimum and can also be met by customary laptops without any difficulties
- A remote inquiry is possible via an implemented webserver

Detected values:

- The instantaneous value is displayed with the time rating F (fast), S (slow) and I (impulse) as well as a peak value
- During the respective measurement, the following values are detected (and stored)
  - Energy-equivalent average value Leq (dBmess swiss: additionally Leq 60)
  - Max. value Lmax
  - Peak value Lpeak
  - Frequency weighting (A) is done via the LEVELMAX sound level meter

Evaluation:

- The detected values are stored every minute
- Leq, Lmax and Lpeak can be detected for any time period required

Remote inquiry:

- The unit can operate as a HTTP webserver. As soon as a TCP/IP connection is established, the programme can be accessed via any web browser

Scope of delivery:

- Sound level meter
- Power supply
- Microphone with cable (33 m) and windshield
- AC cable for connection to a PC
- Software
- Carrying bag



System requirements:

- PC with sound card, Windows* 7/8/10 (32-bit/64-bit version)
- Software update for older versions of Windows can be downloaded from our website

SM-1

Order No. 29.1980

Sound level meter, one-hand operation.

- Electret microphone cartridge
- A-weighting
- Functions max hold and min. hold
- Backlit LCD, switches off automatically
- 6.3 mm (¼") camera thread

Model	SM-1
Display	3 digits, LCD, 17 mm
Frequency range	100-8,000 Hz
Measuring range	40-130 dB
Resolution	0.1 dB
Accuracy	±3.5 dB (94 dB/1 kHz)
Admiss. ambient temp.	0-40 °C
Power supply	9 V battery (not supplied)
Dimensions	53 x 130 x 34 mm
Weight	130 g



SM-2

Order No. 29.1870

Sound level meter, (class 2), one-hand operation.

- Electret microphone cartridge
- Functions max hold and data hold
- A-weighting and C-weighting, slow and fast
- Additional output for ⎓/~ V via 3.5 mm jack
- Supplied with practical nylon bag

Model	SM-2
Display	3½ digits, LCD, 17 mm
Frequency range	31.5-8,000 Hz
Measuring range, low	35-100 dB
Measuring range, high	65-130 dB
Resolution	0.1 dB
Accuracy	±1.5 dB (94 dB/1 kHz)
Output V~	low: 38 mV/dB, 100 Ω high: 8.3 mV/dB, 100 Ω
Output V⎓	10 mV/dB, 100 Ω
Admiss. ambient temp.	0-40 °C
Power supply	9 V battery (not supplied)
Dimensions	63 x 253 x 30 mm
Weight	250 g



CT-1

Order No. 29.1960



Cable tester
For cables with the following connectors:
- XLR (3 poles)
- 6.3 mm
- RCA
- DIN (up to 5 poles)
- Banana plug
- Speaker (2 poles, 4 poles)

• LED fault indication, can be set for each contact via selector switch
• Audible and visible continuity test via supplied test leads
• Battery status LED
• Robust metal housing
• Power supply via 9 V battery (not supplied)
• Dimensions: 112 x 60 x 145 mm
• Weight: 580 g

CT-3

Order No. 29.1340



Cable tester
For cables with the following connectors:
- XLR (3 poles)
- XLR (5 poles)
- 6.3 mm
- RCA
- DIN (up to 8 poles)
- Banana plug
- Speaker (2 poles, 4 poles, 8 poles)
- USB Type-A
- RJ45

• LED fault indication, can be set for each contact via selector switch
• Audible and visible continuity test via supplied test leads
• Battery status LED
• Robust metal housing
• Power supply via 9 V battery (not supplied)
• Dimensions: 112 x 60 x 190 mm
• Weight: 800 g

CAT-1TEST

Order No. 29.2070



Line tester, for testing the continuity of Cat. 5, Cat. 6 and ISDN network lines.
• Connection test with LED indication for 8 single cores and shielding
• Detection of continuity, miswiring, disconnection, short circuit, crossover cable and earthing
• Power supply via 9 V battery (not supplied)
• Supplied with protective bag

CTG-1NOISE

Order No. 29.2050



XLR function tester, 48 V,
with integrated pink noise generator.
• LED fault indicator
• 3-pole NEUTRIK XLR plug
• Power supply via phantom power: 9-48 V
• Output amplitude: 100 mV_{pp}
• Dimensions: Ø 19 mm x 74 mm
• Weight: 32 g

CTG-1SINE

Order No. 29.2060



XLR function tester, 48 V,
with integrated 100 Hz sine wave generator.
• LED fault indicator
• 3-pole NEUTRIK XLR plug
• Power supply via phantom power: 9-48 V
• Output amplitude: 100 mV_{pp}
• Dimensions: Ø 19 mm x 74 mm
• Weight: 32 g

LM-200
Order No. 29.2010

Digital luxmeter, for measuring the luminous intensity.
- 0-50,000 lx, resolution: 0.1 lx
- 4 measuring ranges: 200/2,000/20,000/50,000 lx
- Functions max. and hold
- Selectable: lx/fc (foot-candle)
- LCD, 3½ digits
- Automatic switch-off
- Separate photo sensor with helix cable
- Supplied with carrying bag
- Power supply via battery 1 x ⎓ 12 V, type A23 (not supplied)
- Meter: 65 x 25 x 188 mm, 93 g
- Photo sensor: 60 x 27 x 115 mm, 52 g



ZM-100
DIGITAL
Order No. 17.1950

Impedance meter, for measuring the impedance (Z) of speakers.
- Measurement with pulsed 1 kHz signal
- Power received at the mains of the 100 V speaker is calculated and displayed
- Range button and hold button
- Measuring ranges: 200 Ω/2 kΩ/20 kΩ/200 kΩ
- Power supply via 4 x 1.5 V battery AA size



VD-100
Order No. 29.1990

Non-contact voltage tester
- Induction detector for voltages of ~ 100-600 V/50-60 Hz
- Audible and visible warning
- CAT III 1,000 V
- Integrated LED lamp
- Power supply via 2 x 1.5 V batteries AAA size (not supplied)
- Dimensions: Ø 26 mm x 176 mm
- Weight: 30 g



RF-1700NFA
Order No. 06.8920

Loop near field antenna, for RF spectrum analyser.
- Frequency range: 1 MHz to 7 GHz
- SMA connection



RF-2400DA
2.4 GHz
Order No. 06.8930

RF-5800DA
5.8 GHz
Order No. 06.8950

Directional antennas, for RF spectrum analyser.
- SMA connection



RF-2458CL
Order No. 06.8940

Cloverleaf antenna, for RF spectrum analyser.
- Frequency range: 2.4 GHz, 5.8 GHz
- SMA connection



RF-27LTE
Order No. 06.8730

Antenna, for RF spectrum analyser.
- Improves reception of the LTE frequency band
- Folding 90°, with 15° locking



SMA-10DB
-10 dB
Order No. 06.8960

SMA-30DB
-30 dB
Order No. 06.8970

SMA-60DB
-60 dB
Order No. 06.8980

Attenuator, 2 W, for RF spectrum analyser and RF signal generator.
- Frequency range: 0-6 GHz
- SMA connection



SMA-130PL
Order No. 06.8650

Power limiter, 50 Ω, with integrated 6 dB attenuator.
- Frequency range: 0-3,000 MHz
- Power limitation for signals up to +30 dBm max. (1 W)
- Protected against DC voltage overload up to ⎓ 16 V
- Max. output power: +4 dBm



Full specifications can be found on our website www.monacor-international.de.

RF-EXPLORER/3

Order No. 25.4670

RF-EXPLORER/6

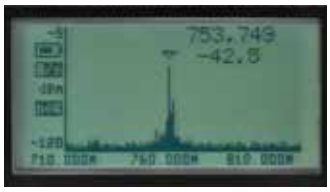
Order No. 25.7370

RF spectrum analysers in a compact aluminium housing with two antennas (SMA connection) for the different frequency ranges, among other things, for preventing frequency collisions when setting up radio links in the specified frequency range.

- Real-time monitoring of the frequency range used with indication of frequency and level (dBm and dBµV)
- Backlit high-contrast graphic display (128 x 64 pixels)
- Automarker function and manual marker positioning for setting an individual carrier frequency
- Special Wi-Fi analyser with display of 13 WLAN channels
- Max hold function for a reliable detection of ultra-short RF carrier frequencies (additional modes: normal, max., average, overwrite)
- Mini USB 2.0 interface for connection to a PC or laptop as well as for charging the built-in rechargeable lithium polymer battery
- Supplied with transport bag and USB cable
- Client software with real-time analysis for Windows* XP/Vista/Win7/Win8 (32-bit or 64-bit version) can be downloaded at www.monacor.com
- Dimensions: 71 x 122 x 25 mm
- LTE antenna RF-27LTE is available at option

RF-EXPLORER/3: 15-2,700 MHz, rech. batt: 860 mAh, weight: 200 g
RF-EXPLORER/6: 15-2,700 MHz, 4,850-6,100 MHz, rech. batt: 1,000 mAh, weight: 210 g









RF-GENERATOR1

Order No. 25.6000

RF signal generator, 23.4-6,000 MHz

- Fully programmable RF generator
- Generates carrier and wobble signals from 23.4 MHz to 6 GHz
- Convenient operation
- In combination with RF-EXPLORER/3 or RF-EXPLORER/6 and windows software for RF-EXPLORER, results in a high-performance tracking generator which allows a scalar, i.e. amplitude-based, RF network analysis (SNA) of filters, amplifiers or other 2-port RF components
- Extension slot for additional modules
- Frequency resolution: 1 kHz
- Frequency stability: 0.5 ppm
- Amplitude range: -10 dBm to 0 dBm or with integrated attenuator (30 dB): -40 dBm to -30 dBm
- Step size of amplitude: 3 dB
- Amplitude accuracy: ±0.5 dB standard or ±3 dB absolute
- 50 Ω SMA connection
- Mini USB 2.0 interface for connecting a PC or laptop as well as for charging the built-in rechargeable lithium polymer battery (860 mAh)
- Dimensions: 71 x 122 x 25 mm
- Weight: 185 g



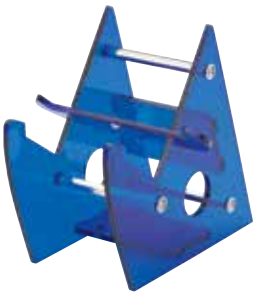
RF-HOLDER

Order No. 25.0020

Holder, for the RF series.

- Blue plastic, 3 mm thick
- Supplied as an assembly kit
- Dimensions: 90 x 105 x 90 mm (assembled)
- Weight: 90 g

Supplied w/o device.



RF-COVER/BL

Order No. 25.7000

RF-COVER/GE

Order No. 25.7010

RF-COVER/RT

Order No. 25.8000

RF-COVER/SW

Order No. 25.8010

Protective covers, for the RF series.

Supplied w/o device.



TL-250
Order No. 07.0360

CAT III 1000 V | PAAR PAIR



Pair of test leads
- Highly flexible PVC test lead, red/black
- 4 mm right-angle safety plug
- 2 mm test prod
- Test lead Ø 3 mm, CAT III 1,000 V 10 A
- Length: 120 cm

TH-6
Order No. 07.0230

PAAR PAIR



Pair of clamp-type test prods
- Extra long, 135 mm
- Jack for banana plugs
- Screw terminal for cable connection
- Black/red

CC-320
Order No. 07.0080



Combo test lead set
- Various adapters
- Cable length: 90 cm

TH-40
Order No. 07.0160

PAAR PAIR | CAT II 1000 V



Pair of clamp-type test prods 5 A, for pushing onto the safety test leads of the TLP-... series.
- Colour: red and black
- Flexible shaft
- Telescopic spring wire hooks
- According to CAT II (1,000 V)
- All-insulated due to covered plug-in contacts, Ø 4 mm
- Total length: 160 mm

CC-311A
Order No. 07.0030

PAAR PAIR



Test leads
- Black and red
- Highly flexible
- 2 mm plugs and banana plugs
- Length: 100 cm

TH-1/RT
Order No. 07.0180

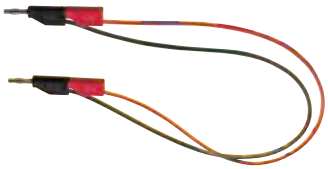
TH-1/SW
Order No. 07.0190



Miniature clamp-type test prods
- For small objects like IC connections
- Test lead can be soldered on after removing the cap
- Red (RT) or black (SW)

TLP-100/RT
Order No. 07.0730

TLP-100/SW
Order No. 07.0740



Test Leads
- With spliced, stackable banana plugs
- Highly flexible cable with PVC insulation
- Suitable for signal voltages and safety extra-low voltages (SELV)
- Length: 100 cm
- Red (RT) or black (SW)

TH-10/RT
Order No. 07.0200

TH-10/SW
Order No. 07.0210



Subminiature clamp-type test prods
- High precision
- Special miniature design for hard-to-reach measuring points
- Length: 40 mm
- Red (RT) or black (SW)

CC-313
Order No. 07.0050

PAAR PAIR



Test leads
- Banana plugs and alligator clips
- Length: approx. 100 cm

KH-15
Order No. 03.0380



Multi-purpose cable holder, for accessibly storing all kinds of cables and test leads.
- With 16 slots of different widths
- Dimensions: 325 x 90 mm

MK-612S
Order No. 07.0120

10 x



Connection leads
- Two leads each in the colours red, black, green, yellow, white
- Insulated alligator clips
- Length: 45 cm

DMT-4CC
Order No. 07.0640



Soft carrying bag, for digital and analogue multimeters.
- Soft imitation leather
- With wrist strap and inner lining
- Inside dimensions: 110 x 190 x 50 mm

DMT-4010RMS

IP67 | CAT IV 600 V | CAT III 1000 V

Order No. 29.2020

Digital multimeter, for professional applications.

- True RMS measuring method
- Autoranging for faster measurements
- Additional bar graph display
- Acoustic continuity test
- Diode test
- Data hold (storage of measured value)
- Peak hold
- Recording of max. value and min. value
- Automatic switch-off
- Supplied with test leads and protective bag

Model	DMT-4010RMS
Voltage	5 ranges ⎓ 400 mV-1,000 V ~ 400 mV-1,000 V
Current	5 ranges ⎓ 400 µA-10 A ~ 400 µA-10 A
Resistance	6 ranges 400 Ω-40 MΩ
Frequency	4 ranges 4 kHz-10 MHz
Capacitance	8 ranges 4 nF-40 mF
Temperature	1 range -20 °C to +760 °C -4 °F to +1,400 °F type K sensor



DMT-4004

IP67 | CAT IV 600 V | CAT III 1000 V

Order No. 29.1970

Digital multimeter, for professional applications.

- Autoranging for faster measurements
- Acoustic continuity test
- Diode test
- Data hold (storage of measured value)
- Reference value measurements
- Automatic switch-off
- Supplied with test leads and protective bag

Model	DMT-4004
Voltage	5 ranges ⎓ 400 mV-1,000 V ~ 400 mV-1,000 V
Current	5 ranges ⎓ 400 µA-10 A ~ 400 µA-10 A
Resistance	6 ranges 400 Ω-40 MΩ
Frequency	7 ranges 9,999 Hz-9,999 MHz
Capacitance	6 ranges 4 nF-200 µF
Temperature	-



DMT-2010

CAT III 250 V

Order No. 29.2040

Digital multimeter, for general applications.

- Autoranging for faster measurements
- Acoustic continuity test
- Diode test
- Data hold (storage of measured value)
- Automatic switch-off
- Supplied with test leads

Model	DMT-2010
Voltage	5 ranges ⎓ 400 mV-250 V ~ 400 mV-250 V
Current	5 ranges ⎓ 400 µA-10 A ~ 400 µA-10 A
Resistance	6 ranges 400 Ω-40 MΩ
Frequency	8 ranges 5 Hz-10 MHz
Capacitance	4 ranges 40 nF-100 µF
Temperature	1 range -20 °C to +760 °C -4 °F to +1400 °F type K sensor



DMT-2004

CAT III 250 V

Order No. 29.2030

Digital multimeter, for general applications.

- Battery test for 9 V battery and 1.5 V batteries
- Acoustic continuity test
- Diode test
- Data hold (storage of measured value)
- Supplied with test leads

Model	DMT-2004
Voltage	5 ranges ⎓ 200 mV-250 V ~ 200 mV-250 V
Current	4 ranges ⎓ 2,000 µA-10 A
Resistance	5 ranges 200 Ω-2,000 kΩ
Battery test	9 V, 1.5 V



Moving Coil Panel Meters

With mirror scale, all-plastic housing, quality class 2, zero point correction. The meters are prewired for an illumination.





Model	Order No.	Measuring range	Internal resistance	Dimensions display	Mounting cutout	Mounting depth
PM-2/30UA	29.0600	0.03 mA	6.5 kΩ	60.3 x 46.3 mm	Ø 37.5 mm	23 mm
PM-2/50UA	29.0660	0.05 mA	6.5 kΩ	60.3 x 46.3 mm	Ø 37.5 mm	23 mm
PM-2/+-50UA	29.0450	± 0.05 mA	1.9 kΩ	60.3 x 46.3 mm	Ø 37.5 mm	23 mm
PM-2/100UA	29.0540	0.1 mA	1.0 kΩ	60.3 x 46.3 mm	Ø 37.5 mm	23 mm
PM-2/1MA	29.0480	1 mA	200 Ω	60.3 x 46.3 mm	Ø 37.5 mm	23 mm
PM-2/50MA	29.0650	50 mA	1.2 Ω	60.3 x 46.3 mm	Ø 37.5 mm	23 mm
PM-2/100MA	29.0530	100 mA	0.65 Ω	60.3 x 46.3 mm	Ø 37.5 mm	23 mm
PM-2/1A	29.0470	1 A	60 mΩ	60.3 x 46.3 mm	Ø 37.5 mm	23 mm
PM-2/3A	29.0590	3 A	20 mΩ	60.3 x 46.3 mm	Ø 37.5 mm	23 mm
PM-2/5A	29.0640	5 A	12 mΩ	60.3 x 46.3 mm	Ø 37.5 mm	23 mm
PM-2/10A	29.0500	10 A	6 mΩ	60.3 x 46.3 mm	Ø 37.5 mm	23 mm
PM-2/15A	29.0560	15 A	4 mΩ	60.3 x 46.3 mm	Ø 37.5 mm	23 mm
PM-2/10V	29.0520	10 V	10 kΩ	60.3 x 46.3 mm	Ø 37.5 mm	23 mm
PM-2/15V	29.0570	15 V	15 kΩ	60.3 x 46.3 mm	Ø 37.5 mm	23 mm
PM-2/25V	29.0580	25 V	25 kΩ	60.3 x 46.3 mm	Ø 37.5 mm	23 mm
PM-2/30V	29.0610	30 V	30 kΩ	60.3 x 46.3 mm	Ø 37.5 mm	23 mm

V-22

Order No. 29.1050

Panel meter, with VU lettering, 250 μA/750 Ω, ±10%.



E-11A

Order No. 29.0190

Profile panel meter
- For tuning and level display
- Scale 1-6
- 120 μA/750 Ω
- Illuminated



TC-2510L

Order No. 03.1050

Fuse holder
- For American/Japanese fine-wire fuses (6.3 x 32 mm)
- Ø 15 mm
- Insertion length: 42 mm
- ⎓ 10 A/ > 50 V



GE-860

Order No. 07.0090

BNC plug/banana jack
- Distance: 19 mm
- Counterpart to GE-866
- Useful measuring adapter, e.g. in combination with an oscillograph



T-561

Order No. 34.2700

Miniature sliding switch
- 2 x ON/ON
- PCB mounting
- Pin spacing: 3.96 mm
- Contacts flux-sealed
- For safety extra-low voltage or signal voltage



T-217

Order No. 01.1630

Miniature sliding switch
- 2 x ON/ON
- Current rating: 0.3 A
- For safety extra-low voltage or signal voltage



FS-10
Order No. 01.3260

MIYAMA



Momentary foot switch
- Push = ON
- For hole Ø 12 mm
- For safety extra-low voltage or signal voltage
- Current rating: 6 A

FS-25
Order No. 01.3270



Momentary foot switch
- 2 x ON/(ON)
- For hole Ø 12 mm
- For safety extra-low voltage or signal voltage

FS-40
Order No. 01.0260

MIYAMA



Foot switch
- 2 x ON/ON
- For hole Ø 12 mm
- For safety extra-low voltage or signal voltage
- Current rating: 10 A

FS-45
Order No. 01.3280



Foot switch
- 2 x ON/ON
- For hole Ø 12 mm
- For safety extra-low voltge or signal voltage

MS-256
Order No. 01.0630

MIYAMA



Push switch
- Single-pole
- ON/OFF
- For safety extra-low voltage or signal voltage
- Current rating: 3 A

DS-452
Order No. 01.0010

MIYAMA



Push switch
- Single-pole, ON/OFF
- Soft touch
- At least 100,000 switching cycles
- For safety extra-low voltage or signal voltage
- Current rating: 3 A

DS-850
Order No. 01.0210

MIYAMA



Rocker switch
- Single-pole, ON/OFF
- ~ 250 V/3 A

MS-198/RT
Order No. 01.0560

MIYAMA

MS-198/SW
Order No. 01.0570

MIYAMA



Push switches
- Single-pole
- ON/OFF switch
- With central fixing
- For safety extra-low voltage or signal voltage
- Current rating: 3 A
- Red (RT) or black (SW)

MS-564/RT
Order No. 01.2050

MIYAMA

MS-564/SW
Order No. 01.2060

MIYAMA



Rocker switches
- 2 x ON
- Snap-in version
- For safety extra-low voltage or signal voltage
- Current rating: 5 A
- Red (RT) or black (SW)

MS-131/RT
Order No. 01.0540

MIYAMA

MS-131/SW
Order No. 01.0550

MIYAMA



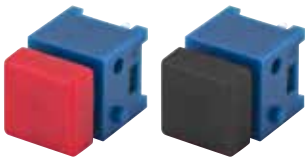
Momentary push-buttons
- Single-pole
- NO contact
- For safety extra-low voltage or signal voltage
- Press-in mounting
- Red (RT) or black (SW)

MS-660/RT
Order No. 01.1230

MIYAMA

MS-660/SW
Order No. 01.1240

MIYAMA



Mini momentary PCB push-buttons, end-to-end mounting
- Single-pole, pin spacing: 5 mm
- NO contact
- Dimensions: 10 x 10 mm
- For safety extra-low voltage or signal voltage
- Current rating: 1 A
- Red (RT) or black (SW)

Miniature Momentary Push-buttons

- Plastic version
- Single-pole, NO contact
- For safety extra-low voltage or signal voltage



Model	Order No.	Colour/colour coding
M-312/BL	01.0340	blue
M-312/GE	01.0350	yellow
M-312/GN	01.0360	green
M-312/RT	01.0370	red
M-312/SW	01.0380	black

Miniature Momentary Push-buttons

- Metal version for high requirements
- Single-pole, NO contact
- For safety extra-low voltage or signal voltage



Model	Order No.	Colour/colour coding
M-412/BL	01.0430	blue
M-412/RT	01.0460	red
M-412/SW	01.0470	black

MS-650/RT

Order No. 01.1850

MIYAMA

MS-650/SW

Order No. 01.1860

MIYAMA



Miniature momentary push-buttons

- 1 x ON/ON
- Hermetically sealed
- PCB connections
- For safety extra-low voltage or signal voltage
- Current rating: 0.4 VA

MS-402/RT

Order No. 01.0790

MIYAMA

MS-402/SW

Order No. 01.0800

MIYAMA



Micro momentary push-buttons

- Single-pole (NO contact)
- For safety extra-low voltage or signal voltage
- Current rating: 0.5 A

NS-250

Order No. 01.1290



Key switch

- Switching contact, 1 x ON/ON, ~ 150 V/3 A
- Length: 42 mm
- Mounting hole: Ø 19 mm

NS-32

Order No. 01.2910



Momentary key switch

- Contact for momentary action 1 x ON, ~ 150 V/3 A
- Length: 32 mm
- Mounting hole: Ø 19 mm

NS-30

Order No. 01.1300



Key switch

- Switching contact 1 x ON, ~ 150 V/3 A
- Length: 42 mm
- Mounting hole: Ø 19 mm

NS-15

Order No. 01.1280



Key switch

- Switching contact 1 x ON, ~ 120 V/2 A
- Length: 26 mm
- Mounting hole: Ø 12 mm

NRK-325

Order No. 01.1720



Blank key, for key switch NS-30 and NS-250.

NS-10

Order No. 01.1270



Key switch

- Switching contact 1 x ON, ~ 120 V/1 A
- Length: 29 mm
- Mounting hole: Ø 16 mm

Precision Toggle Switches

With momentary acting functions and switching functions, for high switching currents and a long service life.

- Central fixing Ø 6 mm
- For safety extra-low voltage or signal voltage
- Low contact resistance of 20 mΩ max.
- Sealed soldering contacts
- Chromium-plated toggles

MIYAMA



Ⓐ Ⓑ

Model	Order No.	Type	Switching function	Power rating	PC spacing	Position
MS-520	01.0820	standard toggle	1 x ON/ON	6 A	-	A
MS-521	01.0830	standard toggle	1 x ON/(ON)	6 A	-	A
MS-522	01.0840	standard toggle	1 x ON/OFF/ON	6 A	-	A
MS-523	01.0850	standard toggle	1 x ON/OFF/(ON)	6 A	-	A
MS-524	01.0860	standard toggle	1 x (ON)/OFF/(ON)	6 A	-	A
MS-525	01.0870	standard toggle	2 x ON/ON	6 A	-	A
MS-527	01.0890	standard toggle	2 x ON/OFF/ON	6 A	-	A
MS-530	01.0920	flat toggle	1 x ON/ON	6 A	-	B

Precision Toggle Switches

For high switching currents and a long service life.

- Central fixing Ø 6 mm
- Low contact resistance of 20 mΩ max.
- For safety extra-low voltage or signal voltage
- Sealed soldering contacts
- Chromium-plated toggles

MIYAMA



Model	Order No.	Switching function	Power rating	Weight
M-90/2A	01.0490	1 x ON/OFF	10 A	5 g
M-90/6A	01.0520	2 x ON/ON	10 A	6 g

Precision Toggle Switches

For high switching currents and a long service life.

- Central fixing Ø 6 mm
- Low contact resistance of 20 mΩ max.
- For safety extra-low voltage or signal voltage
- Sealed soldering contacts
- Chromium-plated toggles

MIYAMA



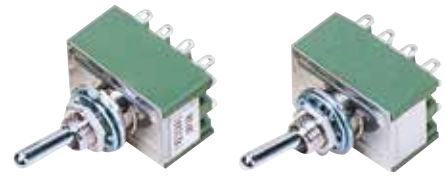
Model	Order No.	Switching function	Power rating
MS-243	01.0600	ON/OFF	3 A
MS-244	01.0610	1 x ON/ON	3 A

Precision Toggle Switches

For high switching currents.

- Central fixing Ø 6 mm
- For safety extra-low voltage or signal voltage
- Low contact resistance of 20 mΩ max.
- Sealed soldering contacts
- Chromium-plated toggles

MIYAMA



Model	Order No.	Switching function	Power rating
MS-311	01.0710	1 ON/ON	3 A
MS-313	01.0720	1 x ON/OFF/ON	3 A
MS-321	01.0730	2 x ON/ON	3 A
MS-323	01.0740	2 x ON/OFF/ON	3 A

MSC-00/SW

Order No. 01.1260

MIYAMA

PVC switch cover, black, for pushing onto toggle switches of the series MS-3..., MS-5... and M-90/...



MS-310

Order No. 01.0700

Toggle switch

- With central fixing, robust version
- 3 positions: 2 x ON/OFF/ON, with screw terminals
- For safety extra-low voltage or signal voltage



Rotary Multistep Switches

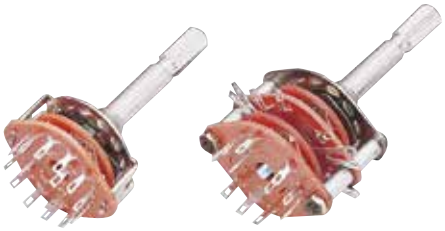
Short version. Standard version (RS-...) or PCB version (RSP-...). Shaft: Ø 6 mm x 17 mm.



Model	Order No.	Wafers	Contacts	Switch positions
RS-126S	01.2930	1	2	6
RSP-126S	01.2890	1	2	6
RS-134S	01.2940	-	3	4

Rotary Multistep Switches

With central fixing, Ø 9 mm, make-before-break, Pertinax, shaft: Ø 6 mm x 40 mm.

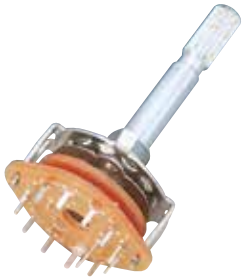


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Model	Order No.	Wafers	Contacts	Switch positions
RS-126	01.1380	1	2	6
RS-133	01.1410	-	3	3
RS-134	01.1420	1	3	4
RS-246	01.1480	2	2 x 2	6
RS-263	01.1490	2	2 x 3	3
RS-1112	01.1340	1	1	12
RS-2212	01.1470	2	2 x 1	12

Rotary Multistep Switches

PCB version, make-before-break, Pertinax, shaft: Ø 6 mm x 40 mm.



Model	Order No.	Wafers	Contacts	Switch positions
RSP-126	01.1560	1	2	6
RSP-1112	01.1530	1	1	12

Rotary Knobs

For slotted shafts Ø 6 mm, different versions.

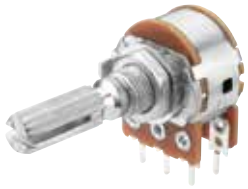


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Model	Order No.	Colour	Suitable for	Dimensions	Pos.
KN-10	03.2990	mat black with gold-coloured marking	18 teeth, height: 18.5-17.5 mm	Ø 20 mm	A
KN-115	03.3180	mat black with gold-coloured marking	18 teeth, height: 18.5-17.5 mm	Ø 15 mm	B
KN-125	03.3190	mat black with gold-coloured marking	18 teeth, height: 18.5-17.5mm	Ø 25 mm	C
KN-130	03.3200	mat black with gold-coloured marking	18 teeth, height: 18.5-17.5 mm	Ø 30 mm	D
KN-15	03.0630	black, finely ribbed, white marking	press fit	Ø 15 mm	E
KN-25	03.1720	black, white marking	L-pad attenuator, press fit	Ø 23 mm	F

Potentiometers, stereo

With slotted 6 mm shaft, for 18-tooth push-on buttons, with nut fixing and PCB solder connections.



Model	Order No.	Resistance	Characteristic	Power rating	Insulating resistance	Test voltage	Tracking error	Rotation angle	Clicks
VRA-141S10	01.2740	10 kΩ	log.	0.1 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	41
VRA-141S50	01.2750	50 kΩ	log.	0.1 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	41
VRA-141S100	01.2760	100 kΩ	log.	0.1 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	41
VRA-100S10	01.2310	10 kΩ	log.	0.1 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-
VRA-100S50	01.2320	50 kΩ	log.	0.1 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-
VRA-100S100	01.2330	100 kΩ	log.	0.1 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-
VRA-100S500	01.2340	500 kΩ	log.	0.1 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-
VRB-141S10	01.2700	10 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	41
VRB-141S50	01.2710	50 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	41
VRB-141S100	01.2720	100 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	41
VRB-101S10	01.2410	10 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	centre
VRB-101S50	01.2420	50 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	centre
VRB-101S100	01.2430	100 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	centre
VRB-100S10	01.2270	10 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-
VRB-100S50	01.2280	50 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-
VRB-100S100	01.2290	100 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-
VRB-100S500	01.2300	500 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-

Potentiometers, mono

With slotted 6 mm shaft, for 18-tooth push-on buttons, with nut fixing and PCB solder connections.



Model	Order No.	Resistance	Characteristic	Power rating	Insulating resistance	Test voltage	Tracking error	Rotation angle	Clicks
VRA-141M10	01.2660	10 kΩ	log.	0.1 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	41
VRA-141M50	01.2670	50 kΩ	log.	0.1 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	41
VRA-100M1	01.2180	1 kΩ	log.	0.1 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-
VRA-100M5	01.2190	5 kΩ	log.	0.1 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-
VRA-100M10	01.2200	10 kΩ	log.	0.1 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-
VRA-100M20	01.2210	20 kΩ	log.	0.1 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-
VRA-100M50	01.2220	50 kΩ	log.	0.1 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-
VRA-100M100	01.2230	100 kΩ	log.	0.1 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-
VRA-100M200	01.2240	200 kΩ	log.	0.1 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-
VRA-100M500	01.2250	500 kΩ	log.	0.1 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-
VRA-100M1000	01.2260	1 MΩ	log.	0.1 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-
VRB-141M10	01.2620	10 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	41
VRB-141M50	01.2630	50 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	41
VRB-141M100	01.2640	100 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	41
VRB-101M10	01.2350	10 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	centre
VRB-101M20	01.2360	20 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	centre
VRB-101M50	01.2370	50 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	centre
VRB-101M100	01.2380	100 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	centre
VRB-100M1	01.2090	1 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-
VRB-100M5	01.2100	5 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-
VRB-100M10	01.2110	10 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-
VRB-100M20	01.2120	20 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-
VRB-100M50	01.2130	50 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-
VRB-100M100	01.2140	100 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-
VRB-100M200	01.2150	200 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-
VRB-100M500	01.2160	500 kΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-
VRB-100M1000	01.2170	1 MΩ	linear	0.2 W	< 100 MΩ/⎓ 500 V	~ 500 V/1 min.	±3 dB, 0/-40 dB	300° ±5°	-

Rotary Knobs

Plastic with fine rubber cover for slotted shafts Ø 6 mm.



Model	Order No.	Colour	Dimensions	Pos.
KN-11/BL	03.2910	black/blue	Ø 11 mm	A
KN-11/GR	03.2940	black/grey	Ø 11 mm	B
KN-11/RT	03.2950	black/red	Ø 11 mm	C
KN-11/SW	03.3540	black/black	Ø 11 mm	D
KN-11/WS	03.2960	black/white	Ø 11 mm	E

PEB-312
Order No. 04.0630



Alarm piezo buzzer
- Sound pressure: 105 dB (30 cm dist.)
- 2,900Hz continuous sound
- Power supply: ⎓ 12 V/30 mA
- Voltage range: ⎓ 1-13 V
- Ø 45 mm x 26 mm
- Admissible ambient temperature: -20 °C to +60 °C

PEB-312P
Order No. 04.2700



Alarm piezo buzzer
- Sound pressure: 100 dB (30 cm dist.)
- 2,900 Hz pulsed sound
- Power supply: ⎓ 12 V/20 mA
- Voltage range: ⎓ 1-13 V
- Ø 45 mm x 26 mm
- Admissible ambient temperature: -20 °C to +60 °C

PEB-618S
Order No. 04.3250



Alarm piezo buzzer
- Sound pressure: 105 dB (30 cm dist.)
- 2,600 Hz continuous sound
- Power supply: ⎓ 12 V/20 mA
- Voltage range: ⎓ 6-18 V
- Single-hole mounting: Ø 18 mm
- Hole distance: 34 mm
- Ø 29 mm x 24 mm
- Admissible ambient temperature: -20 °C to +60 °C

PEB-2618S
Order No. 04.3260



Alarm piezo buzzer
- Sound pressure: 105 dB/95 dB (30 cm distance)
- 2,700Hz continuous or pulsed sound
- Power supply: ⎓ 12 V/20 mA/15 mA
- Voltage range: ⎓ 6-18 V
- Single-hole mounting: Ø 18 mm
- Hole distance: 34 mm
- Ø 29 mm x 24 mm
- Admissible ambient temperature: -20 °C to +60 °C

PEB-90S
Order No. 04.0650



Alarm buzzer
- Sound pressure: 90 dB (30 cm dist.)
- 2,800 Hz continuous sound
- Power supply: ⎓ 9 V/40 mA
- Voltage range: ⎓ 6-11 V
- Hole distance: 34 mm
- Ø 28 mm x 20 mm
- Admissible ambient temperature: -20 °C to +60 °C

MEB-827
Order No. 04.0540



Alarm buzzer
- Sound pressure: 85 dB (30 cm dist.)
- 3,400 Hz continuous sound
- Power supply: ⎓ 24 V/8 mA
- Voltage range: ⎓ 7-28 V
- Hole distance: 26.5 mm
- Ø 22 mm x 12.5 mm
- Admissible ambient temperature: -20 °C to +60 °C

Alarm Buzzers
- Sound pressure: ≥ 75 dB (30 cm distance)
- 400 Hz continuous sound
- Hole distance: 27 mm
- 33 x 15 x 16 mm
- Admissible ambient temperature: -20 °C to +60 °C



Model	Order No.	Alarm signal	Frequency	Sensitivity	Operating voltage	Voltage range	Power supply	Dimensions	Admiss. ambient temp.	Weight
MEB-6SM	04.3230	continuous sound	400 Hz	75 dB	6 V	⎓ 3-7 V	⎓ 6 V/20 mA	33 x 15 x 16 mm	-20-+60 °C	10 g
MEB-12SM	04.3220	continuous sound	400 Hz	75 dB	12 V	⎓ 7-17 V	⎓ 12 V/15 mA	33 x 15 x 16 mm	-20-+60 °C	10 g

UST-40R
Order No. 23.1230

UST-40T
Order No. 23.1240

Ultrasonic ceramic cartridges, of high quality, can be used as US microphone (receiver UST-40R) or as signal transmitter (transmitter UST-40T), e.g. for alarm systems.

Model	UST-40R	UST-40T
Sensitivity	-	120 dB/W/m
Frequency	40 kHz, ±1 kHz	40 kHz, ±1 kHz
Sensitivity	5.0 mV/Pa/1 kHz	5.0 mV/Pa/1 kHz
Capacitance	2,400 pF	2,400 pF
Input signal	-	20 V max.
Dimensions	Ø 16 mm x 12 mm	Ø 16 mm x 12 mm



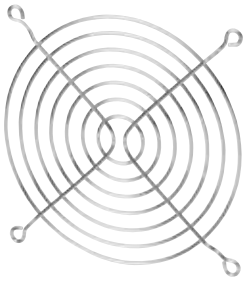
CFG-1
Order No. 03.0300

Fan grille, matching 80 mm fans, e.g. CF-80.



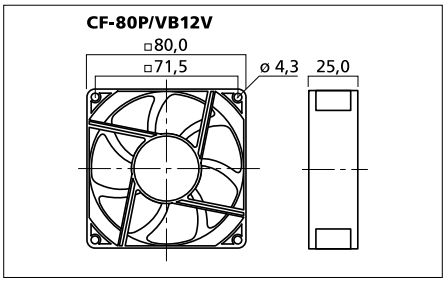
CFG-5
Order No. 03.0310

Fan grille, matching 120 mm fans, e.g. CF-120M/BB.



CF-80P/VB12V
Order No. 03.2350

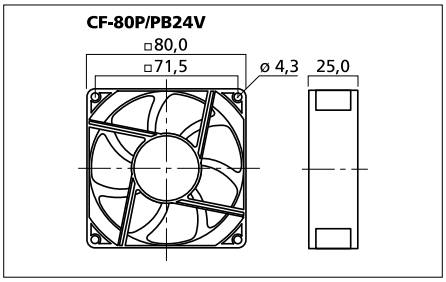
Axial fan
- Patented Vapo bearing with MagLev® motor
- Black plastic housing





CF-80P/PB24V
Order No. 03.2360

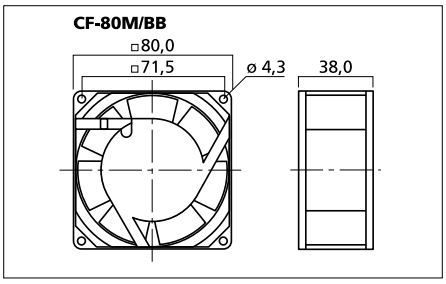
Axial fan
- Sleeve bearing
- Black plastic housing





CF-80M/BB
Order No. 03.2340

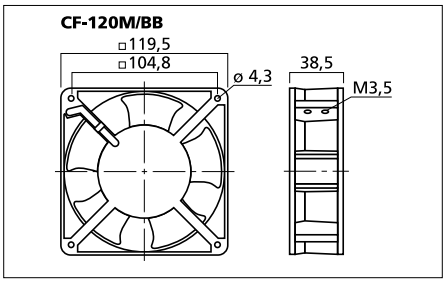
Axial fan
- Ball bearing
- Black aluminium housing





CF-120M/BB
Order No. 03.2330

Axial fan
- Ball bearing
- Black aluminium housing





Model	CF-80P/VB12V	CF-80P/PB24V	CF-80M/BB	CF-120M/BB
Air flow rate	56 m³/h	56 m³/h	43 m³/h	190 m³/h
Power supply	⎓ 12 V/90 mA/1.1 W	⎓ 24 V/56 mA/1.3 W	~ 230 V/50 Hz/14 W	~ 230 V/50 Hz/22 W
Starting voltage	⎓ 4.5 V	⎓ 10 V	~ 185 V	~ 185 V
Max. noise level	28 dB	28 dB	32 dB	45 dB
Admiss. ambient temp.	-10-+70 °C	-10-+70 °C	-10-+70 °C	-10-+70 °C
Dimensions	80 x 80 x 25 mm	80 x 80 x 25 mm	80 x 80 x 38 mm	120 x 120 x 38 mm
Weight	77 g	75 g	340 g	550 g

482 mm (19“) Rack Cabinets

- Steel housing
- Mat black textured coating
- Ventilation slots on the upper side



Model	Order No.	Rack spaces, RS	Inside dimensions	Outside dimensions	Weight
RCG-21/SW	33.3770	1	432 x 42.5 x 218 mm	482 x 44.5 x 224 mm	3 kg
RCG-22/SW	33.3780	2	432 x 83 x 218 mm	482 x 88 x 224 mm	3.5 kg

482 mm (19“) Profile Rack Cabinets

- Plastic-coated 1.2 mm sheet steel housing
- Rear panel: 1.5 mm
- 3 mm standard aluminium front panel
- Inside profile rails, e.g. for PCBs
- Cabinets with 2 RS are supplied with silver anodised handles



Model	Order No.	Rack spaces, RS	Outside dimensions	Weight
RC-121/SW	33.2090	1	483 x 44 x 238 mm	2.93 kg
RC-132/SW	33.2150	2	483 x 88 x 304 mm	4.24 kg

Series of Utility Cases

- Made of extruded profile with insertion grooves for printed circuits in different heights (12/17/22 mm distance to the front panel)
- Exchangeable front panel with protective foil of 1.5 mm aluminium plate
- Mat black ABS plastic side covers
- Material surface is anodised and mat etched or black (SW)
- Total height: 36.5 mm



Model	Order No.	Dimensions	PCB dimensions	Weight
AH-61	33.0080	65 x 36.5 x 107 mm	62 x 100 mm	126 g
AH-61/SW	33.3010	65 x 36.5 x 107 mm	62 x 100 mm	128 g
AH-62	33.0090	65 x 36.5 x 167 mm	62 x 160 mm	189 g
AH-62/SW	33.3020	65 x 36.5 x 167 mm	62 x 160 mm	205 g
AH-63	33.0100	65 x 36.5 x 207 mm	62 x 200 mm	231 g
AH-63/SW	33.3030	65 x 36.5 x 207 mm	62 x 200 mm	235 g
AH-101	33.0050	103 x 36.5 x 107 mm	100 x 100 mm	162 g
AH-101/SW	33.3040	103 x 36.5 x 107 mm	100 x 100 mm	159 g
AH-102	33.0060	103 x 36.5 x 167 mm	100 x 160 mm	242 g
AH-102/SW	33.3050	103 x 36.5 x 167 mm	100 x 160 mm	248 g
AH-103	33.0070	103 x 36.5 x 207 mm	100 x 200 mm	308 g
AH-103/SW	33.3060	103 x 36.5 x 207 mm	100 x 200 mm	296 g

Series of ABS Plastic Cases

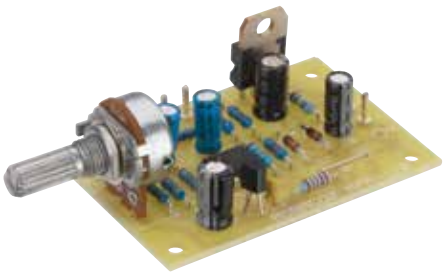
- PUG-3: without PCB slots and threaded bushings
- PUG-5 to PUG-8: with PCB slots and threaded bushings



Model	Order No.	Dimensions	Weight
PUG-3	33.0840	75 x 25 x 56 mm	30 g
PUG-5	33.0860	79 x 40 x 61 mm	54 g
PUG-6	33.0870	100 x 41 x 76 mm	70 g
PUG-7	33.0880	118 x 45 x 98 mm	101 g
PUG-8	33.0890	151 x 60 x 100 mm	150 g

MPA-1

Order No. 32.0550



Low-noise microphone preamplifier module

- Adjustable gain
- Operating voltage: ⎓ 12-40 V
- Frequency range: 20-15,000 Hz, -0.5 dB, 15-20,000 Hz, -3 dB
- Input sensitivity: 2 mV
- Input impedance: 200 Ω-10 kΩ
- Output voltage: max. 7 V/1 kΩ
- Gain: 52 dB
- THD: < 0.05%
- Noise voltage: 0.5 µV
- Dimensions w/o shaft: 40 x 25 x 60 mm
- Weight: 30 g

IPA-25D

Order No. 03.0790



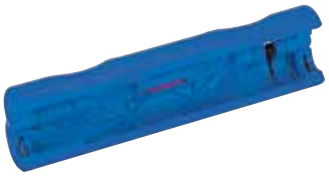
Digital hi-fi power amplifier module, mono version.

- Operating voltage: 12-24 V
- Class D concept
- Very high efficiency (> 90%)
- Compact design due to concept without heat sink
- Short-circuit proof
- Thermal overload protection
- Shutdown input for a very low standby current (< 0.25 mA)

Model	IPA-25D
Power rating	30 W
Power rating at 4 Ω	25 W at 24 V 15 W at 12 V
Power rating at 8 Ω	30 W at 24 V 8 W at 12 V
Peak music power output (P_{MAX})	45 W
Inputs	140 mV/12 kΩ
Frequency range	10-20,000 Hz
S/N ratio	> 100 dBA
THD	< 0.2%
Power supply	⎓ 12-24 V/2.5 A
Standby current	14 mA
Admiss. ambient temp.	0-40 °C
Dimensions	65 x 13 x 40 mm
Weight	25 g
Connections	screw terminals

CST-2

Order No. 31.1500



Stripping tool for coaxial cables

- For coaxial cables: Ø 4.8-7.5 mm
- Also suitable for flexible cables, e.g. 3 x 0.75 mm², 10 mm² and 16 mm²

CT-10

Order No. 31.1680



Multi-purpose crimping tool

- For connections: F-standard, BNC, TNC, N, optical connectors and network connections
- 6 different crimping sizes

CST-5

Order No. 31.1520



Stripping tool, self-adjusting,

- Particular large working range: 0.2-6.0 mm²
- Stripping length: 8-12 mm
- Glass fibre reinforced polyamide
- Stripping tool and side cutter (up to: Ø 2 mm) made of hardened special steel

CT-30

Order No. 31.1700



Multi-purpose crimping tool, e.g. for insulated cable lugs.

- For cables: 0.5-1.0 mm², 1.5-2.5 mm² and 4.0-6.0 mm²

KN-7803-125

KNIPEX

Order No. 31.2010



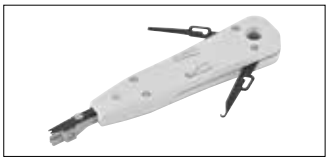
PCB pliers

- Precision shaped tips also cut close sitting wires from Ø 0.2 mm on
- With opening spring and restricted opening
- Stainless INOX steel

CAT-1TOOL

Order No. 31.0060





Network punch down tool, for professional wiring of e.g. patch panels and network sockets.

- For LSA connection technology (without soldering, screwing and stripping)
- Metal insertion blade
- Draw-hook and blade release, folding
- Belt clip

SIC-540
Order No. 31.1780

Soldering station, 48 W
- Electronic temperature control: 150-450 °C
- Digital temperature display (LCD) for actual value/ desired value
- Plastic housing
- Separate housing for holding soldering iron (can be docked) with drawer for cleaning sponge
- Replacement soldering iron: SIA-540
- Replacement soldering tips: SIT-54...
- Power supply: ~ 230 V/50 Hz/90 VA
- Dimensions: 185 x 150 x 100 mm
- Weight: 1.6 kg



SIC-530ROHS
Order No. 31.1640

Soldering station, 48 W, especially suitable for lead-free soldering according to EU directive (RoHS).
- Electronic temperature control: 160-480 °C
- Digital temperature display with selector switch for actual value/desired value
- Plastic housing
- Replacement soldering iron: SIA-548ROHS
- Matching replacement soldering tips: SIT-501ROHS, SIT-503ROHS, SIT-504ROHS, SIT-505ROHS
- Power supply: ~ 230 V/50 Hz/55 VA
- Dimensions: 120 x 95 x 180 mm
- Weight: 1.9 kg



SIC-520ROHS
Order No. 31.0540

Soldering station, 48 W, especially suitable for lead-free soldering according to EU directive (RoHS).
- Electronic temperature control: 150-420 °C
- LED bar graph display for temperature
- Plastic housing
- Replacement soldering iron: SIA-548ROHS
- Matching replacement soldering tips: SIT-501ROHS, SIT-503ROHS, SIT-504ROHS, SIT-505ROHS
- Power supply: ~ 230 V/50 Hz/54 VA
- Dimensions: 120 x 95 x 180 mm
- Weight: 1.9 kg



SIA-548ROHS
Order No. 31.1370

Replacement soldering iron, 48 W, especially suitable for lead-free soldering according to EU directive (RoHS).
- Suitable for soldering stations SIC-520ROHS and SIC-530ROHS
- Fitted with 5-pole DIN plug
- Matching replacement soldering tips: SIT-501ROHS, SIT-503ROHS, SIT-504ROHS, SIT-505ROHS



SIA-540
Order No. 31.1790

Replacement soldering iron, 48 W, for soldering station SIC-540, fitted with 4-pole plug.

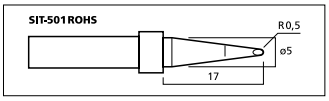


Full specifications can be found on our website www.monacor-international.de.

SIT-501ROHS
Order No. 31.1900



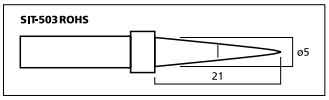
High-quality soldering tip, especially for lead-free soldering according to EU directive (RoHS), matching soldering stations SIC-520ROHS and SIC-530ROHS as well as the corresponding soldering iron SIA-548ROHS.



SIT-503ROHS
Order No. 31.1910



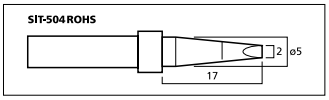
High-quality soldering tip, especially for lead-free soldering according to EU directive (RoHS), matching soldering stations SIC-520ROHS and SIC-530ROHS as well as the corresponding soldering iron SIA-548ROHS.



SIT-504ROHS
Order No. 31.1920



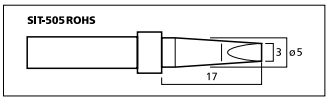
High-quality soldering tip, especially for lead-free soldering according to EU directive (RoHS), matching soldering stations SIC-520ROHS and SIC-530ROHS as well as the corresponding soldering iron SIA-548ROHS.



SIT-505ROHS
Order No. 31.1930



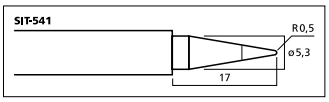
High-quality soldering tip, especially for lead-free soldering according to EU directive (RoHS), matching soldering stations SIC-520ROHS and SIC-530ROHS as well as the corresponding soldering iron SIA-548ROHS.



SIT-541
Order No. 31.1800



High-quality soldering tip, matching soldering station SIC-540 as well as the corresponding soldering iron SIA-540.



DSP-30SP
Order No. 31.0030



Replacement tip, with high-quality PTFE insulation, for desoldering pump DSP-30.

PCH-5
Order No. 31.1850



Helping hand
- Adjustable, ball joints
- Universal double clip holder
- Magnifying glass: Ø 90 mm
- Gripping width: 115 mm max.
- Diecast base with storage facility for small parts

TS-6N
Order No. 31.0850



Screwdriver set, in a plastic case, 6 pieces, widths: 1/1.4/2/2.4/3/3.5 mm.

SIH-40
Order No. 31.1860



Soldering iron stand
- Lightweight standard version
- Suitable for standard soldering irons up to: Ø 20 mm
- Metal base with cleaning sponge

MSW-252
Order No. 03.4720

250g



Lead-free electronic soldering wires, Ø 1 mm. Corresponds to EU directive (RoHS). Tin content: 99.3%, copper content: 0.7%. Colophonium-based flux.

MSR-20
Order No. 03.3790



Desoldering litz wire set, 5 reels with a length of 1.5 m each. Width of litz wire: 2 mm.

DSP-30
Order No. 31.0020



Desoldering pump, for desoldering components from electronic circuits.
- Small aluminium version
- High suction
- Replaceable tip
- With high-quality PTFE insulation (DSP-30SP)
- Length: 195 mm

KK60-100
Order No. 03.1810
100 ml

KK60-200
Order No. 03.1820
200 ml

Kontakt 60
Contact cleaners, removes layers of corrosion and dirt from contact materials and thus eliminates contact resistances and voltage losses at plugs, switches, tuners, etc.



KKLR-200
Order No. 03.1950
200 ml

Kontakt LR
Cleaner for PCBs, with brush spray head.
For removing flux residues after soldering work and for general cleaning of electronic components.



KKP60-200
Order No. 03.0730
200 ml

Kontakt 60 Plus
Contact cleaner plus protection, with a combination of active agents for removing dirt and oxide layers and a high-quality lubricating and protective oil. The cleaner KKP60-200 cleans, lubricates and protects and is suitable for maintenance and repair of plugs, switches, controls, terminals, buttons, etc., particularly those which are exposed to weather or corrosive surroundings. NSF registration for applications in the food industry.



KS50-200
Order No. 03.2240
200 ml

Solvent 50
Label remover, for paper labels, natural-based.
The solvent agent penetrates the label and dissolves the adhesive underneath.
Effective after 2-4 minutes.
It should not be used on solvent-sensitive plastic materials.



KS99-400
Order No. 03.2220
400 ml

Screen 99
Active foam, for cleaning glass surfaces and plastic surfaces.
For an effective dirt removal on screens, copiers, housings, etc.



KKWL-200
Order No. 03.1880
200 ml

Kontakt WL
Spray wash, for washing and degreasing electronic units. Can be used for the complete range of electronic applications. The quick-acting cleaner removes greasy, oily or sticky substances without residues.



KT600-200
Order No. 03.1910
200 ml

Tuner 600
Precision cleaner, for contacts. Cleans light dirt accumulation in potentiometers, sliding controls, etc. and eliminates contact faults.
Due to high material compatibility, suitable for sensitive components.



KSTFT-200
Order No. 03.4700
200 ml

Screen TFT
Foam cleaner, for TFT monitors and LCD monitors.
The stable active foam is solvent-free, thus suitable for TFT displays and LCDs, laptops, GPS devices, mobile phones, PDAs, touch screens, CDs, scanners, photocopiers and cameras.



KDS67-200
Order No. 03.3120
200 ml

KDS67-400
Order No. 03.3130
400 ml

Druckluft 67 Super
Compressed gas, non-inflammable and oil-free. For non-contact cleaning with high pressure.



KKS75-400
Order No. 03.3110
400 ml

Kälte 75 Super
Coolant spray, non-inflammable, for thermal fault finding in electronic applications, for cold shrinking small parts, for quick-freezing rubber or plastic material and for testing the functionality of thermostats and temperature sensors. Powerful cooling effect down to -55 °C.



KK61-200

Order No. 03.1850

200 ml

Kontakt 61

Lubricant and corrosion inhibitor, for electric contacts. Removes resin, dirt, oil, abraded metal, etc. The contact oil protects and lubricates sliding contacts and plug-in contacts and at the same time reduces the abrasion of the contact material when plugging-in.



WSK-500

Order No. 03.4800

Spray adhesive, strong, for general use.

- Glues together paper, carton, cardboard, wood, thin veneer, cork, leather, fabrics, felt, foam, rubber, foam rubber, plastic
- Spreading capacity: approx. 4 m^2, depending on the temperature and type and condition of the materials to be glued together
- Temperature-resistant -20 °C to +65 °C
- Contents: 500 ml



KP70-400

Order No. 03.1930

400 ml

Plastik 70

Protective lacquer, for PCBs and electronic components, protects PCBs from moisture and normal environmental influences.
The dielectric strength is approx. 110 kV/mm.
Note: During repairs, the lacquer can be soldered through.



VA-100

Order No. 31.1460

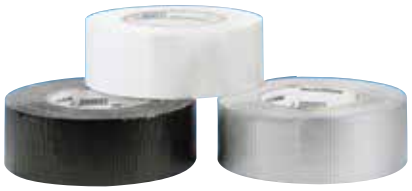
Superglue, 12 g, medium viscosity, cyanoacrylate adhesive, particularly suitable for glueing metals, plastic, rubber and ceramics to themselves and to each other.



Gaffa Tapes

Width: 50 mm, length: 50 m.
AT-132/...: standard version
AT-202/...: especially tear-resistant, can be removed without any residues from most surfaces

Model	Order No.	Colour
AT-132/SI	11.8606	silver
AT-132/SW	11.8607	black
AT-132/WS	11.8608	white
AT-202/SI	11.0820	silver
AT-202/SW	11.0830	black
AT-202/WS	11.0840	white



Fluorescent Gaffa Tapes

- Length: 25 m
- High signalling effect
- Glows under UV light/black light
- High adhesive strength
- High resistance to abrasion
- Can be removed without any residues
- Writable

Model	Order No.	Colour	Width
GB-19/NGE	11.2380	neon yellow	19 mm
GB-19/NGN	11.2390	neon green	19 mm
GB-19/NOR	11.2400	neon orange	19 mm
GB-19/NPK	11.2410	neon pink	19 mm
GB-50/NGE	11.2420	neon yellow	50 mm
GB-50/NGN	11.2430	neon green	50 mm
GB-50/NOR	11.2440	neon orange	50 mm
GB-50/NPK	11.2450	neon pink	50 mm



AT-206

Order No. 11.0850

10 x

Soft PVC electrical insulation tape set, high quality. For bundling, insulating and marking.

- Coated on one side with non-corroding, pressure-sensitive rubber adhesive
- Good electrical and mechanical qualities



- Flame-retardant, self-extinguishing
- Water-resistant, weather-resistant and UV-resistant
- Tested acc. to EN 60454
- 10 different-coloured rolls, 15 mm x 10 m

AT-201

Order No. 11.0810

Lasso tape, can be labelled, 50 m

- Ideally suited for marking at rehearsals, for fixing and securing cables and for closing protective covers of equipment stored outdoors
- Waterproof
- Wide temperature range
- Great shape adaptability



- Non-corroding adhesive
- Excellent resistance to rubbing off and piercing when labelling
- Easy to tear off and unroll
- Width of roll: 25 mm

AT-7Z

Order No. 11.9914

PVC insulation tape (Zumbel Tape),

- Width: 12 mm, 33 m roll, black
- Flexible and great shape adaptibility
- Water-resistant, UV-resistant
- Flame-retardant, self-extinguishing



- Good resistance to rubbing off
- Easy to tear off and unroll

AT-8/GESW

Order No. 12.6600

PVC marking tape

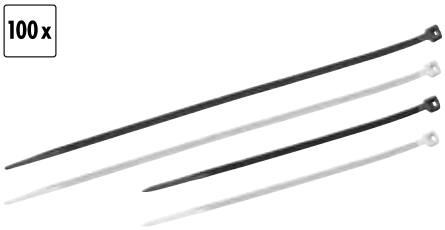
- Self-adhesive
- Width: 50 mm, length: 33 m
- Colour: yellow/black



Cable Ties

Nylon, different versions.

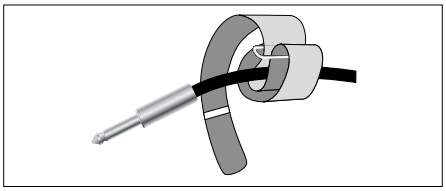
100 x



Model	Order No.	Colour	Length	Width	Sales unit
CT-100	03.1710	white	100 mm	2.5 mm	100
CT-100/SW	03.1020	black	100 mm	2.5 mm	100
CT-200	03.1750	white	200 mm	3.2 mm	100
CT-200/SW	03.1030	black	200 mm	3.6 mm	100

Hook and Loop Tapes

For universal fastening of cables.
CS-20/... hook and loop tape on one side.
CS-20K/... hook and loop tape on opposite sides, therefore can remain on the cable.



NEW



Model	Order No.	Colour	Length	Width	Tensile strength
CS-20/BL	24.6930	blue	30 cm	2 cm	300 N
CS-20/RT	24.6950	red	30 cm	2 cm	300 N
CS-20/SW	24.6960	black	30 cm	2 cm	300 N
CS-20K/BL	25.9170	blue	30 cm	2 cm	300 N
CS-20K/RT	25.9180	red	30 cm	2 cm	300 N
CS-20K/SW	25.9190	black	30 cm	2 cm	300 N

Hook and Loop Tapes

For universal fastening of cables.

10 x



Model	Order No.	Colour	Length	Width	Tensile strength	Sales unit
CS-120/SW	25.2040	black/blue	20 cm	2.5 cm	300 N	10
CS-130/SW	25.2050	black/blue	30 cm	2.5 cm	300 N	10

Hook and Loop Tapes

For universal fastening of cables.

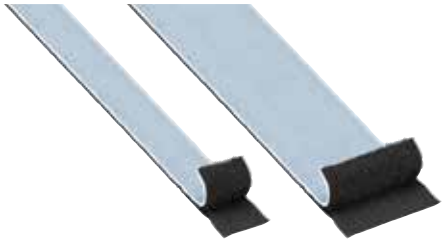
50 x



Model	Order No.	Colour	Length	Width	Sales unit
CS-150SET	25.7740	black	15 cm	2 cm	50
CS-200SET	25.7750	black	20 cm	2 cm	50

Self-adhesive Hook and Loop Tapes

Black version, for universal fastening of items. Also to be used for securing items during transport.



Model	Order No.	Colour	Length	Width
CS-250/SW	24.7180	black	50 cm	2 cm
CS-550/SW	24.7240	black	50 cm	5 cm
CS-2100/SW	24.7170	black	100 cm	2 cm
CS-5100/SW	24.7230	black	100 cm	5 cm

CS-10/SW

Order No. 25.1720



Hook and loop tape

- Top and bottom sides of the tape with 'back-to-back' hook and loop system (the top side of the tape is attached to the bottom side of it)
- High shear stability
- Can easily be removed again
- Width: 16 mm, 10 m roll

CS-3DUO

Order No. 25.7180



Duotec® hook and loop tape

- High bonding strength (approx. 35 N/cm²)
- Mushroom-shaped stems (interlock with one another)
- Self-adhesive
- Width: 25 mm, 3 m roll

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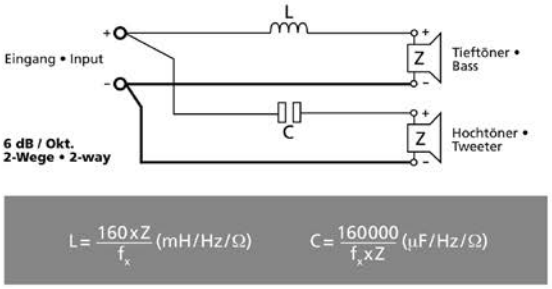
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Glossary Speaker Technology

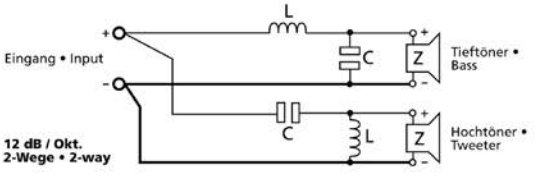
TERM	SYMBOL	UNIT	DEFINITION
Compliance equivalent volume	Vas	l	Comparison air quantity resulting from the compliance (Cms) and the effective cone area (Sd) of a speaker which is required to determine the characteristics in certain air quantities. Result of the TSP measurement (Thiele Small Parameters).
Moving mass	Mms	g	The total mass of the vibrating part of the speaker and the attached air quantity. Result of the TSP measurement.
Effective cone area	Sd	cm^3	Effective area of the vibrating part, usually measured on an even level from surround centre to surround centre.
Electrical Q factor	Qes		Electromagnetically founded damping of a speaker (Q factors).
Rec. crossover frequency	fmax	Hz	Recommended max. crossover frequency, weighted qualitatively.
f3 (lower limit frequency)	f3	Hz	Maximum frequency range. The lower limit frequency of the transmission range with a level decline of 3 dB. This frequency is determined by the reciprocal influence of the characteristics of bass speaker and speaker cabinet used and can reasonably only be indicated as a variable.
Diagram of frequency response		y: dB x: Hz	The sound pressure curve of the speaker, measured in a standard sound wall of 100x140 cm, flush fitted, laying, in 1 m distance from the surround, with an applied power of 1 W, weighted according to the standard impedance (impedance, medium sound pressure). The measurement is made in an anechoic room with a lower limit frequency of approx. 200 Hz.
fx (lower crossover frequency)	fx	Hz	The lower crossover frequency with midrange speakers and tweeters to be selected by the user. The indicated capabilities of the speaker in wired condition are only reached if fx is not below fmax (12 dB/oct.) (recommended crossover frequency). If fx is selected considerably above this fmax, the speaker capability may increase!
Total Q factor	Qts		Especially important resulting value: Qts = Qms x Qes / (Qms + Qes) (electrical Q factor, mechanical Q factor)
DC resistance	Re		Ohmic resistance of the voice coil. Measurement with ohmmeter.
Q factors	Qindex		Measurement units of the damping effects of vibrating systems. Damping factors, also called 'Q-facors', are entered as calculation values without units into corresponding calculations of the vibration behaviour and the radiation of a speaker resulting from it. Results of the TSP measurement.
Impedance	Z		Rated resistance: standard division in 4 Ω and 8 Ω. The value of the rated impedance must not be more than 20 % below the indicated transmission range but it may be exceeded as desired.
Force factor	BL	Tm	Also called 'converter constant'. Product of flux density of the magnetic field in the air gap and the wire length of the voice coil located in this field. Relevant for the calculation of No (reference efficiency). Result of the TSP measurement.
Linear excursion	X_{MAX}	± mm	Maximum aplitude of the virating part of the cone under constant drive force (force fctor) in one direction each. This is calculated using this simple method: (Voice coil winding height - air gap height) / 2 For the rare type of voice coils with the winding height lower than the air gap height: (Ait gap height - voice coil winding height) / 2 X_{MAX} which may deviate from this calculation method are the result from measurements taken with audio analysing systems (e.g. Klippel).
Maximum power capability	P_{MAX}	W	Short-term acceptable electrical capability of the speaker system in which the corresponding speaker is correctly inserted together with others. Emperically determined.
Max.frequency range		Hz	Application-oriented statement on the transmission bandwidth to be obtained with relatively good transmission characteristics.
Mechanical Q factor	Qms		Damping of a speaker based on friction loss (Q factors)
Mechanical resistance	Rms	kg/s	Kinetic resistance of the cone suspension. Result of the TSP measurement.
Medium sound pressure	SPL	dB/ W/m	Sound pressure in the medium application range with an applied power of 1 W measured in 1 m. (4 Ω speaker with an applied voltage of 2 V, 8 Ω speaker with an applied voltage of 2 V, 8 Ω speaker with 2.83 V)
Suspension compliance	Cms	mm/N	Also 'compliance'. Softness of cone suspension. Result of the TSP measurement.
Power rating	P_{RMS}	W	Electrical and mechanical continuous rating of the speaker system in which the corresponding speaker is correctly inserted together with others. Empirically determined.
Reference efficiency	No	%	The amount of the supplied energy radiated as sound from the speaker in the undistorted frequency band above the fundamental resonance frequency. Not identifcal with SPL, as it is not influenced by resonance and beaming effects! Result of the TSP measurement, calculated on half-space conditions.
Resonant frequency	fs	Hz	Frequency of free air resonance with speaker not mounted. Determined by the maximum value of the AC current resistance in the lower transmission range.
Voice coil inductance	Le	mH	Inductance of the voice coil centred in the air gap. Measurement with inductance meter at 1 kHz.
Thiele Small Parameters	TSP		Data record to determine teh characteristics of speakers in cabinets. Named after the authors of the comprehensive essays. After the speaker has been played for a while and then cooled off, it is measured in standing position vertically to the moving axis.
Volume displacement	Vd	cm^3	The air quantity displaced by the cone during the maximum linear excursion. Calculated: X_{MAX} (in cm) x Sd (effective cone area).

Crossover Network Calculation

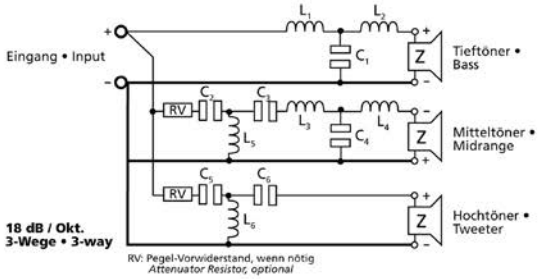
Calculations of speaker crossover networks in connection with the MONACOR inductances of the LSIF-... as well as LSIP-... series and the capacities of the LSC series. For slopes of 6, 12 or 18 dB/oct.



$$L = \frac{160 \times Z}{f_x}\ (mH/Hz/\Omega) \qquad C = \frac{160000}{f_x \times Z}\ (\mu F/Hz/\Omega)$$



$$L = \frac{225 \times Z}{f_x}\ (mH/Hz/\Omega) \qquad C = \frac{112500}{f_x \times Z}\ (\mu F/Hz/\Omega)$$



$$L_1/L_3 = \frac{240 \times Z}{f_x}\ (mH/Hz/\Omega) \qquad C_1/C_4 = \frac{212000}{f_x \times Z}\ (\mu F/Hz/\Omega)$$

$$L_2/L_4 = \frac{80 \times Z}{f_x}\ (mH/Hz/\Omega) \qquad C_2/C_5 = \frac{106000}{f_x \times Z}\ (\mu F/Hz/\Omega)$$

$$L_5/L_6 = \frac{120 \times Z}{f_x}\ (mH/Hz/\Omega) \qquad C_3/C_6 = \frac{318000}{f_x \times Z}\ (\mu F/Hz/\Omega)$$

f_x – Trennfrequenz in Hz • Crossover Frequency (Hz)
Z – Lautsprecherimpedanz in Ω • Speaker Impedance (Ω)

CAAD-4.2

Order No. 37.0920



CAAD-4.2, 32-bit version for Windows* (version 98 or higher), with all the advantages from Windows:

- User screen with menu-controlled MDI (multi-window method)
- Any desired distance measurements with mouse cursor in the cabinet graphics
- Simultaneous display possible of up to 6 curves (for comparison)
- Online selection of 7 languages
- Database update at the push of a button

Cabinet calculation

- Closed, bass-reflex, band-pass, compound, transmission line and horn, also while using several speakers
- Search function for suitable speakers for an existing cabinet (replacement speakers!)
- Automatic creation of parts lists for construction of a calculated speaker cabinet

Crossover network calculation 1st to 4th order (6-24 dB)

Speaker database

Extendable as desired and easy download of the latest speakers

Additionally with CAAD-3.0 for Windows* 3.0-3.11

System requirements

IBM-compatible PC (Pentium or higher), VGA, 16 MB RAM, 10 MB free hard disk space, CD-ROM, Windows* 9x/ME/2000/NT/XP/VISTA/7, MS Service Pack 3 is required for Windows NT4



Build Your Own Speaker!

Building your own speaker is still the ultimate test for hi-fi enthusiasts. High-quality components from MONACOR INTERNATIONAL are the basis to ensure a great personal listening experience.

For decades, whole generations have implemented our speaker building concepts or realised their own projects with speakers from MONACOR or IMG STAGELINE. This resulted in highly efficient concepts for hi-fi speakers or PA speaker systems which provide a perfect sound and are suitable for private applications as well as for professional use.

Top results from product tests carried out by the trade press emphasise our policy and ensure that our components will no doubt provide perfect results.

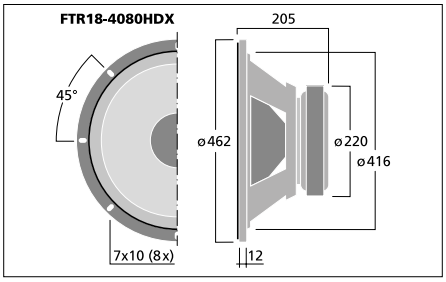
MONACOR® INTERNATIONAL

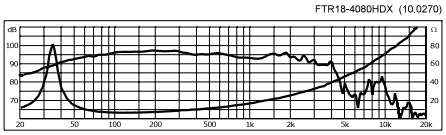
FTR18-4080HDX

Order No. 10.0270

High-power professional PA subwoofer, 1,000 W, 8 Ω

- Top-class subwoofer, 46 cm (18"), with a very high power capability and ferrite magnet
- Deformation-resistant, glass fibre reinforced paper cone
- 100 mm (4") heat-resistant voice coil, wound on the inside and outside, double centering
- Especially developed thermal management of the drive system for preventing thermal compression and overheating
- Recommended operating range: up to 300 Hz





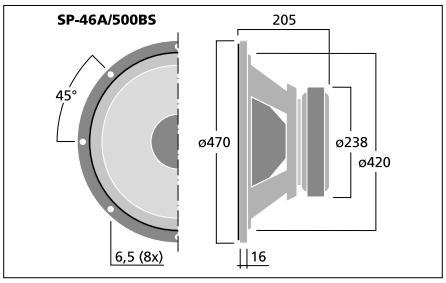


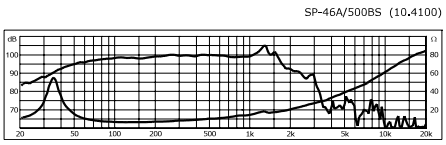
SP-46A/500BS

Order No. 10.4100

Professional PA subwoofer, 500 W, 8 Ω

- Double centering and parameters for an ultimatively deep bass reproduction, even in moderate cabinets
- Outstandingly high efficiency
- Long excursion
- Extra high power capability
- Subwoofer for a really deep sound
- For any professional application, from discotheque to stage





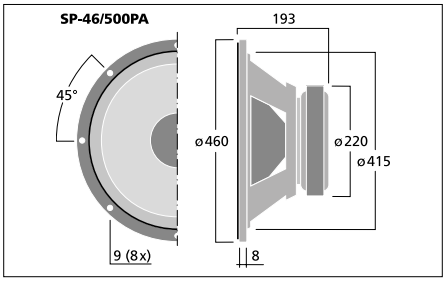


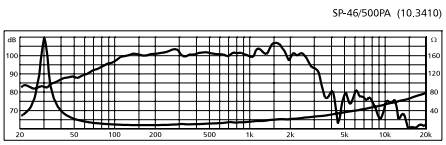
SP-46/500PA

Order No. 10.3410

PA bass speaker, 500 W, 8 Ω

- Great linear excursion
- For bass and subwoofer applications in very compact bass-reflex cabinets







Model	FTR18-4080HDX	SP-46A/500BS	SP-46/500PA
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	f3-2,500 Hz	f3-1,800 Hz	f3-2,500 Hz
Resonant frequency (fs)	35 Hz	36 Hz	30 Hz
Power rating	1,000 W	500 W	500 W
Peak music power output	2,000 W	2,000 W	1,000 W
Sensitivity	95 dB/W/m	98 dB/W/m	101 dB/W/m
Suspension compl. (Cms)	0.10 mm/N	0.13 mm/N	0.17 mm/N
Moving mass (Mms)	199 g	141 g	160 g
Mech. Q factor (Qms)	5.74	4.75	8.08
Electr. Q factor (Qes)	0.46	0.54	0.28
Total Q factor (Qts)	0.42	0.48	0.27
Equivalent volume (Vas)	185 l	250 ml	333 l
DC resistance (Re)	5.1 Ω	6 Ω	5.7 Ω
Force factor (BxL)	22.7 Tm	17.49 Tm	25 Tm
Voice coil induct. (Le)	1.81 mH	1.65 mH	1.45 mH
Voice coil diameter	Ø 100 mm	Ø 100 mm	Ø 100 mm
Voice coil former	glass fibre	Kapton	Kapton
Linear excursion (X_{MAX})	± 8 mm	± 6 mm	± 5 mm
Eff. cone area (Sd)	1,164 cm^2	1,163 cm^2	1,180 cm^2
Magnet weight	3.1 kg	2.6 kg	2.8 kg
Weight	10.58 kg	11.34 kg	10.28 kg

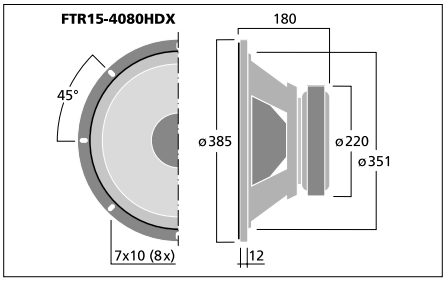
Full specifications can be found on our website www.monacor-international.de.

FTR15-4080HDX

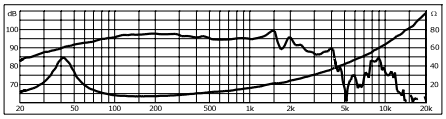
Order No. 10.0160

High-power professional PA subwoofer, 1,000 W, 8 Ω

- Top-class subwoofer, 38 cm (15"), with a very high power capability and ferrite magnet
- Deformation-resistant, glass fibre reinforced paper cone
- 100 mm (4") heat-resistant voice coil, wound on the inside and outside, double centering
- Especially developed heat management of the drive system for preventing thermal compression and overheating
- Recommended operating range: up to 350 Hz



FTR15-4080HDX (10.0160)



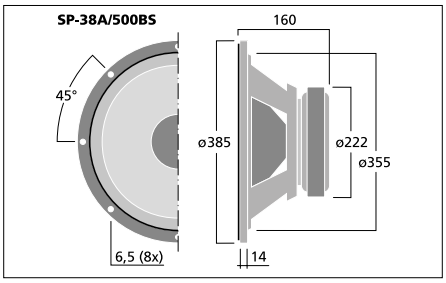


SP-38A/500BS

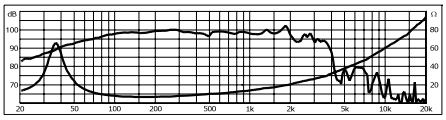
Order No. 10.4090

Professional PA subwoofer, 500 W, 8 Ω

- Double centering
- High efficiency despite extra low possible limit frequency
- Long excursion
- Extra high power capability
- For any professional application, from discotheque to stage as well as mobile operation, as the required volume is still quite small



SP-38A/500BS (10.4090)





Model	FTR15-4080HDX	SP-38A/500BS
Impedance (Z)	8 Ω	8 Ω
Frequency range	f3-2,500 Hz	f3-3500
Resonant frequency (fs)	40 Hz	37 Hz
Power rating	1,000 W	500 W
Peak music power output	2,000 W	1,500 W
Sensitivity	96 dB/W/m	97 dB/W/m
Suspension compl. (Cms)	0.10 mm/N	0.16 mm/N
Moving mass (Mms)	153 g	107 g
Mech. Q factor (Qms)	3.98	4.37
Electr. Q factor (Qes)	0.36	0.38
Total Q factor (Qts)	0.33	0.35
Equivalent volume (Vas)	105 l	168 l
DC resistance (Re)	5.1 Ω	6 Ω
Force factor (BxL)	23.53 Tm	18.25 Tm
Voice coil induct. (Le)	1.8 mH	1.6 mH
Voice coil diameter	Ø 100 mm	Ø 100 mm
Voice coil former	glass fibre	Kapton
Linear excursion (X_{MAX})	± 8 mm	± 6 mm
Eff. cone area (Sd)	855 cm^2	855 cm^2
Magnet weight	3.1 kg	2.6 kg
Weight	10.26 kg	10.38 kg

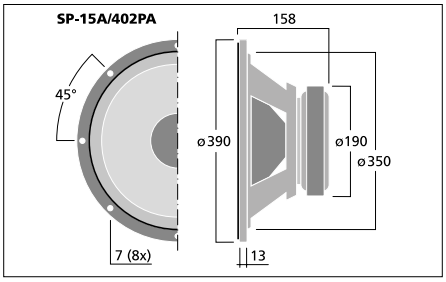
SP-15A/402PA

Order No. 10.4940

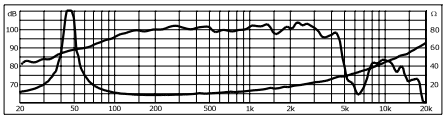
15 | 800 W MAX

Professional PA bass speaker, 400 W, 8 Ω

- Of very high power capability
- 38 cm (15") professional bass speaker of long excursion
- Diecast basket
- Cone with water-repellent coating
- Very neat workmanship with front-facing basket
- Wide frequency response
- High efficiency
- Excellent deep bass reproduction



SP-15A/402PA (10.4940)





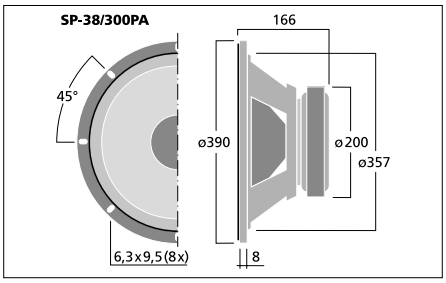
SP-38/300PA

Order No. 10.3380

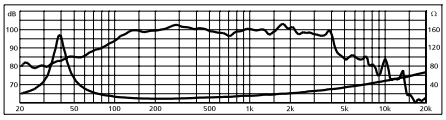
15 | 600 W MAX

PA bass speaker, 300 W, 8 Ω

- Exceptionally high efficiency
- Optimum balance
- For bass and bass-midrange applications in very compact bass-reflex cabinets
- For all PA applications



SP-38/300PA (10.3380)





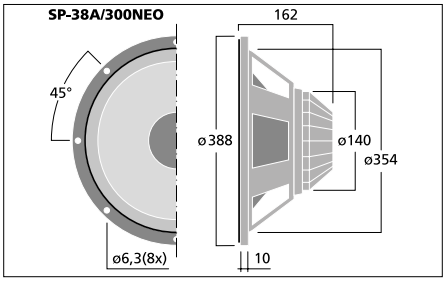
SP-38/300NEO

Order No. 10.5110

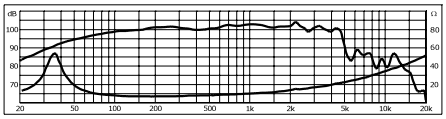
15 | 600 W MAX

PA bass speaker, 300 W, 8 Ω

- High-performance NEODYMIUM drive with copper-plated aluminium voice coil (CCAW)
- 38 cm (15")
- Excellent efficiency
- Very good frequency response linearity
- Very deep bass reproduction already with medium-sized cabinets
- Optimum performance together with high-quality tweeters allow for speaker systems capable of high volumes, even at the smallest possible weight



SP-38/300NEO (10.5110)





Model	SP-15A/402PA	SP-38/300PA	SP-38/300NEO
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	f3-3,000 Hz	f3-4000	f3-4,000 Hz
Resonant frequency (fs)	36 Hz	48 Hz	36 Hz
Power rating	400 W	300 W	300 W
Peak music power output	800 W	600 W	600 W
Sensitivity	100 dB/W/m	99 dB/W/m	101 dB/W/m
Suspension compl. (Cms)	0.22 mm/N	0.21 mm/N	0.28 mm/N
Moving mass (Mms)	87 g	78 g	71 g
Mech. Q factor (Qms)	7.45	5.68	4.13
Electr. Q factor (Qes)	0.33	0.24	0.48
Total Q factor (Qts)	0.31	0.23	0.43
Equivalent volume (Vas)	235 l	213 l	265 l
DC resistance (Re)	6.5 Ω	5.9 Ω	5.4 Ω
Force factor (BxL)	19.9 Tm	22 Tm	13.5 Tm
Voice coil induct. (Le)	0.9 mH	1.2 mH	0.75 mH
Voice coil diameter	Ø 100 mm	Ø 76 mm	63 mm
Voice coil former	Kapton	Kapton	glass fibre
Linear excursion (X_{MAX})	± 5 mm	± 4 mm	± 3.5 mm
Eff. cone area (Sd)	881 cm^2	855 cm^2	880 cm^2
Magnet weight	2.3 kg	2.6 kg	110 g
Weight	7.74 kg	8.04 kg	2.5 kg

Full specifications can be found on our website www.monacor-international.de.

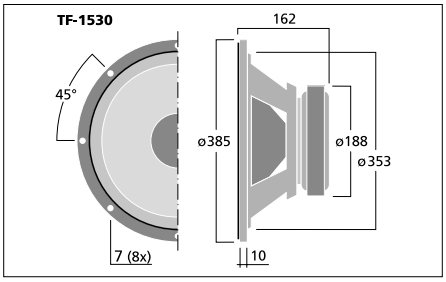
TF-1530

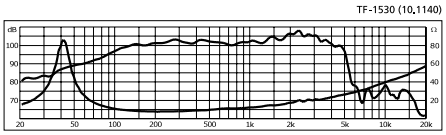
Order No. 10.1140

15 800 W MAX

Professional PA bass speaker, 400 W, 8 Ω

- 38 cm (15") PA bass speaker of very high power capability and very high efficiency
- High-quality Kevlar fibre-reinforced cellulose cone
- 75 mm (3") heat-resistant voice coil on a Kapton voice coil former
- Excellent linear frequency response and wide bandwidth
- Double-roll surround for an excellent linearity
- Robust sheet steel basket







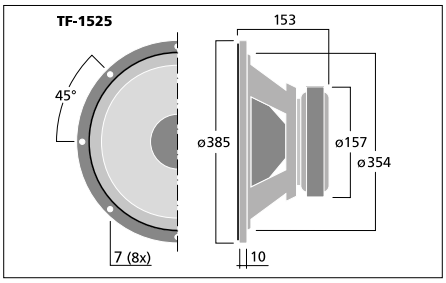
TF-1525

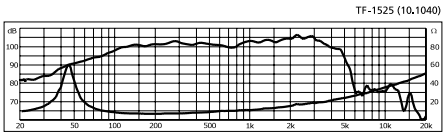
Order No. 10.1040

15 500 W MAX

Professional PA bass speaker, 250 W, 8 Ω

- 38 cm (15") PA bass speaker of high power capability and high efficiency
- High-quality Kevlar fibre-reinforced cellulose cone
- 64 mm (2½") heat-resistant voice coil on a Kapton voice coil former
- TSP parameters for a voluminous bass reproduction
- Excellent linear frequency response and wide bandwidth
- Double-roll surround for an excellent linearity
- Robust sheet steel basket







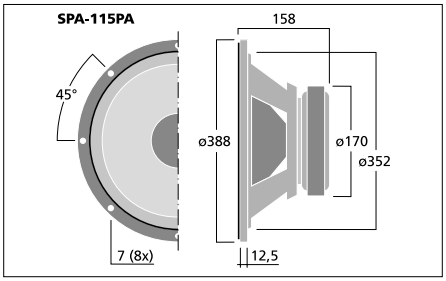
SPA-115PA

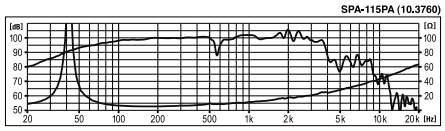
Order No. 10.3760

15 500 W MAX

PA bass speaker, 250 W, 8 Ω

- 38 cm (15") high-performance bass speaker of high efficiency
- Heat-resistant voice coil and Kapton voice coil former
- Extended radiation range
- Low moving mass of the voice coil system for a dynamic reproduction
- Robust diecast aluminium basket







Model	TF-1530	TF-1525	SPA-115PA
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	f3-3,000 Hz	f3-3,000 Hz	f3-3000
Resonant frequency (fs)	45 Hz	47 Hz	40 Hz
Power rating	400 W	250 W	250 W
Peak music power output	800 W	500 W	500 W
Sensitivity	99 dB/W/m	98 dB/W/m	100 dB/W/m
Suspension compl. (Cms)	0.14 mm/N	0,149 mm/N	0.18 mm/N
Moving mass (Mms)	92 g	78 g	75 g
Mech. Q factor (Qms)	4.2	5.9	12.97
Electr. Q factor (Qes)	0.42	0.66	0.41
Total Q factor (Qts)	0.38	0.59	0.40
Equivalent volume (Vas)	141 l	152 l	184 l
DC resistance (Re)	5.7 Ω	5.2 Ω	5.8 Ω
Force factor (BxL)	18.7 Tm	13.5 Tm	16.3 Tm
Voice coil induct. (Le)	1.08 mH	0.8 mH	1.4 mH
Voice coil diameter	Ø 75 mm	Ø 64 mm	Ø 75 mm
Voice coil former	Kapton	Kapton	Kapton
Linear excursion (X_{MAX})	± 2 mm	± 2.5 mm	± 4 mm
Eff. cone area (Sd)	855 cm^2	855 cm^2	855 cm^2
Magnet weight	2.4 kg	1.2 kg	1.6 kg
Weight	6.92 kg	4.34 kg	6.23 kg

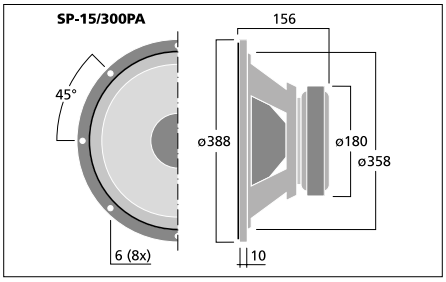
SP-15/300PA

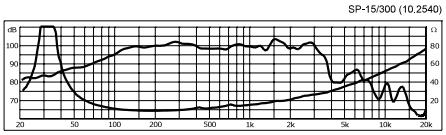
Order No. 10.2540

15 600 W MAX

PA bass speaker, 300 W, 8 Ω

- Very high efficiency for bass applications
- Maximum bass pressure in the medium bass range in astonishingly small cabinets







SP-380PA

Order No. 10.2990

15 500 W MAX

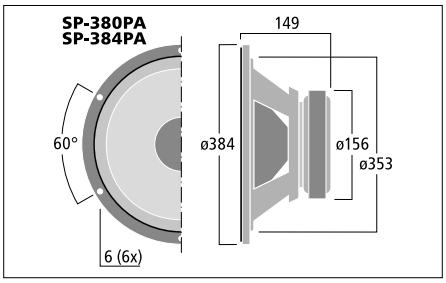
SP-384PA

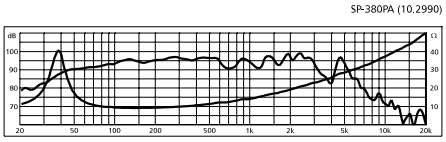
Order No. 10.3960

15 500 W MAX

PA and power bass speakers, 250 W, 8 Ω (SP-380PA) and 4 Ω (SP-384PA)

- Classic size for any kind of application up to free air car hi-fi applications







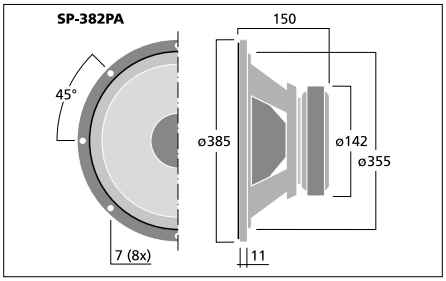
SP-382PA

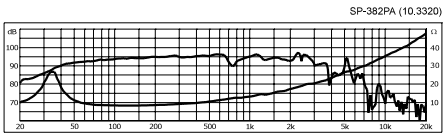
Order No. 10.3320

15 300 W MAX

Universal bass speaker, 150 W, 8 Ω

For bass applications, also in power speaker systems.







Model	SP-15/300PA	SP-380PA	SP-384PA	SP-382PA
Impedance (Z)	8 Ω	8 Ω	4 Ω	8 Ω
Frequency range	f3-4,500 Hz	f3-3,500 Hz	f3-3500	f3-4000
Resonant frequency (fs)	38 Hz	38 Hz	38 Hz	25 Hz
Power rating	300 W	250 W	250 W	150 W
Peak music power output	600 W	500 W	500 W	300 W
Sensitivity	101 dB/W/m	96 dB	96 dB/W/m	94 dB/W/m
Suspension compl. (Cms)	0.23 mm/N	0.19 mm/N	0.3 mm/N	0.26 mm/N
Moving mass (Mms)	88 g	95 g	63 g	73 g
Mech. Q factor (Qms)	5.44	3.68	3.87	3.03
Electr. Q factor (Qes)	0.29	0.64	0.60	0.99
Total Q factor (Qts)	0.27	0.54	0.52	0.75
Equivalent volume (Vas)	232 l	185 l	117 l	270 l
DC resistance (Re)	6.8 Ω	5.9 Ω	3.6 Ω	7.0 Ω
Force factor (BxL)	22.2 Tm	14.5 Tm	9.39 Tm	10.87 Tm
Voice coil induct. (Le)	1.3 mH	0.9 mH	0.7 mH	0.8 mH
Voice coil diameter	Ø 78 mm	50 mm	Ø 50 mm	Ø 50 mm
Voice coil former	Kapton	aluminium	aluminium	aluminium
Linear excursion (X_{MAX})	± 3 mm	± 3.25 mm	± 3.25 mm	± 3.5 mm
Eff. cone area (Sd)	855 cm^2	845 cm^2	845 cm^2	825 cm^2
Magnet weight	1.8 kg	1.4 kg	1.4 kg	1.2 kg
Weight	6.84 kg	4.6 kg	4.56 kg	3.9 kg

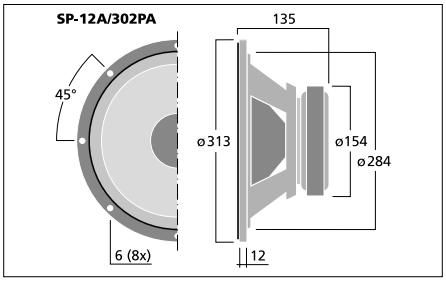
Full specifications can be found on our website www.monacor-international.de.

SP-12A/302PA

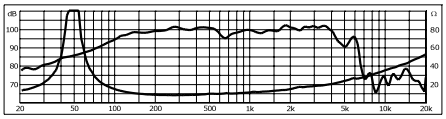
Order No. 10.4930

Professional PA bass-midrange speaker, 300 W, 8 Ω

- Of very high power capability
- 30 cm (12") professional speaker of long excursion
- Diecast basket
- Cone with water-repellent coating
- Very neat workmanship with front-facing basket
- Wide frequency response of low distortion
- High efficiency
- Excellent bass reproduction



SP-12A/302PA (10.4930)



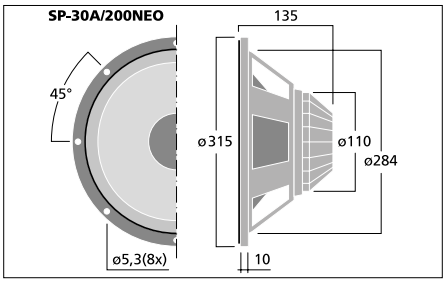


SP-30/200NEO

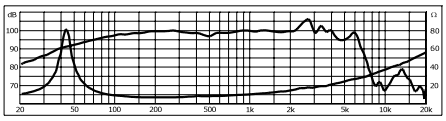
Order No. 10.5100

PA bass-midrange speaker, 200 W, 8 Ω

- High-performance NEODYMIUM drive
- 30 cm (12")
- High efficiency
- Good frequency response linearity
- Very deep bass tuning possible for a 30 cm PA bass speaker
- For extra lightweight yet professional PA full range speaker systems and top speaker systems



SP-30/200NEO (10.5100)



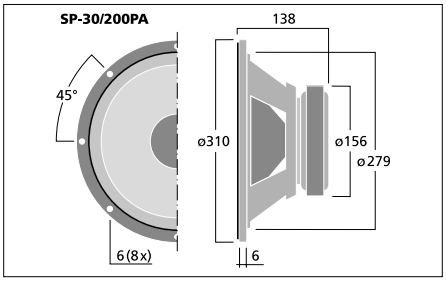


SP-30/200PA

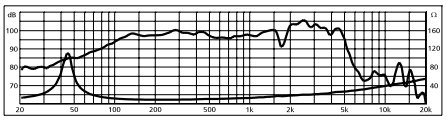
Order No. 10.3350

PA bass-midrange speaker, 200 W, 8 Ω

- For a deep low limit frequency
- For bass-midrange applications and monitoring in bass-reflex cabinets of medium size



SP-30/200PA (10.3350)





Model	SP-12A/302PA	SP-30/200NEO	SP-30/200PA
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	f3-4,000 Hz	f3-3,000 Hz	f3-4,500 Hz
Resonant frequency (fs)	50 Hz	43 Hz	44 Hz
Power rating	300 W	200 W	200 W
Peak music power output	600 W	400 W	400 W
Sensitivity	99 dB/W/m	98 dB/W/m	97 dB/W/m
Suspension compl. (Cms)	0.19 mm/N	0.27 mm/N	0.29 mm/N
Moving mass (Mms)	50 g	50 g	44 g
Mech. Q factor (Qms)	7.87	5.77	6.71
Electr. Q factor (Qes)	0.35	0.44	0.41
Total Q factor (Qts)	0.34	0.41	0.39
Equivalent volume (Vas)	77 l	98 l	120 l
DC resistance (Re)	6.4 Ω	5.5 Ω	6.5 Ω
Force factor (BxL)	16.98 Tm	12.96 Tm	13.9 Tm
Voice coil induct. (Le)	0.8 mH	0.8 mH	0.9 mH
Voice coil diameter	Ø 66 mm	Ø 50 mm	Ø 51 mm
Voice coil former	Kapton	glass fibre	Kapton
Linear excursion (X_{MAX})	± 5 mm	± 2.0 mm	± 2.5 mm
Eff. cone area (Sd)	530 cm^2	510 cm^2	540 cm^2
Magnet weight	2 kg	79 g	1.3 kg
Weight	5.1 kg	1.8 kg	4.32 kg

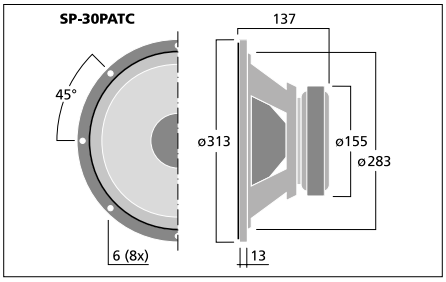
SP-30PATC

Order No. 10.4240

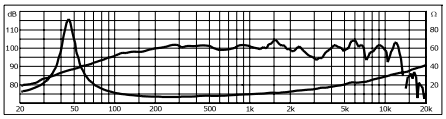
12 | 400 W MAX

PA full range speaker, 200 W, 8 Ω

- High-quality speaker
- Robust diecast basket
- Linear frequency response
- Exceptional wide bandwidth
- Special twin cone design with stabilising dust cap
- At an optimum low distortion
- Excellent for monitoring applications or full range PA applications



SP-30PATC (10.4240)





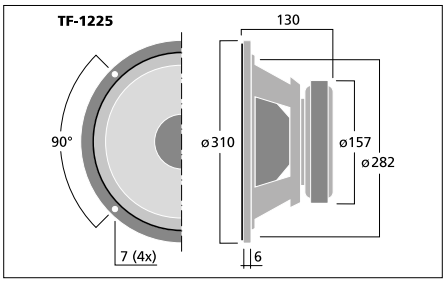
TF-1225

Order No. 10.0650

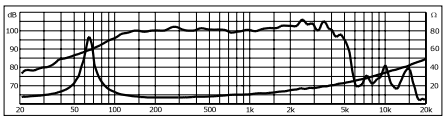
12 | 500 W MAX

Professional PA bass speaker, 250 W, 8 Ω

- 30 cm (12") PA bass speaker of high power capability and high efficiency
- High-quality Kevlar fibre-reinforced cellulose cone
- 63 mm (2½") heat-resistant voice coil on a Kapton voice coil former
- TSP parameters for a voluminous bass reproduction
- Excellent linear frequency response and wide bandwidth
- Double-roll surround for an excellent linearity
- Robust sheet steel basket



TF-1225 (10.0650)





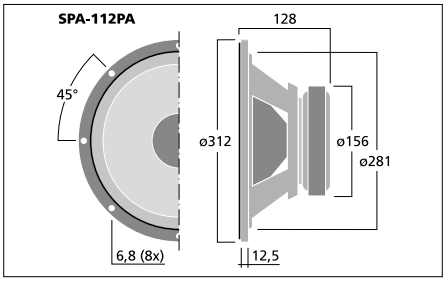
SPA-112PA

Order No. 10.3750

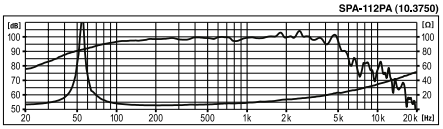
12 | 400 W MAX

PA bass-midrange speaker, 200 W, 8 Ω

- 30 cm (12") bass-midrange speaker of high power capability and high efficiency
- Heat-resistant voice coil and Kapton voice coil former
- Extended radiation range
- Low moving mass of the voice coil system for a dynamic reproduction
- Robust diecast aluminium basket



SPA-112PA (10.3750)





Model	SP-30PATC	TF-1225	SPA-112PA
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	f3-15,000 Hz	f3-4,000 Hz	f3-4,000 Hz
Resonant frequency (fs)	47 Hz	62 Hz	53 Hz
Power rating	200 W	250 W	200 W
Peak music power output	400 W	500 W	400 W
Sensitivity	99 dB/W/m	97 dB/W/m	99 dB/W/m
Suspension compl. (Cms)	0.29 mm/N	0.13 mm/N	0.2 mm/N
Moving mass (Mms)	38 g	46 g	44 g
Mech. Q factor (Qms)	3.69	6.7	11.39
Electr. Q factor (Qes)	0.30	0.52	0.52
Total Q factor (Qts)	0.28	0.48	0.50
Equivalent volume (Vas)	107 l	54.5 l	77 l
DC resistance (Re)	5.2 Ω	5.3 Ω	5.4 Ω
Force factor (BxL)	14.03 Tm	13.2 Tm	12 Tm
Voice coil induct. (Le)	0.7 mH	0.84 mH	0.9 mH
Voice coil diameter	Ø 50 mm	Ø 64 mm	Ø 65 mm
Voice coil former	KSV	Kapton	Kapton
Linear excursion (X_{MAX})	± 2 mm	± 2.5 mm	± 4 mm
Eff. cone area (Sd)	510 cm^2	551 cm^2	530 cm^2
Magnet weight	1.4 kg	1.4 kg	1.4 kg
Weight	4.735 kg	3.98 kg	4.4 kg

Full specifications can be found on our website www.monacor-international.de.

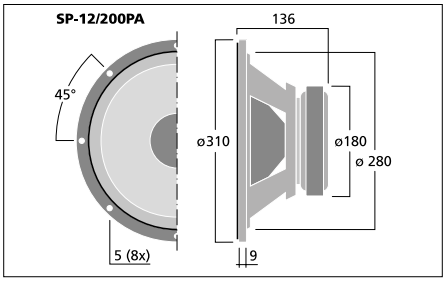
SP-12/200PA

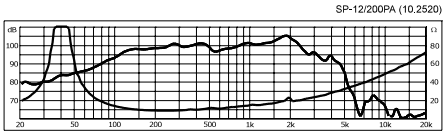
Order No. 10.2520

12 400 W MAX

PA bass-midrange speaker, 200 W, 8 Ω

- Very high efficiency and perfect specifications for use in compact full range speaker systems
- Can ideally be combined with mid-high range horns







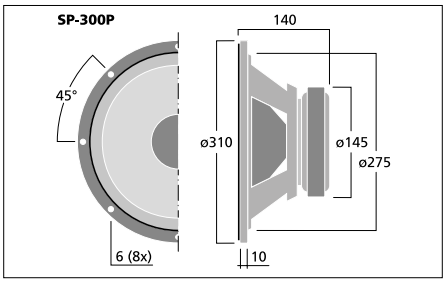
SP-300P

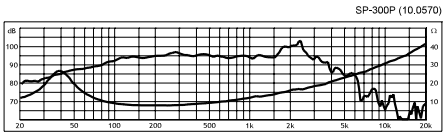
Order No. 10.0570

12 200 W MAX

Bass speaker, 100 W, 8 Ω

- With drilled pole core
- Robust paper cone for bass reproduction of high power rating







SP-300PA

Order No. 10.2980

12 350 W MAX

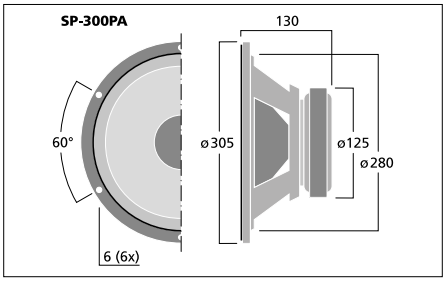
SP-304PA

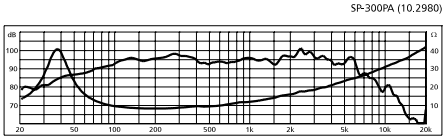
Order No. 10.3950

12 350 W MAX

PA and power bass speakers, 175 W, 8 Ω (SP-300PA) and 4 Ω (SP-304PA)

- For bass and bass-midrange in medium-sized systems







Model	SP-12/200PA	SP-300P	SP-300PA	SP-304PA
Impedance (Z)	8 Ω	8 Ω	8 Ω	4 Ω
Frequency range	f3-5,000 Hz	f3-4,000 Hz	f3-4,000 Hz	f3-4,000 Hz
Resonant frequency (fs)	45 Hz	30 Hz	40 Hz	40 Hz
Power rating	200 W	100 W	175 W	175 W
Peak music power output	400 W	200 W	350 W	350 W
Sensitivity	100 dB/W/m	96 dB/W/m	93 dB/W/m	93 dB/W/m
Suspension compl. (Cms)	0.29 mm/N	0.77 mm/N	0.35 mm/N	0.3 mm/N
Moving mass (Mms)	43 g	42 g	45 g	63 g
Mech. Q factor (Qms)	5.20	1.74	2.65	3.87
Electr. Q factor (Qes)	0.35	0.37	0.52	0.6
Total Q factor (Qts)	0.33	0.31	0.46	0.52
Equivalent volume (Vas)	114 l	266 l	150 l	117 l
DC resistance (Re)	6.8 Ω	6.5 Ω	6.9 Ω	3.6 Ω
Force factor (BxL)	15.4 Tm	11.7 Tm	10.5 Tm	9.39 Tm
Voice coil induct. (Le)	1.2 mH	0.8 mH	0.5 mH	0.4 mH
Voice coil diameter	Ø 78 mm	Ø 50 mm	Ø 39 mm	Ø 39 mm
Voice coil former	Kapton	aluminium	aluminium	aluminium
Linear excursion (X_{MAX})	± 4 mm	± 2.5 mm	± 3.25 mm	± 3.25 mm
Eff. cone area (Sd)	531 cm^2	495 cm^2	514 cm^2	514 cm^2
Magnet weight	1.8 kg	1.2 kg	850 g	850 g
Weight	5.74 kg	3.4 kg	3 kg	3 kg

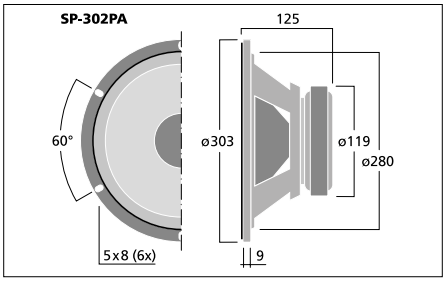
SP-302PA

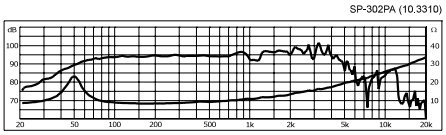
Order No. 10.3310

12 | 200 W MAX

Universal bass speaker, 100 W, 8 Ω

For bass applications, also in power speaker systems.







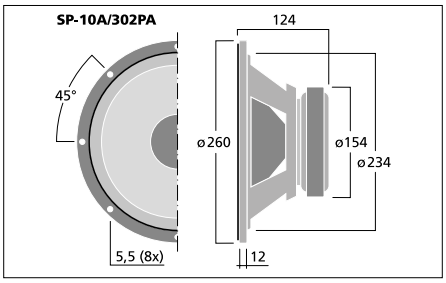
SP-10A/302PA

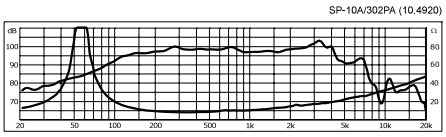
Order No. 10.4920

10 | 600 W MAX

Professional PA bass-midrange speaker, 300 W, 8 Ω

- Of very high power capability
- 25 cm (10") professional speaker of long excursion
- Diecast basket
- Cone with water-repellent coating
- Very neat workmanship with a front-facing basket
- Wide frequency response of low distortion
- High efficiency







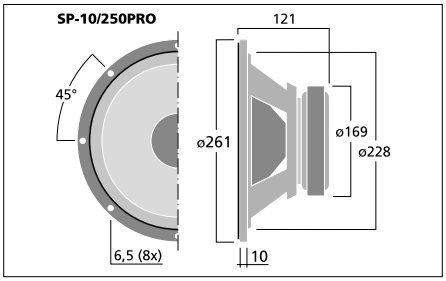
SP-10/250PRO

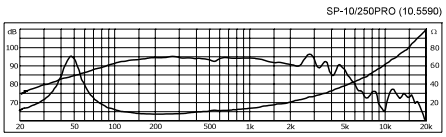
Order No. 10.5590

10 | 500 W MAX

PA bass speaker, subwoofer, 250 W, 8 Ω

- 25 cm (10") bass speaker and subwoofer of high power capability
- Heat-resistant voice coil and ventilated drive system
- Extra long excursion for a deep bass reproduction of high volumes
- Progressive cone suspension for a high operating reliability
- Robust diecast aluminium basket







Model	SP-302PA	SP-10A/302PA	SP-10/250PRO
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	f3-4,000 Hz	f3-3,500 Hz	f3-2,000 Hz
Resonant frequency (fs)	45 Hz	55 Hz	47 Hz
Power rating	100 W	300 W	250 W
Peak music power output	200 W	600 W	500 W
Sensitivity	90 dB/W/m	98 dB/W/m	94 dB/W/m
Suspension compl. (Cms)	0.15 mm/N	0.24 mm/N	0.20 mm/N
Moving mass (Mms)	57 g	35 g	51 g
Mech. Q factor (Qms)	2.2	7.44	6.16
Electr. Q factor (Qes)	1.47	0.31	0.35
Total Q factor (Qts)	0.89	0.3	0.33
Equivalent volume (Vas)	51 l	40 l	40.7 l
DC resistance (Re)	7.7 Ω	6.4 Ω	7.1 Ω
Force factor (BxL)	10.5 Tm	15.82 Tm	18.3 Tm
Voice coil induct. (Le)	0.5 mH	0.65 mH	0.83 mH
Voice coil diameter	Ø 38 mm	66 mm	Ø 75 mm
Voice coil former	aluminium	Kapton	Kapton
Linear excursion (X_{MAX})	± 2.5 mm	4 mm	± 7 mm
Eff. cone area (Sd)	542 cm^2	346 cm^2	380 cm^2
Magnet weight	850 g	2 kg	2 kg
Weight	2.36 kg	5 kg	5 kg

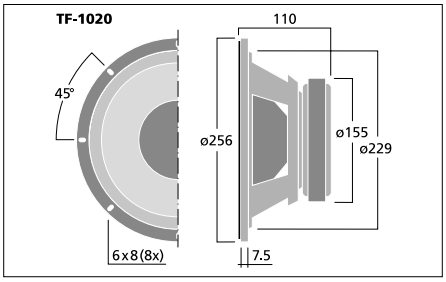
TF-1020

Order No. 10.0560

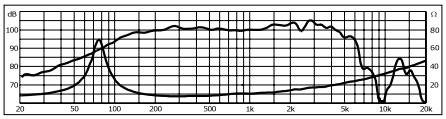
10 | 300 W MAX

Professional PA bass-midrange speaker, 150 W, 8 Ω

- 25 cm (10") PA midrange speaker providing an excellent sound, with power reserves in the bass range down to approx. 90 Hz
- High-quality Kevlar fibre-reinforced cellulose cone with double-roll surround
- 50 mm (2") heat-resistant voice coil on a Kapton voice coil former
- Excellent linear frequency response and wide bandwidth
- High-quality voice and vocal reproductions



TF-1020 (10.0560)





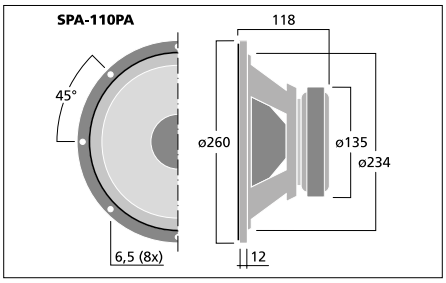
SPA-110PA

Order No. 10.3740

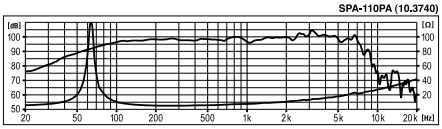
10 | 300 W MAX

PA bass-midrange speaker, 150 W, 8 Ω

- 25 cm (10") high-performance bass-midrange speaker of high efficiency
- Heat-resistant voice coil and Kapton voice coil former
- Extended radiation range
- Low moving mass of the voice coil system for a dynamic reproduction
- Robust diecast aluminium basket



SPA-110PA (10.3740)





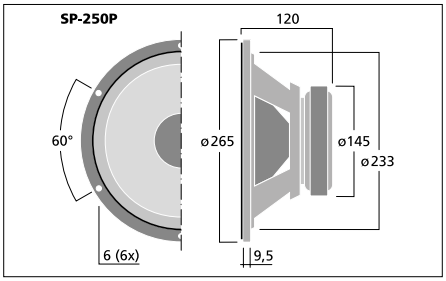
SP-250P

Order No. 10.0500

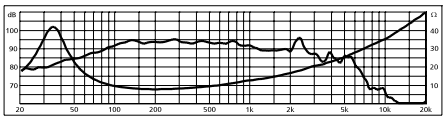
10 | 200 W MAX

Bass speaker, 100 W, 8 Ω

- With drilled pole core
- Great linear excursion for powerful bass reproductions



SP-250P (10.0500)





Model	TF-1020	SPA-110PA	SP-250P
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	f3-3,500 Hz	f3-5,000 Hz	f3-4,000 Hz
Resonant frequency (fs)	61 Hz	61 Hz	33 Hz
Power rating	150 W	150 W	100 W
Peak music power output	300 W	300 W	200 W
Sensitivity	97 dB/W/m	97 dB/W/m	94 dB/W/m
Suspension compl. (Cms)	0,221 mm/N	0.23 mm/N	0.69 mm/N
Moving mass (Mms)	31 g	29 g	33 g
Mech. Q factor (Qms)	2.85	10.68	2.33
Electr. Q factor (Qes)	0.36	0.49	0.38
Total Q factor (Qts)	0.32	0.47	0.33
Equivalent volume (Vas)	37.5 l	38 l	115 l
DC resistance (Re)	5.8 Ω	5.2 Ω	6.5 Ω
Force factor (BxL)	13.79 Tm	10.4 Tm	10.8 Tm
Voice coil induct. (Le)	0.59 mH	0.68 mH	1.2 mH
Voice coil diameter	Ø 50 mm	Ø 50 mm	Ø 50 mm
Voice coil former	Kapton	Kapton	aluminium
Linear excursion (X_{MAX})	± 2 mm	± 4 mm	± 3.5 mm
Eff. cone area (Sd)	363 cm^2	364 cm^2	346 cm^2
Magnet weight	1.2 kg	1.2 kg	1.1 kg
Weight	3.7 kg	3.22 kg	3.34 kg

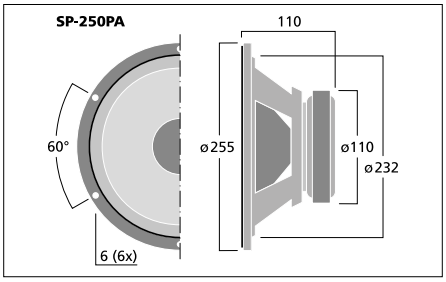
SP-250PA

Order No. 10.2970

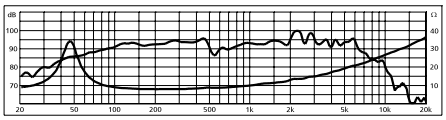
10 | 250 W MAX

PA and power bass-midrange speaker, 125 W, 8 Ω

For general applications in the bass and midrange.



SP-250PA (10.2970)





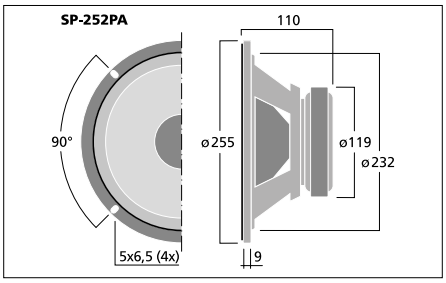
SP-252PA

Order No. 10.3300

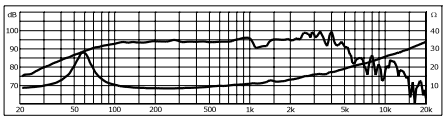
10 | 150 W MAX

Universal bass-midrange speaker, 75 W, 8 Ω

For bass-midrange applications, also in power speaker systems.



SP-252PA (10.3300)





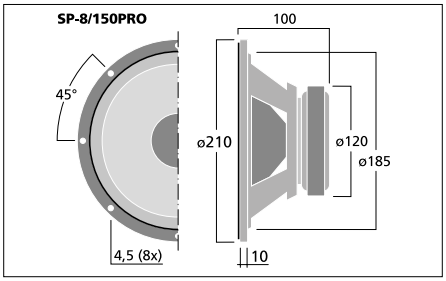
SP-8/150PRO

Order No. 10.0710

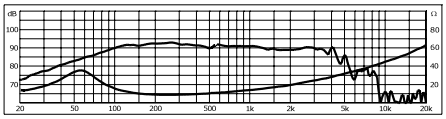
8 | 300 W MAX

Compact PA bass speaker, subwoofer, 150 W, 8 Ω

- 20 cm (8") bass speaker and subwoofer of high power capability
- Heat-resistant voice coil and ventilated drive system
- Extra long excursion for a deep bass reproduction of high volumes
- Progressive cone suspension for a high operating reliability
- Robust diecast aluminium basket
- Ideally suited for 2-way systems and compact subwoofers



SP-8/150PRO (10.0710)





Model	SP-250PA	SP-252PA	SP-8/150PRO
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	f3-4,500 Hz	f3-4500	f3-3,000 Hz
Resonant frequency (fs)	48 Hz	55 Hz	56 Hz
Power rating	125 W	75 W	150 W
Peak music power output	250 W	150 W	300 W
Sensitivity	92 dB/W/m	90 dB/W/m	93 dB/W/m
Suspension compl. (Cms)	0.41 mm/N	0.18 mm/N	0.35 mm/N
Moving mass (Mms)	27 g	30 g	22.8 g
Mech. Q factor (Qms)	3.8	2.13	1.52
Electr. Q factor (Qes)	0.98	1	0.41
Total Q factor (Qts)	0.78	0.7	0.32
Equivalent volume (Vas)	72 l	30 l	22 l
DC resistance (Re)	6.9 Ω	7.7 Ω	7.2 Ω
Force factor (BxL)	7.6 Tm	9.7 Tm	11.96 Tm
Voice coil induct. (Le)	0.9 mH	0.6 mH	2.0 mH
Voice coil diameter	39 mm	Ø 39 mm	Ø 50 mm
Voice coil former	aluminium	aluminium	aluminium
Linear excursion (X_{MAX})	± 4.25 mm	± 2.5 mm	± 6 mm
Eff. cone area (Sd)	346 cm^2	350 cm^2	213 cm^2
Magnet weight	710 g	850 g	850 g
Weight	1.97 kg	2.21 kg	2.52 kg

Full specifications can be found on our website www.monacor-international.de.

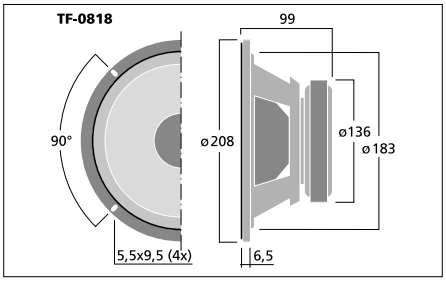
TF-0818

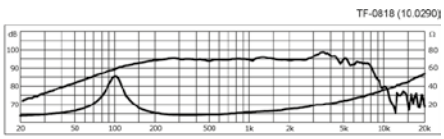
Order No. 10.0290

8 Ω 200 W MAX

Professional PA bass-midrange speaker, 100 W, 8 Ω

- PA bass-midrange speaker, excellent sound, power reserves in the bass range down to approx. 90 Hz
- High-quality Kevlar fibre-reinforced cellulose cone and double-roll surround
- 44.5 mm heat-resistant voice coil on a Kapton voice coil former
- Excellent linear frequency response and wide bandwidth
- With ±3.5 mm, a high X_{MAX} for this speaker class







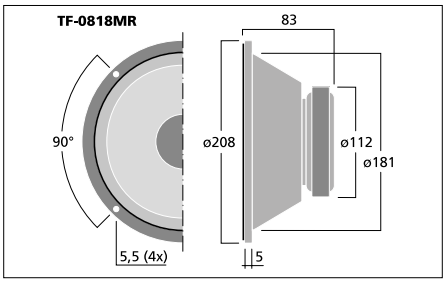
TF-0818MR

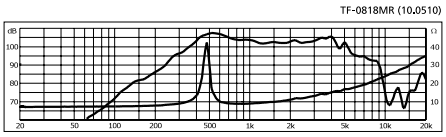
Order No. 10.0510

8 Ω 200 W MAX

Professional PA midrange speaker, 100 W, 8 Ω

- 20 cm (8") PA midrange speaker of high power capability with closed sheet steel basket
- Very high efficiency, linear frequency response
- Easy installation, no extra cabinet volume required
- High-quality Kevlar fibre-reinforced cellulose cone
- 44.5 mm (1.75") heat-resistant voice coil on a Kapton voice coil former
- With impedance linearisation, can be used from approx. 600 Hz on, otherwise 800-4,500 Hz







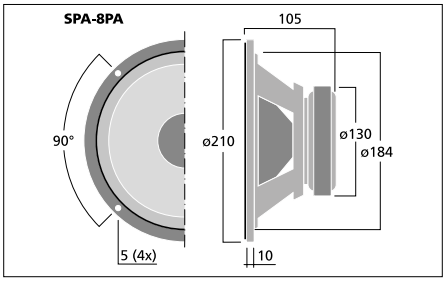
SPA-8PA

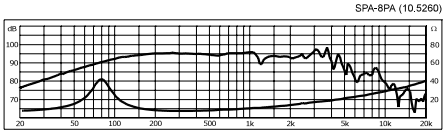
Order No. 10.5260

8 Ω 150 W MAX

PA bass-midrange speaker, 100 W, 8 Ω

- 20 cm (8") bass-midrange speaker of high power capability
- High efficiency
- Features a diecast basket
- Drilled pole core
- Pressure connecting terminals







Model	TF-0818	TF-0818MR	SPA-8PA
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	f3-6,000 Hz	800-5,000 Hz	f3-4,000 Hz
Resonant frequency (fs)	94 Hz	450 Hz	75 Hz
Power rating	100 W	100 W	100 W
Peak music power output	200 W	200 W	200 W
Sensitivity	94 dB/W/m	99 dB/W/m	94 dB/W/m
Suspension compl. (Cms)	0.17 mm/N	-	0.16 mm/N
Moving mass (Mms)	17.5 g	-	27 g
Mech. Q factor (Qms)	3.83	-	-
Electr. Q factor (Qes)	0.50	-	0.54
Total Q factor (Qts)	0.44	-	0.46
Equivalent volume (Vas)	12.5 l	-	10 l
DC resistance (Re)	6.4 Ω	6.7 Ω	6.2 Ω
Force factor (BxL)	11.36 Tm	-	12.26 Tm
Voice coil induct. (Le)	0.75 mH	0.34 mH	0.8 mH
Voice coil diameter	Ø 45 mm	Ø 45 mm	Ø 50 mm
Voice coil former	Kapton	Kapton	aluminium
Linear excursion (X_{MAX})	± 3.5 mm	± 1 mm	± 4 mm
Eff. cone area (Sd)	255 cm^2	255 cm^2	213 cm^2
Magnet weight	0.9 kg	570 g	1.1 kg
Weight	2.28 kg	1.85 kg	3.2 kg

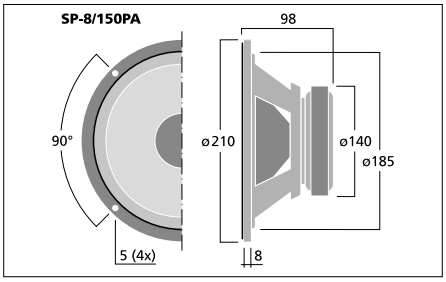
SP-8/150PA

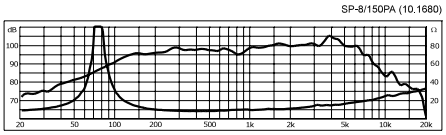
Order No. 10.1680

8 Ω 300 W MAX

PA bass-midrange speaker, 150 W, 8 Ω

- Good medium efficiency
- Wide bandwidth radiation for midrange applications





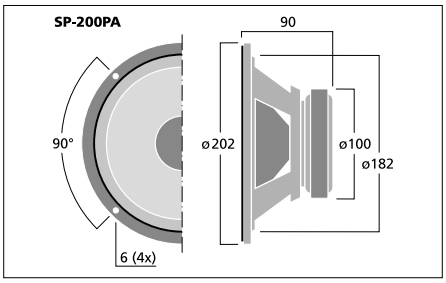


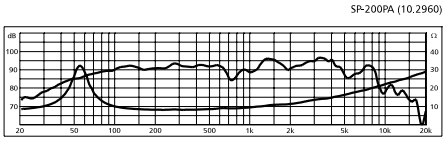
SP-200PA

Order No. 10.2960

8 Ω 200 W MAX

PA and power bass-midrange speaker, 100 W, 8 Ω







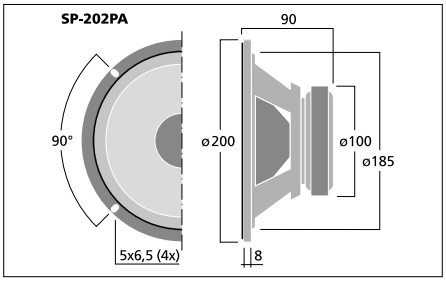
SP-202PA

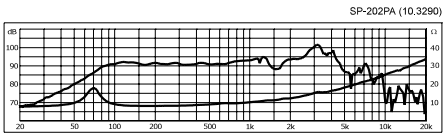
Order No. 10.3290

8 Ω 100 W MAX

Universal bass-midrange speaker, 50 W, 8 Ω

For bass-midrange applications, also in power speaker systems.







Model	SP-8/150PA	SP-200PA	SP-202PA
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	f3-8,000 Hz	f3-4,000 Hz	f3-4,500 Hz
Resonant frequency (fs)	88 Hz	55 Hz	68 Hz
Power rating	150 W	100 W	50 W
Peak music power output	300 W	200 W	100 W
Sensitivity	96 dB/W/m	91 dB/W/m	91 dB/W/m
Suspension compl. (Cms)	0.16 mm/N	0.64 mm/N	0.2 mm/N
Moving mass (Mms)	20 g	13 g	18 g
Mech. Q factor (Qms)	4.12	3.42	2.33
Electr. Q factor (Qes)	0.48	0.99	2.25
Total Q factor (Qts)	0.43	0.77	1.1
Equivalent volume (Vas)	12 l	39 l	12
DC resistance (Re)	6.9 Ω	6.9 Ω	7.4 Ω
Force factor (BxL)	12.6 Tm	5.6 Tm	5.6 Tm
Voice coil induct. (Le)	0.6 mH	0.5 mH	0.4 mH
Voice coil diameter	Ø 50 mm	Ø 25 mm	Ø 25 mm
Voice coil former	Kapton	aluminium	aluminium
Linear excursion (X_{MAX})	± 1.25 mm	± 3.75 mm	± 3 mm
Eff. cone area (Sd)	219 cm^2	214 cm^2	216 cm^2
Magnet weight	1.1 kg	570 g	570 g
Weight	2.965 kg	1.255 kg	1.115 kg

Full specifications can be found on our website www.monacor-international.de.

SP-6/108PRO

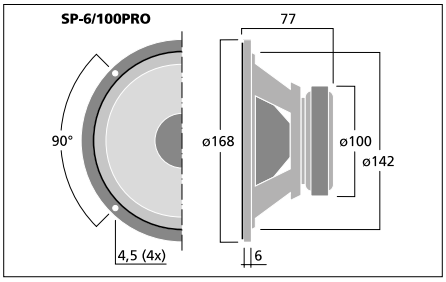
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SP-6/100PRO

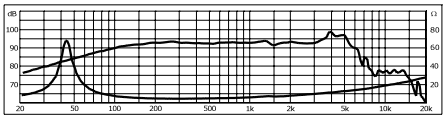
Order No. 10.4540

Compact PA bass-midrange speakers, 100 W, 8 Ω (SP-6/108PRO) and 4 Ω (SP-6/100PRO)

- 16.5 cm (6.5") professional bass-midrange speaker for PA and hi-fi
- High-quality carbon fibre cone
- Excellent sound and dynamic characteristics
- Heat-resistant voice coil wound on the inside and outside
- Ideally suited for combination with DT-300 and WG-300



SP-6/100PRO (10.4540)



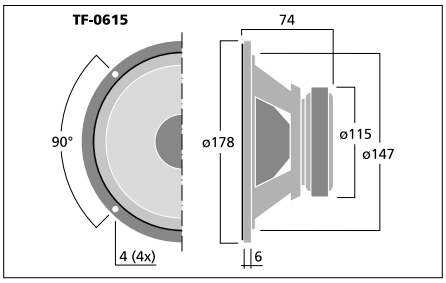


TF-0615

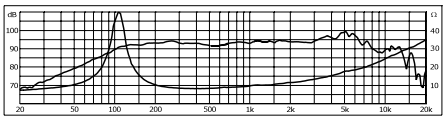
Order No. 10.5690

Professional PA bass-midrange speaker, 100 W, 8 Ω

- 16 cm (6") PA bass-midrange speaker providing an excellent sound with power reserves in the bass range down to approx. 100 Hz
- High-quality Kevlar fibre-reinforced cellulose cone and double-roll surround
- 38 mm heat-resistant voice coil on a Kapton voice coil former
- Excellent linear frequency response and wide bandwidth
- Linear excursion (X_{MAX}): ± 2.5 mm



TF-0615 (10.5690)



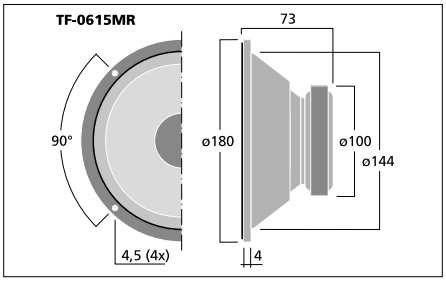


TF-0615MR

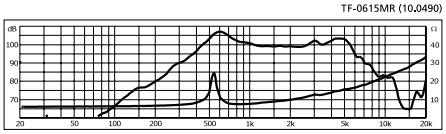
Order No. 10.0490

PA midrange speaker, 50 W, 8 Ω

- 18 cm (6 3/4") compact PA midrange speaker with closed sheet steel basket
- Very high efficiency, linear frequency response
- Easy installation, no extra cabinet volume required
- High-quality Kevlar fibre-reinforced cellulose cone
- 38 mm (1.5") heat-resistant voice coil on a Kapton voice coil former
- With impedance linearisation, can be used from approx. 800 Hz on, otherwise 1,000-5,000 Hz



TF-0615MR (10.0490)





Model	SP-6/108PRO	SP-6/100PRO	TF-0615	TF-0615MR
Impedance (Z)	8 Ω	4 Ω	8 Ω	8 Ω
Frequency range	f3-4,500 Hz	f3-4,500 Hz	f3-6,000 Hz	500-5,000 Hz
Resonant frequency (fs)	44 Hz	44 Hz	107 Hz	500 Hz
Power rating	100 W	100 W	100 W	50 W
Peak music power output	150 W	150 W	200 W	100 W
Sensitivity	92 dB/W/m	93 dB/W/m	95 dB/W/m	97 dB/W/m
Suspension compl. (Cms)	0.97 mm/N	1.08 mm/N	0,193 mm/N	-
Moving mass (Mms)	13.14 g	12.2 g	11.3 g	-
Mech. Q factor (Qms)	4.28	5.52	5.83	-
Electr. Q factor (Qes)	0.35	0.29	0.68	-
Total Q factor (Qts)	0.32	0.27	0.61	-
Equivalent volume (Vas)	25.5 l	28 l	6.5 l	-
DC resistance (Re)	5.74 Ω	3.3 Ω	7.2 Ω	5.7
Force factor (BxL)	7.46 Tm	6.22 Tm	9.03 Tm	-
Voice coil induct. (Le)	0.43 mH	0.4 mH	0.5 mH	0,294 mH
Voice coil diameter	Ø 30 mm	Ø 30 mm	Ø 38 mm	Ø 38 mm
Voice coil former	Kapton	Kapton	Kapton	Kapton
Linear excursion (X_{MAX})	± 3 mm	± 3 mm	± 2.5 mm	± 1 mm
Eff. cone area (Sd)	137 cm^2	137 cm^2	145 cm^2	169 cm^2
Magnet weight	570 g	570 g	0.8 kg	480 g
Weight	1.435 kg	1.43 kg	1.71 kg	1.435 kg

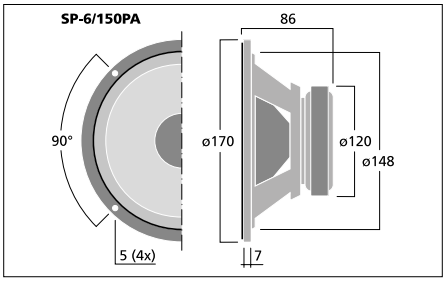
SP-6/150PA

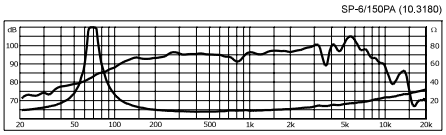
Order No. 10.3180

6½ 300 W MAX

PA midrange speaker, 150 W, 8 Ω

- For PA midrange applications requiring a high power capability with simultaneous use of mid-high range horns
- Very well-suited for dual arrangements







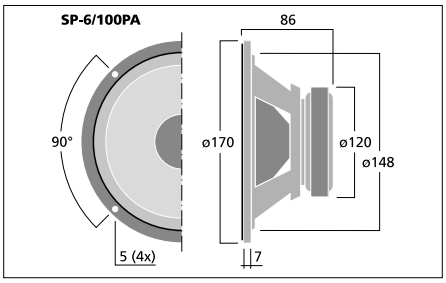
SP-6/100PA

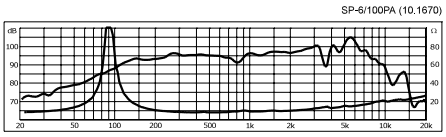
Order No. 10.1670

6½ 200 W MAX

PA midrange speaker, 100 W, 8 Ω

- Very linear frequency response
- High efficiency
- Perfect midrange speaker for powerful 3-way arrangements in the semiprofessional range





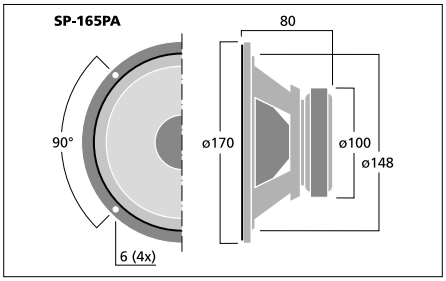


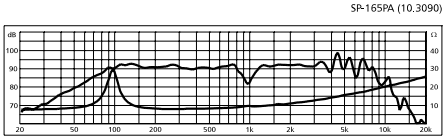
SP-165PA

Order No. 10.3090

6½ 100 W MAX

PA and power midrange speaker, 50 W, 8 Ω







Model	SP-6/150PA	SP-6/100PA	SP-165PA
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	f3-6,000 Hz	f3-8,000 Hz	f3-5,500 Hz
Resonant frequency (fs)	73 Hz	90 Hz	100 Hz
Power rating	150 W	100 W	50 W
Peak music power output	300 W	200 W	100 W
Sensitivity	93 dB/W/m	94 dB/W/m	90 dB/W/m
Suspension compl. (Cms)	0.31 mm/N	0.28 mm/N	0.25 mm/N
Moving mass (Mms)	15.2 g	11.2 g	10 g
Mech. Q factor (Qms)	5.31	4.24	5.2
Electr. Q factor (Qes)	0.46	0.49	1.15
Total Q factor (Qts)	0.42	0.44	0.94
Equivalent volume (Vas)	8.5 l	8 l	7 l
DC resistance (Re)	6.5 Ω	6.7 Ω	6.9 Ω
Force factor (BxL)	9.9 Tm	9.3 Tm	6.1 Tm
Voice coil induct. (Le)	0.6 mH	0.5 mH	0.5 mH
Voice coil diameter	Ø 50 mm	Ø 40 mm	Ø 25 mm
Voice coil former	Kapton	Kapton	aluminium
Linear excursion (X_{MAX})	± 1 mm	± 0.75 mm	± 3.75 mm
Eff. cone area (Sd)	139 cm^2	139 cm^2	137 cm^2
Magnet weight	850 g	850 g	570 g
Weight	2.16 kg	2.14 kg	1.3 kg

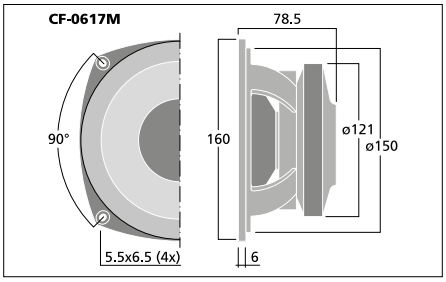
CF-0617M

Order No. 10.5870

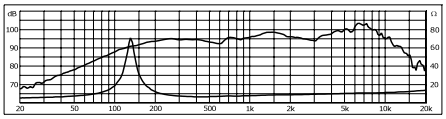
6½ | 350 W MAX | NEW

Professional PA midrange speaker, 200 W, 8 Ω

- 16.5 cm (6½") PA midrange speaker with an excellent sound, especially suitable for the midrange from 300 Hz on
- High-quality Kevlar fibre-reinforced cellulose cone
- 45 mm heat-resistant voice coil on a Kapton voice coil former
- FEA-optimised drive with copper cap on the pole core for lowest harmonic distortions
- Flat foam surround for minimum mechanical loss
- Robust diecast aluminium basket



CF-0617M (10.5870)





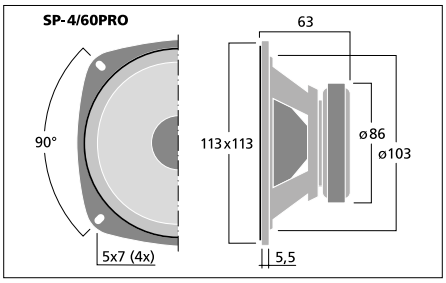
SP-4/60PRO

Order No. 10.1600

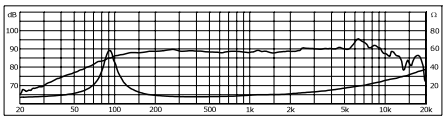
4 | 60 W MAX

PA midrange speaker, 30 W, 8 Ω

- 10 cm (4") PA midrange speaker
- Midrange speaker from the L-RAY/1000
- Very linear and wide frequency range
- Excellent sound and dynamic characteristics
- Due to a great linear excursion for a midrange system, very low crossover frequency at subwoofer systems possible
- Ideally suited for small PA systems, column speakers and also as a hi-fi midrange speaker



SP-4/60PRO (10.1600)





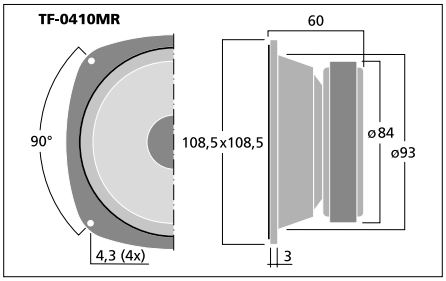
TF-0410MR

Order No. 10.5740

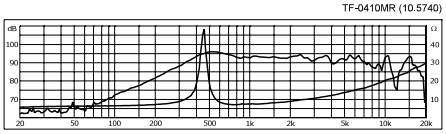
4 | 60 W MAX

PA midrange speaker, 30 W, 8 Ω

- 10 cm (4") compact PA midrange speaker with closed sheet steel basket
- High efficiency, extended frequency response
- Easy installation, no extra cabinet volume required
- High-quality Kevlar fibre-reinforced cellulose cone
- 25 mm (1") heat-resistant voice coil on a Kapton voice coil former
- With impedance linearisation, can be used from approx. 500 Hz on, otherwise 800-4,000 Hz



TF-0410MR (10.5740)





Model	CF-0617M	SP-4/60PRO	TF-0410MR
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	300-7,000 Hz	f3-10,000 Hz	400-5,000 Hz
Resonant frequency (fs)	135 Hz	92 Hz	400 Hz
Power rating	200 W	30 W	30 W
Peak music power output	350 W	60 W	60 W
Sensitivity	96 dB/W/m	90 dB/W/m	90 dB/W/m
Suspension compl. (Cms)	0,118 mm/N	0.47 mm/N	-
Moving mass (Mms)	11.65 g	6.3 g	-
Mech. Q factor (Qms)	7.49	5.35	-
Electr. Q factor (Qes)	0.6	0.67	-
Total Q factor (Qts)	0.55	0.60	-
Equivalent volume (Vas)	3.95 l	3.04 l	-
DC resistance (Re)	4.98 Ω	6.76 Ω	5.65 Ω
Force factor (BxL)	9.08 Tm	5.85 Tm	-
Voice coil induct. (Le)	0.2 mH	0.3 mH	0.4 mH
Voice coil diameter	Ø 45 mm	Ø 25 mm	Ø 25 mm
Voice coil former	Kapton	Kapton	Kapton
Linear excursion (X_{MAX})	± 1.2 mm	± 2.3 mm	± 1 mm
Eff. cone area (Sd)	145 cm^2	68 cm^2	58 cm^2
Magnet weight	0.8 kg	370 g	480 g
Weight	1.9 kg	0.9 kg	0.88 kg

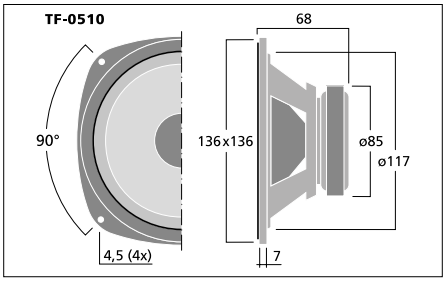
TF-0510

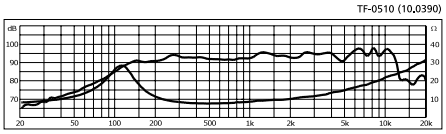
Order No. 10.0390

5¼ 75 W MAX

PA midrange speaker, 30 W, 8 Ω

- 13 cm (5") compact PA midrange speaker with a very wide radiation range
- High-quality Kevlar fibre-reinforced cellulose cone
- Very linear frequency response and wide bandwidth
- 25 mm (1") heat-resistant voice coil on a Kapton voice coil former
- Ideally suited for multiple arrangements in line arrays or column speakers
- Very good sound quality and thus also suitable for hi-fi applications







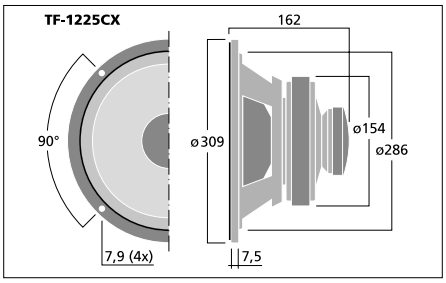
TF-1225CX

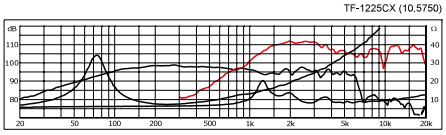
Order No. 10.5750

12/2 500 W MAX

Professional 2-way coaxial PA speaker, 250 W, 8 Ω

- 30 cm (12") PA bass speaker of high power capability and high efficiency
- Coaxially arranged horn tweeter with 25 mm (1", voice coil = 44 mm) neodymium high-frequency driver
- 63 mm (2½") heat-resistant voice coil on a Kapton voice coil former
- Operation only allowed with crossover network (recommended crossover frequency: 2,200 Hz)
- Robust sheet steel basket







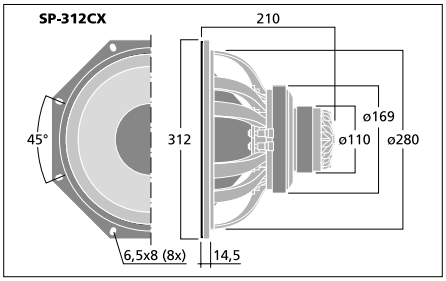
SP-312CX

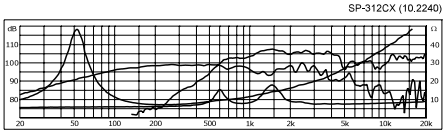
Order No. 10.2240

12/2 500 W MAX

Professional 2-way coaxial PA speaker, with integrated horn tweeter.

- 30 cm (12") PA bass speaker of high power capability and high efficiency
- Coaxially arranged horn tweeter with 25 mm (1", voice coil = 44 mm) high-frequency driver
- 75 mm (3") heat-resistant voice coil on a polyamide voice coil former (TIL)
- Operation only allowed with crossover network (recommended crossover frequency: 1,800 Hz)







Model	TF-0510	TF-1225CX	SP-312CX
Impedance (Z)	8 Ω	8 Ω (bass), 8 Ω (tweeter)	8 Ω
Frequency range	f3-13,000 Hz	f3-4,000 Hz (bass) 1,200-18,000 Hz (tweeter)	f3-3,000 Hz
Resonant frequency (fs)	110 Hz	71 Hz (bass), 1,200 Hz (tweeter)	55 Hz (bass), 700 Hz (tweeter)
Power rating	30 W	250 W (bass) / 75 W (tweeter)	250 W (bass) / 50 W (tweeter)
Peak music power output	60 W	500 W (bass) / 150 W (tweeter)	500 W (bass) / 100 W (tweeter)
Sensitivity	91 dB/W/m	97 dB (bass) / 110 dB (tweeter)	97 dB (bass) / 106 dB (tweeter)
Suspension compl. (Cms)	0.3 mm/N	0.10 mm/N	0.16 mm/N
Moving mass (Mms)	5.5 g	49 g	56 g
Mech. Q factor (Qms)	2.4	3.82	3.74
Electr. Q factor (Qes)	0.58	0.48	0.36
Total Q factor (Qts)	0.46	0.426	0.33
Equivalent volume (Vas)	4.2 l	40 l	64 l
DC resistance (Re)	6.4 Ω	5.6 Ω	5.6 Ω
Force factor (BxL)	6.5 Tm	16.1 Tm	16.9 Tm
Voice coil induct. (Le)	0.38 mH	0.23 mH	1.1 mH
Voice coil diameter	Ø 25 mm	Ø 63 mm (bass) / Ø 45 mm (tweeter)	Ø 75 mm (bass) / Ø 44 mm (tweeter)
Voice coil former	Kapton	Kapton	polyamide (TIL)
Linear excursion (X_{MAX})	± 1.1 mm	± 2.5 mm	± 3.0 mm
Eff. cone area (Sd)	105 cm^2	551 cm^2	540 cm^2
Magnet weight	370 g	1.2 kg	1.8 kg
Weight	0.92 kg	4.5 kg	8.1 kg

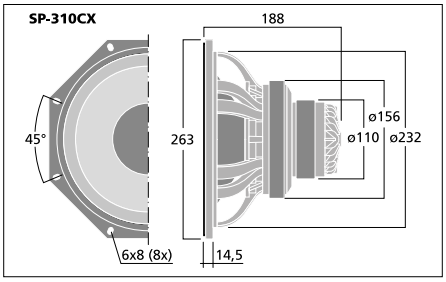
SP-310CX

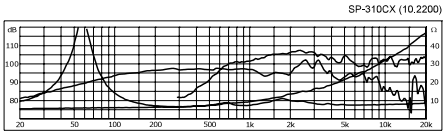
Order No. 10.2200

10/2 400 W MAX

Professional 2-way coaxial PA speaker with integrated horn tweeter.

- 25 cm (10") PA bass speaker of high power capability and high efficiency
- Coaxially arranged horn tweeter with 25 mm (1", voice coil = 44 mm) high-frequency driver
- 64 mm (2½") heat-resistant voice coil on a polyamide voice coil former (TIL)
- Operation only allowed with crossover network (recommended crossover frequency: > 1,800 Hz)







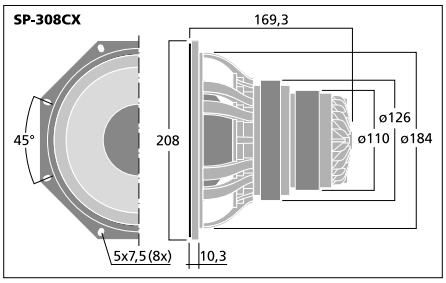
SP-308CX

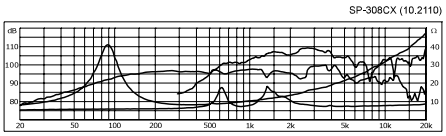
Order No. 10.2110

8/2 300 W MAX

Professional 2-way coaxial PA speaker, with integrated horn tweeter.

- 20 cm (8") PA bass speaker of high power capability and high efficiency
- Coaxially arranged horn tweeter with 25 mm (1", voice coil = 44 mm) high-frequency driver
- 50 mm (2") heat-resistant voice coil on a polyamide voice coil former (TIL)
- Operation only allowed with crossover network (recommended crossover frequency: >1,800 Hz)







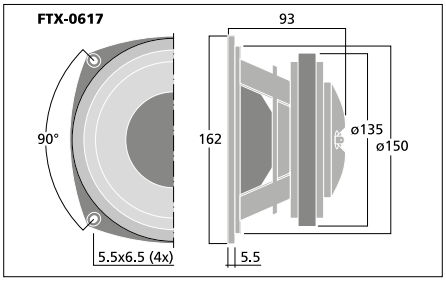
FTX-0617

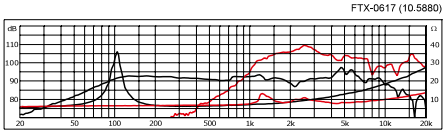
Order No. 10.5880

6.5/2 300 W MAX NEW

Professional 2-way coaxial PA speaker, 150 W, 8 Ω

- 165 mm (6½") high-performance PA bass speaker of high efficiency
- Coaxially arranged horn tweeter with 25 mm (1", voice coil = 34 mm) high-frequency driver
- 50 mm (2") heat-resistant voice coil on a glass fibre voice coil former
- FEA-optimised drive with one common magnet only for high-frequency driver and bass driver
- Integrated demodulation rings for reducing electro-magnetic distortions
- Robust diecast basket with rear-ventil. centering spider







Model	SP-310CX	SP-308CX	FTX-0617
Impedance (Z)	2 x 8 Ω	8 Ω (bass), 8 Ω (tweeter)	8 Ω (bass), 8 Ω (tweeter)
Frequency range	f3-3,000 Hz (bass)	f3-3,000 Hz (bass)	110-3,000 Hz (bass)
	1,000-22,000 Hz (tweeter)	1,000-22,000 Hz (tweeter)	1,500-22,000 Hz (tweeter)
Resonant frequency (fs)	60 Hz (bass), 700 Hz (tweeter)	80 Hz (bass), 700 Hz (tweeter)	105 Hz (bass) / 1,200 Hz (tweeter)
Power rating	200 W (bass) / 50 W (tweeter)	150 W (bass) / 50 W (tweeter)	150 W (bass) / 40 W (tweeter)
Peak music power output	400 W (bass) / 100 W (tweeter)	300 W (bass) / 100 W (tweeter)	300 W (bass) / 80 W (tweeter)
Sensitivity	96 dB (bass) / 105 dB (tweeter)	95 dB (bass) / 105 dB (tweeter)	92 dB (bass) / 103 dB (tweeter)
Suspension compl. (Cms)	0.24 mm/N	0.22 mm/N	0.21 mm/N
Moving mass (Mms)	32 g	17 g	11 g
Mech. Q factor (Qms)	3.24	2.21	3.85
Electr. Q factor (Qes)	0.36	0.43	1.02
Total Q factor (Qts)	0.32	0.36	0.807
Equivalent volume (Vas)	41 l	15.4 l	7 l
DC resistance (Re)	5.6 Ω	5.8 Ω	5.57 Ω
Force factor (BxL)	13.3 Tm	12.1 Tm	6.28 Tm
Voice coil induct. (Le)	0.65 mH	0.58 mH	0.23 mH
Voice coil diameter	Ø 64 mm (bass) / Ø 44 mm (tweeter)	Ø 50 mm (bass) / Ø 44 mm (tweeter)	Ø 50 mm (bass) / Ø 34 mm (tweeter)
Voice coil former	polyamide (TIL)	polyamide (TIL)	glass fibre
Linear excursion (X_{MAX})	± 2.5 mm	± 2.5 mm	± 2.0 mm
Eff. cone area (Sd)	346 cm^2	221 cm^2	143 cm^2
Magnet weight	1.6 kg	1.4 kg	0.88 kg
Weight	6.24 kg	4.8 kg	2.3 kg

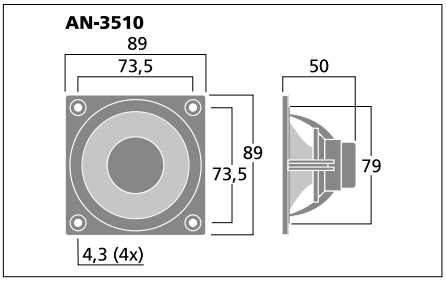
Components
Speaker Technology

AN-3510
Order No. 10.5840

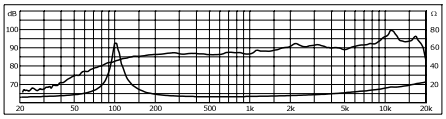


High-quality full range speaker, 35 W, 8 Ω

- 9 cm (3.5") compact full range speaker with neodymium drive
- State-of-the-art Finite Element Analysis
- Special design for application in line arrays or phased arrays
- High-quality aluminium cone for an excellent reproduction of the midrange and high speech intelligibility
- Speaker basket made of glass fibre reinforced ABS plastic
- Weatherproof for outdoor applications



AN-3510 (10.5840)



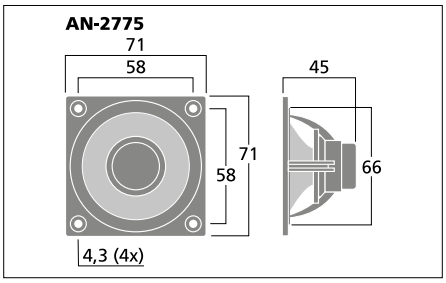


AN-2775
Order No. 10.5830

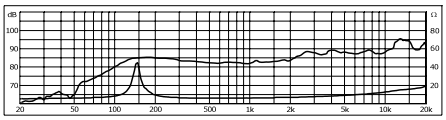


High-quality full range speaker, 20 W, 8 Ω

- 7 cm (2¾") compact full range speaker with neodymium drive
- State-of-the-art Finite Element Analysis
- Special design for application in line arrays or phased arrays
- High-quality aluminium cone for an excellent reproduction of the midrange and high speech intelligibility
- Speaker basket made of glass fibre reinforced ABS plastic
- Weatherproof for outdoor applications



AN-2775 (10.5830)



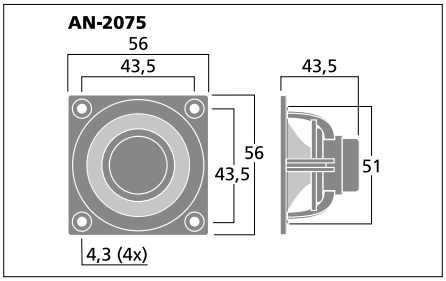


AN-2075
Order No. 10.5820

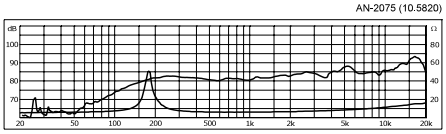


High-quality full range speaker, 20 W, 8 Ω

- 5 cm (2") compact full range speaker with neodymium drive
- State-of-the-art Finite Element Analysis
- Special design for application in line arrays or phased arrays
- High-quality aluminium cone for an excellent reproduction of the midrange and high speech intelligibility
- Speaker basket made of glass fibre reinforced ABS plastic
- Weatherproof for outdoor applications



AN-2075 (10.5820)





Model	AN-3510	AN-2775	AN-2075
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	f3-18,500 Hz	f3-19,000 Hz	f3-19,000 Hz
Resonant frequency (fs)	98 Hz	150 Hz	160 Hz
Power rating	35 W	20 W	20 W
Peak music power output	70 W	40 W	40 W
Sensitivity	87 dB/W/m	84 dB/W/m	80 dB/W/m
Suspension compl. (Cms)	0.62 mm/N	0.51 mm/N	0.55 mm/N
Moving mass (Mms)	3.37 g	1.83 g	1.37 g
Mech. Q factor (Qms)	6.59	12.21	10.12
Electr. Q factor (Qes)	0.66	1.67	1.22
Total Q factor (Qts)	0.67	1.47	1.09
Equivalent volume (Vas)	1.3 l	0.58 l	0.12 l
DC resistance (Re)	5.7 Ω	5.2 Ω	5.3 Ω
Force factor (BxL)	4.5 Tm	2.43 Tm	2.6 Tm
Voice coil induct. (Le)	0.18 mH	0.12 mH	0.12 mH
Voice coil diameter	Ø 25 mm	Ø 20 mm	Ø 20 mm
Voice coil former	polyamide	polyamide	polyamide
Linear excursion (X_{MAX})	± 1.25 mm	± 1.5 mm	± 1.5 mm
Eff. cone area (Sd)	39 cm^2	28 cm^2	12.6 cm^2
Magnet weight	neodymium	neodymium	neodymium
Weight	0.16 kg	0.1 kg	0.097 kg

Full specifications can be found on our website www.monacor-international.de.

MRH-300

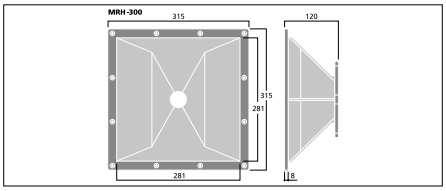
Order No. 11.2010

1.4

PA mid-high range horn

- Horn made of very robust glass fibre reinforced ABS plastic
- 35.6 mm (1.4") flange connection with standard 4-hole screw connection (Ø 101.6 mm)
- Consistent radiation pattern due to constant directivity design
- Can be mounted turned by 90°
- Recommended minimum crossover frequency: 1 kHz

Model	MRH-300
Frequency range	1,000-20,000 Hz
Mounting cutout	281 x 281 mm
Mounting depth	110 mm
Radiation angle (vert./hor.)	40°/90°
Dimensions	315 x 315 x 120 mm
Weight	1.31 kg





MPT-151

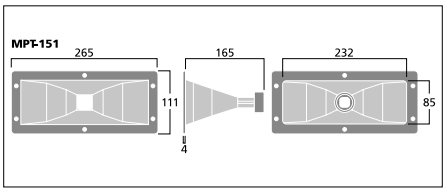
Order No. 11.0520

1

Tweeter horn

- 3.5 cm (1⅜") standard thread
- Robust plastic
- Suitable for piezo drivers

Model	MPT-151
Frequency range	800-20,000 Hz
Mounting cutout	232 x 85 mm
Mounting depth	165 mm
Radiation angle (vert./hor.)	30°/60°
Dimensions	265 x 111 mm
Weight	197 g





MRH-200

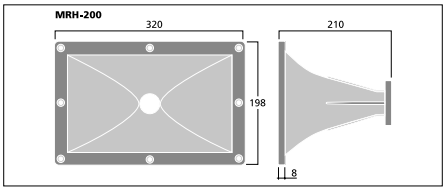
Order No. 12.8420

1

PA mid-high range horn

- Horn made of glass fibre reinforced ABS plastic
- Low-resonance due to robust design with a wall thickness of 8 mm
- 25 mm (1") flange connection with standard 2-hole and 3-hole screw connection
- Consistent radiation pattern
- Recommended minimum crossover frequency: 1 kHz

Model	MRH-200
Frequency range	700-20,000 Hz
Mounting cutout	260 x 165 mm
Mounting depth	202 mm
Radiation angle (vert./hor.)	60°/100°
Dimensions	320 x 198 x 210 mm
Weight	0.821 kg





MRH-180

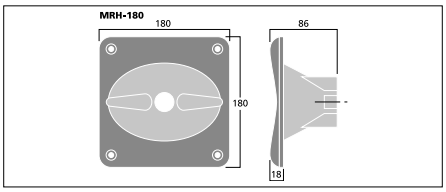
Order No. 10.5570

1

PA mid-high range horn

- Diecast aluminium horn
- Resonance-free due to rubber elements used
- Can be mounted turned by 90°
- 25 mm (1") flange connection with standard 2-hole screw connection (hole spacing: 76 mm)
- Consistent radiation pattern due to the latest FEA and CAD 3D developments
- Recommended minimum crossover frequency: 1.4 kHz

Model	MRH-180
Frequency range	1,000-20,000 Hz
Mounting cutout	Ø 155 mm
Mounting depth	86 mm
Radiation angle (vert./hor.)	50°/70°
Dimensions	180 x 180 x 90 mm
Weight	0.663 kg





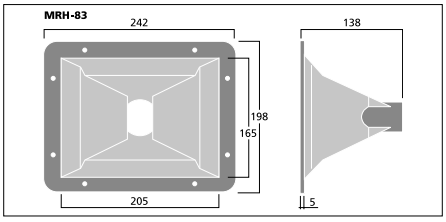
MRH-83

Order No. 12.0470

PA mid-high range horn for MRD-80

- 35 mm (1⅜") standard thread
- Plastic
- CD design (constant directivity)
- Effective throat: 25 mm (1")

Model	MRH-83
Frequency range	1,800-18,000 Hz
Mounting cutout	205 x 165 mm
Mounting depth	135 mm
Radiation angle (vert./hor.)	60°/90°
Dimensions	242 x 198 x 138 mm
Weight	270 g





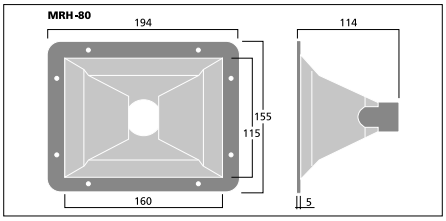
MRH-80

Order No. 11.0700

PA horn tweeter for MRD-80

- 35 mm (1⅜") standard thread
- Plastic
- CD design (constant directivity)
- Effective throat: 25 mm (1")

Model	MRH-80
Frequency range	2,500-18,000 Hz
Mounting cutout	160 x 115 mm
Mounting depth	110 mm
Radiation angle (vert./hor.)	60°/90°
Dimensions	194 x 155 x 114 mm
Weight	170 g





MRH-170

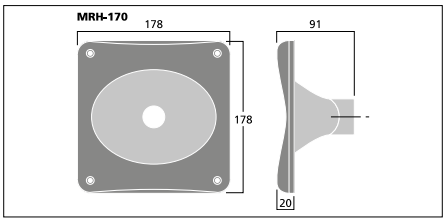
Order No. 10.5890

NEW

PA mid-high range horn

- Horn made of ABS plastic
- Driver connection via 35 mm (1⅜") standard thread
- Consistent radiation pattern
- Recommended crossover frequency: 1.5 kHz
- Can be mounted turned by 90°

Model	MRH-170
Frequency range	1,000-20,000 Hz
Mounting cutout	Ø 155 mm
Mounting depth	86 mm
Radiation angle (vert./hor.)	50°/80°
Dimensions	178 x 178 x 88 mm
Weight	0.2 kg



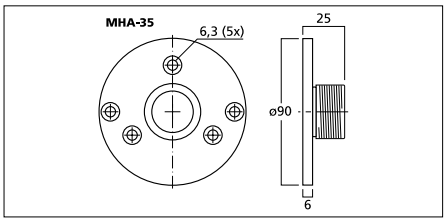


MHA-35

Order No. 12.9920

Screw adapter

- For general connection of horn drivers and horns
- Aluminium version
- 35 mm (1⅜") standard thread



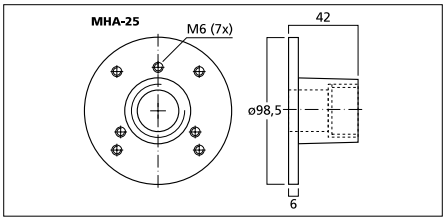


MHA-25

Order No. 11.2000

Screw adapter

- For general connection of horn drivers with 35 mm (1⅜") standard thread and 25 mm (1") horns with flange connection
- Aluminium version





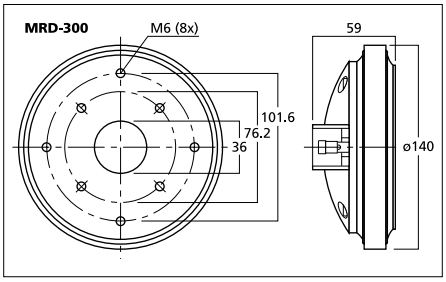
MRD-300

Order No. 10.5580

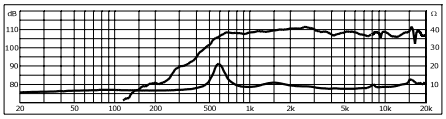
1.4 | 63.7 mm | 200 W MAX

PA horn driver, 100 W, 8 Ω

- 35.5 mm (1.4") high-tech horn driver with ferrite magnetic system
- Titanium cone with 63.7 mm (2.5") voice coil
- Extensive, extra linear frequency response and very high sound pressure with lowest distortions
- 4-hole mounting flange (mounting hole diameter: 101.6 mm)
- Suitable for horn MRH-300



MRD-300 (10.5580)





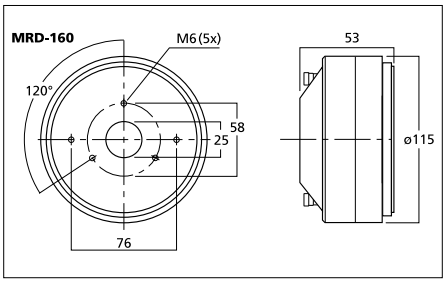
MRD-160

Order No. 10.4370

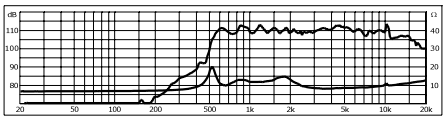
1 | 44.5 mm | 150 W MAX

PA mid-high range driver, 60 W, 8 Ω

- 25 mm (1") top-class professional driver
- Reproduction of high efficiency and very linear frequency response
- Very compact size, high power capability
- For PA speaker systems of high requirements, perfectly suitable for combination with 30 cm and 25 cm (12" and 10") bass speakers
- Replacement voice coil SP-30PAX/VC is available at option
- Suitable for horns MRH-200 and MRH-180



MRD-160 (10.4370)





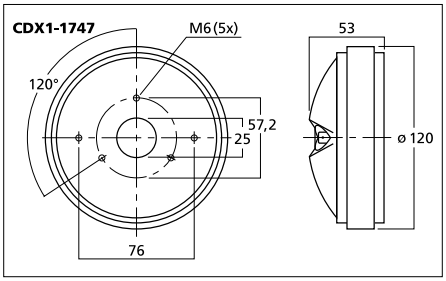
CDX1-1747

Order No. 10.5850

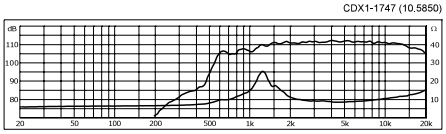
1 | 44.5 mm | 120 W MAX

PA horn driver, 60 W, 8 Ω

- 25 mm (1") high-quality horn driver with ferrite magnet
- Modern Finite Element Analysis (FEA)
- Standard 2-hole and 3-hole screw mounting
- Wide and extra linear frequency response up to 20,000 Hz
- Very high sound pressure level with lowest distortions
- Also very well-suited for hi-fi applications with a crossover frequency from 1,000 Hz on
- Ideally suited for horns MRH-200 and MRH-180



CDX1-1747 (10.5850)



CELESTION



Model	MRD-300	MRD-160	CDX1-1747
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	fx-19,000 Hz	fx-18,000 Hz	1,000-20,000 Hz
Resonant frequency (fs)	800 Hz	750 Hz	-
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	1,200 Hz	2,000 Hz	2,000 Hz (PA), 1,000 Hz (hi-fi)
Power rating	100 W	60 W	60 W
Peak music power output	200 W	150 W	120 W
Sensitivity	110 dB/W/m	109 dB/W/m	110 dB/W/m
Radiation angle	dep. on horn	dep. on horn	dep. on horn
Voice coil diameter	Ø 63.7 mm	Ø 44.4 mm	Ø 44 mm
Magnet diameter	Ø 140 mm	Ø 110 mm	Ø 122 mm
Mounting cutout	dep. on horn	dep. on horn	dep. on horn
Mounting depth	dep. on horn	dep. on horn	dep. on horn
Dimensions	Ø 140 mm x 59 mm	Ø 115 mm x 53 mm	Ø 122 mm x 53 mm
Weight	2.18 kg	1.7 kg	1.96 kg

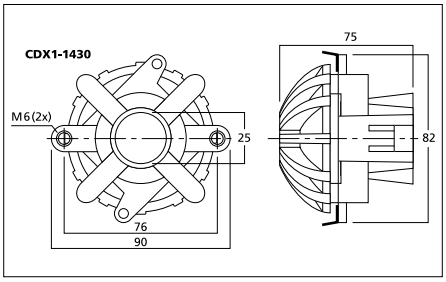
CDX1-1430

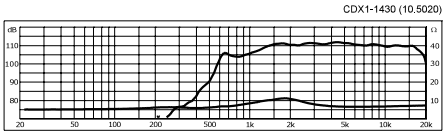
Order No. 10.5020

1 | 34.5 mm | 100 W MAX

PA horn driver, 50 W, 8 Ω

- 25 mm (1") horn driver
- Standard 2-hole screw mounting
- Neodymium drive system with cooling
- Wide and extra linear frequency response
- Very high sound pressure level with lowest distortions
- From approx. 3,000 Hz already, this driver provides a very high-quality sound in 2-way arrangements, even with 38 cm (15") bass speakers
- Suitable for horns MRH-200 and MRH-180







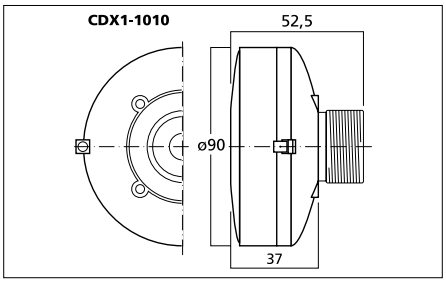
CDX1-1010

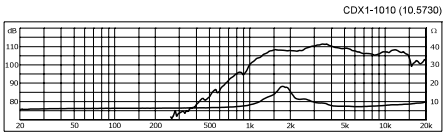
Order No. 10.5730

1 | 25 mm | 50 W MAX

PA horn driver, 15 W, 8 Ω

- 25 mm (1") horn driver with ferrite magnets
- Computer-aided FEA for optimising magnet and acoustic system
- One-piece, deformation-resistant PETP cone of special design with 25 mm voice coil
- Linear and wide frequency response, high sound pressure level with low distortions
- 35 mm (1⅜") standard thread
- Suitable for horns MRH-83, MRH-80, MRH-170; with adapter MHA-25 also for others







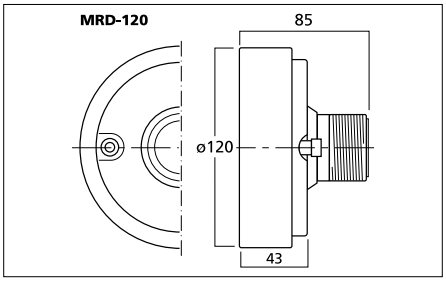
MRD-120

Order No. 10.4110

1 | 34.5 mm | 100 W MAX

PA horn driver, 50 W, 8 Ω

- 35 mm (1⅜") standard thread
- Good, extensive frequency response linearity
- High sound pressure level with low distortions
- Excellent allround driver for almost any PA application, also in combination with 38 cm (15") bass-midrange speakers or in any multi-way system, of course
- Replacement voice coil MRD-120/VC is available at option
- Suitable for horns MRH-83, MRH-170 and MRH-80





Model	CDX1-1430	CDX1-1010	MRD-120
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	fx-20,000 Hz	fx-20,000 Hz	fx-17,500 Hz
Resonant frequency (fs)	2,000 Hz	1,900 Hz	1,300 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	2,500 Hz	2,200 Hz	3,000 Hz
Power rating	50 W	15 W	50 W
Peak music power output	100 W	50 W	100 W
Sensitivity	108 dB/W/m	107 dB/W/m	107 dB/W/m
Radiation angle	dep. on horn	-	dep. on horn
Voice coil diameter	Ø 35 mm	Ø 25 mm	Ø 38 mm
Magnet diameter	Ø 75 mm	Ø 90 mm	Ø 120 mm
Mounting cutout	dep. on horn	dep. on horn	dep. on horn
Mounting depth	dep. on horn	dep. on horn	dep. on horn
Dimensions	Ø 75 mm x 75 mm	Ø 90 mm x 52.5 mm	Ø 120 mm x 85 mm
Weight	0.495 kg	0.835 kg	1.724 kg

Full specifications can be found on our website www.monacor-international.de.

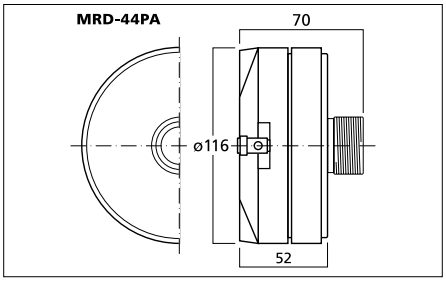
MRD-44PA

Order No. 10.5310



PA horn driver, 45 W, 8 Ω

- 35 mm (1⅜") standard thread
- Component of the speakers PAB-115MK2 and PAK-115MK2
- Matching replacement voice coil PAB-115/VC available at option
- Suitable for horns MRH-83, MRH-170 and MRH-80





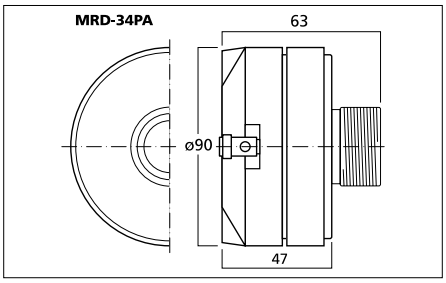
MRD-34PA

Order No. 10.5300



PA horn driver, 35 W, 8 Ω

- 35 mm (1⅜") standard thread
- Component of the speakers PAB-108MK2, PAB-110MK2 and PAB-112MK2 as well as of the matching PAK speakers
- Matching replacement voice coil PAB-128/VC available at option
- Suitable for horns MRH-120, MRH-83, MRH-170 and MRH-80





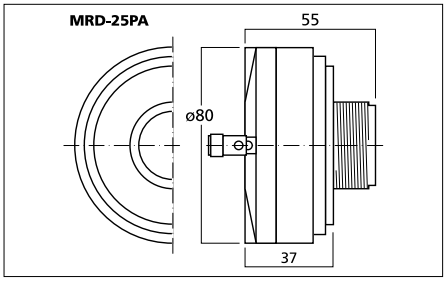
MRD-25PA

Order No. 10.1900



PA horn driver, 25 W, 8 Ω

- 25 mm (1") compact horn driver with ferrite magnets
- Titanium cone with 25 mm voice coil
- 35 mm (1⅜") standard thread
- Suitable for horns MRH-83, MRH-80, MRH-170; with adapter MHA-25 also for others
- Matching replacement voice coil MRD-25PA/VC available at option





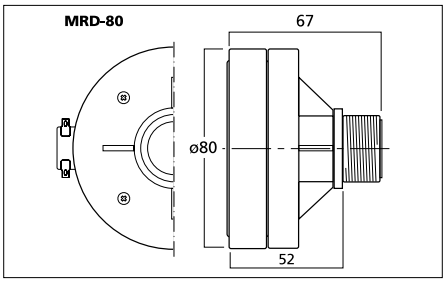
MRD-80

Order No. 10.4360



PA horn driver, 30 W, 8 Ω

- PA tweeter driver with 35 mm (1⅜") standard thread
- Very compact size
- High efficiency
- Suitable for horns MRH-83, MRH-170 and MRH-80





Model	MRD-44PA	MRD-34PA	MRD-25PA	MRD-80
Impedance (Z)	8 Ω	8 Ω	8 Ω	8 Ω
Frequency range	fx-20,000 Hz	fx-20,000 Hz	fx-20,000 Hz	fx-17,500 Hz
Resonant frequency (fs)	2 kHz	1.2 kHz	2 kHz	2 kHz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	3,500 Hz	4,000 Hz	4,000 Hz	5,000 Hz
Power rating	45 W	35 W	25 W	30 W
Peak music power output	90 W	70 W	50 W	60 W
Sensitivity	105 dB/W/m	104 dB/W/m	100 dB/W/m	107 dB/W/m
Radiation angle	dep. on horn	dep. on horn	dep. on horn	dep. on horn
Voice coil diameter	Ø 44.5 mm	Ø 34.5 mm	Ø 100 mm	Ø 25.5 mm
Magnet diameter	Ø 110 mm	Ø 87 mm	Ø 78 mm	Ø 80 mm
Mounting cutout	dep. on horn	dep. on horn	dep. on horn	dep. on horn
Mounting depth	dep. on horn	dep. on horn	dep. on horn	dep. on horn
Dimensions	Ø 116 mm x 70 mm	Ø 90 mm x 63 mm	Ø 80 mm x 55 mm	-
Weight	1.472 kg	0.945 kg	0.673 kg	720 g

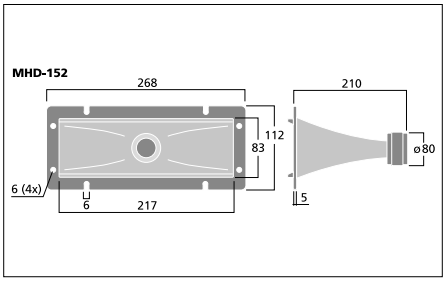
MHD-152

Order No. 10.4070

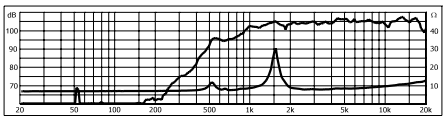


PA mid-high range horn speaker, 75 W, 8 Ω

- Linear frequency response
- Excellent dynamic characteristics for a wide range of PA applications
- Robust diecast aluminium horn
- Replacement voice coil MHD-152/VC is available at option



MHD-152 (10.4070)





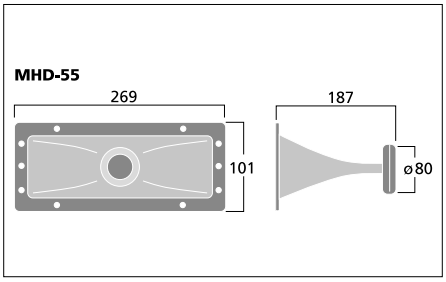
MHD-55

Order No. 10.0240

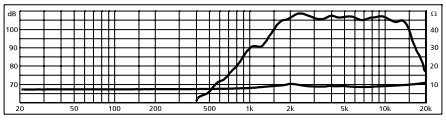


PA horn tweeter, 30 W, 8 Ω

- Plastic version
- Good efficiency
- Wide bandwidth, suitable for general PA applications
- Replacement voice coils are available at option (MHD-1255/VC)



MHD-55 (10.0240)





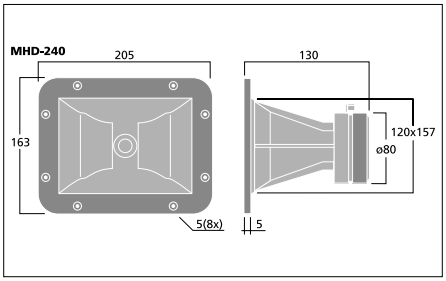
MHD-240

Order No. 10.3890

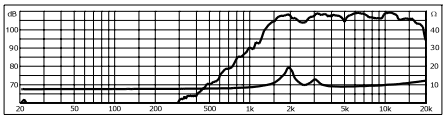


PA horn tweeter, 40 W, 8 Ω

- CD horn tweeter (constant directivity)
- Very wide bandwidth reproduction
- Very good medium efficiency
- Special horn design
- Diecast reflector in front of the cone
- Highly consistent radiation pattern
- Suitable for any PA application
- Replacement voice coil MHD-230/VC is available at option



MHD-240 (10.3890)





Model	MHD-152	MHD-55	MHD-240
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	fx-20,000 Hz	fx-15 kHz	fx-20,000 Hz
Resonant frequency (fs)	1.5 kHz	2 kHz	2 kHz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	3.5 kHz	3,000 Hz	3.5 kHz
Power rating	75 W	30 W	40 W
Peak music power output	150 W	55 W	80 W
Sensitivity	105 dB/W/m	103 dB/W/m	107 dB/W/m
Radiation angle	40°/90°	45°/90°	40°/90°
Voice coil diameter	Ø 34.5 mm	Ø 24.6 mm	Ø 25 mm
Magnet diameter	Ø 80 mm	Ø 80 mm	Ø 80 mm
Mounting cutout	237 x 83 mm	240 x 80 mm	120 x 157 mm
Mounting depth	220 mm	187 mm	130 mm
Dimensions	268 x 112 x 210 mm	269 x 101 x 187 mm	205 x 163 x 130 mm
Weight	1.165 kg	0.88 kg	1.135 kg

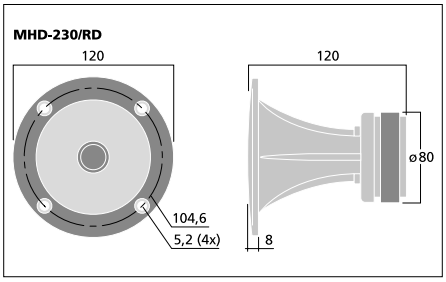
MHD-230/RD

Order No. 10.3430

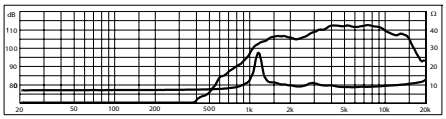


PA horn tweeter, 40 W, 8 Ω

- Round horn of perfect workmanship
- Extra high efficiency
- Excellent radiation
- Suitable for any DJ and PA application up to professional use
- Replacement voice coil MHD-230/VC is available at option



MHD-230/RD (10.3430)





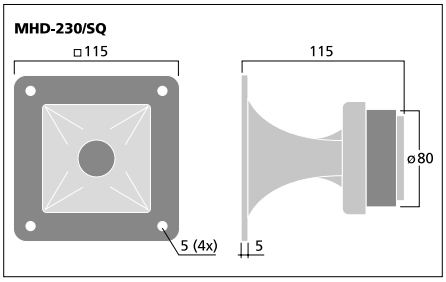
MHD-230/SQ

Order No. 10.3440

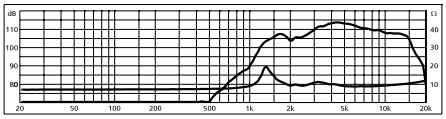


PA horn tweeter, 40 W, 8 Ω

- Square horn of perfect workmanship
- Extra high efficiency
- Excellent radiation
- Suitable for any DJ and PA application up to professional use
- Replacement voice coil MHD-230/VC is available at option



MHD-230/SQ (10.3440)





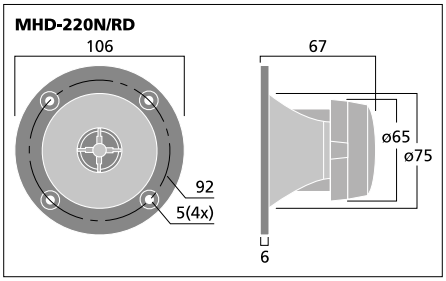
MHD-220N/RD

Order No. 10.5080

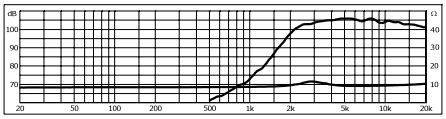


PA horn tweeter, 30 W, 8 Ω

- Very compact and lightweight horn tweeter
- NEODYMIUM drive system with ferrofluid cooling
- Titanium cone
- Round ABS plastic horn front attachment with a very linear reproduction of low distortion
- High efficiency
- Interesting tweeter for DJ and PA applications
- For speaker systems of high efficiency in PA applications and hi-fi systems



MHD-220N/RD (10.5080)





Model	MHD-230/RD	MHD-230/SQ	MHD-220N/RD
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	fx-16,000 kHz	fx-16000	fx-20,000 Hz
Resonant frequency (fs)	1,100 Hz	1,300 Hz	2.3 kHz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	4,000 Hz	4,000 Hz	5,000 Hz
Power rating	40 W	40 W	30 W
Peak music power output	80 W	80 W	75 W
Sensitivity	109 dB/W/m	110 dB/W/m	104 dB/W/m
Radiation angle	60°/60°	60°/60°	75°/75°
Voice coil diameter	Ø 25 mm	Ø 25 mm	Ø 25 mm
Magnet diameter	Ø 80 mm	Ø 80 mm	Ø 65 mm
Mounting cutout	Ø 90 mm	90 x 90 mm	Ø 75 mm
Mounting depth	120 mm	115 mm	61 mm
Dimensions	Ø 120 mm	115 x 115 x 115 mm	Ø 106 mm x 67 mm
Weight	0.9 kg	0.9 kg	220 g

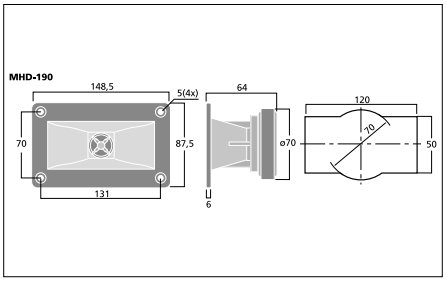
MHD-190

Order No. 10.3710

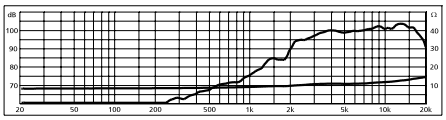
1 | 25 mm | 50 W MAX

PA horn tweeter 25 W, 8 Ω

- 25.4 mm (1") voice coil
- 100 dB medium sound pressure
- Very good linearity
- Deep low limit frequency
- Perfect solution for many PA applications



MHD-190 (10.3710)





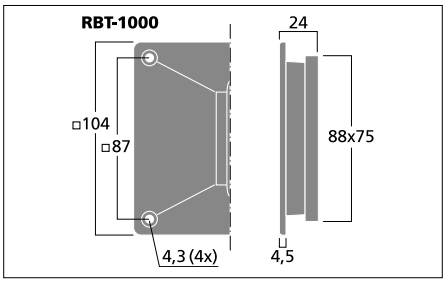
RBT-1000

Order No. 10.1610

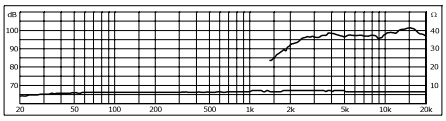
80 W MAX

Ribbon tweeter for PA and hi-fi, 40 W, 6 Ω

- Magnetostatic speaker with waveguide
- Tweeter system from the L-RAY/1000
- Fine and brilliant reproduction of the high range
- For use from 3,000 Hz (hi-fi) or 4,000 Hz (PA) on via 18 dB filter
- Diecast aluminium horn front attachment, neodymium magnet
- Vertical or horizontal mounting possible due to square front panel



RBT-1000 (10.1610)





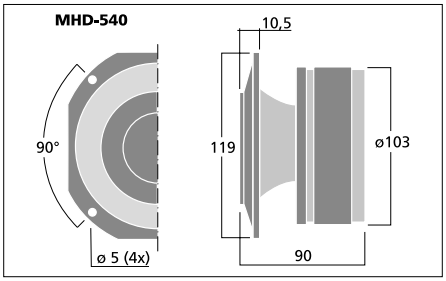
MHD-540

Order No. 10.4230

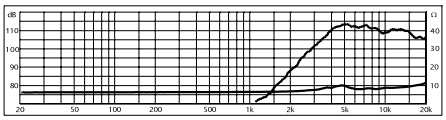
44.5 mm | 100 W MAX

Professional PA ring radiator, 50 W, 8 Ω

- Extra high efficiency
- Excellent frequency linearity
- Titanium cone with aluminium flat wire voice coil
- Double magnet for a perfect dynamic response and optimum sound characteristics
- Suitable for use in PA combinations of highest power capability and efficiency
- Matching replacement voice coil MHD-540/VC is available at option



MHD-540 (10.4230)





Model	MHD-190	RBT-1000	MHD-540
Impedance (Z)	8 Ω	6 Ω	8 Ω
Frequency range	fx-20 kHz	fx-22,000 Hz	fx-22,000 Hz
Resonant frequency (fs)	2.2 kHz	1.6 kHz	3 kHz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	4,000 Hz	> 2,500 Hz	5,000 Hz
Power rating	25 W	40 W	50 W
Peak music power output	50 W	80 W	100 W
Sensitivity	100 dB/W/m	96 dB/W/m	110 dB/W/m
Radiation angle	40°/90°	-	60°/60°
Voice coil diameter	Ø 25 mm	-	Ø 44.5 mm
Magnet diameter	Ø 70 mm	magnetostatic speaker	Ø 103 mm
Mounting cutout	120 x 70 mm	94 x 94 mm	Ø 105 mm
Mounting depth	65 mm	24 mm	93 mm
Dimensions	148.5 x 87.5 x 64 mm	104 x 104 x 24 mm	119 x 119 x 90 mm
Weight	0.5 kg	237 g	2.6 kg

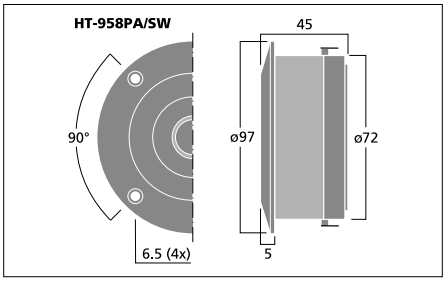
HT-958PA/SW

Order No. 10.2450

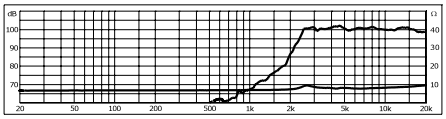
25 mm | 60 W MAX

Ring radiator tweeter, 30 W, 8 Ω

- For PA and hi-fi
- High efficiency
- Very wide bandwidth radiation with an excellent linearity



HT-958PA/SW (10.2450)





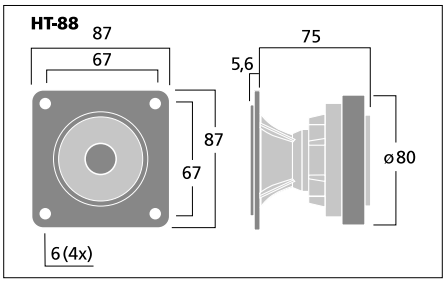
HT-88

Order No. 10.3170

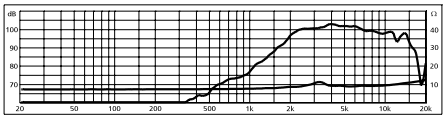
100 W MAX | FERRO FLUID

PA horn tweeter, 50 W, 8 Ω

- Very linear and wide bandwidth radiation
- High efficiency
- Ferrofluid-cooled and ferrofluid-vaporised



HT-88 (10.3170)





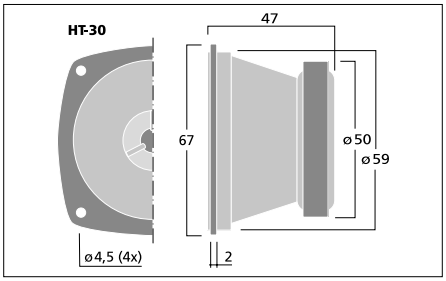
HT-30

Order No. 10.0190

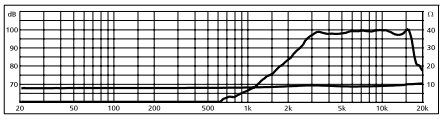
100 W MAX | FERRO FLUID

Miniature PA horn tweeter, 50 W, 8 Ω

- Linear and wide bandwidth reproduction
- High power capability due to ferrofluid



HT-30 (10.0190)



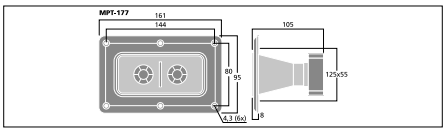


Model	HT-958PA/SW	HT-88	HT-30
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	fx-20 kHz	fx-18 kHz	fx-20 kHz
Resonant frequency (fs)	2.2 kHz	2.5 kHz	2 kHz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	5 kHz	4 kHz	5 kHz
Power rating	30 W	50 W	50 W
Peak music power output	60 W	100 W	100 W
Sensitivity	101 dB/W/m	99 dB/W/m	98 dB/W/m
Radiation angle	45°/45°	60°/60°	60°/60°
Voice coil diameter	Ø 25.4 mm	Ø 25 mm	Ø 12 mm
Magnet diameter	Ø 72 mm	Ø 80 mm	Ø 50 mm
Mounting cutout	-	Ø 82 mm	Ø 59 mm
Mounting depth	45 mm	75 mm	45 mm
Dimensions	Ø 97 mm x 45 mm	87 x 87 x 75 mm	67 x 67 x 47 mm
Weight	0.525 kg	670 g	0.19 kg

MPT-177
Order No. 11.0540

Piezo tweeter
- Very high sound pressure level
- Consistent frequency response

Model	MPT-177
Impedance (Z)	> 1,000 Ω
Frequency range	3,500-20,000 Hz
Peak music power output	225 W (8 Ω system) 115 W (4 Ω system)
Sensitivity	99 dB/W/m
Max. voltage	~ 30 V
Radiation angle	V: 60°/H: 30°
Mounting cutout	125 x 55 mm
Mounting depth	97 mm
Dimensions	161 x 95 x 105 mm
Weight	200 g

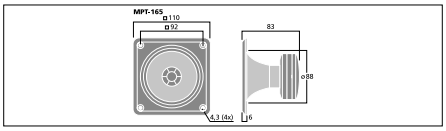




MPT-165
Order No. 11.0530

Piezo tweeter
- Bullet type
- Deep low limit frequency

Model	MPT-165
Impedance (Z)	> 1,000 Ω
Frequency range	1,800-20,000 Hz
Peak music power output	225 W (8 Ω system) 115 W (4 Ω system)
Sensitivity	93 dB/W/m
Max. voltage	~ 30 V
Radiation angle	V: 45°/H: 45°
Mounting cutout	Ø 88 mm
Mounting depth	80 mm
Dimensions	110 x 110 x 83 mm
Weight	0.083 kg

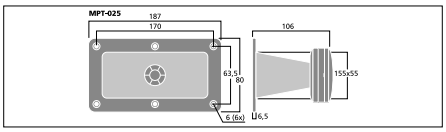




MPT-025
Order No. 11.0500

Piezo tweeter
- Large rectangular design
- Deep low limit frequency

Model	MPT-025
Impedance (Z)	> 1,000 Ω
Frequency range	3,000-20,000 Hz
Peak music power output	225 W (8 Ω system) 115 W (4 Ω system)
Sensitivity	92 dB/W/m
Max. voltage	~ 30 V
Radiation angle	V: 45°/H: 90°
Mounting cutout	155 x 55 mm
Mounting depth	100 mm
Dimensions	187 x 80 x 106 mm
Weight	94 g

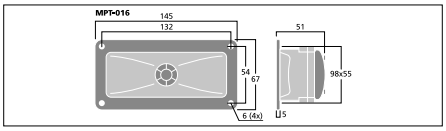




MPT-016
Order No. 11.0490

Piezo tweeter
- Compact rectangular design

Model	MPT-016
Impedance (Z)	> 1,000 Ω
Frequency range	3,000-20,000 Hz
Peak music power output	225 W (8 Ω system) 115 W (4 Ω system)
Sensitivity	91 dB/W/m
Max. voltage	~ 30 V
Radiation angle	V: 45°/H: 90°
Mounting cutout	98 x 55 mm
Mounting depth	50 mm
Dimensions	145 x 67 x 51 mm
Weight	56 g





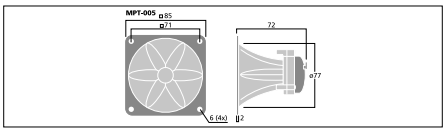
Full specifications can be found on our website www.monacor-international.de.

MPT-005

Order No. 11.0480

Piezo tweeter

Model	MPT-005
Impedance (Z)	> 1,000 Ω
Frequency range	4,000-20,000 Hz
Peak music power output	225 W (8 Ω system) 115 W (4 Ω system)
Sensitivity	94 dB/W/m
Max. voltage	~ 30 V
Mounting cutout	Ø 77 mm
Mounting depth	72 mm
Dimensions	85 x 85 x 72 mm
Weight	55 g



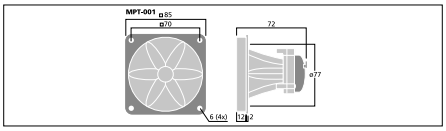


MPT-001

Order No. 11.0470

Piezo tweeter

Model	MPT-001
Impedance (Z)	> 1,000 Ω
Frequency range	4,000-20,000 Hz
Peak music power output	225 W (8 Ω system) 115 W (4 Ω system)
Sensitivity	94 dB/W/m
Max. voltage	~ 30 V
Mounting cutout	Ø 77 mm
Mounting depth	60 mm
Dimensions	85 x 85 x 72 mm
Weight	60 g





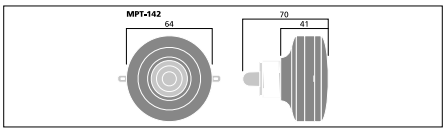
MPT-142

Order No. 11.0510

Piezo tweeter driver

- 3.5 cm (1⅜") standard thread

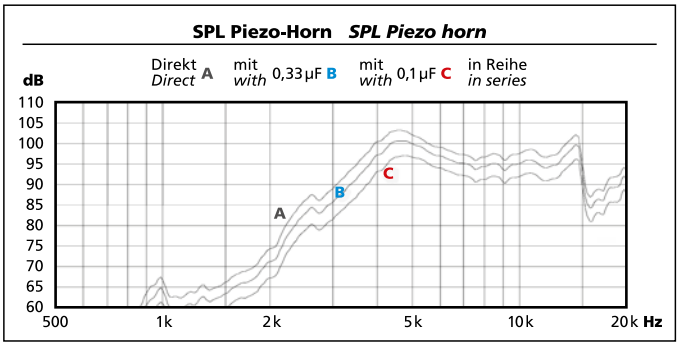
Model	MPT-142
Impedance (Z)	> 1,000 Ω
Frequency range	1,800-20,000 Hz
Peak music power output	225 W (8 Ω system) 115 W (4 Ω system)
Sensitivity	92 dB/W/m
Max. voltage	~ 30 V
Radiation angle	dep. on horn
Dimensions	Ø 64 mm x 70 mm
Weight	60 g





Basic Information on Piezo Tweeters

Due to the high sound pressure, piezo tweeters are especially suitable for basic high-performance speaker systems, as they are used for stage applications or PA systems. Due to the piezo principle, these tweeters can be operated without a crossover network. For this system, please observe the max. admissible AC voltage. This voltage determines the power capability of the 4 Ω or 8 Ω bass system connected in parallel according to the impedance. At max. 30 Veff and 4 Ω, the music power of the system is e.g. 225 W. With the same voltage and 8 Ω it is approx. 115 W.
The piezo systems can directly be connected in parallel with the subwoofer, a series resistor of approx. 20-50 Ω (10-20 W) or a capacitor of approx. 0.47-0.1 µF (MTK) is recommended to avoid interfering effects and for level matching. The piezo systems can be connected in parallel or in series with each other as desired.



MRD-200/VC
Order No. 12.8510

44.5 mm

Replacement voice coil, high-quality workmanship, for MRD-200.



SP-30PAX/VC
Order No. 12.8800

44.5 mm

Replacement voice coil, high-quality workmanship, for SP-30PAX, PAB-515/BL and PAB-512/BL as well as MRD-180, MRD-160.



MRD-140/VC
Order No. 12.8500

34.5 mm

Replacement voice coil, high-quality workmanship, for MRD-140.



MRD-120/VC
Order No. 12.9320

34.5 mm

Replacement voice coil, high-quality workmanship, for MRD-120.



MHD-172/VC
Order No. 12.2040

34.5 mm

Replacement voice coil, high-quality workmanship, for MHD-172, MHD-170, MHD-142 and MHD-140.



MHD-152/VC
Order No. 12.9200

34.5 mm

Replacement voice coil, high-quality workmanship, for MHD-152.



MHD-1255/VC
Order No. 12.1740

24.6 mm

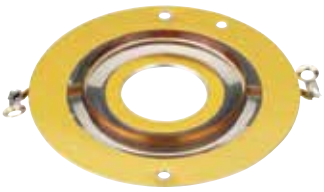
Replacement voice coil, high-quality workmanship, for MHD-55 and MHD-120.



MHD-540/VC
Order No. 12.9370

44.5 mm

Replacement voice coil, for MHD-540.



MHD-230/VC
Order No. 12.8480

25 mm

Replacement voice coil, for MHD-230/RD, MHD-230/SQ and MHD-240.



MRD-25/VC
Order No. 10.2010

25 mm

Replacement voice coil, with titanium cone, for MRD-25PA.



PAB-115/VC
Order No. 11.1310

44.5 mm

Replacement voice coil, for tweeters of the speaker systems PAB-115MK2, PAK-115MK2 and PAB-215MK2, PAB-212MK2, PAB-112MK2 and PAK-112MK2 (from June 2015).



PAB-128/VC
Order No. 11.1320

34.5 mm

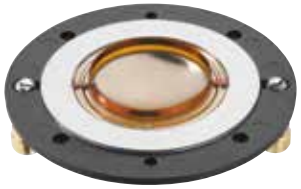
Replacement voice coil, for tweeters of the speaker systems PAB-108MK2, PAB-110MK2, PAK-108MK2, PAK-110MK2, PAB-112MK2 and PAK-112MK2 (until June 2015).



PAB-125/VC
Order No. 11.1120

34.5 mm

Replacement voice coil, for tweeters of the speaker systems PAB-115/SW and PAB-112/SW.



Full specifications can be found on our website www.monacor-international.de.

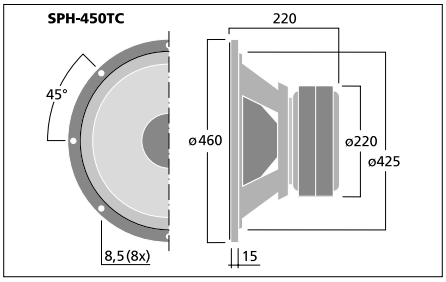
SPH-450TC

Order No. 10.3270

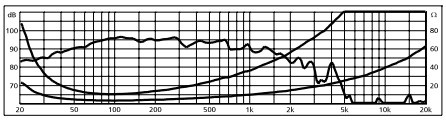


Subwoofer, 2 x 350 W, 2 x 4 Ω

- Dual voice coil bass speaker of highest power capability
- Incredible bass pressure from amazingly small cabinets
- Extensive ventilation of the voice coil
- High-quality inverse cone
- Diecast basket, gold-plated terminals
- Extra long excursion
- Double centering spider
- For subwoofer applications of highest requirements



SPH-450TC (10.3270)





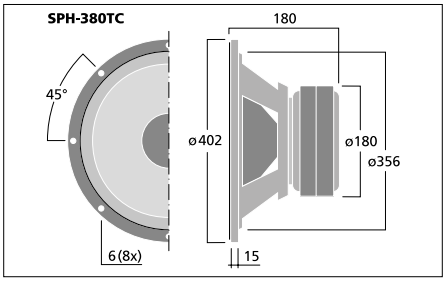
SPH-380TC

Order No. 10.3260

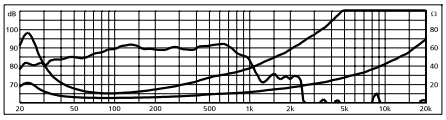


Subwoofer, 2 x 250 W, 2 x 4 Ω

- 40 cm (15") subwoofer of highest power capability, dual voice coil technology
- Extra small volume requirements
- Robust complete cone with new geometry for highest rigidity and an excellent dynamic response
- Extra long excursion
- Rubber surround
- Extensive air gap ventilation
- For general subwoofer applications, from home cinema to compact DJ subwoofers



SPH-380TC (10.3260)





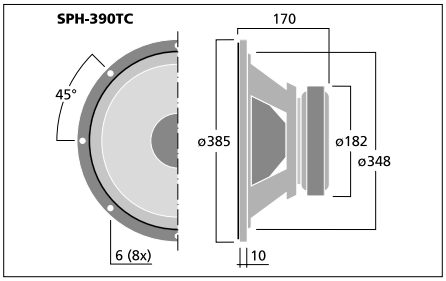
SPH-390TC

Order No. 10.1520

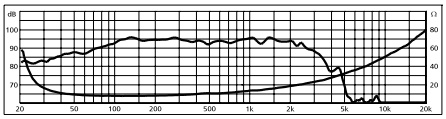


Hi-fi subwoofer, 2 x 150 W, 2 x 8 Ω

- High-performance speaker with dual voice coil
- Robust sheet steel basket
- Carbonised PP cone
- Capable of a very great linear excursion
- Parameters for extra powerful and deep bass reproductions in bass-reflex cabinets



SPH-390TC (10.1520)





Model	SPH-450TC	SPH-380TC	SPH-390TC
Impedance (Z)	2 x 4 Ω	2 x 4 Ω	2 x 8 Ω
Frequency range	f3-1,500 Hz	f3-800 Hz	f3-1,500 Hz
Resonant frequency (fs)	20 Hz	21.5 Hz	23 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	400 Hz	-	-
Power rating	2 x 350 W	2 x 250 W	2 x 150 W
Peak music power output	2 x 500 W	2 x 400 W	2 x 300 W
Sensitivity	93 dB/W/m	89 dB/W/m	96 dB/W/m
Suspension compl. (Cms)	0.22 mm/N	0.28 mm/N	0.3 mm/N
Moving mass (Mms)	305 g	199.5 g	160 g
Mech. Q factor (Qms)	2.97	2.81	6.36
Electr. Q factor (Qes)	0.27	0.31	0.29
Total Q factor (Qts)	0.25	0.28	0.26
Equivalent volume (Vas)	480 l	275 l	284 l
DC resistance (Re)	2 x 3.7 Ω/1 x 7.4 Ω	2 x 3.6 Ω/1 x 7.2 Ω	2 x 6 Ω/3 Ω
Force factor (BxL)	32.4 Tm	25 Tm	16.72 Tm
Voice coil induct. (Le)	2 x 1.1 mH/1 x 4.6 mH	2 x 1.1 mH/1 x 4.4 mH	2 x 1.3 mH/1.3 mH
Voice coil diameter	Ø 99.3 mm	Ø 75.5 mm	Ø 65.5 mm
Voice coil former	aluminium	aluminium	Kapton
Linear excursion (X_{MAX})	± 12.9 mm	± 11.1 mm	± 7 mm
Eff. cone area (Sd)	1,250 cm^2	845 cm^2	850 cm^2
Magnet weight	5.7 kg	3.7 kg	1.8 kg
Weight	17 kg	10.62 kg	6.78 kg

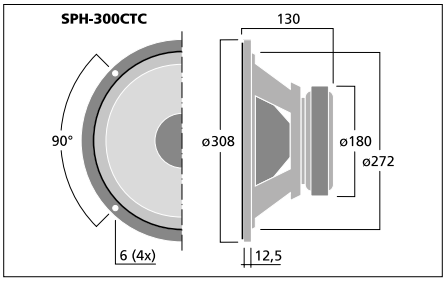
SPH-300CTC

Order No. 10.1830

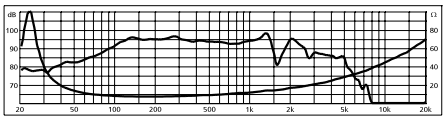
Hi-fi subwoofer, 2 x 150 W, 2 x 8 Ω

- High-end speaker with diecast basket
- Dual voice coil
- Carbon fibre cone
- Powerful bass reproduction from bass-reflex cabinets or an especially dry, pulsed sound from very small closed cabinets
- For hi-fi, home cinema and top car hi-fi

Thiele Small parameters and sound pressure curves for voice coils in parallel or series connection.



SPH-300CTC (10.1830)



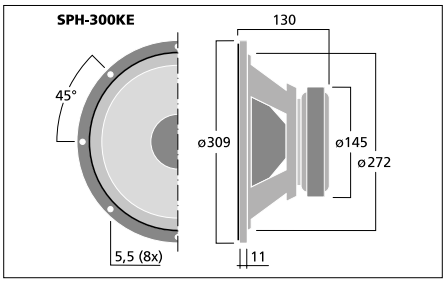


SPH-300KE

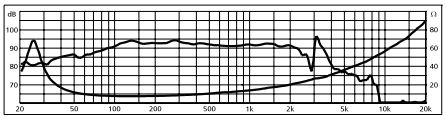
Order No. 10.2390

Top hi-fi bass speaker, 120 W, 8 Ω

- Finely textured Kevlar fibre cone
- Aluminium diecast basket
- Drive of very long excursion
- A very deep bass reproduction in bass-reflex cabinets
- Clear pulsed reproduction and yet a deep bass reproduction in closed cabinets
- For any hi-fi and high-end application



SPH-300KE (10.2390)



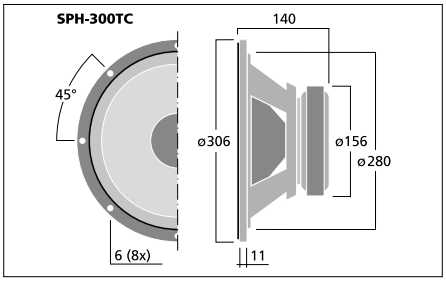


SPH-300TC

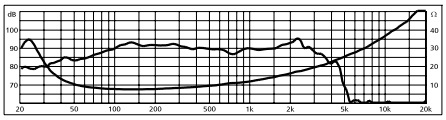
Order No. 10.1460

Hi-fi subwoofer, 2 x 120 W, 2 x 8 Ω

- Stabilised polypropylene cone
- Dual voice coil
- Perfect parameters for a deep bass reproduction in compact bass-reflex cabinets and band-pass cabinets
- For any hi-fi, home cinema and car hi-fi application of high requirements



SPH-300TC (10.1460)





Model	SPH-300CTC	SPH-300KE	SPH-300TC
Impedance (Z)	2 x 8 Ω	8 Ω	2 x 8 Ω
Frequency range	f3-2,500 Hz	f3-2,200 Hz	f3-2,000 Hz
Resonant frequency (fs)	18 Hz	22 Hz	23 Hz
Power rating	2 x 150 W	120 W	2 x 120 W
Peak music power output	2 x 250 W	200 W	2 x 250 W
Sensitivity	92 dB/W/m	90 dB/W/m	91 dB/W/m
Suspension compl. (Cms)	0.75 mm/N	0.81 mm/N	0.85 mm/N
Moving mass (Mms)	100 g	65 g	68 g
Mech. Q factor (Qms)	6.50	4.15	3.03
Electr. Q factor (Qes)	0.20	0.36	0.26
Total Q factor (Qts)	0.19	0.33	0.24
Equivalent volume (Vas)	225 l	250 l	290 l
DC resistance (Re)	2 x 6 Ω/3 Ω	6.2 Ω	2 x 6.3 Ω/3.2 Ω
Force factor (BxL)	12.1 Tm	12.5 Tm	10.3 Tm
Voice coil induct. (Le)	2 x 1.1 mH/1.1 mH	1.5 mH	2 x 1.0 mH/1.0 mH
Voice coil diameter	Ø 62 mm	Ø 65.5 mm	Ø 50 mm
Voice coil former	Kapton	glass fibre	aluminium
Linear excursion (X_{MAX})	Ø 5.4 mm	± 6.5 mm	± 4 mm
Eff. cone area (Sd)	495 cm^2	496 cm^2	495 cm^2
Magnet weight	1.8 kg	1.2 kg + 79 g	1.4 kg
Weight	6.32 kg	4.3 kg	4.245 kg

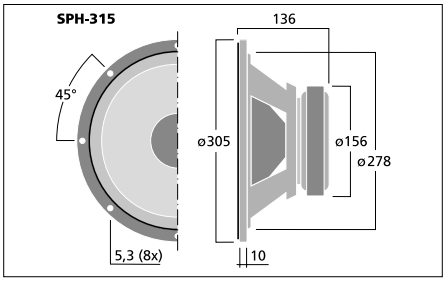
SPH-315

Order No. 10.0910

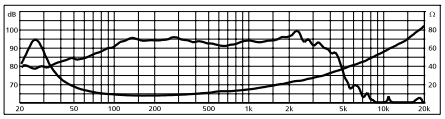
12 | 200 W MAX

Hi-fi bass speaker, 100 W, 8 Ω

- Multi-purpose speaker of high power capability
- 8-hole screw connection
- Long-term stable rubber surround
- Powerful bass reproduction from medium-sized bass-reflex cabinets



SPH-315 (10.0910)





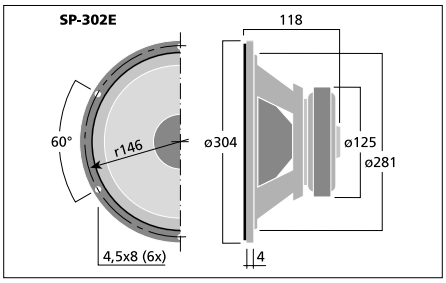
SP-302E

Order No. 10.4000

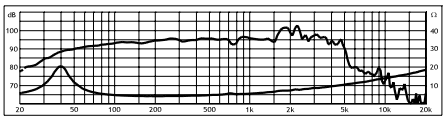
12 | 200 W MAX

Hi-fi bass-midrange speaker, 100 W, 4 Ω

- Multi-purpose speaker
- Foam surround
- Replacement speaker for closed cabinets



SP-302E (10.4000)





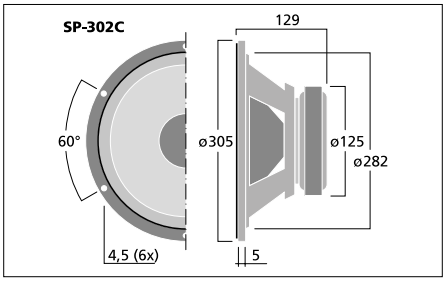
SP-302C

Order No. 10.2820

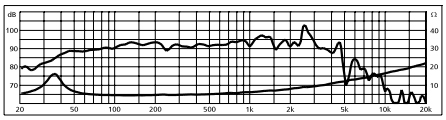
12 | 300 W MAX

Car hi-fi subwoofer, 150 W, 4 Ω

- 30 cm (12") subwoofer
- Coated cone
- Also suitable as a bass addition for free air applications
- Protruding lower pole plate for an even longer excursion
- Low resonance up to midrange



SP-302C (10.2820)





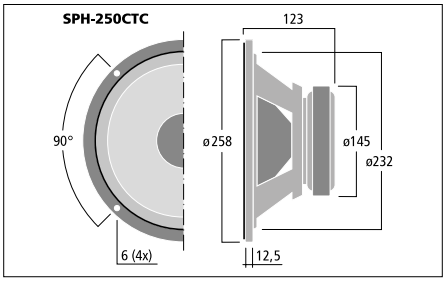
Model	SPH-315	SP-302E	SP-302C
Impedance (Z)	8 Ω	4 Ω	4 Ω
Frequency range	f3-2,000 Hz	f3-5,500 Hz	f3-3,000 Hz
Resonant frequency (fs)	22 Hz	39 Hz	33 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	-	-	2,000 Hz
Power rating	100 W	100 W	150 W
Peak music power output	200 W	200 W	300 W
Sensitivity	92 dB/W/m	95 dB/W/m	93 dB/W/m
Suspension compl. (Cms)	0.95 mm/N	0.39 mm/N	0.39 mm/N
Moving mass (Mms)	55 g	40 g	62 g
Mech. Q factor (Qms)	2.40	4.24	4.19
Electr. Q factor (Qes)	0.26	0.87	0.71
Total Q factor (Qts)	0.24	0.72	0.61
Equivalent volume (Vas)	330 l	141 l	155 l
DC resistance (Re)	6.1 Ω	3.6 Ω	3.7 Ω
Force factor (BxL)	13.4 Tm	6.63 Tm	7.99 Tm
Voice coil induct. (Le)	1.5 mH	1.1 mH	0.4 mH
Voice coil diameter	± 50 mm	Ø 50 mm	39 mm
Voice coil former	aluminium	aluminium	aluminium
Linear excursion (X_{MAX})	± 4.5 mm	± 4 mm	± 5 mm
Eff. cone area (Sd)	510 cm^2	518 cm^2	531 cm^2
Magnet weight	1.4 kg	960 g	850 g
Weight	4.2 kg	2.6 kg	2.535 kg

SPH-250CTC

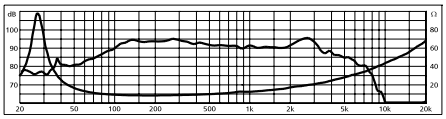
Order No. 10.1820

Hi-fi subwoofer, 2 x 100 W, 2 x 8 Ω

- High-end speaker
- Aluminium diecast basket
- Dual voice coil
- Carbon fibre cone
- A preferred size for hi-fi subwoofers of highest quality in medium-sized bass-reflex cabinets or also for 3-way speakers



SPH250CTC (10.1820)



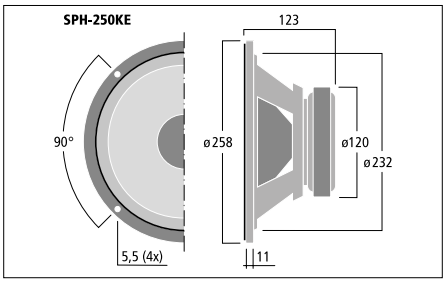


SPH-250KE

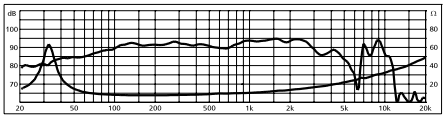
Order No. 10.2380

Top hi-fi bass speaker, 100 W, 8 Ω

- Finely textured Kevlar cone
- Aluminium diecast basket
- Long excursion
- A very deep bass in compact bass-reflex cabinets already
- In closed cabinets, a dry bass reproduction comfortable to listen to (particularly suitable for use in rooms of rumbling sound)
- For any hi-fi and high-end application



SPH-250KE (10.2380)



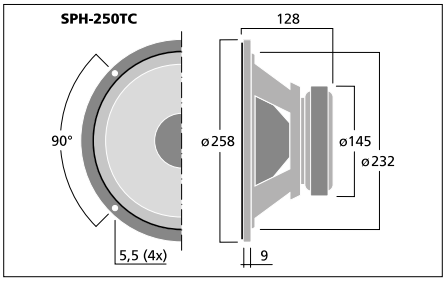


SPH-250TC

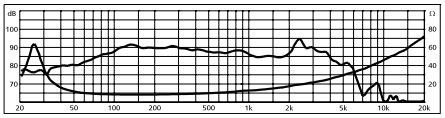
Order No. 10.1450

Hi-fi bass speaker and subwoofer, 2 x 100 W, 2 x 8 Ω

- Stabilised polypropylene cone
- Dual voice coil
- Perfect parameters for a very deep bass reproduction in small bass-reflex cabinets and band-pass cabinets
- For any bass application in hi-fi, home cinema and car hi-fi systems and for 3-way combinations



SPH-250TC (10.1450)





Model	SPH-250CTC	SPH-250KE	SPH-250TC
Impedance (Z)	2 x 8 Ω	8 Ω	2 x 8 Ω
Frequency range	f3-3,500 Hz	f3-3,000 Hz	f3-3,500 Hz
Resonant frequency (fs)	20 Hz	23 Hz	26 Hz
Power rating	2 x 100 W	100 W	2 x 100 W
Peak music power output	2 x 150 W	150 W	2 x 150 W
Sensitivity	91 dB/W/m	90 dB/W/m	91 dB/W/m
Suspension compl. (Cms)	0.98 mm/N	0.94 mm/N	0.5 mm/N
Moving mass (Mms)	70 g	45 g	55 g
Mech. Q factor (Qms)	5.12	5.25	3.31
Electr. Q factor (Qes)	0.26	0.45	0.27
Total Q factor (Qts)	0.25	0.41	0.25
Equivalent volume (Vas)	220 l	204 l	84 l
DC resistance (Re)	2 x 6.8 Ω/3.4 Ω	6.1 Ω	2 x 6.8 Ω/3.4 Ω
Force factor (BxL)	9.6 Tm	9.4 Tm	11.1 Tm
Voice coil induct. (Le)	2 x 1.0 mH/1.0 mH	0.7 mH	2 x 1.1 mH/1.1 mH
Voice coil diameter	Ø 50 mm	Ø 50 mm	Ø 50 mm
Voice coil former	Kapton	Kapton	Kapton
Linear excursion (X_{MAX})	± 4.5 mm	± 4.75 mm	± 4.5 mm
Eff. cone area (Sd)	343 cm^2	346 cm^2	346 cm^2
Magnet weight	1.2 kg	840 g + 50 g	1.2 kg
Weight	3.8 kg	2.92 kg	3.7 kg

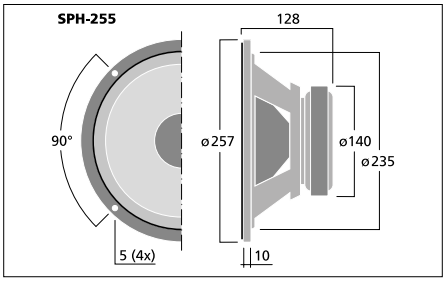
SPH-255

Order No. 10.0900

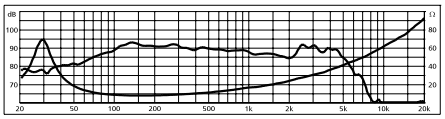
10 | 120 W MAX

Hi-fi bass speaker, 60 W, 8 Ω

- Multi-purpose speaker of high power capability
- Voice coil of high power capability
- Long-term stable rubber surround
- Powerful bass reproduction of high efficiency



SPH-255 (10.0900)





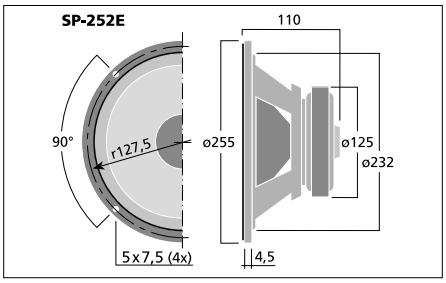
SP-252E

Order No. 10.3990

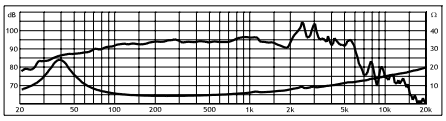
10 | 150 W MAX

Hi-fi bass-midrange speaker, 75 W, 4 Ω

- Multi-purpose speaker
- Foam surround
- Replacement speaker for closed cabinets



SP-252E (10.3990)





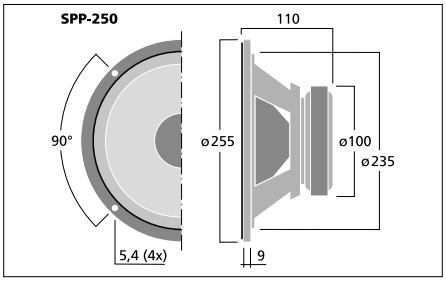
SPP-250

Order No. 10.1100

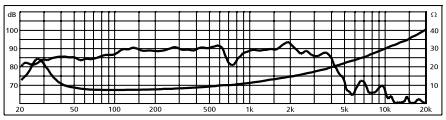
10 | 75 W MAX

Bass speaker, 37 W, 8 Ω

Low cutoff frequency, to be used up to midrange.



SPP-250 (10.1100)





Model	SPH-255	SP-252E	SPP-250
Impedance (Z)	8 Ω	4 Ω	8 Ω
Frequency range	f3-3,000 Hz	f3-6,000 Hz	f3-3,000 Hz
Resonant frequency (fs)	23 Hz	42 Hz	30 Hz
Power rating	60 W	75 W	37 W
Peak music power output	120 W	150 W	75 W
Sensitivity	91 dB/W/m	94 dB/W/m	93 dB/W/m
Suspension compl. (Cms)	1.19 mm/N	0.33 mm/N	0.92 mm/N
Moving mass (Mms)	42 g	43 g	30 g
Mech. Q factor (Qms)	2.86	3.13	3.29
Electr. Q factor (Qes)	0.26	0.60	1.25
Total Q factor (Qts)	0.25	0.50	0.90
Equivalent volume (Vas)	205 l	57 l	155 l
DC resistance (Re)	6.1 Ω	3.75 Ω	6.5 Ω
Force factor (BxL)	11.7 Tm	8.5 Tm	5.4 Tm
Voice coil induct. (Le)	1.5 mH	1.1 mH	0.8 mH
Voice coil diameter	Ø 50 mm	Ø 35.5 mm	Ø 35.5 mm
Voice coil former	aluminium	aluminium	aluminium
Linear excursion (X_{MAX})	± 4.5 mm	± 4 mm	± 3.5 mm
Eff. cone area (Sd)	350 cm^2	353 cm^2	346 cm^2
Magnet weight	1.1 kg	960 g	370 g
Weight	3.73	2.3 kg	1.491

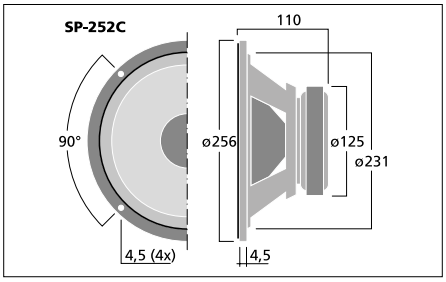
SP-252C

Order No. 10.2810

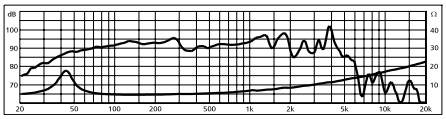
10 | 200 W MAX

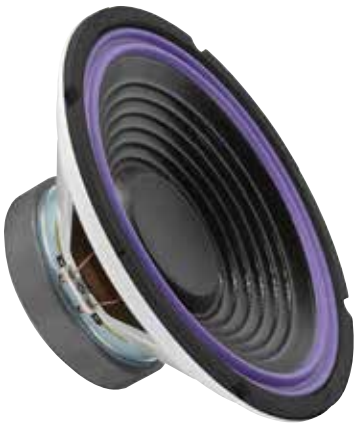
Car hi-fi bass speaker, 100 W, 4Ω

- 25 cm (10") bass speaker
- Coated cone
- Also suitable as a bass addition for free air applications
- Protruding lower pole plate for a long excursion



SP-252C (10.2810)





Model	SP-252C
Impedance (Z)	4 Ω
Frequency range	f3-3,500 Hz
Resonant frequency (fs)	35 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	2,000 Hz
Power rating	100 W
Peak music power output	200 W
Sensitivity	93 dB/W/m
Suspension compl. (Cms)	0.55 mm/N
Moving mass (Mms)	38 g
Mech. Q factor (Qms)	3.15
Electr. Q factor (Qes)	0.47
Total Q factor (Qts)	0.41
Equivalent volume (Vas)	96 l
DC resistance (Re)	3.7 Ω
Force factor (BxL)	8.08 Tm
Voice coil induct. (Le)	0.4 mH
Voice coil diameter	Ø 39 mm
Voice coil former	aluminium
Linear excursion (X_{MAX})	± 5 mm
Eff. cone area (Sd)	353 cm^2
Magnet weight	850 g
Magnet diameter	Ø 125 mm
Mounting cutout	Ø 231 mm
Mounting depth	110 mm
Dimensions	Ø 256 mm x 110 mm
Weight	2.4 kg



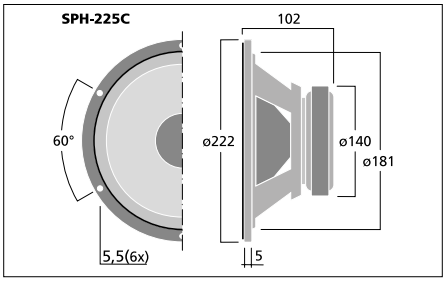
SPH-225C

Order No. 10.4130

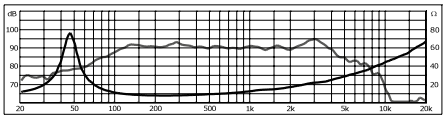
8 Ω 150 W MAX

High-end bass speaker, 120 W, 8 Ω

- High-rigidity cone
- Extra long excursion
- Small loss and low distortion
- For an impressive fundamental bass in any high-quality hi-fi combination and smaller subwoofers
- Also possible as a bass-midrange speaker in 2-way combinations
- Suitable for cabinets of extra small dimensions



SPH-225C (10.4130)





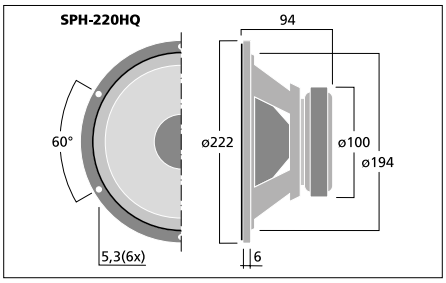
SPH-220HQ

Order No. 10.1580

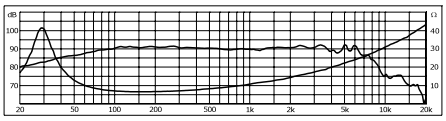
8 Ω 180 W MAX

High-quality hi-fi bass speaker, 100 W, 8 Ω

- 200 mm (8") bass speaker with diecast basket
- Rear-ventilated centering spider and drilled pole core for minimum mechanical loss
- High-quality coated paper cone of low resonance
- Low-loss rubber surround
- Wide and linear radiation range
- Ideally suited for 3-way systems and also suitable for traditional 2-way systems in an application range of up to 2,000 Hz and beyond



SPH-220HQ (10.1580)





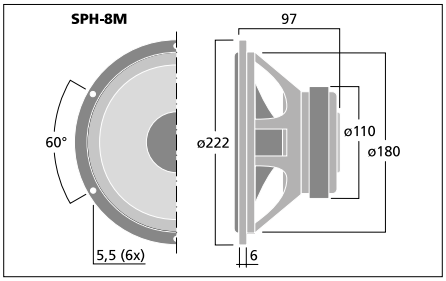
SPH-8M

Order No. 10.1630

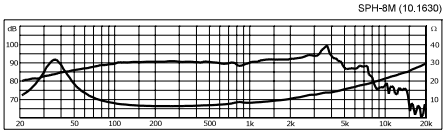
8 Ω 150 W MAX

Hi-fi bass speaker, 100 W, 8 Ω

- Hi-fi bass speaker of excellent workmanship
- Dampened low-resonance polypropylene cone
- Robust diecast aluminium basket of an elegant design with 6-hole screw connection
- Magnet system with drilled pole core
- Very well-suited for bass-reflex and closed speaker systems



SPH-8M (10.1630)





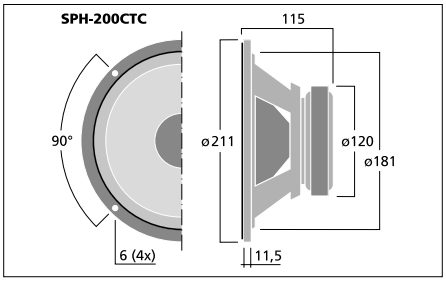
Model	SPH-225C	SPH-220HQ	SPH-8M
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	f3-3,000 Hz	f3-4,000 Hz	f3-2,500 Hz
Resonant frequency (fs)	39 Hz	30 Hz	35 Hz
Power rating	120 W	100 W	100 W
Peak music power output	200 W	180 W	150 W
Sensitivity	90 dB/W/m	90 dB/W/m	89 dB/W/m
Suspension compl. (Cms)	0.43 mm/N	1.06 mm/N	0.71 mm/N
Moving mass (Mms)	36.6 g	24.7 g	27 g
Mech. Q factor (Qms)	4.94	3.06	2.26
Electr. Q factor (Qes)	0.31	0.46	0.50
Total Q factor (Qts)	0.30	0.40	0.41
Equivalent volume (Vas)	24 l	80 l	44 l
DC resistance (Re)	5.9 Ω	6.1 Ω	6.5 Ω
Force factor (BxL)	13.17 Tm	7.63 Tm	9.01 Tm
Voice coil induct. (Le)	0.8 mH	0.9 mH	0.78 mH
Voice coil diameter	Ø 50 mm	Ø 37 mm	Ø 38 mm
Voice coil former	Kapton	aluminium	aluminium
Linear excursion (X_{MAX})	± 6 mm	± 5.5 mm	± 4.5 mm
Eff. cone area (Sd)	201 cm^2	232 cm^2	240 cm^2
Magnet weight	1.1 kg	550 g	790 g
Weight	3.52 kg	1.83 kg	2.2 kg

SPH-200CTC

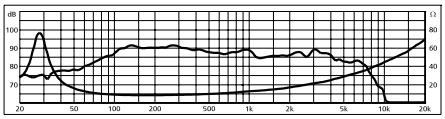
Order No. 10.1810

Hi-fi bass speaker and subwoofer, 2 x 60 W, 2 x 8 Ω

- Dual voice coil
- Diecast basket
- Carbon fibre cone
- Very high power capability in very small cabinets
- Ideal bass speaker for subwoofer applications of high requirements if there is little space available only



SPH-200CTC (10.1810)



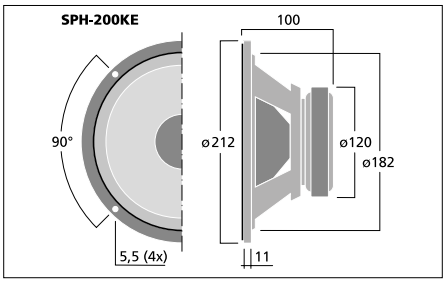


SPH-200KE

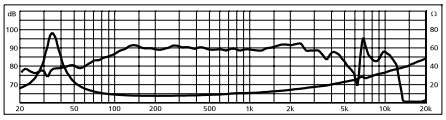
Order No. 10.2370

Top hi-fi bass-midrange speaker, 100 W, 8 Ω

- Kevlar cone
- Aluminium diecast basket for 3-way and 2-way combinations of highest quality
- For full range applications
- Excellent bass reproduction in the entire hi-fi range



SPH-200KE (10.2370)



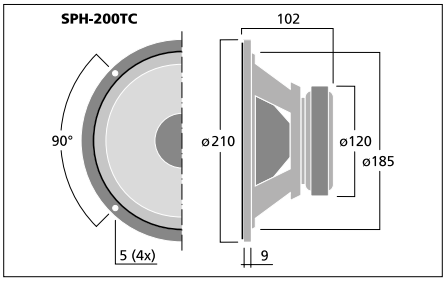


SPH-200TC

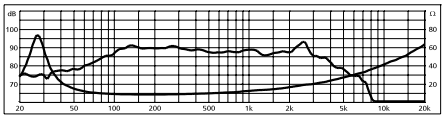
Order No. 10.1690

Hi-fi bass speaker and subwoofer, 2 x 60 W, 2 x 8 Ω

- High-quality polypropylene cone
- Dual voice coil
- Set of parameters for an astonishingly deep and powerful bass reproduction from very small bass-reflex cabinets
- Very well-suited for slim column speakers with integrated subwoofer



SPH-200TC (10.1690)





Model	SPH-200CTC	SPH-200KE	SPH-200TC
Impedance (Z)	2 x 8 Ω	8 Ω	2 x 8 Ω
Frequency range	f3-4,000 Hz	f3-4,500 Hz	f3-4,000 Hz
Resonant frequency (fs)	22 Hz	28 Hz	28 Hz
Power rating	2 x 60 W	80 W	2 x 60 W
Peak music power output	2 x 100 W	120 W	2 x 100 W
Sensitivity	88 dB/W/m	90 dB/W/m	88 dB/W/m
Suspension compl. (Cms)	1.16 mm/N	0.89 mm/N	1.01 mm/N
Moving mass (Mms)	45 g	37 g	32 g
Mech. Q factor (Qms)	4.91	4.65	6.19
Electr. Q factor (Qes)	0.23	0.41	0.25
Total Q factor (Qts)	0.22	0.38	0.24
Equivalent volume (Vas)	75 l	54 l	65 l
DC resistance (Re)	2 x 6.8 Ω/ 3.4 Ω	6.2 Ω	2 x 6.8 Ω/ 3.4 Ω
Force factor (BxL)	9 Tm	9.9 Tm	8.9 Tm
Voice coil induct. (Le)	2 x 1.0 mH/ 1.0 mH	0.75 mH	2 x 1.0 mH/ 1.0 mH
Voice coil diameter	Ø 50 mm	Ø 50 mm	Ø 50 mm
Voice coil former	Kapton	Kapton	Kapton
Linear excursion (X_{MAX})	± 3.75 mm	± 4.75 mm	± 3.75 mm
Eff. cone area (Sd)	214 cm^2	207 cm^2	210 cm^2
Magnet weight	840 g	840 g + 50 g	840 g
Weight	2.8 kg	2.72	2.6 kg

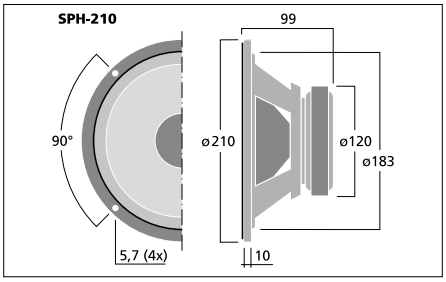
SPH-210

Order No. 10.0890

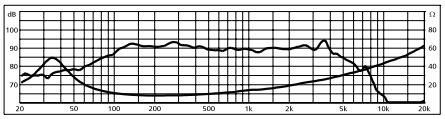
8 | 100 W MAX

Hi-fi bass-midrange speaker, 150 W, 8 Ω

- For high-quality 2-way or 3-way speaker systems
- As a replacement speaker for older high-quality speaker systems



SPH-210 (10.0890)





SPM-205/8

Order No. 10.5390

8 | 150 W MAX

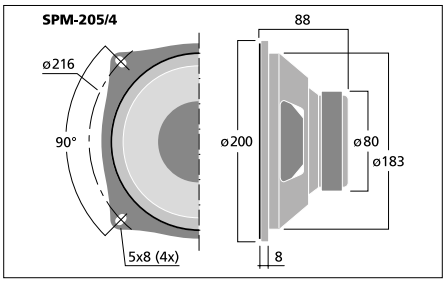
SPM-205/4

Order No. 10.5380

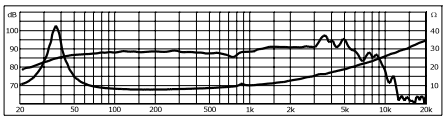
8 | 150 W MAX

Hi-fi bass-midrange speakers, 70 W, 8 Ω (/8) and 4 Ω (/4)

- Excellent replacement speakers of the same quality as from the original equipment manufacturer
- Coated low-resonance paper cone
- Long-term stable rubber surround
- To be used preferably in closed or transmission line cabinets



SPM-205/8 (10.5390)





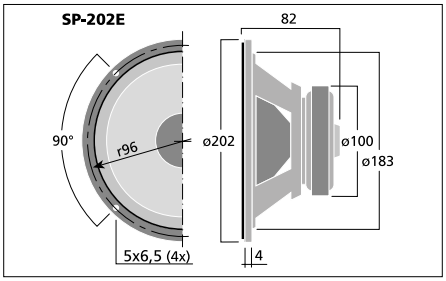
SP-202E

Order No. 10.3980

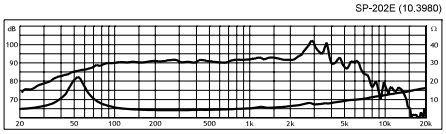
8 | 100 W MAX

Hi-fi bass-midrange speaker, 50 W, 4 Ω

- Multi-purpose speaker
- Foam surround
- Replacement speaker for closed speaker systems



SP-202E (10.3980)





Model	SPH-210	SPM-205/8	SPM-205/4	SP-202E
Impedance (Z)	8 Ω	8 Ω	4 Ω	4 Ω
Frequency range	f3-4,000 Hz	f3-5,000 Hz	f3-5,000 Hz	f3-6,000 Hz
Resonant frequency (fs)	28 Hz	37 Hz	37 Hz	51 Hz
Power rating	50 W	70 W	70 W	50 W
Peak music power output	100 W	150 W	150 W	100 W
Sensitivity	90 dB/W/m	89 dB/W/m	89 dB/W/m	93 dB/W/m
Suspension compl. (Cms)	1.32 mm/N	0.75 mm/N	0.98 mm/N	0.62 mm/N
Moving mass (Mms)	24.5 g	22 g	18 g	15 g
Mech. Q factor (Qms)	2.14	2.95	2.71	4.5
Electr. Q factor (Qes)	0.27	0.92	0.68	0.81
Total Q factor (Qts)	0.24	0.7	0.55	0.69
Equivalent volume (Vas)	81 l	54 l	72 l	39 l
DC resistance (Re)	6.5 Ω	7.2 Ω	3.6 Ω	3.85 Ω
Force factor (BxL)	10.3 Tm	6.5 Tm	4.75 Tm	4.86 Tm
Voice coil induct. (Le)	1.0 mH	0.7 mH	0.65 mH	0.6 mH
Voice coil diameter	Ø 35.5 mm	Ø 25.5 mm	Ø 25.5 mm	Ø 25.5 mm
Voice coil former	aluminium	aluminium	aluminium	aluminium
Linear excursion (X_{MAX})	± 3.5 mm	± 3 mm	± 3 mm	± 2.5 mm
Eff. cone area (Sd)	210 cm^2	210 cm^2	210 cm^2	210 cm^2
Magnet weight	840 g	380 g	380 g	570 g
Weight	2.52 kg	1.4 kg	1.062 kg	1.39 kg

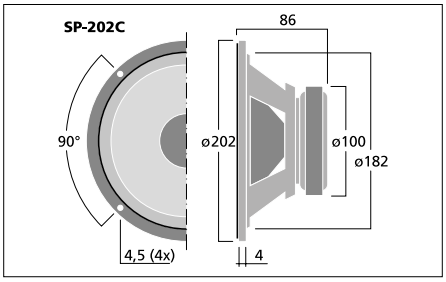
SP-202C

Order No. 10.2800

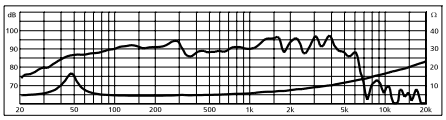
8 | 150 W MAX

Car hi-fi bass speaker, 75 W, 4 Ω

- 20 cm (8") bass speaker
- Coated cone
- Also suitable as a kick bass addition for free air applications
- Protruding lower pole plate for a long excursion



SP-202C (10.2800)





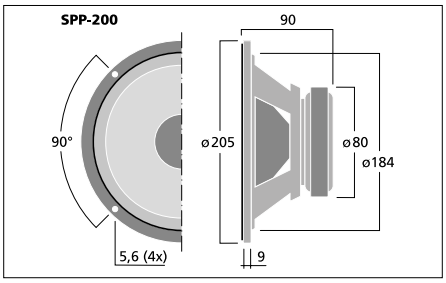
SPP-200

Order No. 10.1080

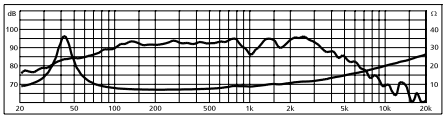
8 | 60 W MAX

Bass-midrange speaker, 30 W, 8 Ω

For general applications.



SPP-200 (10.1080)





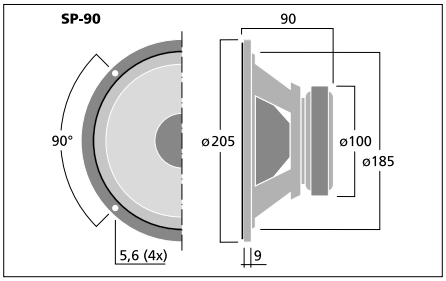
SP-90

Order No. 10.0770

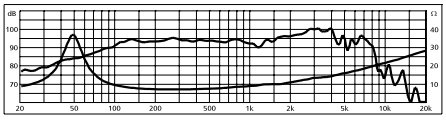
8 | 70 W MAX

Universal bass speaker, 35 W, 8 Ω

- Soft suspension
- For general bass applications



SP-90 (10.0770)





Model	SP-202C	SPP-200	SP-90
Impedance (Z)	4 Ω	8 Ω	8 Ω
Frequency range	f3-4,000 Hz	f3-3,500 Hz	f3-8,000 Hz
Resonant frequency (fs)	37 Hz	45 Hz	45 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	2,500 Hz	-	-
Power rating	75 W	30 W	35 W
Peak music power output	150 W	60 W	70 W
Sensitivity	91 dB/W/m	92 dB/W/m	92 dB/W/m
Suspension compl. (Cms)	0.95 mm/N	0.75 mm/N	0.8 mm/N
Moving mass (Mms)	19 g	16.7 g	17 g
Mech. Q factor (Qms)	3.64	3.96	3.36
Electr. Q factor (Qes)	0.58	1.35	0.68
Total Q factor (Qts)	0.5	1.00	0.57
Equivalent volume (Vas)	61 l	48 l	42 l
DC resistance (Re)	3.8 Ω	6.5 Ω	6.5 Ω
Force factor (BxL)	5.51 Tm	4.8 Tm	-
Voice coil induct. (Le)	0.3 mH	0.6 mH	0.5 mH
Voice coil diameter	25 mm	Ø 25.5 mm	Ø 25 mm
Voice coil former	aluminium	aluminium	aluminium
Linear excursion (X_{MAX})	± 4 mm	± 1 mm	± 2 mm
Eff. cone area (Sd)	214 cm^2	214 cm^2	210 cm^2
Magnet weight	570 g	280 g	380 g
Weight	1.25 kg	0.96 kg	1.223 kg

Full specifications can be found on our website www.monacor-international.de.

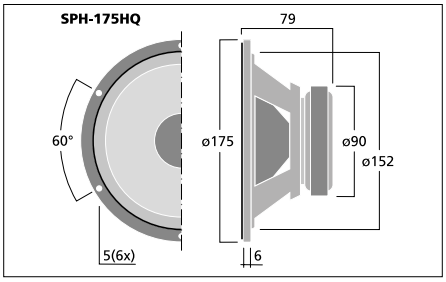
SPH-175HQ

Order No. 10.1470

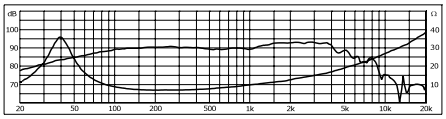
6 3/4 | 120 W MAX

High-quality hi-fi bass-midrange speaker, 70 W, 8 Ω

- 175 mm (6 3/4") bass-midrange speaker
- Further development of the classic speaker SPH-176
- Diecast basket
- Rear-ventilated centering spider for minimum mechanical loss
- Scooped, air-dried, low-resonance paper cone
- Low-loss rubber surround
- Wide and linear radiation range
- Ideal parameters for bass-reflex systems



SPH-175HQ (10.1470)





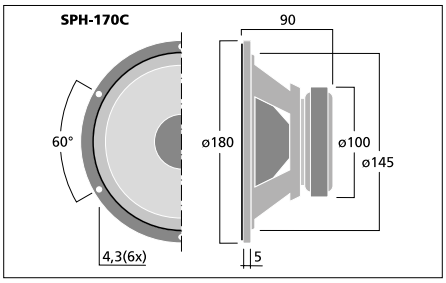
SPH-170C

Order No. 10.4120

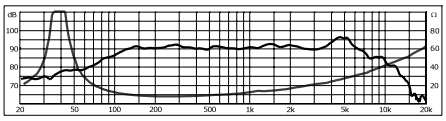
6½ | 120 W MAX

High-end bass-midrange speaker, 60 W, 8 Ω

- Cone with excellent damping
- Extra long excursion
- Low distortion
- Particularly natural reproduction
- Very low limit frequency
- Ideally suited as a bass-midrange speaker in 2-way combinations but only requires small volumes



SPH-170C (10.4120)





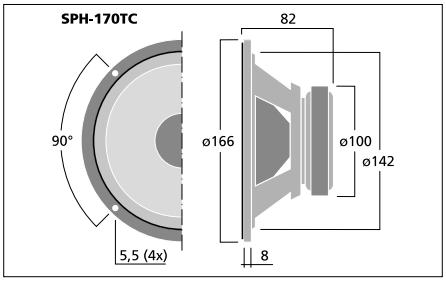
SPH-170TC

Order No. 10.1440

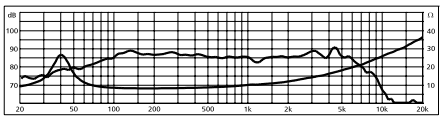
6½ | 2 x 60 W MAX

Hi-fi bass-midrange speaker, 2 x 40 W, 2 x 8 Ω

- Dual voice coil
- Polypropylene cone with a good midrange attenuation
- Suitable for both very small subwoofers and high-performance 2-way speaker systems



SPH-170TC (10.1440)





Model	SPH-175HQ	SPH-170C	SPH-170TC
Impedance (Z)	8 Ω	8 Ω	2 x 8 Ω
Frequency range	f3-4,000 Hz	f3-3,500 Hz	f3-5,000 Hz
Resonant frequency (fs)	39 Hz	38 Hz	33 Hz
Power rating	70 W	60 W	2 x 40 W
Peak music power output	120 W	120 W	2 x 60 W
Sensitivity	89 dB/W/m	88 dB/W/m	88 dB/W/m
Suspension compl. (Cms)	1.2 mm/N	1.06 mm/N	1.38 mm/N
Moving mass (Mms)	13.9 g	16.43 g	16 g
Mech. Q factor (Qms)	2.57	7.22	2.98
Electr. Q factor (Qes)	0.5	0.27	0.48
Total Q factor (Qts)	0.42	0.26	0.41
Equivalent volume (Vas)	32.95 l	24 l	31 l
DC resistance (Re)	6.5 Ω	6 Ω	2 x 7.5 Ω/ 3.8 Ω
Force factor (BxL)	6.4 Tm	9.44 Tm	5.2 Tm
Voice coil induct. (Le)	0.71 mH	0.8 mH	2 x 0.6 mH/ 0.6 mH
Voice coil diameter	Ø 25 mm	Ø 37 mm	Ø 25.5 mm
Voice coil former	aluminium	Kapton	Kapton
Linear excursion (X_{MAX})	± 5.5 mm	± 4 mm	± 2.25 mm
Eff. cone area (Sd)	140 cm^2	127 cm^2	127 cm^2
Magnet weight	450 g	600 g	380 g
Weight	1.31 kg	2 kg	1.155 kg

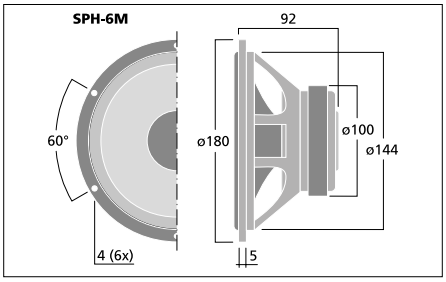
SPH-6M

Order No. 10.5540

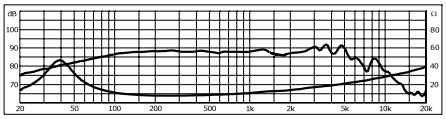
6½ 120 W MAX

Hi-fi bass speaker, 60 W, 8 Ω

- High-quality hi-fi bass speaker of long excursion
- Damped low-resonance polypropylene cone
- Robust diecast aluminium basket of an elegant design with 6-hole screw connection
- Magnet system with drilled pole core and protruding rear pole plate
- Very well-suited for bass-reflex speaker systems



SPH-6M (10.5540)





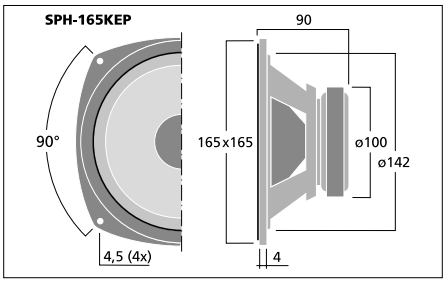
SPH-165KEP

Order No. 10.2420

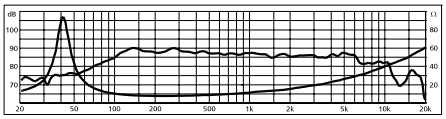
6½ 100 W MAX

Hi-fi bass-midrange speaker, 60 W, 8 Ω

- High-tech speaker
- Diecast aluminium basket
- Kevlar cone
- Phase plug
- Optimum transient response
- Resonance-free
- High thermal capability
- A very linear and wide bandwidth radiation
- Excellent bass-midrange speaker with high level reserves for hi-fi applications



SPH-165KEP (10.2420)





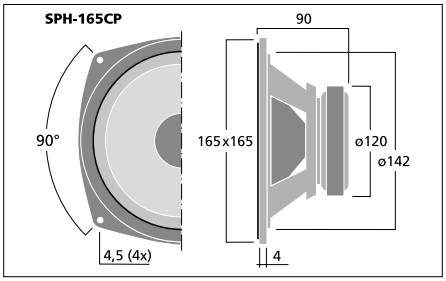
SPH-165CP

Order No. 10.2330

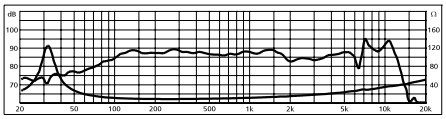
6½ 120 W MAX

High-performance hi-fi bass-midrange speaker, 80 W, 8 Ω

- Extra large voice coil (Ø 50 mm)
- Parameters for a deep bass reproduction
- Extra long excursion
- Bass speaker for interesting dual arrangements in very slim 3-way high-power speaker systems and for 2-way bookshelf speakers of high power capability



SPH-165CP (10.2330)





Model	SPH-6M	SPH-165KEP	SPH-165CP
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	f3-3,000 Hz	f3-7,000 Hz	f3-6,000 Hz
Resonant frequency (fs)	39 Hz	30 Hz	30 Hz
Power rating	60 W	60 W	80 W
Peak music power output	120 W	100 W	120 W
Sensitivity	88 dB/W/m	89 dB/W/m	89 dB/W/m
Suspension compl. (Cms)	0.78 mm/N	1.71 mm/N	1.71 mm/N
Moving mass (Mms)	20 g	17 g	17 g
Mech. Q factor (Qms)	2.26	4.85	4.85
Electr. Q factor (Qes)	0.35	0.33	0.33
Total Q factor (Qts)	0.30	0.31	0.31
Equivalent volume (Vas)	17.6 l	38 l	38 l
DC resistance (Re)	6.33 Ω	6 Ω	6 Ω
Force factor (BxL)	9.68 Tm	7.6 Tm	7.6 Tm
Voice coil induct. (Le)	0.82 mH	0.7 mH	0.7 mH
Voice coil diameter	Ø 37 mm	Ø 35.5 mm	Ø 50 mm
Voice coil former	aluminium	Kapton	glass fibre
Linear excursion (X_{MAX})	± 4 mm	± 4.75 mm	± 4.75 mm
Eff. cone area (Sd)	127 cm^2	127 cm^2	127 cm^2
Magnet weight	630 g	500 g + 17 g	840 g + 50 g
Weight	2.005 kg	1.71 kg	2.57 kg

SP-6/108PRO

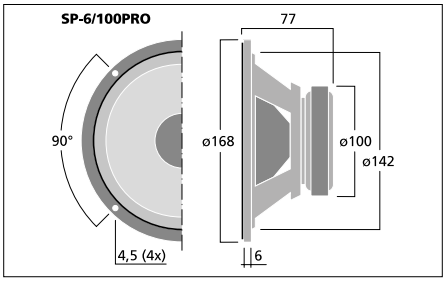
Order No. 10.0340

SP-6/100PRO

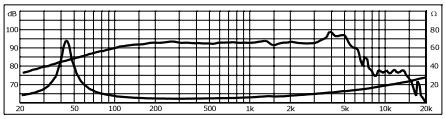
Order No. 10.4540

Compact PA bass-midrange speakers, 100 W, 8 Ω (SP-6/108PRO) and 4 Ω (SP-6/100PRO)

- 16.5 cm (6.5") professional bass-midrange speaker for PA and hi-fi
- High-quality carbon fibre cone
- Excellent sound and dynamic characteristics
- Heat-resistant voice coil wound on the inside and outside
- Ideally suited for combination with DT-300 and WG-300



SP-6/100PRO (10.4540)



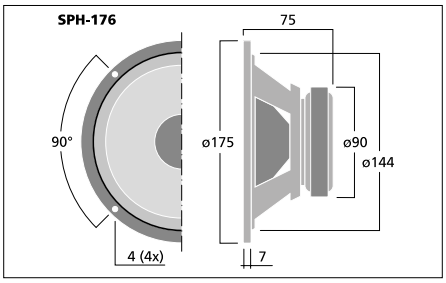


SPH-176

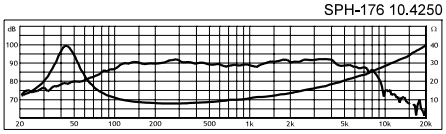
Order No. 10.4250

High-quality hi-fi bass-midrange speaker, 70 W, 8 Ω

- Coated paper cone, yet high pulsed power
- Rubber surround
- Bass-optimised drive characteristics
- Allows for setting up speaker systems of highest level stability with an amazingly deep bass reproduction
- Ideally suited for various applications, from 2-way hi-fi speakers and attractive dual bass arrangements to very small subwoofers



SPH-176 10.4250



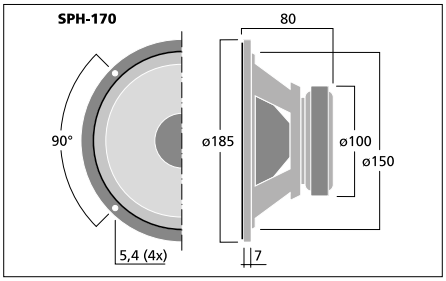


SPH-170

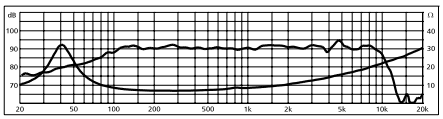
Order No. 10.0110

Hi-fi bass-midrange speaker, 50 W, 8 Ω

- Speakers of very high quality with extensive equipment
- Round aluminium diecast basket with recessed screw head holes
- Inverse rubber surround
- Drilled pole core
- Cone with excellent damping
- Exceptionally deep bass reproduction for any bass and bass-midrange application



SPH-170 (10.0110)





Model	SP-6/108PRO	SP-6/100PRO	SPH-176	SPH-170
Impedance (Z)	8 Ω	4 Ω	8 Ω	8 Ω
Frequency range	f3-4,500 Hz	f3-4,500 Hz	f3-4,500 Hz	f3-5,000 Hz
Resonant frequency (fs)	44 Hz	44 Hz	39 Hz	38 Hz
Power rating	100 W	100 W	70 W	50 W
Peak music power output	150 W	150 W	120 W	80 W
Sensitivity	92 dB/W/m	93 dB/W/m	90 dB/W/m	90 dB/W/m
Suspension compl. (Cms)	0.97 mm/N	1.08 mm/N	1.01 mm/N	1.43 mm/N
Moving mass (Mms)	13.14 g	12.2 g	14 g	12.5 g
Mech. Q factor (Qms)	4.28	5.52	2.27	2.38
Electr. Q factor (Qes)	0.35	0.29	0.44	0.55
Total Q factor (Qts)	0.32	0.27	0.37	0.44
Equivalent volume (Vas)	25.5 l	28 l	27 l	37 l
DC resistance (Re)	5.74 Ω	3.3 Ω	6.6 Ω	6.2 Ω
Force factor (BxL)	7.46 Tm	6.22 Tm	7.7 Tm	5.9 Tm
Voice coil induct. (Le)	0.43 mH	0.4 mH	0.75 mH	0.45 mH
Voice coil diameter	Ø 30 mm	Ø 30 mm	Ø 25 mm	Ø 25 mm
Voice coil former	Kapton	Kapton	aluminium	aluminium
Linear excursion (X_{MAX})	± 3 mm	± 3 mm	± 5.5 mm	± 3 mm
Eff. cone area (Sd)	137 cm^2	137 cm^2	140 cm^2	137 cm^2
Magnet weight	570 g	570 g	450 g	370 g
Weight	1.435 kg	1.43 kg	1.23 kg	1.3 kg

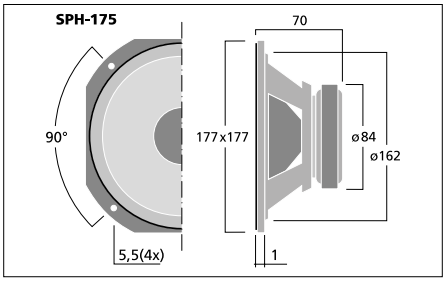
SPH-175

Order No. 10.1370

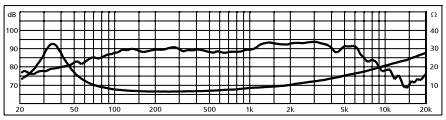
6¾ | 100 W MAX

Hi-fi bass-midrange speaker, 60 W, 8 Ω

- Paper cone with special coating
- Rubber surround with optimised profile
- Very linear radiation range free of resonance
- Ideal component for modern 2-way combinations



SPH-175 (10.1370)





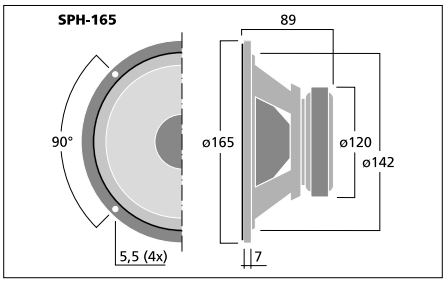
SPH-165

Order No. 10.0880

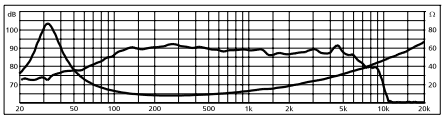
6½ | 100 W MAX

Hi-fi bass-midrange speaker, 50 W, 8 Ω

- Extra strong drive and high power capability
- For general hi-fi applications of high requirements
- Very well-suited for bass-reflex and band-pass cabinets up to horn speaker designs



SPH-165 (10.0880)





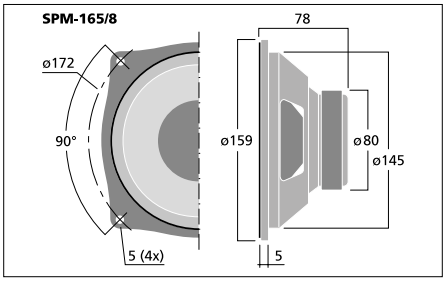
SPM-165/8

Order No. 10.5340

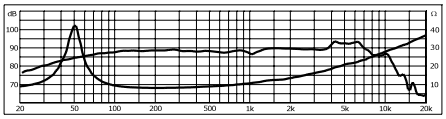
6½ | 150 W MAX

Hi-fi bass-midrange speaker, 60 W, 8 Ω

- Excellent replacement speaker of the same quality as from the original equipment manufacturer
- Coated low-resonance paper cone
- Long-term stable rubber surround
- To be used preferably in closed or transmission line cabinets



SPM-165/8 (10.5340)





Model	SPH-175	SPH-165	SPM-165/8
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	f3-5,000 Hz	f3-5,000 Hz	f3-5,000 Hz
Resonant frequency (fs)	33 Hz	33 Hz	49 Hz
Power rating	60 W	50 W	60 W
Peak music power output	100 W	100 W	150 W
Sensitivity	90 dB/W/m	89 dB/W/m	88 dB/W/m
Suspension compl. (Cms)	1.86 mm/N	1.22 mm/N	1.0 mm/N
Moving mass (Mms)	12.5 g	16 g	10.3 g
Mech. Q factor (Qms)	1.98	2.02	2.7
Electr. Q factor (Qes)	0.43	0.23	0.67
Total Q factor (Qts)	0.35	0.21	0.55
Equivalent volume (Vas)	48 l	36 l	33 l
DC resistance (Re)	5.7 Ω	6.5 Ω	7.2 Ω
Force factor (BxL)	6 Tm	9.7 Tm	5.8 Tm
Voice coil induct. (Le)	0.5 mH	1.1 mH	0.6 mH
Voice coil diameter	Ø 25 mm	Ø 35.5 mm	Ø 25.5 mm
Voice coil former	aluminium	aluminium	aluminium
Linear excursion (X_{MAX})	± 2 mm	± 3.5 mm	± 3 mm
Eff. cone area (Sd)	137 cm^2	137 cm^2	140 cm^2
Magnet weight	350 g	640 g	380 g
Weight	1.045 kg	2.235 kg	0.97 kg

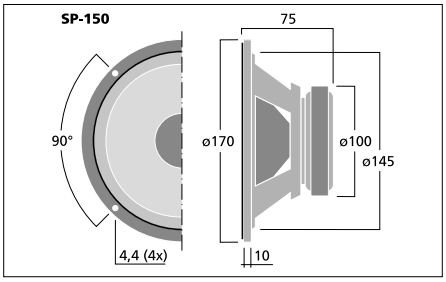
SP-150

Order No. 10.0320

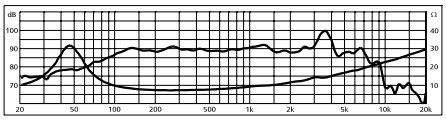
6¾ 60 W MAX

Hi-fi bass midrange speaker, 30 W, 8 Ω

- White polypropylene cone
- Basket with plastic trim ring



SP-150 (10.0320)





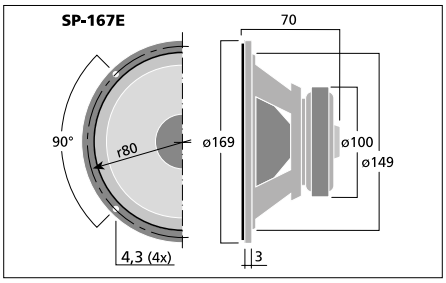
SP-167E

Order No. 10.3970

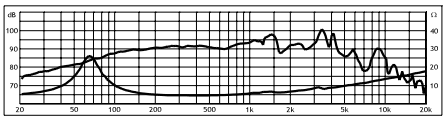
6½ 70 W MAX

Hi-fi bass-midrange speaker, 35 W, 4 Ω

- Great all-round speaker
- Foam surround
- Replacement speaker for closed speaker systems and bass-reflex speaker systems



SP-167E (10.3970)





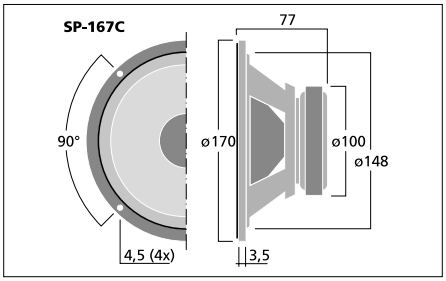
SP-167C

Order No. 10.2790

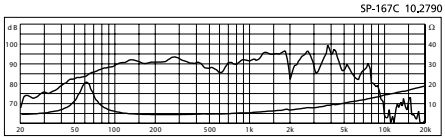
6½ 100 W MAX

Car hi-fi bass-midrange speaker, 50 W, 4 Ω

- 16 cm (6½") bass-midrange speaker
- Coated cone
- Also suitable as a bass addition for free air applications
- Protruding lower pole plate for a long excursion



SP-167C 10.2790





Model	SP-150	SP-167E	SP-167C
Impedance (Z)	8 Ω	4 Ω	4 Ω
Frequency range	f3-4,000 Hz	f3-6,000 Hz	f3-5,500 Hz
Resonant frequency (fs)	35 Hz	62 Hz	49 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	-	-	3,000 Hz
Power rating	30 W	35 W	50 W
Peak music power output	60 W	70 W	100 W
Sensitivity	90 dB/W/m	92 dB/W/m	91 dB/W/m
Suspension compl. (Cms)	1.56 mm/N	0.7 mm/N	0.84 mm/N
Moving mass (Mms)	10.4 g	9.3 g	12 g
Mech. Q factor (Qms)	2.83	2.78	2.89
Electr. Q factor (Qes)	0.61	0.48	0.45
Total Q factor (Qts)	0.5	0.41	0.39
Equivalent volume (Vas)	35 l	17.88 l	22 l
DC resistance (Re)	6.5 Ω	3.9 Ω	3.7 Ω
Force factor (BxL)	7.5 Tm	5.43 Tm	5.6 Tm
Voice coil induct. (Le)	0.45 mH	0.6 mH	0.2 mH
Voice coil diameter	Ø 25.5 mm	Ø 25.5 mm	25 mm
Voice coil former	aluminium	aluminium	aluminium
Linear excursion (X_{MAX})	± 2.5 mm	± 2.5 mm	± 4 mm
Eff. cone area (Sd)	127 cm^2	135 cm^2	137 cm^2
Magnet weight	380 g	570 g	570 g
Weight	1.215 kg	1.23 kg	1.15

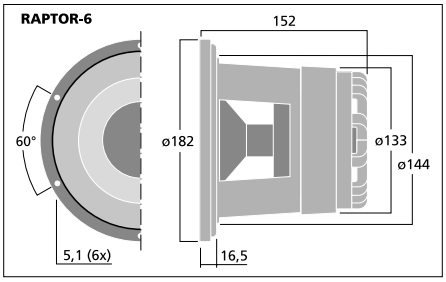
RAPTOR-6

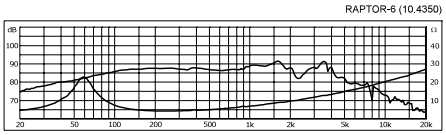
Order No. 10.4350



High-tech compact subwoofer, 100 W, 4 Ω

- Subwoofer installation possible into the smallest volume
- 18 cm (6½") compact bass speaker
- Fast and surpisingly deep bass reproduction with an equally good level stability in small cabinets
- First choice as a high-performance kick bass speaker
- With an ideal balance between suspension stability and long excursion, a perfect response is achieved in the complete bass range







Model	RAPTOR-6
Impedance (Z)	4 Ω
Frequency range	f3-800
Resonant frequency (fs)	53 Hz
Power rating	100 W
Peak music power output	300 W
Sensitivity	88 dB/W/m
Suspension compl. (Cms)	0.38 mm/N
Moving mass (Mms)	23 g
Mech. Q factor (Qms)	2.2
Electr. Q factor (Qes)	0.43
Total Q factor (Qts)	0.36
Equivalent volume (Vas)	6.9 l
DC resistance (Re)	3.4 Ω
Force factor (BxL)	7.6 Tm
Voice coil induct. (Le)	0.6 mH
Voice coil diameter	Ø 25 mm
Voice coil former	Kapton
Linear excursion (X_{MAX})	± 9 mm
Eff. cone area (Sd)	113 cm^2
Magnet weight	850 g
Magnet diameter	Ø 133 mm
Dimensions	Ø 182 mm x 152 mm
Weight	2.345 kg



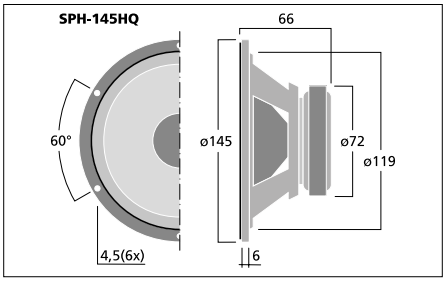
SPH-145HQ

Order No. 10.1420

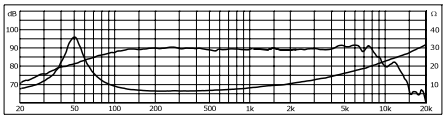
5½ 100 W MAX

High-quality hi-fi bass-midrange speaker, 50 W, 8 Ω

- 130 mm (5½") bass-midrange speaker
- Further development of the classic speaker SPH-130
- Diecast basket
- Rear-ventilated centering spider and drilled pole core for minimum mechanical loss
- High-quality, low-resonance paper cone
- Low-loss rubber surround
- Wide and linear radiation range
- Ideal for 2-way systems, D'Appolito arrangements and as a midrange system in large column speakers



SPH-145HQ (10.1420)





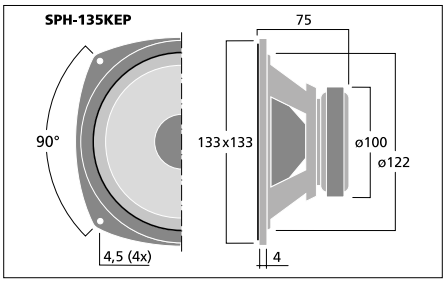
SPH-135KEP

Order No. 10.2410

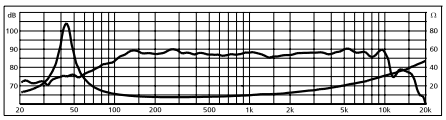
5¼ 80 W MAX

Hi-fi bass-midrange speaker, 50 W, 8 Ω

- Kevlar cone
- Phase plug
- Also to be used as a bass-midrange speaker in small bookshelf speaker systems providing a deep bass reproduction
- Optimum sound source for the entire vocal range above 200 Hz



SPH-135KEP (10.2410)





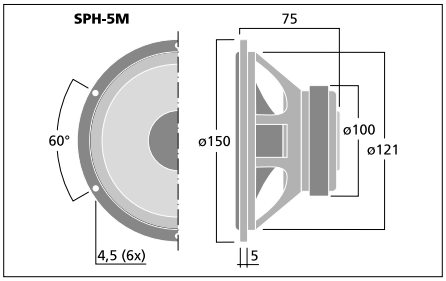
SPH-5M

Order No. 10.5530

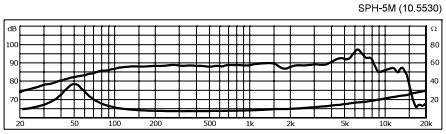
5½ 80 W MAX

Hi-fi bass-midrange speaker, 40 W, 8 Ω

- High-quality hi-fi bass-midrange speaker of long excursion
- Damped low-resonance polypropylene cone
- Robust diecast aluminium basket of an elegant design with 6-hole screw connection
- Magnet system with drilled pole core and protruding rear pole plate
- For general applications in compact bass-reflex, TML and closed speaker systems
- Very well-suited also as a midrange speaker in 3-way speaker systems



SPH-5M (10.5530)





Model	SPH-145HQ	SPH-135KEP	SPH-5M
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	f3-6,000 Hz	f3-10,000 Hz	f3-4,000 Hz
Resonant frequency (fs)	52 Hz	45 Hz	45 Hz
Power rating	50 W	50 W	40 W
Peak music power output	100 W	80 W	80 W
Sensitivity	88 dB/W/m	89 dB/W/m	88 dB/W/m
Suspension compl. (Cms)	1.05 mm/N	1.23 mm/N	1.06 mm/N
Moving mass (Mms)	7.6 g	10 g	11.73 g
Mech. Q factor (Qms)	3.07	5.54	2.89
Electr. Q factor (Qes)	0.51	0.32	0.47
Total Q factor (Qts)	0.44	0.30	0.41
Equivalent volume (Vas)	9.4 l	15.5 l	13.47 l
DC resistance (Re)	5.8 Ω	6 Ω	6.3 Ω
Force factor (BxL)	5.33 Tm	7.5 Tm	6.42 Tm
Voice coil induct. (Le)	0.53 mH	0.75 mH	0.54 mH
Voice coil diameter	Ø 25 mm	Ø 35.5 mm	Ø 25 mm
Voice coil former	aluminium	Kapton	aluminium
Linear excursion (X_{MAX})	± 3.5 mm	± 3.25 mm	± 3.5 mm
Eff. cone area (Sd)	80 cm^2	95 cm^2	95 cm^2
Magnet weight	230 g	550 g + 17 g	620 g
Weight	0.739 kg	1.62 kg	1.305 kg

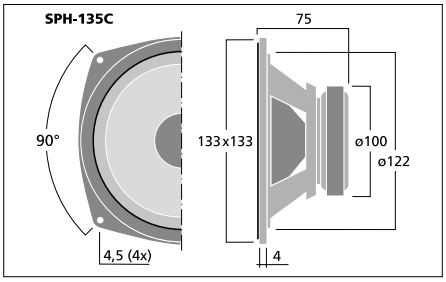
SPH-135C

Order No. 10.2310

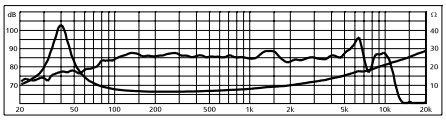
5¼ 80 W MAX

Hi-fi bass-midrange speaker, 50 W, 8 Ω

- Well-approved high-end bass-midrange speaker
- Parameters for deep bass reproductions
- Very long excursion
- Speaker for slimline 2-way column speaker systems with an astonishingly low fundamental bass and high level stability



SPH-135C (10.2310)





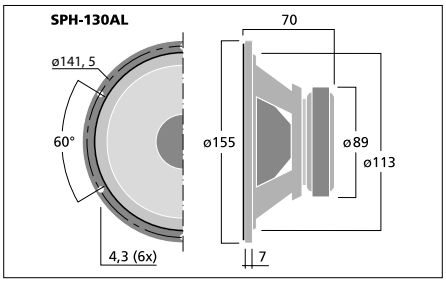
SPH-130AL

Order No. 10.3820

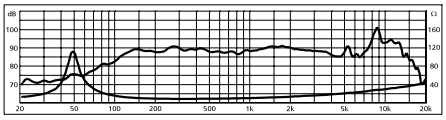
5½ 100 W MAX

Hi-fi bass-midrange speaker, 50 W, 8 Ω

- All-aluminium cone and dustcap
- Special design for extra reinforcement
- 6-hole screw connection
- Extra dynamic sound and a very wide bandwidth
- Midrange speaker of high efficiency and high power capability for high-end speaker systems and a perfect bass-midrange speaker for small speaker systems



SPH-130AL (10.3820)





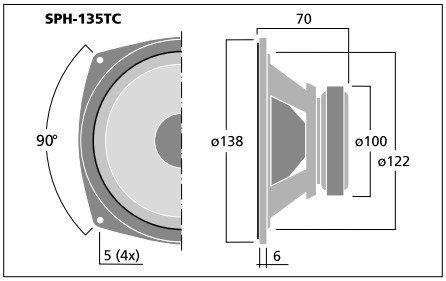
SPH-135TC

Order No. 10.1430

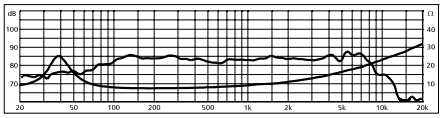
5½ 2 x 60 W MAX

Hi-fi bass-midrange speaker, 2 x 30 W, 2 x 8 Ω

- Dual voice coil
- Polypropylene cone with good midrange attenuation
- Suitable for both miniature subwoofers and powerful 2-way speaker systems, as bookshelf speakers or extra slimline column speakers



SPH-135TC (10.1430)





Model	SPH-135C	SPH-130AL	SPH-135TC
Impedance (Z)	8 Ω	8 Ω	2 x 8 Ω
Frequency range	f3-8,000 Hz	f3-4,500 Hz	f3-6,000 Hz
Resonant frequency (fs)	40 Hz	48 Hz	40 Hz
Power rating	50 W	50 W	2 x 30 W
Peak music power output	80 W	100 W	2 x 60 W
Sensitivity	88 dB/W/m	88 dB/W/m	85 dB/W/m
Suspension compl. (Cms)	1.35 mm/N	1.2 mm/N	1.69 mm/N
Moving mass (Mms)	12 g	9 g	8.9 g
Mech. Q factor (Qms)	4.48	5.07	3.44
Electr. Q factor (Qes)	0.43	0.34	0.48
Total Q factor (Qts)	0.39	0.32	0.42
Equivalent volume (Vas)	17 l	10.8 l	16 l
DC resistance (Re)	6 Ω	6.4 Ω	2 x 7.5 Ω/ 3.8 Ω
Force factor (BxL)	6.5 Tm	7.22 Tm	4.2 Tm
Voice coil induct. (Le)	0.75 mH	0.6 mH	2 x 0.6 mH/ 0.6 mH
Voice coil diameter	Ø 35.5 mm	Ø 25 mm	Ø 20 mm
Voice coil former	Kapton	Kapton	aluminium
Linear excursion (X_{MAX})	± 3.5 mm	± 2.3 mm	± 2.25 mm
Eff. cone area (Sd)	95 cm^2	80 cm^2	95 cm^2
Magnet weight	500 g	440 g	380 g
Weight	1.43 kg	1.188 kg	1.08

Full specifications can be found on our website www.monacor-international.de.

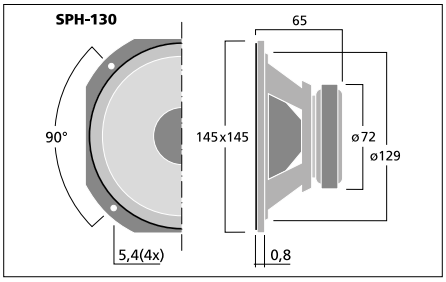
SPH-130

Order No. 10.0870

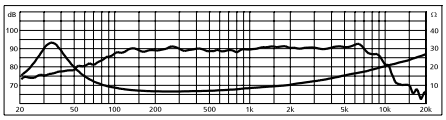
5½ 80 W MAX

Hi-fi bass-midrange speaker, 55 W, 8 Ω

- Paper cone with special coating
- Rubber surround with optimised profile
- Extra wide and linear radiation range, free of resonance
- Perfect components for modern 2-way combinations up to D'Appolito arrangements, also for use as a midrange speaker in multi-way speaker systems



SPH-130 (10.0870)





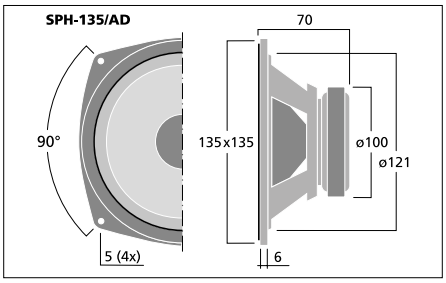
SPH-135/AD

Order No. 10.1850

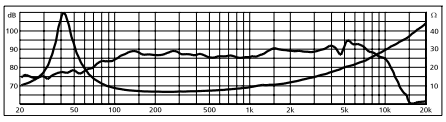
5½ 60 W MAX

Hi-fi bass-midrange speaker, 40 W, 8 Ω

- Carbonised cone of high rigidity, but with very good inside damping
- Flat wire coil
- Optimised transient response
- For any bass-midrange application in compact speakers and as high-performance midrange speaker



SPH-135/AD (10.1850)





Model	SPH-130	SPH-135/AD
Impedance (Z)	8 Ω	8 Ω
Frequency range	f3-6,000 Hz	f3-6,000 Hz
Resonant frequency (fs)	38 Hz	39 Hz
Power rating	55 W	40 W
Peak music power output	80 W	60 W
Sensitivity	89 dB/W/m	89 dB/W/m
Suspension compl. (Cms)	2.14 mm/N	2.14 mm/N
Moving mass (Mms)	8.2 g	7.8 g
Mech. Q factor (Qms)	1.91	3.40
Electr. Q factor (Qes)	0.39	0.42
Total Q factor (Qts)	0.32	0.37
Equivalent volume (Vas)	22 l	26 l
DC resistance (Re)	5.7 Ω	5.5 Ω
Force factor (BxL)	5.4 Tm	5.0 Tm
Voice coil induct. (Le)	0.5 mH	0.47 mH
Voice coil diameter	Ø 25 mm	Ø 25.5 mm
Voice coil former	aluminium	Kapton
Linear excursion (X_{MAX})	± 2 mm	± 1.75 mm
Eff. cone area (Sd)	80 cm^2	95 cm^2
Magnet weight	230 g	380 g
Weight	0.755 kg	1.1 kg

MSH-115HQ

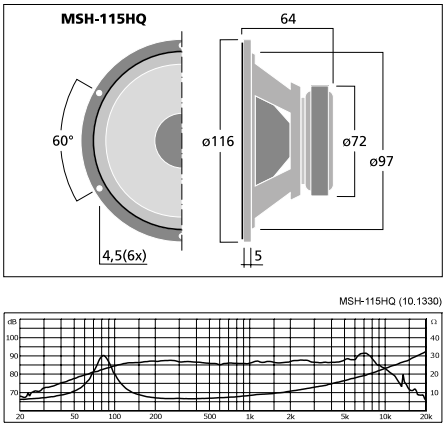
Order No. 10.1330

MSH-115HQ4

Order No. 10.5810

High-quality hi-fi midrange speakers, 50 W, 8 Ω (MSH-115HQ) or 4 Ω (MSH-115HQ4)

- 115 mm (4.5") midrange speaker
- Specialised for reproduction of the important midrange
- Diecast basket and rear-ventilated centering spider for minimum mechanical loss
- High-quality, low-resonance paper cone
- Wide and linear radiation range
- Also ideally suited for high-end car hi-fi systems due to 4 Ω technology



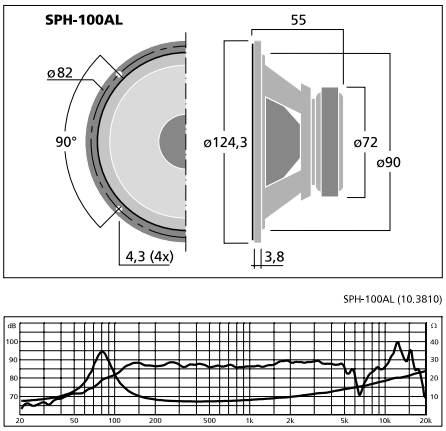


SPH-100AL

Order No. 10.3810

High-tech midrange speaker, 40 W, 8 Ω

- All-aluminium cone and dustcap
- Special design for extra reinforcement
- Extra high cone stability for maximum fine dynamics
- As a single midrange speaker and also in D'Appolito arrangements, an absolutely high-end speaker



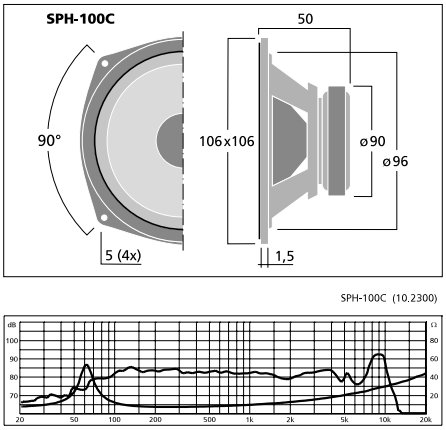


SPH-100C

Order No. 10.2300

Hi-fi bass-midrange speaker, 30 W, 8 Ω

- A remarkable high-end bass-midrange speaker
- Exceptionally long excursion for this size
- Parameters for really low bass frequencies
- For use in miniature speaker systems with a really deep fundamental bass and for any bass-midrange application of high requirements, for hi-fi and audiophile car hi-fi range





Model	MSH-115HQ	MSH-115HQ4	SPH-100AL	SPH-100C
Impedance (Z)	8 Ω	4 Ω	8 Ω	8 Ω
Frequency range	fx-8,000 Hz	fx-8,000 Hz	fx-5,000 Hz	f3-6,000 Hz
Resonant frequency (fs)	89 Hz	95 Hz	80 Hz	50 Hz
Power rating	50 W	50 W	40 W	30 W
Peak music power output	100 W	100 W	80 W	50 W
Sensitivity	87 dB/W/m	88 dB/W/m	87 dB/W/m	84 dB/W/m
Suspension compl. (Cms)	0.5 mm/N	0.4 mm/N	0.79 mm/N	1.45 mm/N
Moving mass (Mms)	5.8 g	5.3 g	4.9 g	7 g
Mech. Q factor (Qms)	3.26	3.49	3.05	3.53
Electr. Q factor (Qes)	0.66	0.71	0.67	0.50
Total Q factor (Qts)	0.55	0.59	0.55	0.44
Equivalent volume (Vas)	2.2 l	1.6 l	3.2 l	6 l
DC resistance (Re)	5.8 Ω	3.5 Ω	6.2 Ω	6 Ω
Force factor (BxL)	5.35 Tm	4.2 Tm	4.81 Tm	5.1 Tm
Voice coil induct. (Le)	0.53 mH	0.25 mH	0.3 mH	0.65 mH
Voice coil diameter	Ø 25 mm	Ø 25 mm	Ø 25 mm	Ø 25.5 mm
Voice coil former	aluminium	aluminium	aluminium	Kapton
Linear excursion (X_{MAX})	± 3 mm	± 2 mm	± 1.5 mm	± 4 mm
Eff. cone area (Sd)	55 cm^2	55 cm^2	55 cm^2	54 cm^2
Magnet weight	230 g	230 g	250 g	300 g
Weight	0.67 kg	0.67 kg	0.63 kg	0.87 kg

Full specifications can be found on our website www.monacor-international.de.

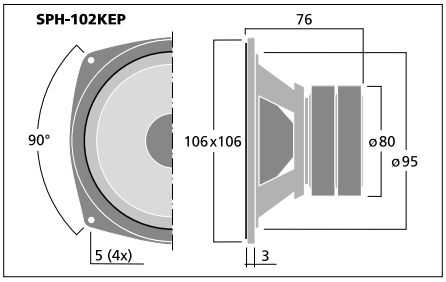
SPH-102KEP

Order No. 10.2590

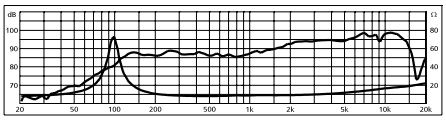
4 FERRO FLUID 120 W MAX

High-tech midrange speaker, 40 W, 8 Ω

- Double magnet
- Diecast aluminium basket
- Kevlar cone
- Rubber surround
- Ferrofluid
- Phase plug
- Extra low cone weight
- Perfect midrange characteristics for hi-fi applications of high requirements



SPH-102KEP (10.2590)





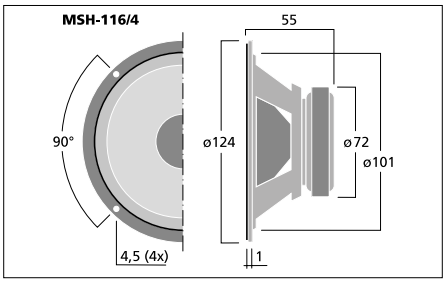
MSH-116/4

Order No. 10.2150

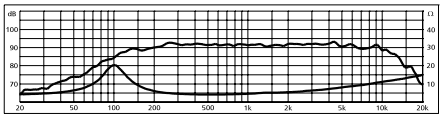
4 120 W MAX

Hi-fi midrange speaker, 40 W, 4 Ω

- High-end technology
- Coated special cone
- Dust cap with high damping
- Extra flat basket (no need for recessed installation)
- Best possible linearity
- Perfect mass-drive ratio with a wide bandwidth
- For a sound of the extra class



MSH-116/4 (10.2150)





Model	SPH-102KEP	MSH-116/4
Impedance (Z)	8 Ω	4 Ω
Frequency range	fx-10,000 Hz	fx-10,000 Hz
Resonant frequency (fs)	95 Hz	95 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	-	300/5,000 Hz
Power rating	40 W	40 W
Peak music power output	120 W	120 W
Sensitivity	88 dB/W/m	91 dB/W/m
Suspension compl. (Cms)	0.94 mm/N	0.62 mm/N
Moving mass (Mms)	3 g	4.6 g
Mech. Q factor (Qms)	5.70	2.38
Electr. Q factor (Qes)	0.57	0.48
Total Q factor (Qts)	0.52	0.40
Equivalent volume (Vas)	3 l	2.7 l
DC resistance (Re)	7.2 Ω	3.2 Ω
Force factor (BxL)	4.75 Tm	4.3 Tm
Voice coil induct. (Le)	0.20 mH	0.18 mH
Voice coil diameter	Ø 25.5 mm	Ø 25 mm
Voice coil former	Kapton	aluminium
Linear excursion (X_{MAX})	± 1 mm	± 1 mm
Eff. cone area (Sd)	55 cm^2	55 cm^2
Magnet weight	2 x 290 g	240 g
Weight	1.005 kg	0.6 kg

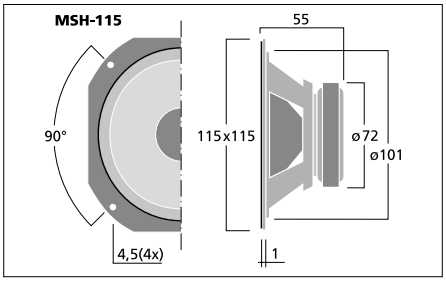
MSH-115

Order No. 10.1840

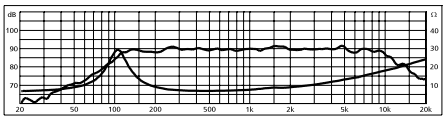
4 Ω | 120 W MAX

Hi-fi midrange speaker, 50 W, 8 Ω

- High-end technology matching the SPH-... series
- Coated special cone
- Dust cap with high damping
- Extra flat basket (no need to recessed installation)
- Top linearity
- Perfect mass-drive ratio
- Wide bandwidth
- Hi-fi for highest requirements



MSH-115 (10.1840)





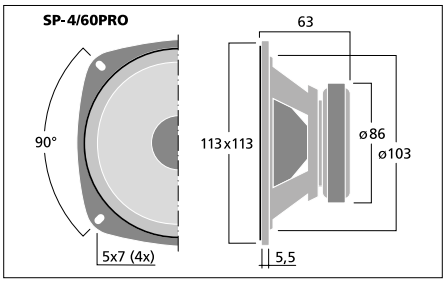
SP-4/60PRO

Order No. 10.1600

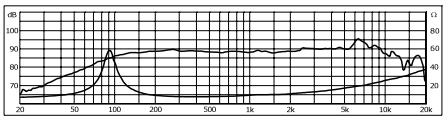
4 Ω | 60 W MAX

PA midrange speaker, 30 W, 8 Ω

- 10 cm (4") PA midrange speaker
- Midrange speaker from the L-RAY/1000
- Very linear and wide frequency range
- Excellent sound and dynamic characteristics
- Due to a great linear excursion for a midrange system, very low crossover frequency at subwoofer systems possible
- Ideally suited for small PA systems, column speakers and also as a hi-fi midrange speaker



SP-4/60PRO (10.1600)





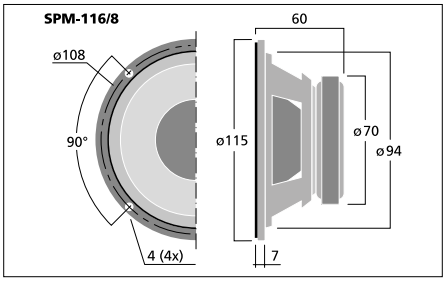
SPM-116/8

Order No. 10.5360

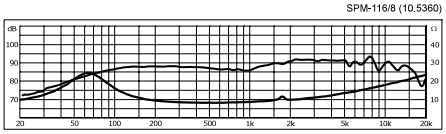
4 Ω | 80 W MAX

Hi-fi bass-midrange speaker, 40 W, 8 Ω

- Excellent replacement speaker of the same quality as from the original equipment manufacturer
- Low-resonance paper cone
- Long-term stable rubber surround
- Also very well-suited for use as a full range speaker



SPM-116/8 (10.5360)





Model	MSH-115	SP-4/60PRO	SPM-116/8
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	fx-10,000 Hz	f3-10,000 Hz	f3-18,000 Hz
Resonant frequency (fs)	85 Hz	92 Hz	75 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	300/5,000 Hz	-	-
Power rating	50 W	30 W	40 W
Peak music power output	120 W	60 W	80 W
Sensitivity	89 dB/W/m	90 dB/W/m	87 dB/W/m
Suspension compl. (Cms)	0.8 mm/N	0.47 mm/N	0.98 mm/N
Moving mass (Mms)	4.5 g	6.3 g	3.8 g
Mech. Q factor (Qms)	1.98	5.35	1.9
Electr. Q factor (Qes)	0.55	0.67	0.81
Total Q factor (Qts)	0.43	0.60	0.57
Equivalent volume (Vas)	4 l	3.04 l	4.5 l
DC resistance (Re)	6.3 Ω	6.76 Ω	7.2 Ω
Force factor (BxL)	4.8 Tm	5.85 Tm	4.2 Tm
Voice coil induct. (Le)	0.3 mH	0.3 mH	0.4 mH
Voice coil diameter	Ø 25 mm	Ø 25 mm	Ø 20.5 mm
Voice coil former	aluminium	Kapton	aluminium
Linear excursion (X_{MAX})	± 1.5 mm	± 2.3 mm	± 1.5 mm
Eff. cone area (Sd)	55 cm^2	68 cm^2	57 cm^2
Magnet weight	230 g	370 g	230 g
Weight	0.6 kg	0.9 kg	0.557 kg

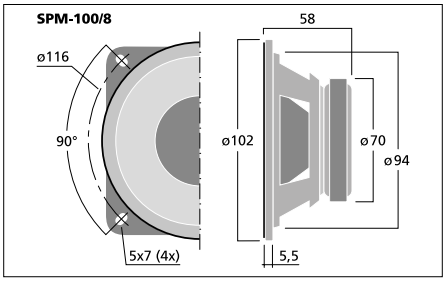
SPM-100/8

Order No. 10.5350

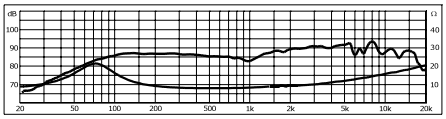
4 Ω 50 W MAX

Compact hi-fi bass-midrange speaker, 25 W, 8 Ω

- Excellent replacement speaker of the same quality as from the original equipment manufacturer
- Low-resonance paper cone
- Long-term stable rubber surround
- Also very well-suited for use as a full range speaker



SPM-100/8 (10.5350)





SP-60/8

Order No. 10.0740

SP-60/4

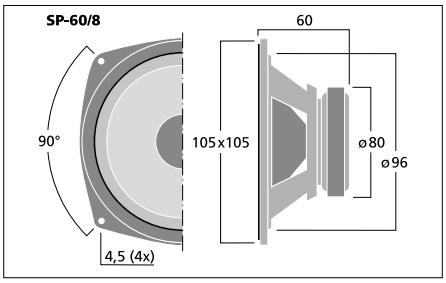
Order No. 10.0730

4 Ω 60 W MAX

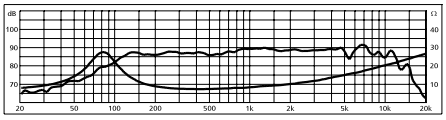
4 Ω 60 W MAX

Hi-fi bass-midrange speakers, 30 W, 8 Ω (/8) and 4 Ω (/4)

- Drilled pole core
- Good frequency response linearity
- For small speaker systems in the hi-fi range



SP-60/8 (10.0740)





SPP-110/8

Order No. 10.1060

SPP-110/4

Order No. 10.1050

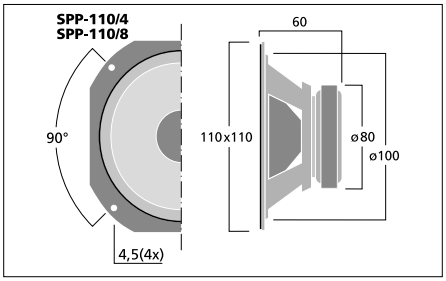
4 Ω 60 W MAX

4 Ω 60 W MAX

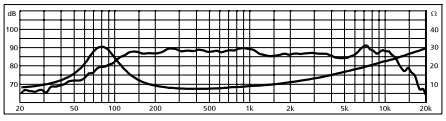
Hi-fi bass-midrange speakers, 30 W, 8 Ω (/8) and 4 Ω (/4)

- Carbonised plastic cone
- Drilled pole core
- Linear wide frequency response in very small cabinets

SPP-110/4 = 4 Ω
SPP-110/8 = 8 Ω



SPP-110/8 (10.1060)





Model	SPM-100/8	SP-60/8	SP-60/4	SPP-110/8	SPP-110/4
Impedance (Z)	8 Ω	8 Ω	4 Ω	8 Ω	4 Ω
Frequency range	f3-18,000 Hz	f3-8,000 Hz	f3-8,000 Hz	-	f3-8,000 Hz
Resonant frequency (fs)	75 Hz	65 Hz	65 Hz	55 Hz	53 Hz
Power rating	25 W	30 W	30 W	30 W	30 W
Peak music power output	50 W	60 W	60 W	60 W	60 W
Sensitivity	86 dB/W/m	90 dB/W/m	90 dB/W/m	90 dB/W/m	90 dB/W/m
Suspension compl. (Cms)	0.8 mm/N	0.8 mm/N	0.8 mm/N	1.89 mm/N	1.95 mm/N
Moving mass (Mms)	4.4 g	4 g	4 g	4.4 g	4.3 g
Mech. Q factor (Qms)	1.96	2.10	2.10	2.01	2.01
Electr. Q factor (Qes)	1.01	0.64	0.64	0.46	0.46
Total Q factor (Qts)	0.67	0.49	0.49	0.37	0.37
Equivalent volume (Vas)	4 l	6 l	6 l	8 l	8 l
DC resistance (Re)	7.2 Ω	6.5 Ω	3.3 Ω	6.5 Ω	3.3 Ω
Force factor (BxL)	4.1 Tm	4.1 Tm	2.9 Tm	4.6 Tm	3.3 Tm
Voice coil induct. (Le)	0.4 mH	0.3 mH	0.2 mH	0.4 mH	0.3 mH
Voice coil diameter	Ø 20.4 mm	Ø 25.5 mm	Ø 25.5 mm	Ø 25 mm	Ø 25.5 mm
Voice coil former	aluminium	aluminium	aluminium	aluminium	aluminium
Linear excursion (X_{MAX})	± 1 mm	± 2 mm	± 2 mm	± 2 mm	± 2 mm
Eff. cone area (Sd)	57 cm^2	55 cm^2	55 cm^2	55 cm^2	55 cm^2
Magnet weight	220 g	280 g	280 g	280 g	280 g
Weight	0.538 kg	0.654 kg	0.654 kg	0.81 kg	0.809 kg

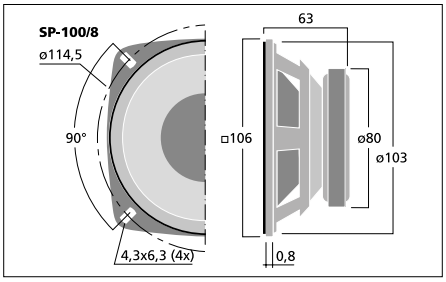
SP-100/8

Order No. 10.3780

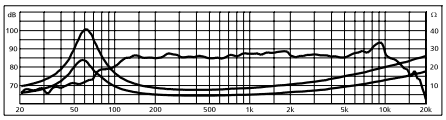
4 Ω | 60 W MAX

Hi-fi bass-midrange speaker, 30 W, 8 Ω

- Robust paper cone
- High-quality aluminium coil
- Drilled pole core
- Rubber surround
- Excellent radiation and transient response



SP-100/8, /4





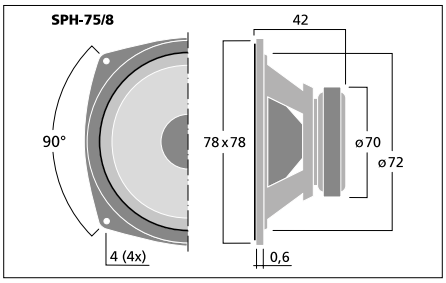
SPH-75/8

Order No. 10.2770

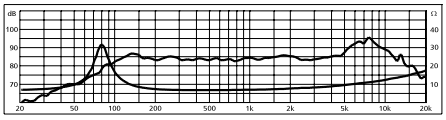
3 Ω | 30 W MAX

Miniature hi-fi bass-midrange speaker, 15 W, 8 Ω

- Polypropylene cone
- Rubber surround
- Drilled pole core for an exceptionally high power capability
- For very small speaker systems, e.g. surround speakers



SPH-75/8 (10.2770)





SP-45/8

Order No. 10.0690

3 Ω | 40 W MAX

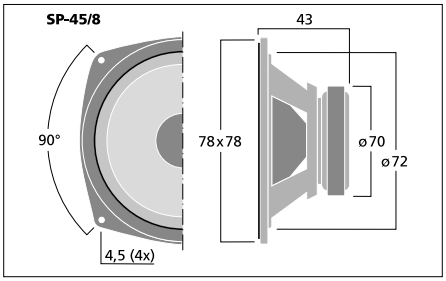
SP-45/4

Order No. 10.0680

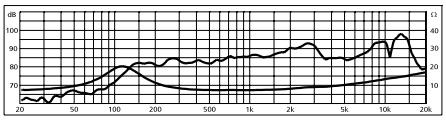
3 Ω | 40 W MAX

Bass-midrange speakers, 20 W, 8 Ω (/8) and 4 Ω (/4)

Particularly suitable for mini speaker systems and column speakers.



SP-45/8 (10.0690)





Model	SP-100/8	SPH-75/8	SP-45/8	SP-45/4
Impedance (Z)	8 Ω	8 Ω	8 Ω	4 Ω
Frequency range	f3-7,000 Hz	f3-16,000 Hz	f3-16,000 Hz	f3-16,000 Hz
Resonant frequency (fs)	61 Hz	85 Hz	120 Hz	120 Hz
Power rating	30 W	15 W	20 W	20 W
Peak music power output	60 W	30 W	40 W	40 W
Sensitivity	88 dB/W/m	83 dB/W/m	88 dB/W/m	88 dB/W/m
Suspension compl. (Cms)	1.23 mm/N	1.3 mm/N	1.1 mm/N	1.1 mm/N
Moving mass (Mms)	5.5 g	2.7 g	1.6 g	1.6 g
Mech. Q factor (Qms)	2.28	3.9	2.82	2.82
Electr. Q factor (Qes)	0.44	0.65	0.68	0.68
Total Q factor (Qts)	0.37	0.56	0.55	0.55
Equivalent volume (Vas)	4.7 l	1.9 l	1.5 l	1.5 l
DC resistance (Re)	6.5 Ω	6.2 Ω	6.5 Ω	3.3 Ω
Force factor (BxL)	5.5 Tm	3.4 Tm	3.4 Tm	2.4 Tm
Voice coil induct. (Le)	0.4 mH	0.15 mH	0.15 mH	0.1 mH
Voice coil diameter	Ø 25 mm	Ø 20.5 mm	Ø 19 mm	Ø 19 mm
Voice coil former	aluminium	Kapton	aluminium	aluminium
Linear excursion (X_{MAX})	± 2.5 mm	± 0.75 mm	± 0.75 mm	± 0.75 mm
Eff. cone area (Sd)	52 cm^2	32 cm^2	31 cm^2	31 cm^2
Magnet weight	280 g	150 g	150 g	150 g
Weight	0.8 kg	0.4 kg	0.411 kg	0.412 kg

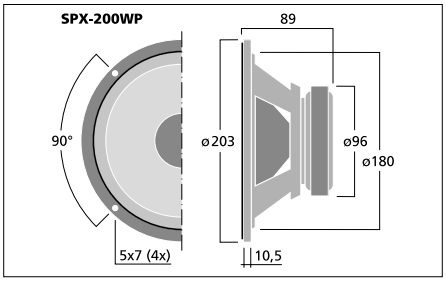
SPX-200WP

Order No. 10.5560

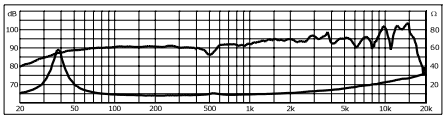
8 | 100 W MAX

Hi-fi full range speaker, 50 W, 8 Ω

- Excellent sound quality
- Very wide frequency range, slightly rising towards the high frequencies
- Low-resonance and weatherproof polypropylene cone with rubber surround
- Very good bass reproduction
- Ideally suited for application in closed cabinets



SPX-200WP (10.5560)





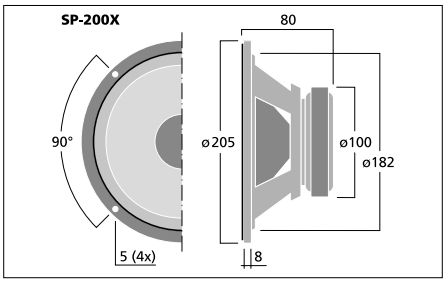
SP-200X

Order No. 10.0400

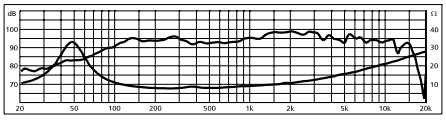
8 | 70 W MAX

Hi-fi full range speaker, 35 W, 8 Ω

- One-piece rubber gasket
- Very good linearity
- High efficiency
- For PA systems of special sound requirements or in large column speakers



SP-200X (10.0400)





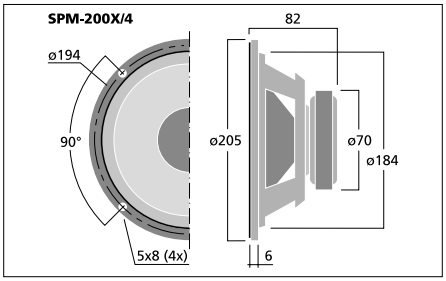
SPM-200X/4

Order No. 10.5370

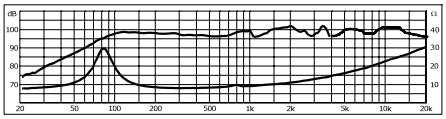
8 | 60 W MAX

Full range speaker, 30 W, 4 Ω

- Sheet steel basket
- Paper cone with dual cone
- Wide frequency response
- High efficiency
- For PA and hi-fi applications
- Subwoofer support required for hi-fi applications



SPM-200X/4 (10.5370)





Model	SPX-200WP	SP-200X	SPM-200X/4
Impedance (Z)	8 Ω	8 Ω	4 Ω
Frequency range	f3-18,000 Hz	f3-15,000 Hz	f3-15,000 Hz
Resonant frequency (fs)	36 Hz	50 Hz	89 Hz
Power rating	50 W	35 W	30 W
Peak music power output	100 W	70 W	60 W
Sensitivity	89 dB/W/m	92 dB/W/m	94 dB/W/m
Suspension compl. (Cms)	0.95 mm/N	0.77 mm/N	0.27 mm/N
Moving mass (Mms)	19.7 g	11.5 g	9.9 g
Mech. Q factor (Qms)	4.18	1.96	2.69
Electr. Q factor (Qes)	0.69	0.7	1.52
Total Q factor (Qts)	0.59	0.52	0.97
Equivalent volume (Vas)	60.5 l	48 l	14.9 l
DC resistance (Re)	7.6 Ω	7.2 Ω	3.7 Ω
Force factor (BxL)	6.79 Tm	6.1 Tm	3.9 Tm
Voice coil induct. (Le)	0.35 mH	0.3 mH	0.2 mH
Voice coil diameter	Ø 25 mm	Ø 25.5 mm	Ø 25 mm
Voice coil former	Kapton	aluminium	aluminium
Linear excursion (X_{MAX})	± 2 mm	± 1.6 mm	± 1 mm
Eff. cone area (Sd)	213 cm^2	210 cm^2	201 cm^2
Magnet weight	564 g	500 g	229 g
Weight	1.32 kg	1.35 kg	0.734 kg

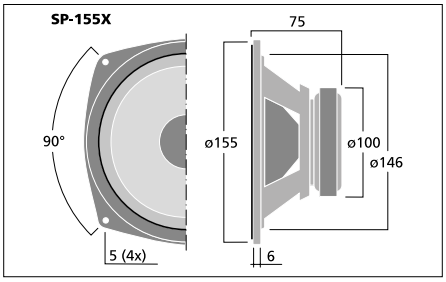
SP-155X

Order No. 10.1360

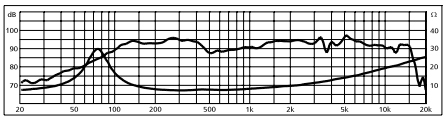
6 | 50 W MAX

Full range speaker, 25 W, 8 Ω

- Dual cone
- Very wide bandwidth and linear reproduction
- High efficiency
- For any PA application up to hi-fi



SP-155X (10.1360)





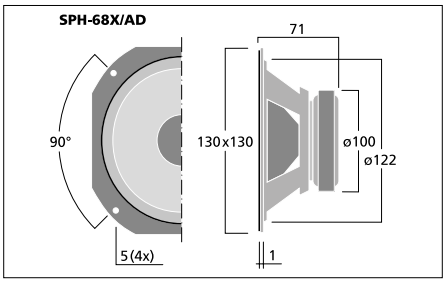
SPH-68X/AD

Order No. 10.1390

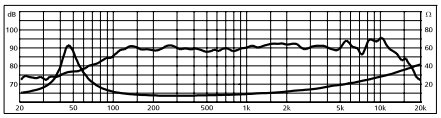
5 | 60 W MAX

Full range speaker, 30 W, 8 Ω

- Drilled pole core
- Flat wire voice coil
- Very good frequency response linearity also in the high frequency range
- For general applications



SPH-68X/AD (10.1390)





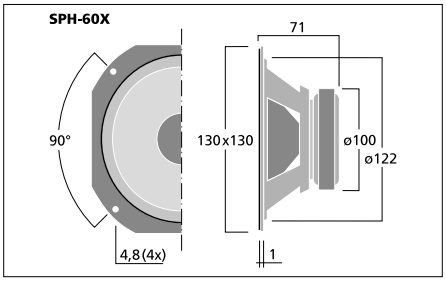
SPH-60X

Order No. 10.0920

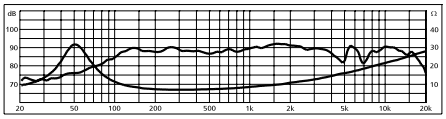
5 | 60 W MAX

Full range speaker, 30 W, 8 Ω

- Drilled pole core
- Very good frequency response linearity also in the high frequency range
- For general applications
- Speaker from the successful building concepts CT193 and CT194 of the magazine Klang+Ton



SPH-60X (10.0920)





Model	SP-155X	SPH-68X/AD	SPH-60X
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	f3-20,000 Hz	f3-20,000 Hz	f3-20,000 Hz
Resonant frequency (fs)	70 Hz	60 Hz	60 Hz
Power rating	25 W	30 W	30 W
Peak music power output	50 W	60 W	60 W
Sensitivity	93 dB/W/m	89 dB/W/m	89 dB/W/m
Suspension compl. (Cms)	0.75 mm/N	1.1 mm/N	1.19 mm/N
Moving mass (Mms)	6.5 g	6.5 g	5.9 g
Mech. Q factor (Qms)	2.87	3.19	2.17
Electr. Q factor (Qes)	0.88	0.49	0.53
Total Q factor (Qts)	0.67	0.43	0.42
Equivalent volume (Vas)	14 l	9.7 l	9 l
DC resistance (Re)	6.5 Ω	6.5 Ω	6.2 Ω
Force factor (BxL)	4.6 Tm	5.7 Tm	5.1 Tm
Voice coil induct. (Le)	0.4 mH	0.5 mH	0.4 mH
Voice coil diameter	Ø 25.5 mm	Ø 25.5 mm	Ø 25.5 mm
Voice coil former	aluminium	Kapton	aluminium
Linear excursion (X_{MAX})	± 1 mm	± 1 mm	± 1.3 mm
Eff. cone area (Sd)	117 cm^2	80 cm^2	80 cm^2
Magnet weight	380 g	370 g	370 g
Weight	1.14 kg	1.1 kg	1.1 kg

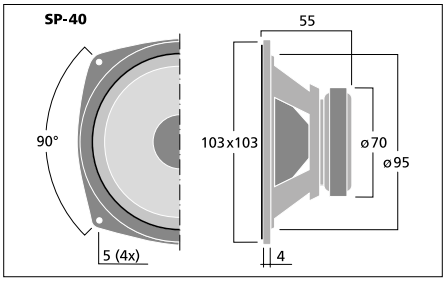
SP-40

Order No. 10.0670

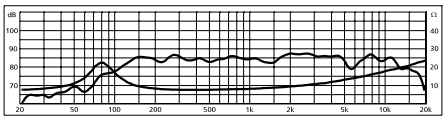
4 Ω | 16 W MAX

Universal speaker, 8 W, 8 Ω

- Inverse surround
- Plastic dust cap
- Good radiation quality
- Wide frequency response
- High mechanical capability



SP-40 (10.0670)





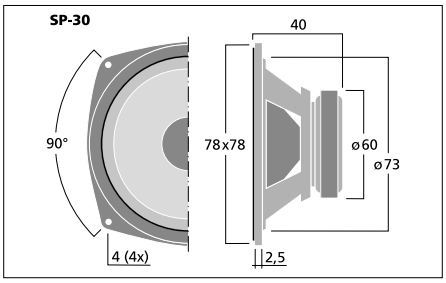
SP-30

Order No. 10.1530

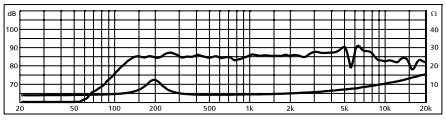
3 Ω | 10 W MAX

Universal speaker, 5 W, 4 Ω

- Dual cone
- Wide frequency response
- For general applications from car speakers to column speakers



SP-30 (10.1530)





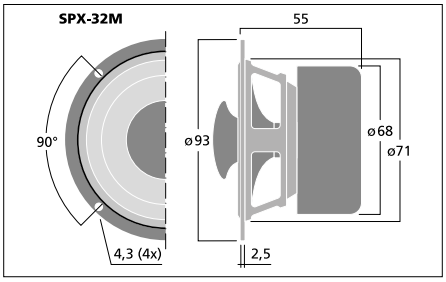
Model	SP-40	SP-30
Impedance (Z)	8 Ω	4 Ω
Frequency range	f3-10,000 Hz	f3-15,000 Hz
Resonant frequency (fs)	80 Hz	150 Hz
Power rating	8 W	5 W
Peak music power output	16 W	10 W
Sensitivity	86 dB/W/m	88 dB/W/m
Suspension compl. (Cms)	0.62 mm/N	0.52 mm/N
Moving mass (Mms)	5.7 g	1.7 g
Mech. Q factor (Qms)	2.5	2.5
Electr. Q factor (Qes)	0.97	1.04
Total Q factor (Qts)	0.7	0.73
Equivalent volume (Vas)	2.6 l	0.7 l
DC resistance (Re)	6.5 Ω	3.5 Ω
Force factor (BxL)	4.33 Tm	2.33
Voice coil induct. (Le)	0.2 mH	0.18 mH
Voice coil diameter	Ø 25.5 mm	Ø 20 mm
Voice coil former	aluminium	aluminium
Linear excursion (X_{MAX})	± 2 mm	± 1.5 mm
Eff. cone area (Sd)	55 cm^2	31 cm^2
Magnet weight	150 g	150 g
Weight	0.46 kg	0.3 kg

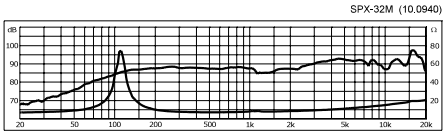
SPX-32M

Order No. 10.0940

Hi-fi full range speaker, 20 W, 8 Ω

- Excellent sound quality
- High-quality paper cone
- Wooden phase plug for optimising radiation pattern
- Rear-ventilated centering spider
- Magnet system with shielding
- Application in small speakers or satellite systems
- Ideally suited for application in FAST speakers (full range and subwoofer technology)





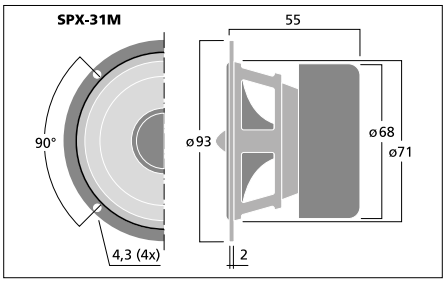


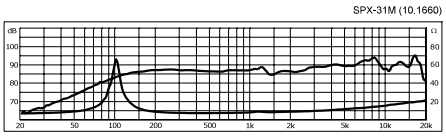
SPX-31M

Order No. 10.1660

Hi-fi full range speaker, 20 W, 8 Ω

- Excellent sound quality
- High-quality paper cone
- Aluminium phase plug for optimising radiation pattern
- Rear-ventilated centering spider
- Magnet system with shielding
- Application in small speakers or satellite systems
- Ideally suited for application in FAST speakers (full range and subwoofer technology)





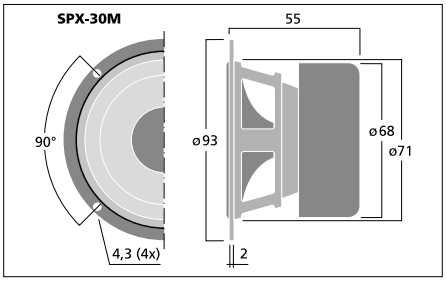


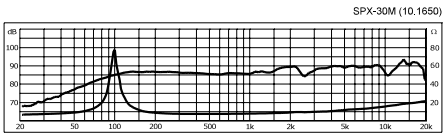
SPX-30M

Order No. 10.1650

Hi-fi full range speaker, 20 W, 8 Ω

- Excellent sound quality
- Low-resonance polypropylene cone
- Rear-ventilated centering spider
- Magnet system with shielding
- Application in small speakers or satellite systems
- Ideally suited for application in FAST speakers (full range and subwoofer technology)







Model	SPX-32M	SPX-31M	SPX-30M
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	f3-22,000 Hz	f3-20,000 Hz	f3-20,000 Hz
Resonant frequency (fs)	110 Hz	110 Hz	100 Hz
Power rating	20 W	20 W	20 W
Peak music power output	40 W	40 W	40 W
Sensitivity	88 dB/W/m	86 dB/W/m	86 dB/W/m
Suspension compl. (Cms)	1.11 mm/N	0.92 mm/N	1.23 mm/N
Moving mass (Mms)	1.7 g	1.9 g	2.1 g
Mech. Q factor (Qms)	7.66	3.707	3.453
Electr. Q factor (Qes)	0.60	0.69	0.89
Total Q factor (Qts)	0.56	0.58	0.71
Equivalent volume (Vas)	1.6 l	1.32 l	1.78 l
DC resistance (Re)	6.6 Ω	6.4 Ω	6.4 Ω
Force factor (BxL)	3.69 Tm	3.64 Tm	3.05 Tm
Voice coil induct. (Le)	0.18 mH	0.18 mH	0.18 mH
Voice coil diameter	Ø 20 mm	Ø 20 mm	Ø 20 mm
Voice coil former	Kapton	Kapton	Kapton
Linear excursion (X_{MAX})	± 1.1 mm	± 1.1 mm	± 1.1 mm
Eff. cone area (Sd)	32 cm^2	32 cm^2	32 cm^2
Magnet weight	99 g	119 g	119 g
Weight	0.498 kg	0.5 kg	0.5 kg

Full specifications can be found on our website www.monacor-international.de.

SPH-30X/8SW

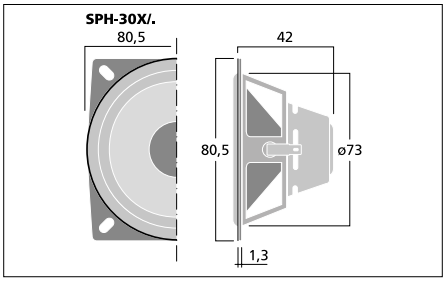
Order No. 10.4190

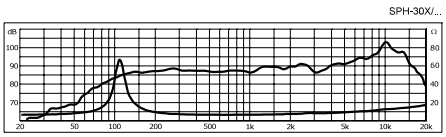
SPH-30X/4SW

Order No. 10.4180

High-quality hi-fi full range speakers, 20 W, 8 Ω (/8) or 4 Ω (/4), with black Kevlar cone

- Well-damped Kevlar cone of extra low weight
- Neodymium magnet system with double magnet and full air ventilation
- Specially developed basket also for multiple arrangements, e.g. in column speakers
- High efficiency





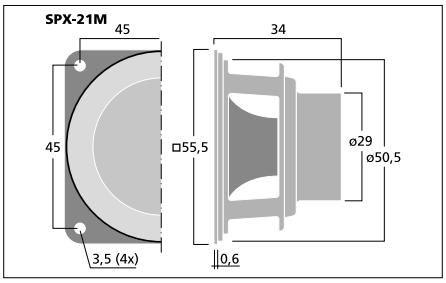


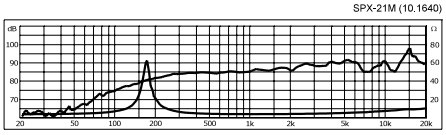
SPX-21M

Order No. 10.1640

Hi-fi full range speaker, 12 W, 4 Ω

- Excellent sound quality
- Inverse laminated cone and ventilated centering spider
- Neodymium magnet system
- Voice coil system of very low moving mass
- Application in small speakers or satellite systems
- Ideally suited for line arrays, column speakers
- Combined with bass-midrange speakers, very well-suited as a tweeter system with a low crossover frequency





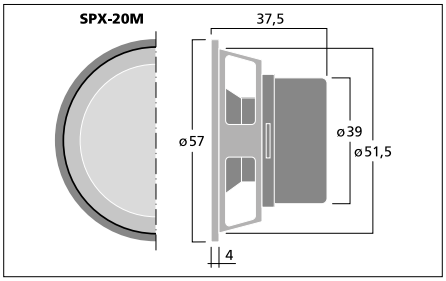


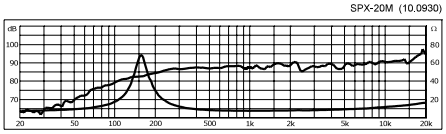
SPX-20M

Order No. 10.0930

Miniature hi-fi full range speaker, 15 W, 8 Ω

- Round steel basket with rear-ventilated centering spider
- Adhesive mounting or clamp mounting
- Inverse laminated cone
- Efficient neodymium drive system
- Perfect full range reproduction with an excellent efficiency in relation to its size
- 25 mm voice coil of high power capability







Model	SPH-30X/8SW	SPH-30X/4SW	SPX-21M	SPX-20M
Impedance (Z)	8 Ω	4 Ω	4 Ω	8 Ω
Frequency range	f3-17,000 Hz	f3-17,000 Hz	f3-22,000 Hz	f3-22,000 Hz
Resonant frequency (fs)	105 Hz	105 Hz	170 Hz	157 Hz
Power rating	20 W	20 W	12 W	15 W
Peak music power output	50 W	50 W	25 W	30 W
Sensitivity	87 dB/W/m	87 dB/W/m	84 dB/W/m	87 dB/W/m
Suspension compl. (Cms)	0.90 mm/N	0.84 mm/N	0.6 mm/N	0.76 mm/N
Moving mass (Mms)	2.65 g	2.63 g	1.45 g	1.3 g
Mech. Q factor (Qms)	8.59	9.35	4.66	4.52
Electr. Q factor (Qes)	0.49	0.39	0.53	0.46
Total Q factor (Qts)	0.42	0.42	0.47	0.42
Equivalent volume (Vas)	1.3 l	1.06 l	0.14 l	0.2 l
DC resistance (Re)	5.7 Ω	3.55 Ω	3.74 Ω	6.9 Ω
Force factor (BxL)	4.48 Tm	3.91 Tm	3.32 Tm	4.5 Tm
Voice coil induct. (Le)	0.5 mH	0.5 mH	0.12 mH	0.13 mH
Voice coil diameter	Ø 21 mm	Ø 21 mm	Ø 20 mm	Ø 25 mm
Voice coil former	Kapton	Kapton	Kapton	Kapton
Linear excursion (X_{MAX})	± 2 mm	± 2 mm	± 1.2 mm	± 0.5 mm
Eff. cone area (Sd)	30 cm^2	30 cm^2	13 cm^2	13 cm^2
Magnet weight	neodymium	neodymium	25.8 g	neodymium
Weight	141 g	143 g	0.09 kg	0.17 kg

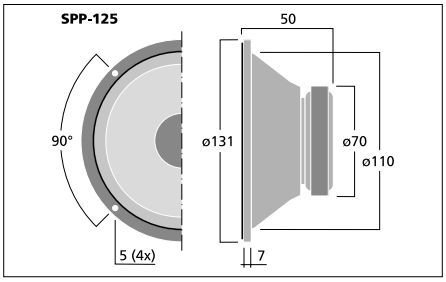
SPP-125

Order No. 10.1070

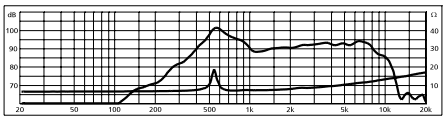
5¼ 45 W MAX

Midrange speaker, 22 W, 8 Ω

Closed basket, no further midrange cabinet required.



SPP-125(10.1070)





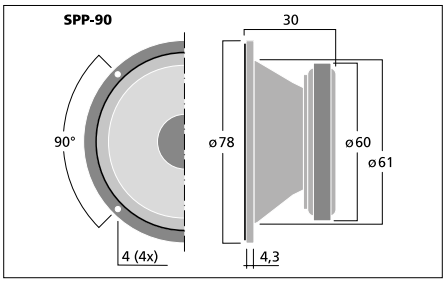
SPP-90

Order No. 10.1150

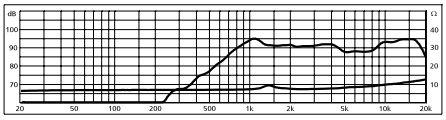
3 45 W MAX

Tweeter, 22 W, 8 Ω

- Low crossover frequency possible
- Closed basket



SPP-90 (10.1150)





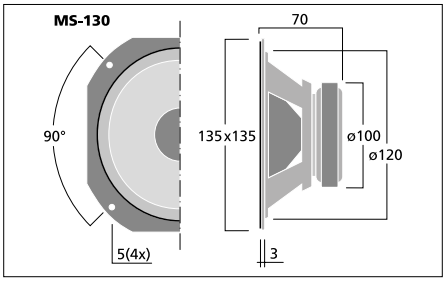
MS-130

Order No. 10.1400

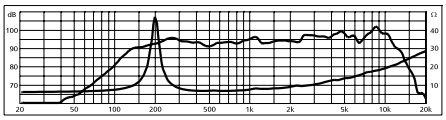
5¼ 80 W MAX

Hi-fi midrange speaker, 40 W, 8 Ω

- Inverse surround
- Coated cone
- Low moving mass for optimum transient response
- For combinations of a high level stability



MS-130 (10.1400)





Model	MS-130	SPP-125	SPP-90
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	fx-8,000 Hz	800-8,000 Hz	2,000-18,000 Hz
Resonant frequency (fs)	120 Hz	550 Hz	1,000 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	300/6,000Hz	-	-
Power rating	40 W	22 W	22 W
Peak music power output	80 W	45 W	45 W
Sensitivity	94 dB/W/m	92 dB/W/m	92 dB/W/m
Suspension compl. (Cms)	0.44 mm/N	-	-
Moving mass (Mms)	4 g	-	-
Mech. Q factor (Qms)	5.23	-	-
Electr. Q factor (Qes)	1.06	-	-
Total Q factor (Qts)	0.88	-	-
Equivalent volume (Vas)	3 l	-	-
DC resistance (Re)	6.1 Ω	6.5 Ω	6.5 Ω
Force factor (BxL)	4.2 Tm	-	-
Voice coil induct. (Le)	0.25 mH	0.2 mH	0.1 mH
Voice coil diameter	Ø 25.5 mm	Ø 20 mm	Ø 15 mm
Voice coil former	Kapton	aluminium	aluminium
Linear excursion (X_{MAX})	± 0.7 mm	-	-
Eff. cone area (Sd)	70 cm^2	73 cm^2	23 cm^2
Magnet weight	500 g	150 g	85 g
Weight	1.3 kg	0.472 kg	0.23

Full specifications can be found on our website www.monacor-international.de.

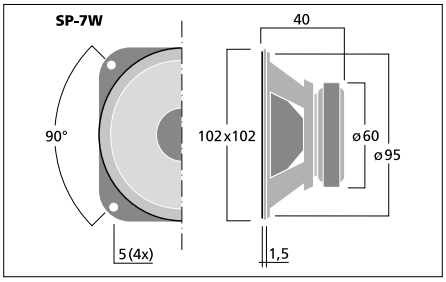
SP-7W

Order No. 10.0750

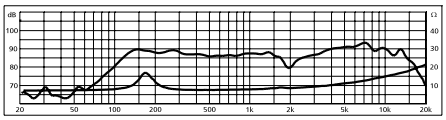
4 Ω 7 W MAX

Universal speaker, 4 W, 8 Ω

- Soft inverse suspension
- Slimline design



SP-7W (10.0750)





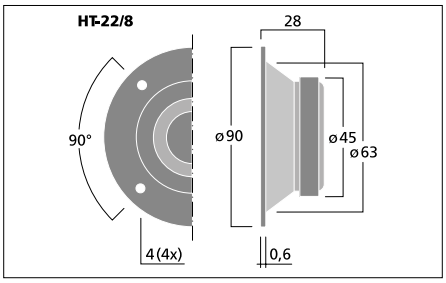
HT-22/8

Order No. 10.0180

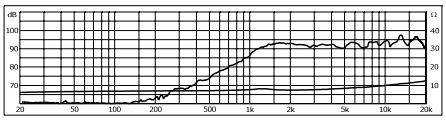
2 Ω 20 W MAX

Cone tweeter, 10 W, 8 Ω

- Classic tweeter for hi-fi, car hi-fi and for replacement purposes
- Closed basket



HT-22/8 (10.0180)





Model	SP-7W	HT-22/8
Impedance (Z)	8 Ω	8 Ω
Frequency range	f3-10,000 Hz	fx-19,000 Hz
Resonant frequency (fs)	160 Hz	1,500 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	-	2,500 Hz
Power rating	4 W	10 W
Peak music power output	7 W	20 W
Sensitivity	86 dB/W/m	91 dB/W/m
Voice coil diameter	-	Ø 12 mm
Magnet weight	85 g	-
Magnet diameter	Ø 60 mm	Ø 45 mm
Mounting cutout	Ø 95 mm	Ø 63 mm
Mounting depth	38.5 mm	27.4 mm
Dimensions	102 x 102 x 40 mm	Ø 90 mm x 28 mm
Weight	0.3 kg	0.17 kg

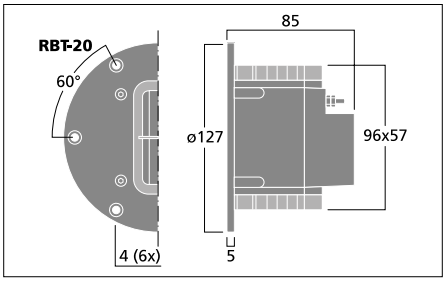
RBT-20

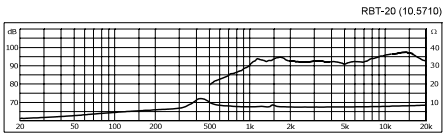
Order No. 10.5710

50 W MAX PAAR PAIR

Pair of high-end ribbon tweeters, matched, 25 W, 8 Ω

- Real ribbon tweeter with neodymium magnet system and transformer
- Fine and brilliant reproduction of the high frequency range
- Smooth, unembossed aluminium sandwich cone: 12 x 60 x 0.01 mm
- For use from 2,300 Hz on via 18 dB filter
- Robust aluminium front panel with waveguide and protective grille







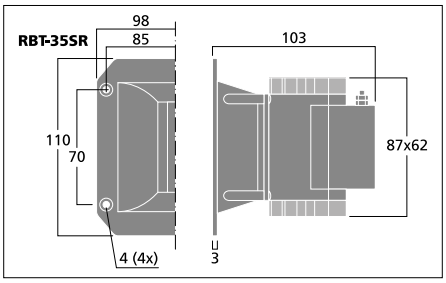
RBT-35SR

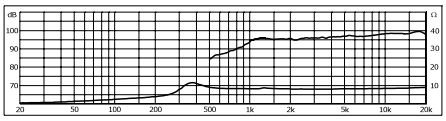
Order No. 10.5720

25 W MAX PAAR PAIR

Pair of high-end ribbon tweeters, matched, 12 W, 7 Ω

- Real ribbon tweeter with neodymium magnet system and transformer
- Due to horn front attachment, a very high sound pressure level and consistent radiation pattern
- Fine and brilliant reproduction of the high frequency range
- Smooth, unembossed aluminium sandwich cone: 9 x 60 x 0.015 mm
- For use from 2,500 Hz on via 18 dB filter
- Horn with mounting flange and protective grille







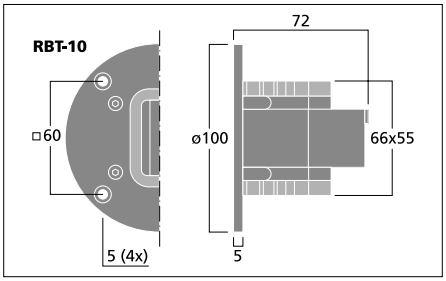
RBT-10

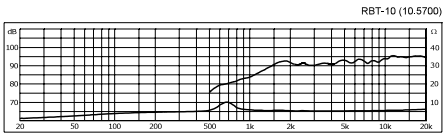
Order No. 10.5700

25 W MAX PAAR PAIR

Pair of high-end ribbon tweeters, matched, 12 W, 5 Ω

- Real ribbon tweeter with neodymium magnet system and transformer
- Fine and brilliant reproduction of the high range
- Smooth, unembossed aluminium sandwich cone: 8 x 38 x 0.015 mm
- For use from 3,500 Hz on via 18 dB filter
- Robust aluminium front panel with waveguide and protective grille







Model	RBT-20	RBT-35SR	RBT-10
Impedance (Z)	8 Ω	7 Ω	5 Ω
Frequency range	1,200-40,000 Hz	1,100-30,000 Hz	2,000-40,000 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	> 2,800 Hz	> 3,000 Hz	> 4,000 Hz
Power rating	25 W	12 W	12 W
Peak music power output	50 W	25 W	25 W
Sensitivity	94 dB/W/m	96 dB/W/m	90 dB/W/m
Magnet diameter	neodymium rods	neodymium rods	neodymium rods
Mounting cutout	96 x 57 mm	87 x 62 mm	66 x 55 mm
Mounting depth	85 mm	103 mm	72 mm
Dimensions	Ø 127 mm x 85 mm	98 x 110 x 103 mm	Ø 100 mm x 72 mm
Weight	1.654 kg	1.27 kg	847 g

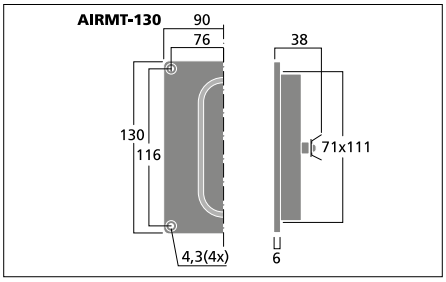
AIRMT-130

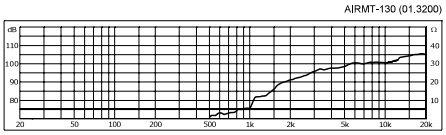
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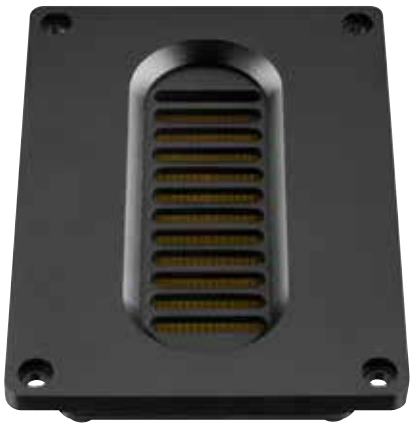
120 W MAX

High-end Air Motion Transformer tweeter, 60 W, 8 Ω

- Tweeter based on the principle of Air Motion Transformer
- High-performance neodymium magnet system
- Fine, dynamic and brilliant reproduction of the high frequencies
- Folded cone made of Kapton and aluminium
- High power capability and high efficiency
- For use from 3,000 Hz on
- Robust aluminium front panel







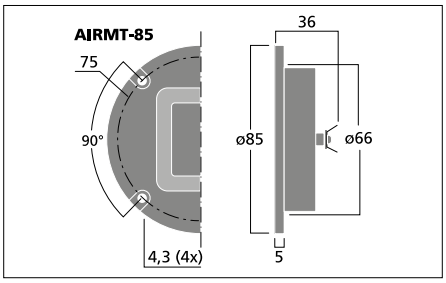
AIRMT-85

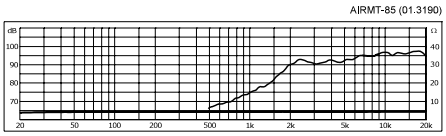
Order No. 01.3190

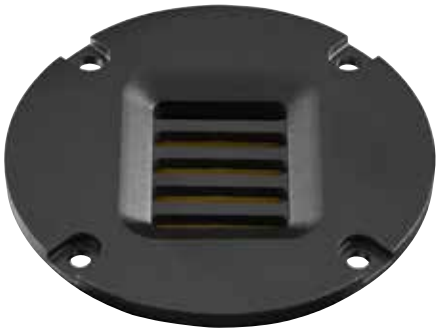
40 W MAX

High-end Air Motion Transformer tweeter, 20 W, 4 Ω

- Tweeter based on the principle of Air Motion Transformer
- High-performance neodymium magnet system
- Fine, dynamic and brilliant reproduction of the high frequencies
- Folded cone made of Kapton and aluminium
- High efficiency
- For use from 2,500 Hz on
- Robust aluminium front panel







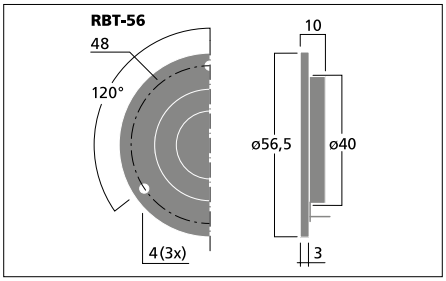
RBT-56

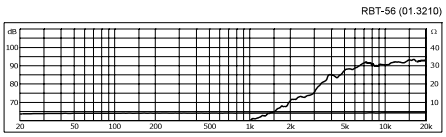
Order No. 01.3210

20 W MAX

Hi-fi ribbon tweeter, 10 W, 4 Ω

- Magnetostatic tweeter of compact size
- Neodymium magnet system
- Fine and brilliant reproduction of the high frequencies
- Round cone with Kapton and aluminium film
- For use from 5,000 Hz on
- Plastic sound diffuser panel (front)







Model	AIRMT-130	AIRMT-85	RBT-56
Impedance (Z)	8 Ω	4 Ω	4 Ω
Frequency range	2,500-30,000 Hz	2,000-30,000 Hz	5,000-40,000 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	> 3,000 Hz	> 2,500 Hz	5,000 Hz
Power rating	60 W	20 W	10 W
Peak music power output	120 W	40 W	20 W
Sensitivity	98 dB/W/m	92 dB/W/m	90 dB/W/m
DC resistance (Re)	5.2 Ω	3.8 Ω	3.5 Ω
Magnet diameter	neodymium rods	neodymium rods	magnetostatic speaker
Mounting cutout	71 x 111 mm	Ø 66 mm	Ø 40 mm
Mounting depth	40 mm	36 mm	10 mm
Dimensions	90 x 130 x 38 mm	Ø 85 mm x 36 mm	56.5 mm
Weight	0.585 kg	0.3 kg	0.046 kg

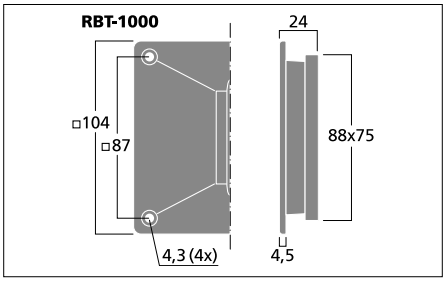
RBT-1000

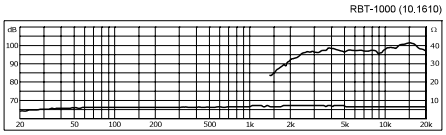
Order No. 10.1610

80 W MAX

Ribbon tweeter for PA and hi-fi, 40 W, 6 Ω

- Magnetostatic speaker with waveguide
- Tweeter system from the L-RAY/1000
- Fine and brilliant reproduction of the high range
- For use from 3,000 Hz (hi-fi) or 4,000 Hz (PA) on via 18 dB filter
- Diecast aluminium horn front attachment, neodymium magnet
- Vertical or horizontal mounting possible due to square front panel







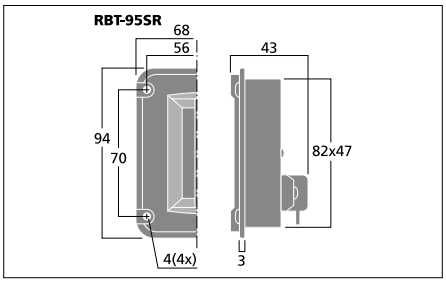
RBT-95SR

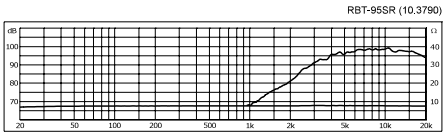
Order No. 10.3790

70 W MAX

Ribbon tweeter, 40 W, 8 Ω

- Magnetostatic speaker with horn front attachment
- Compared with RBT-95 and RBT-95SQ, increased power capability
- Neodymium magnet system
- Fine and brilliant reproduction of the high range, high efficiency
- Ideally suited for 3-way speaker systems, 4-way speaker systems or for adding tweeters to full range speakers
- Longitudinally grooved, slightly convex plastic front panel







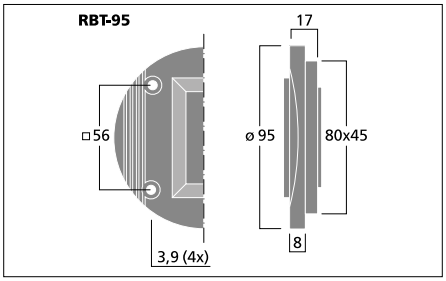
RBT-95

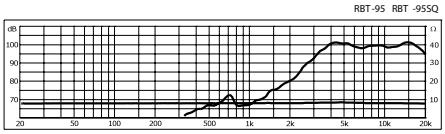
Order No. 10.2250

60 W MAX

Ribbon tweeter, 30 W, 8 Ω

- Magnetostatic speakers of a high efficiency
- Perfectly fine dynamic reproduction of the high range and the brilliance frequency range
- Very light sound of low distortion which particularly improves the stereophony in applications from 5 kHz on
- By adding a super tweeter above 8-10 kHz, e.g. even high-quality full range systems can be further improved







Model	RBT-1000	RBT-95SR	RBT-95
Impedance (Z)	6 Ω	8 Ω	8 Ω
Frequency range	fx-22,000 Hz	fx-22,000 Hz	fx-22,000 Hz
Resonant frequency (fs)	1.6 kHz	3,500 Hz	4,500 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	> 2,500 Hz	5,000 Hz	5,000 Hz
Power rating	40 W	40 W	30 W
Peak music power output	80 W	70 W	60 W
Sensitivity	96 dB/W/m	98 dB/W/m	98 dB/W/m
Magnet diameter	magnetostatic speaker	magnetostatic speaker	magnetostatic speaker
Mounting cutout	94 x 94 mm	82 x 47 mm	80 x 45 mm
Mounting depth	24 mm	43 mm	17 mm
Dimensions	104 x 104 x 24 mm	68 x 95 x 43 mm	Ø 95 x 17 mm
Weight	237 g	177 g	110 g

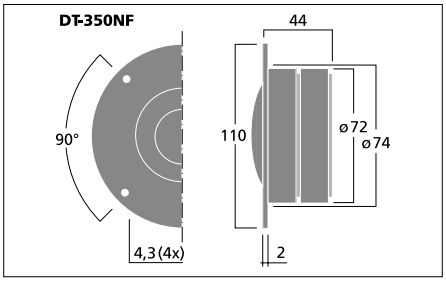
DT-350NF

Order No. 10.5680

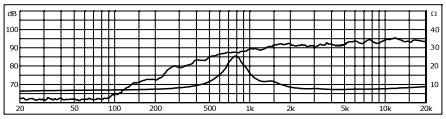
25 mm · 150 W MAX

Hi-fi dome tweeter, 80 W, 8 Ω

- 25 mm (1") metal dome, finest resolution of the high frequency range
- No ferrofluid in the air gap of the drive system
- Special light metal alloy without resonance behaviour typical for metal
- Double magnet system with drilled pole core
- Damped coupling volume for a low resonant frequency
- For use with a crossover frequency from 1,500 Hz on via 18 dB filter
- Very wide radiation range, goes beyond 25 kHz



DT-350NF (10.5680)





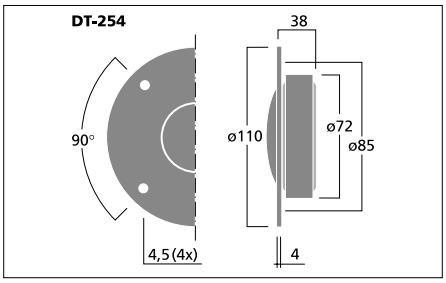
DT-254

Order No. 10.2780

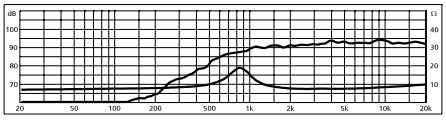
25 mm · 150 W MAX

Hi-fi dome tweeter, 90 W, 8 Ω

- Top-quality workmanship
- Minimum scattering
- Textile dome
- Very low resonant frequency
- Maximum frequency response extension with very high linearity
- Special front plate design for optimising the sound radiation
- Fine sound
- For high-end applications



DT-254 (10.2780)





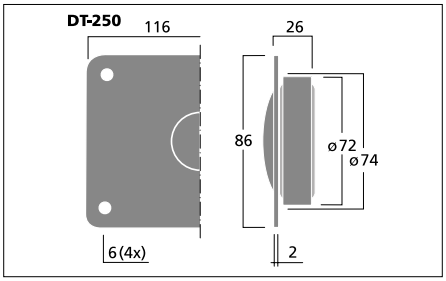
DT-250

Order No. 10.0090

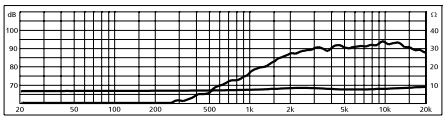
FERRO FLUID · 25 mm · 100 W MAX

Hi-fi dome tweeter, 50 W, 8 Ω

- Light metal titanium alloy
- Perfect damping due to rubber surround and without resonant behavioiur typical for metal
- Fine sound, comfortable to listen to
- Classic rectangular size



DT-250 (10.0090)





Model	DT-350NF	DT-254	DT-250
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	fx-25,000 Hz	fx-22,000 Hz	fx-25,000 Hz
Resonant frequency (fs)	800 Hz	900 Hz	1,700 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	2,000 Hz/1,500 Hz (18 dB)	2,000 Hz	3,000 Hz
Power rating	80 W	90 W	50 W
Peak music power output	150 W	150 W	100 W
Sensitivity	91 dB/W/m	92 dB/W/m	90 dB/W/m
Voice coil diameter	Ø 25 mm	Ø 25 mm	Ø 25 mm
Magnet diameter	Ø 72 mm	Ø 72 mm	Ø 72 mm
Mounting cutout	Ø 74 mm	Ø 85 mm	Ø 74 mm
Mounting depth	42 mm	38 mm	26 mm
Dimensions	Ø 110 x 44 mm	Ø 110 x 38 mm	116 x 86 x 26 mm
Weight	0.75 kg	0.52 kg	0.52 kg

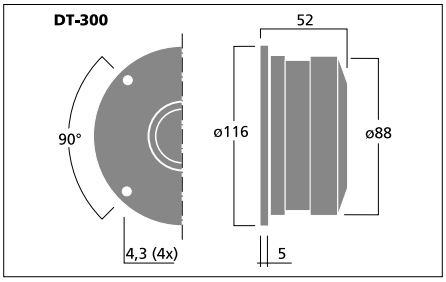
DT-300

Order No. 10.3860

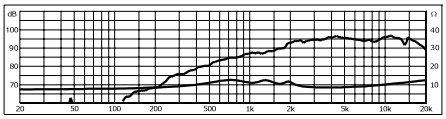
FERRO FLUID · 30 mm · 100 W MAX

Hi-fi dome tweeter, 50 W, 8 Ω

- 30 mm silk cone
- Low resonant frequency
- Excellent dynamic response and a high stability, even with low crossovers
- Ferrofluid of high liquidity for a fine brilliance
- Particularly suitable for high-performance applications and D'Appolito arrangements in the top hi-fi range



DT-300 (10.3860)



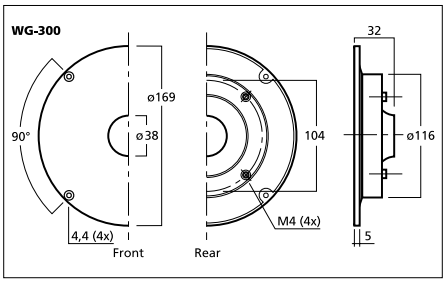


WG-300

Order No. 11.0110

Special horn front attachment (wave guide)

- Increase in sound pressure
- Perfectly matched to dome tweeter DT-300
- For achieving consistent radiation pattern in combination with 15 mm to 25 mm (6-10") bass-midrange speakers
- For avoiding reflections from walls nearby
- For PA applications of specific room segments





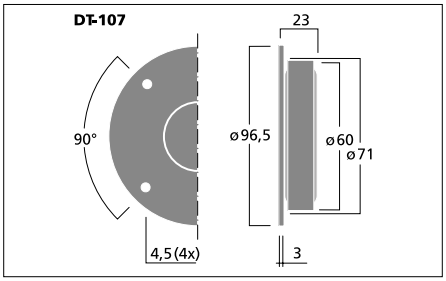
DT-107

Order No. 10.2640

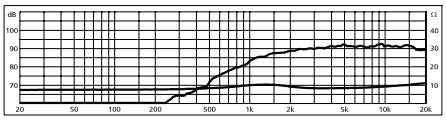
FERRO FLUID · 25 mm · 130 W MAX

Hi-fi dome tweeter, 80 W, 8 Ω

- Textile soft dome with inside damping
- Highest linearity with good efficiency
- Extra silky and brilliant sound
- For any hi-fi application of high requirements



DT-107 (10.2640)





Model	DT-300	DT-107
Impedance (Z)	8 Ω	8 Ω
Frequency range	fx-19,000 Hz	fx-22,000 Hz
Resonant frequency (fs)	750 Hz	1,200 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	2,000 Hz	3,000 Hz
Power rating	50 W	80 W
Peak music power output	100 W	130 W
Sensitivity	93 dB/W/m	89 dB/W/m
Voice coil diameter	Ø 30 mm	Ø 25 mm
Magnet diameter	Ø 88 mm	Ø 60 mm
Mounting cutout	Ø 90 mm	Ø 71 mm
Mounting depth	52 mm	23 mm
Dimensions	Ø 116 x 52 mm	Ø 96.5 x 23 mm
Weight	655 g	0.27 kg

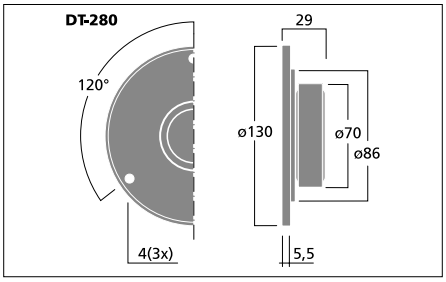
DT-280

Order No. 10.3850

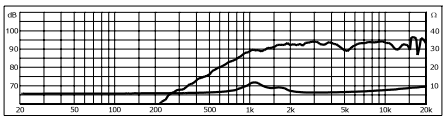
FERRO FLUID · 28 mm · 100 W MAX

Hi-fi soft dome tweeter, 50 W, 8 Ω

- Fine brilliance
- Silk dome of high power capability, 28 mm cone design
- Large cone area for an exceptionally high dynamic power, also with low crossover frequencies
- Elegant, large front plate with anti-reflection coating
- Very wide linear application range of high power capability



DT-280 (10.3850)





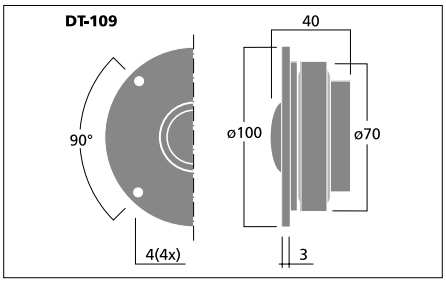
DT-109

Order No. 10.3840

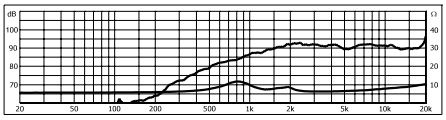
25 mm · 80 W MAX · FERRO FLUID

Top hi-fi dome tweeter, 40 W, 8 Ω

- Titanium-coated silk cone with protective grille
- Double magnet
- Ferrofluid cooling
- Wide frequency response with favourable crossover to the midrange speaker
- For any high-quality hi-fi application



DT-109 (10.3840)





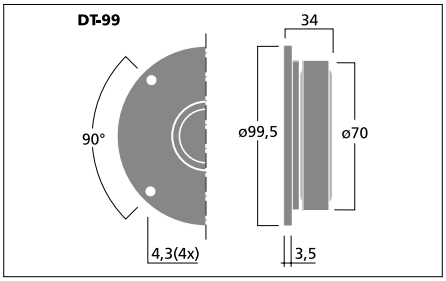
DT-99

Order No. 10.3880

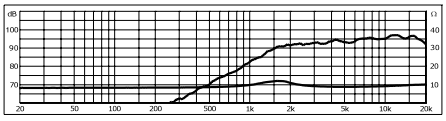
FERRO FLUID · 25 mm · 80 W MAX

Hi-fi dome tweeter, 40 W, 8 Ω

- Pure silk cone
- Excellent radiation
- Very typical sound pressure curve
- For replacement purposes and hi-fi applications



DT-99 (10.3880)





Model	DT-280	DT-109	DT-99
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	fx-22,000 Hz	fx-22,000 Hz	fx-18,000 Hz
Resonant frequency (fs)	1,100 Hz	1,200 Hz	1,500 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	2,000 Hz	2,500 Hz	2,500 Hz
Power rating	50 W	40 W	40 W
Peak music power output	100 W	80 W	80 W
Sensitivity	92 dB/W/m	90 dB/W/m	93 dB/W/m
Voice coil diameter	Ø 28 mm	Ø 25 mm	Ø 25 mm
Magnet diameter	Ø 70 mm	Ø 70 mm	Ø 70 mm
Mounting cutout	Ø 86 mm	Ø 85 mm	Ø 85 mm
Mounting depth	29 mm	40 mm	34 mm
Dimensions	Ø 130 x 29 mm	Ø 100 x 40 mm	Ø 99.5 x 34 mm
Weight	520 g	552 g	506 g

DT-284

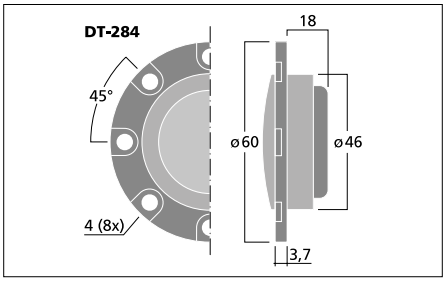
Order No. 13.1410

PAAR PAIR | 28 mm | 100 W MAX | FERRO FLUID

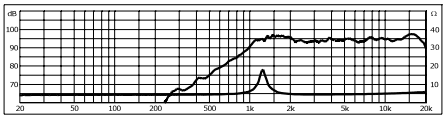
Pair of dome tweeters, 60 W, 4 Ω

- 28 mm silk cone
- Aluminium voice coil
- Neodymium magnet
- High-quality ABS housing with 8-hole screw connection
- Perfect sound of extra low distortion
- Highest level stability
- Exceptionally long excursion

A crossover network is required for operation!
Ideal: CDN-2X



DT-284 (13.1410)





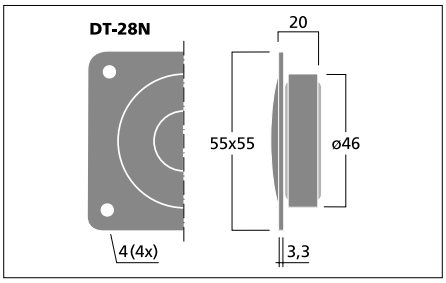
DT-28N

Order No. 10.4020

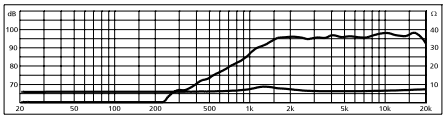
28 mm | 100 W MAX | FERRO FLUID

Neodymium hi-fi tweeter, 50 W, 8 Ω

- Outstanding sound characteristics
- Very linear reproduction even of lower frequencies
- High efficiency
- 28 mm extra efficient silk cone
- Perfectly small front plate for high-performance speaker systems of the smallest size possible
- Mounting into perfect D'Appolito arrangements also in lying centres due to low magnetic dispersion



DT-28N (10.4020)





Model	DT-284	DT-28N
Impedance (Z)	4 Ω	8 Ω
Frequency range	fx-20,000 Hz	fx-20,000 Hz
Resonant frequency (fs)	1,300 Hz	1,200 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	2,000 Hz	2,000 Hz
Power rating	60 W	50 W
Peak music power output	100 W	100 W
Sensitivity	91 dB/W/m	94 dB/W/m
Voice coil diameter	Ø 28 mm	Ø 28 mm
Magnet diameter	Ø 46 mm	Ø 46 mm
Mounting cutout	Ø 50 mm	Ø 50 mm
Mounting depth	18 mm	16.7 mm
Dimensions	Ø 60 mm	55 x 55 x 20 mm
Weight	0.18 kg	74 g

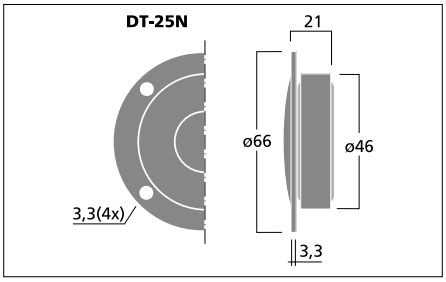
DT-25N

Order No. 10.4010

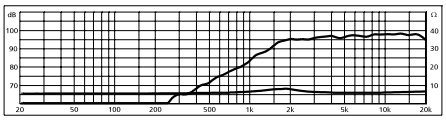


Neodymium hi-fi tweeter, 40 W, 8 Ω

- Outstanding sound characteristics
- Silk soft dome cone with optimised geometry
- Front plate with a specially adapted design
- Very linear reproduction, high efficiency
- Low magnetic dispersion and mechanically very compact
- Ideally suited for building smaller speaker systems and D'Appolito arrangements



DT-25N (10.4010)





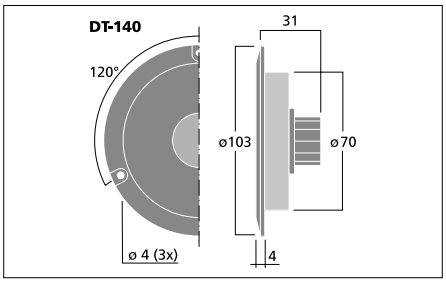
DT-140

Order No. 10.5670

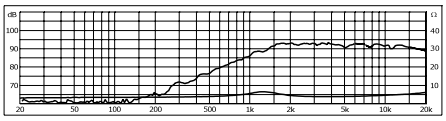


Hi-fi dome tweeter, 40 W, 4 Ω

- 25 mm (1") tweeter with silk dome
- Consistent radiation pattern due to waveguide in combination witth 5" to 6.5" bass-midrange speakers
- Neodymium magnet system with heat sink
- Very low stray magnetic field



DT-140 (10.5670)





DTM-104/8

Order No. 10.5330

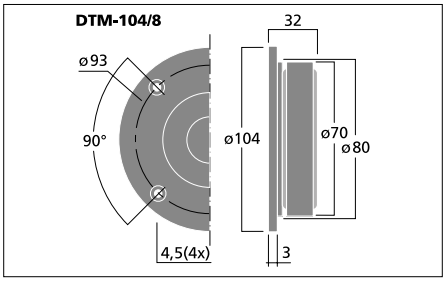
DTM-104/4

Order No. 10.5320

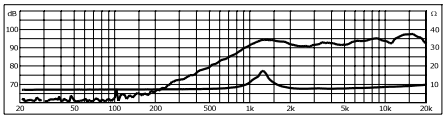


Hi-fi dome tweeters, 45 W, 8 Ω (/8) and 4 Ω (/4)

- Textile dome tweeter with Kapton voice coil former
- Excellent radiation pattern due to waveguide
- Very well-suited as a replacement for high-quality hi-fi speakers



DTM-104/8 (10.5330)





Model	DT-25N	DT-140	DTM-104/8	DTM-104/4
Impedance (Z)	8 Ω	4 Ω	8 Ω	4 Ω
Frequency range	fx-20,000 Hz	fx-20,000 Hz	fx-19,000 Hz	fx-19,000 Hz
Resonant frequency (fs)	1,600 Hz	1,200 Hz	1,200 Hz	1,200 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	2,500 Hz	2,500 Hz	2,500 Hz	2,500 Hz
Power rating	40 W	40 W	45 W	45 W
Peak music power output	80 W	80 W	100 W	100 W
Sensitivity	95 dB/W/m	90 dB/W/m	92 dB/W/m	92 dB/W/m
Voice coil diameter	Ø 25 mm	Ø 25 mm	Ø 25 mm	Ø 25 mm
Magnet diameter	Ø 46 mm	Ø 70 mm	Ø 70 mm	Ø 70 mm
Mounting cutout	Ø 50 mm	Ø 80 mm	Ø 80 mm	Ø 80 mm
Mounting depth	17.7 mm	31 mm	29 mm	29 mm
Dimensions	Ø 66 x 21 mm	Ø 103 x 31 mm	Ø 104 x 32 mm	Ø 104 x 32 mm
Weight	65 g	94 g	535 g	540 g

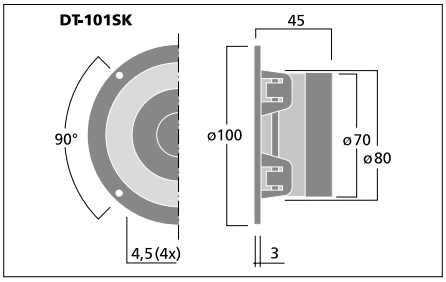
DT-101SK

Order No. 10.0060

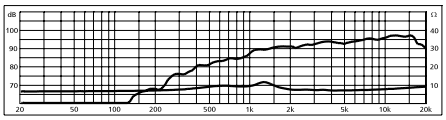
25 mm · 50 W MAX · FERRO FLUID

Hi-fi dome tweeter, 30 W, 8 Ω

- Silk dome with optimum damping
- Attached, damped volume
- High linearity up to the brilliance frequency range
- Very good efficiency
- High-resolution sound
- For hi-fi applications of high requirements



DT-101SK (10.0060)





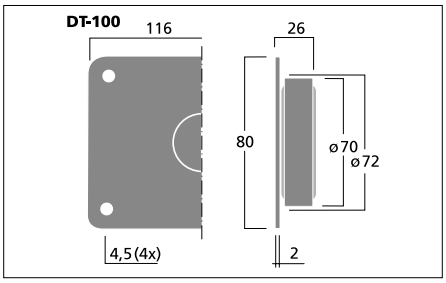
DT-100

Order No. 10.0040

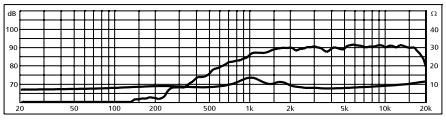
25 mm · 60 W MAX · FERRO FLUID

Hi-fi dome tweeter, 30 W, 8 Ω

- Soft dome of high power capability, classic rectangular size
- Ferrofluid
- Good linearity with extra brilliant characteristics
- Reproduction rich in detail



DT-100 (10.0040)





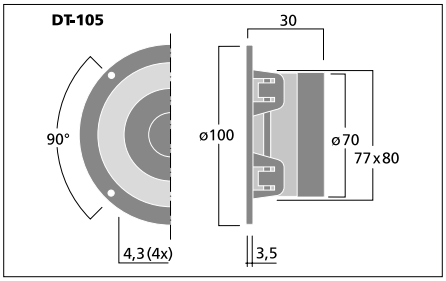
DT-105

Order No. 10.0050

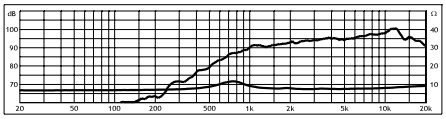
25 mm · 50 W MAX · FERRO FLUID

Hi-fi dome tweeter, 30 W, 8 Ω

- Classic textile soft dome with coating
- Very high linearity up to the brilliance frequency range
- Especially soft reproduction of high frequencies



DT-105 (10.0050)





Model	DT-101SK	DT-100	DT-105
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	fx-22,000 Hz	fx-20,000 Hz	fx-20,000 Hz
Resonant frequency (fs)	900 Hz	1,500 Hz	1,500 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	2,000 Hz	2,500 Hz	2,500 Hz
Power rating	30 W	30 W	30 W
Peak music power output	50 W	60 W	50 W
Sensitivity	92 dB/W/m	92 dB/W/m	90 dB/W/m
Voice coil diameter	Ø 25.4 mm	Ø 25 mm	Ø 25.4 mm
Magnet diameter	Ø 70 mm	Ø 70 mm	Ø 70 mm
Mounting cutout	Ø 80 mm	Ø 72 mm	77 x 80 mm
Mounting depth	45 mm	26 mm	30 mm
Dimensions	Ø 100 x 45 mm	116 x 80 x 26 mm	Ø 100 x 30 mm
Weight	0.46 kg	0.525 kg	0.5 kg

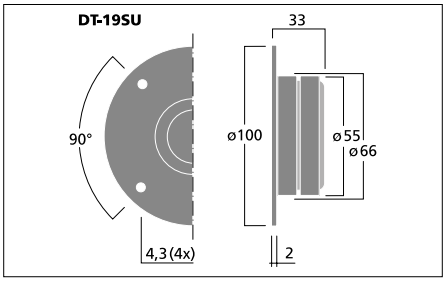
DT-19SU

Order No. 10.1970

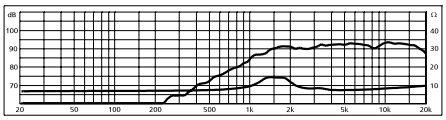
20 mm | 80 W MAX | FERRO FLUID

Hi-fi dome tweeter, 50 W, 8 Ω

- 19 mm soft dome, laminate technology
- Double magnet
- Robust plastic front
- Low cone weight
- Optimum brilliance
- For hi-fi applications of high requirements, especially in 3-way systems



DT-19SU (10.1970)





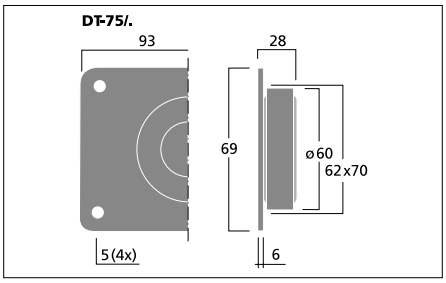
DT-75/8

Order No. 10.1300

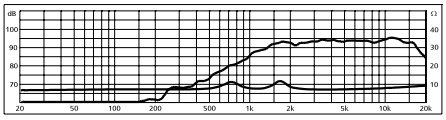
25 mm | 50 W MAX | FERRO FLUID

Hi-fi dome tweeter, 25 W, 8 Ω

- Soft dome
- High-quality reproduction
- Ferrofluid



DT-75/8 (10.1300)





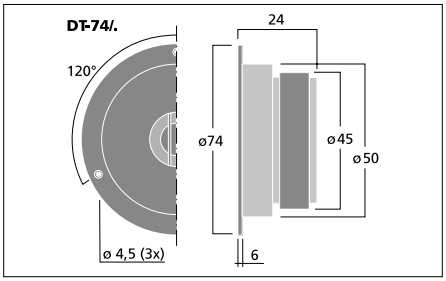
DT-74/8

Order No. 10.2070

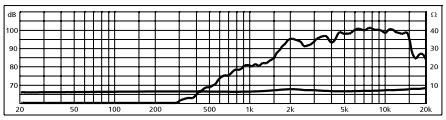
11 mm | 30 W MAX | FERRO FLUID

Miniature hi-fi tweeter, 15 W, 8 Ω

- 11 mm dome with diffuser
- Extra high efficiency
- Brilliant sound, similar to some ribbon tweeters
- For hi-fi and Public Address



DT-74/8 (10.2070)





Model	DT-19SU	DT-75/8	DT-74/8
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	fx-20,000 Hz	fx-20,000 Hz	fx-18,000 Hz
Resonant frequency (fs)	1,500 Hz	2,000 Hz	2,000 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	3,000 Hz	3,000 Hz	5,000 Hz
Power rating	50 W	25 W	15 W
Peak music power output	80 W	50 W	30 W
Sensitivity	91 dB/W/m	90 dB/W/m	98 dB/W/m
Voice coil diameter	Ø 19 mm	Ø 25 mm	Ø 11 mm
Magnet diameter	Ø 55 mm	Ø 60 mm	Ø 45 mm
Mounting cutout	Ø 66 mm	62 x 70 mm	Ø 50 mm
Mounting depth	33 mm	28 mm	24 mm
Dimensions	Ø 100 x 33 mm	93 x 69 x 28 mm	Ø 74 x 24 mm
Weight	0.397 kg	0.335 kg	0.12 kg

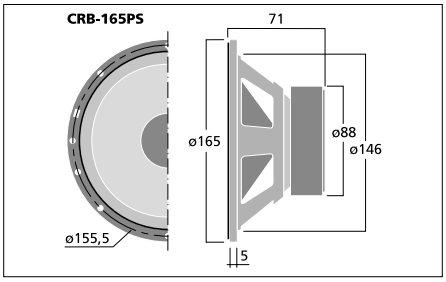
CRB-165PS

Order No. 13.1220

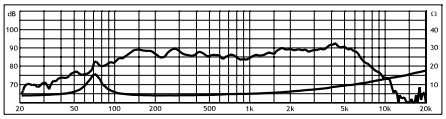
PAAR PAIR 70 W MAX

Pair of car hi-fi bass-midrange speakers, 35 W, 4 Ω

- Bass-midrange speaker and powerful kick bass driver
- Polypropylene cone of special design, especially resistant to pulsed peaks
- Very rigid dust cap
- Basket with textured coating
- Gold-plated connections
- Frequency range: 50-4,500 Hz
- Ideal for comb. with add. tweeters from CARPOWER
- Mounting dimensions: 144 x 70 mm
- Outside dimensions: Ø 165 mm x 71 mm
- Type 165



CRB-165PS (13.1220)





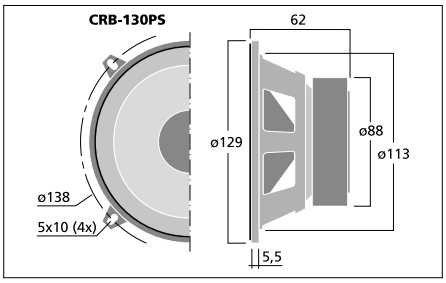
CRB-130PS

Order No. 13.1210

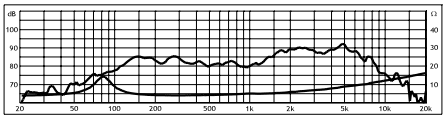
PAAR PAIR 60 W MAX

Pair of car hi-fi bass-midrange speakers, 30 W, 4 Ω

- Bass-midrange speaker and compact kick bass driver
- Polypropylene cone of special design, especially resistant to pulsed peaks
- Basket with textured coating
- Gold-plated connections
- 60-5,000 Hz
- Ideal for combination with additional tweeters from CARPOWER
- Mounting dimensions: 113 x 58 mm
- Outside dimensions: 130 x 130 mm
- Type 130



CRB-130PS (13.1210)





Model	CRB-165PS	CRB-130PS
Impedance (Z)	4 Ω	4 Ω
Frequency range	f3-4,500 Hz	f3-5,000 Hz
Resonant frequency (fs)	65 Hz	75 Hz
Power rating	35 W	30 W
Peak music power output	70 W	60 W
Sensitivity	89 dB/W/m	88 dB/W/m
Suspension compl. (Cms)	0.32 mm/N	0.30 mm/N
Moving mass (Mms)	14.5 g	10 g
Mech. Q factor (Qms)	4.54	4.26
Electr. Q factor (Qes)	1.25	1.28
Total Q factor (Qts)	0.99	0.98
Equivalent volume (Vas)	11 l	5.5 l
DC resistance (Re)	3.6 Ω	3.6 Ω
Force factor (BxL)	4.2	4.0
Voice coil induct. (Le)	0.6 mH	0.6 mH
Voice coil diameter	Ø 25 mm	Ø 25 mm
Voice coil former	aluminium	aluminium
Linear excursion (X_{MAX})	± 3 mm	± 2.5 mm
Eff. cone area (Sd)	137 cm^2	92 cm^2
Magnet weight	280 g	230 g
Weight	950 g	750 g

CRB-165CP

Order No. 13.0720

PAAR PAIR 100 W MAX

Pair of car chassis speakers, 50 W, 4 Ω

- 2-way coaxial version
- Carbon fibre cone
- Voice coil of long excursion
- Frequency range: 50-22,000 Hz
- Mounting dim.: Ø 144 mm x 59 mm



CRB-165PP

Order No. 13.0600

PAAR PAIR 80 W MAX

Pair of car chassis speakers, 40 W, 4 Ω

- 2-way coaxial version
- Polypropylene cone
- Frequency range: 50-22,000 Hz
- Mounting dim.: Ø 144 mm x 59 mm



CRB-130CP

Order No. 13.0710

PAAR PAIR 80 W MAX

Pair of car chassis speakers, 40 W, 4 Ω

- 2-way coaxial version
- Carbon fibre cone
- Voice coil of long excursion
- Frequency range: 80-22,000 Hz
- Mounting dim.: Ø 119 mm x 49 mm



CRB-130PP

Order No. 13.0590

PAAR PAIR 60 W MAX

Pair of car chassis speakers, 30 W, 4 Ω

- 2-way coaxial version
- Polypropylene cone
- Frequency range: 80-22,000 Hz
- Mounting dim.: Ø 118 mm x 47 mm



CRB-100CP

Order No. 13.0700

PAAR PAIR 80 W MAX

Pair of car chassis speakers, 40 W, 4 Ω

- 2-way coaxial version
- Carbon fibre cone
- Voice coil of long excursion
- Frequency range: 100-22,000 Hz
- Mounting dim.: Ø 94 mm x 46 mm



CRB-120PP

Order No. 13.0580

PAAR PAIR 60 W MAX

Pair of car chassis speakers, 30 W, 4 Ω

- 2-way coaxial version
- Polypropylene cone
- Frequency range: 90-22,000 Hz
- Mounting dim.: Ø 110 mm x 47 mm



CRB-102PP

Order No. 13.0570

PAAR PAIR 40 W MAX

Pair of car chassis speakers, 20 W, 4 Ω

- 2-way coaxial version
- Polypropylene cone
- Frequency range: 100-22,000 Hz
- Mounting dim.: Ø 92 mm x 42 mm



CRB-101PP

Order No. 13.0560

PAAR PAIR 40 W MAX

Pair of car chassis speakers, 20 W, 4 Ω

- 2-way coaxial version
- Polypropylene cone
- Frequency range: 100-22,000 Hz
- Mounting dim.: Ø 92 mm x 42 mm



CRB-100PP

Order No. 13.0550

PAAR PAIR 60 W MAX

Pair of car chassis speakers, 30 W, 4 Ω

- 2-way coaxial version
- Polypropylene cone
- Frequency range: 100-22,000 Hz
- Mounting dim.: Ø 92 mm x 46 mm



Pairs of Decorative Speaker Grilles

PAAR PAIR

For car chassis speakers. Matching the car-specific chassis types.

Model	Order No.	Outside Ø	Inside Ø	Total height	Height inside
CRB-100SGP	12.7500	Ø 134 mm	Ø 100 mm	15 mm	type 100
CRB-130SGP	12.7510	Ø 155 mm	Ø 125 mm	17 mm	type 130
CRB-165SGP	12.7520	Ø 180 mm	Ø 148 mm	17 mm	type 165

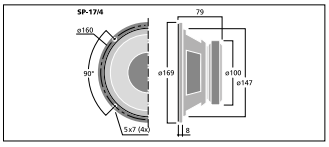


SP-17/4
Order No. 10.3680

6½ | 60 W MAX

Universal speaker, 30 W, 4 Ω
- For general applications and replacement purposes
- High power capability
- To be used in the bass-midrange



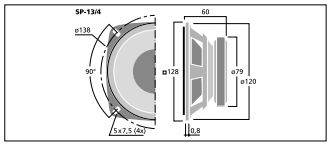


SP-13/4
Order No. 10.3660

5 | 40 W MAX

Universal speaker, 20 W, 4 Ω
- For general applications up to the PA range
- Wide bandwidth radiation



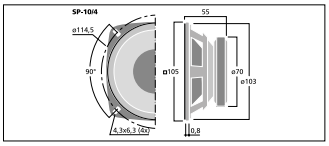


SP-10/4
Order No. 10.3640

4 | 25 W MAX

Universal speaker, 15 W, 4 Ω
- Speaker of high power capability for wide bandwidth applications
- Reproduction from approx. 80 Hz on



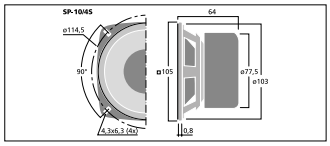


SP-10/4S
Order No. 10.3650

4 | 25 W MAX

Universal speaker, 15 W, 4 Ω
- Magnetic shielding
- Wide bandwidth speaker of high power capability
- Reproduction from approx. 80 Hz on



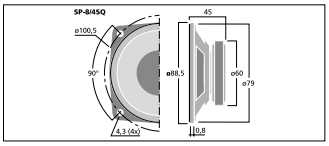


SP-8/4SQ
Order No. 10.3620

3 | 20 W MAX

Universal speaker, 10 W, 4 Ω
- For standard wide bandwidth applications
- Sound pressure from approx. 100 Hz on



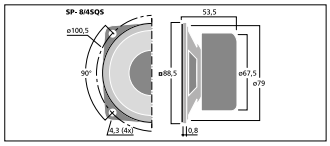


SP-8/4SQS
Order No. 10.3630

3 | 20 W MAX

Universal speaker, 10 W, 4 Ω
- Magnetic shielding
- For wide bandwidth applications (e.g. TV)
- Sound pressure from approx. 100 Hz on



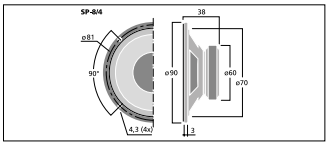


SP-8/4
Order No. 10.3600

3 | 20 W MAX

Universal speaker, 10 W, 4 Ω
- For wide bandwidth applications
- Sound pressure from approx. 100 Hz on



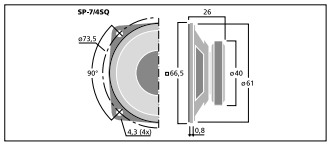


SP-7/4SQ
Order No. 10.3580

8 W MAX

Universal speaker, 4 W, 4 Ω
- For standard applications in the miniature speaker range
- Sound pressure from approx. 200 Hz on





SP-7/4SQS

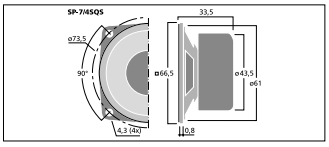
Order No. 10.3590

8 W MAX

Universal speaker, 4 W, 4 Ω

- Magnetic shielding
- For standard applications
- Sound pressure from approx. 200 Hz on





SP-6/4SQ

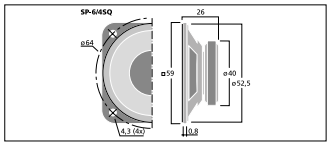
Order No. 10.3540

2 5 W MAX

Universal speaker, 3 W, 4 Ω

- For standard applications in the miniature speaker range
- Sound pressure from approx. 280 Hz on





SP-6/4SQS

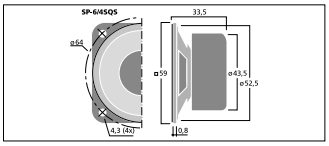
Order No. 10.3550

2 5 W MAX

Universal speaker, 3 W, 4 Ω

- Magnetic shielding
- For standard applications
- Sound pressure from approx. 280 Hz on





SP-6/8SQ

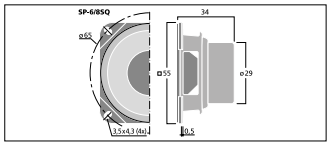
Order No. 10.4590

2 20 W MAX

Miniature speaker, 10 W, 8 Ω

- For standard applications
- Sound pressure with good linearity from approx. 120 Hz up to the high range
- Neodymium magnet





SP-6/4

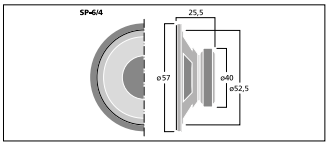
Order No. 10.3520

2 5 W MAX

Universal speaker, 3 W, 4 Ω

- For standard applications in the miniature speaker range
- Sound pressure from approx. 280 Hz on





SP-59/4S

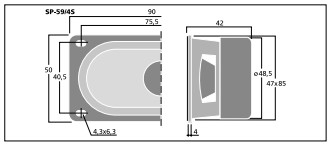
Order No. 10.3700

5 W MAX

Universal speaker, 3 W, 4 Ω

- Magnetic shielding
- Oval shape
- For typical applications in the reproduction range from approx. 200 Hz on





SP-5/8

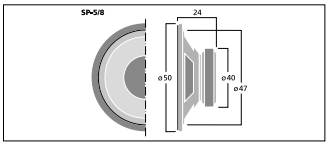
Order No. 10.4570

2 12 W MAX

Miniature speaker, 6 W, 8 Ω

- For standard applications
- Sound pressure from approx. 250 Hz up to the high range





SP-5/4

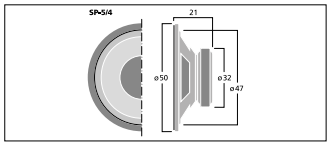
Order No. 10.3500

2 4 W MAX

Universal speaker, 2 W, 4 Ω

- For standard applications in the miniature speaker range
- Sound pressure from approx. 300 Hz on





SP-205/8
Order No. 10.4460

8 Ω | 10 W MAX

Universal full range speaker, 8 W, 8 Ω
- Dual cone
- For PA applications and other purposes
- Particularly suitable for multiple arrangements in column speakers
- Excellent sound quality



SP-15
Order No. 10.0310

3 Ω | 15 W MAX

Special speaker, 10 W, 8 Ω
- All-plastic cone with hard suspension
- Moisture-proof
- Special version for signal sounds of alarm systems
- Operating temperature range: -25 °C to +70 °C



SP-170
Order No. 10.0350

2 W MAX

Miniature speaker, 1 W, 8 Ω
- Oval design
- For basic applications



SP-276/8
Order No. 10.2210

6½ Ω | 7 W MAX

Universal full range speaker, 5 W, 8 Ω
- Dual cone
- For PA applications and other purposes
- Particularly suitable for multiple arrangements in column speakers



SPF-50
Order No. 10.0850

2 Ω

Miniature flat speaker, 8 Ω
- Super slimline design
- Top-quality samarium cobalt magnet



SP-272/8
Order No. 10.2190

5¼ Ω | 7 W MAX

Universal full range speaker, 5 W, 8 Ω
- Dual cone
- For any PA application
- Particularly suitable for multiple arrangements in column speakers



MS-55
Order No. 10.0260

2 Ω | 5 W MAX

Microphone speaker, 8 Ω
- Dynamic sound converter
- To be used as speaker and microphone
- Very robust full range version



SP-626/8
Order No. 10.2170

3 Ω | 3 W MAX

Universal full range speaker, 2 W, 8 Ω
- For any PA application
- Particularly suitable for multiple arrangements in column speakers



SP-39
Order No. 10.3450

Headphone speaker, 32 Ω
- For production of headphones, headsets
- For low-level signal processing



Model	SP-205/8	SP-15	SP-276/8	SP-170	SP-272/8	SPF-50	SP-626/8	MS-55	SP-39
Impedance (Z)	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω	32 Ω
Frequency range	-	f3-8,000 Hz	f3-18,000 Hz	f3-10,000 Hz	f3-17,000 Hz	-	f3-18,000 Hz	f3-20,000 Hz	-
Resonant frequency (fs)	100 Hz	430 Hz	100 Hz	-	120 Hz	-	200 Hz	200 Hz	-
Power rating	8 W	10 W	5 W	-	5 W	0.2 W	2 W	-	-
Peak music power output	10 W	15 W	7 W	2 W	-	-	3 W	5 W	0.1 W
Sensitivity	94 dB/W/m	96 dB/W/m	89 dB/W/m	-	88 dB/W/m	73 dB/W/0,5 m	-	-	100 dB/1 V/0.01 m
Magnet weight	79 g	150 g	79 g	-	79 g	-	79 g	-	-
Magnet diameter	Ø 60 mm	Ø 60 mm	Ø 60 mm	Ø 22 mm	Ø 60 mm	Ø 17 mm	Ø 60 mm	-	-
Mounting cutout	Ø 180 mm	Ø 79 mm	Ø 145 mm	-	Ø 108 mm	Ø 45 mm	Ø 73 mm	-	-
Mounting depth	57 mm	39 mm	49 mm	32 mm	40.5 mm	9 mm	34.2 mm	30 mm	-
Dimensions	Ø 205 mm x 63 mm	85 x 85 x 39 mm	Ø 165 mm x 53 mm	106 x 68 x 32 mm	Ø 131 mm x 44 mm	Ø 50 mm x 9 mm	78 x 78 x 35 mm	74 x 55 x 30 mm	Ø 40 mm x 8 mm
Weight	0.379 kg	0.355 kg	0.339 kg	0.068 kg	0.303 kg	0.015 kg	0.225 kg	220 g	0.011 kg

Full specifications can be found on our website www.monacor-international.de.

Miniature flush-mount speaker, 8 Ω

- Different sizes
- For general applications in models, intercom systems, miniature radios

SP-2RBK
Available in packing units only:
1 x model = quantity per packing unit
1 packing unit = 100 pcs.



Model	Order No.	Impedance (Z)	Power rating	Magnet diameter	Mounting cutout	Mounting depth	Dimensions	Weight
SP-3RDP	10.0530	8 Ω	0.5 W	Ø 22 mm	Ø 71 mm	23 mm	Ø 77 mm x 23 mm	0.05 kg
SP-23/4RDP	10.0470	8 Ω	0.5 W	Ø 22 mm	Ø 65 mm	18 mm	Ø 70 mm x 21.5 mm	0.045 kg
SP-21/4RDP	10.0440	8 Ω	0.25 W	Ø 22 mm	Ø 52 mm	16.5 mm	Ø 57 mm x 19 mm	0.04 kg
SP-2RDP	10.0370	8 Ω	0.25 W	Ø 22 mm	Ø 45 mm	16 mm	Ø 50 mm x 19 mm	0.04 kg
SP-2RBK	10.0360	8 Ω	0.25 W	Ø 22 mm	Ø 45 mm	16 mm	Ø 50 mm x 19 mm	0.04 kg
SP-11/2RDP	10.0100	8 Ω	0.2 W	Ø 18 mm	Ø 36 mm	17 mm	Ø 40 mm x 17 mm	0.022 kg

AES-20

Order No. 13.2250



Extension speaker, 10 W, 4 Ω, for outdoor applications.

- Optimised voice reproduction
- Weatherproof plastic housing, IP65
- Admissible ambient temperature: -20 °C to +60 °C
- 3 m connection cable with 3.5 mm plug
- Frequency range: 270-18,000 Hz
- Dimensions: Ø 76 mm x 81 mm



AES-7

Order No. 13.1100

Extension speaker, 5 W, 6 Ω

- 4 Ω or 8 Ω operation
- Mounting bracket
- 1.70 m connection cable with 3.5 mm plug
- Frequency range: 300-15,000 Hz
- Dimensions: 130 x 65 x 58 mm



AES-6

Order No. 13.2300



Extension speaker, 3 W, 8 Ω

- Moisture-proof due to speaker with solid plastic cone
- 1.70 m connection cable with 3.5 mm plug
- Frequency range: 300-15,000 Hz
- Dimensions: 80 x 75 x 45 mm



AES-5

Order No. 13.0020



Special wireless speaker, 3 W, 4 Ω

- Compact, moisture-proof version
- Optimised voice reproduction
- Supplied with 2 m connection cable and 3.5 mm mono plug
- Frequency range: 300-8,000 Hz
- Dimensions: 78 x 73 x 58 mm



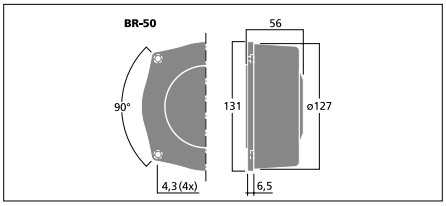
BR-50
Order No. 14.2560

100 W MAX | 4Ω

Bass rocker, 50 W, 4 Ω

- Special technology for producing a structure-borne sound
- Generates a powerful bass which can physically be felt
- Easy screw mounting
- Resonant frequency: 40 Hz (varies due to mounting to different surfaces)

Model	BR-50
Impedance (Z)	4 Ω
Frequency range	30-300 Hz
Resonant frequency (fs)	40 Hz
Power rating	50 W
Peak music power output	100 W
Dimensions	131 x 131 x 56 mm
Weight	1.232 kg





AR-50
Order No. 16.2800

50 W MAX | 8Ω | IP68

Weatherproof audio exciter/resonator, 8 Ω

- Depending on the mounting surface, very wide bandwidth reproduction with amazing volumes
- Suitable for home and outdoor PA applications, e.g. on doors, cupboards, shelves and on boats
- Waterproof (IP68)
- Supplied with screwable mounting plate

Model	AR-50
Impedance (Z)	8 Ω
Frequency range	dep. on the installation
Resonant frequency (fs)	500 Hz
Power rating	30 W
Peak music power output	50 W
Dimensions	Ø 90 mm x 55 mm
Weight	0.95 kg



AR-30
Order No. 16.2790

30 W MAX | 8Ω | IP68

Weatherproof audio exciter/resonator, 8 Ω

- Depending on the mounting surface, very wide bandwidth reproduction with amazing volumes
- Suitable for home and outdoor PA applications, e.g. on doors, cupboards, shelves and on boats
- Waterproof (IP68)
- Supplied with screwable mounting plate

Model	AR-30
Impedance (Z)	8 Ω
Frequency range	dep. on the installation
Resonant frequency (fs)	600 Hz
Power rating	15 W
Peak music power output	30 W
Dimensions	Ø 80 mm x 40 mm
Weight	0.65 kg



EX-1W
Order No. 16.3390

10 W MAX | 8Ω | IP66

Audio exciter/resonator, 5 W, 8 Ω

- Depending on the mounting surface, very wide bandwidth reproduction with amazing volumes
- Dustproof and hose-proof according to IP66
- Suitable for unobtrusive PA applications, e.g. at doors, cupboards, shelves, glass panels, desktops, shower screens
- Supplied with 3M adhesive pad

Model	EX-1W
Impedance (Z)	8 Ω
Frequency range	dep. on the installation, goes beyond 20 kHz
Resonant frequency (fs)	1,200 Hz
Power rating	5 W
Peak music power output	10 W
Voice coil diameter	Ø 25 mm
Voice coil former	KSV
Dimensions	85 x 65 x 21 mm
Weight	0.115 kg



EX-40/4
Order No. 16.3400

40 W MAX | 4Ω

EX-40/8
Order No. 16.3410

40 W MAX | 8Ω

Audio exciters/resonators, 20 W, 4 Ω (/4) or 8 Ω (/8)

- Depending on the mounting surface, very wide bandwidth reproduction with amazing volumes
- Suitable for unobtrusive PA applications, e.g. at doors, cupboards, shelves, glass panels
- Supplied with 3M adhesive pad

Model	EX-40/4	EX-40/8
Impedance (Z)	4 Ω	8 Ω
Frequency range	fx-20,000 Hz	fx-20,000 Hz
Resonant frequency (fs)	300 Hz	300 Hz
Power rating	20 W	20 W
Peak music power output	40 W	40 W
Voice coil diameter	Ø 32 mm	Ø 32 mm
Voice coil former	KSV	KSV
Dimensions	Ø 61 mm x 20 mm	Ø 61 mm x 20 mm
Weight	0.135 kg	0.135 kg



Impressive Component for a Perfect Bass Speaker

Due to the high-quality transistor technology, the well-established design of this active subwoofer module allows for an impressively warm sound of the self-built subwoofer system. Features and workmanship of this module perfectly meet all requirements. SAM-2 features great dynamic reserves.



SAM-2

Order No. 32.0670

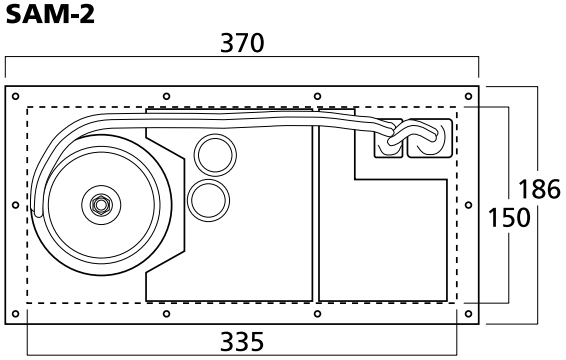
250 W MAX

Active subwoofer module, 200 W

- High-power active module
- 24 dB subsonic filter
- Variable low-pass filter: 50-150 Hz (18 dB)
- Semiparametric bass boost (variable 30-50 Hz midrange with boost up to 6 dB, continuously adjustable)
- Continuously adjustable phase control 0-180° for uncompromising room correction and an optimum set-up of your speakers
- Variable high-pass filter: 50-150 Hz (12 dB) for equalizing the bass frequencies of the satellite amplifier and the satellite speakers
- Ground lift switch from the studio technology to prevent hum interference
- Various protective circuits against short circuit, overheating and DC voltage overload
- Perfect drive for bass speakers with a diameter of up to 46 cm
- Impressive sound and workmanship

Model	SAM-2
Power rating at 4 Ω	200 W
Power rating at 8 Ω	125 W
Peak music power output (P_{MAX})	250 W
Inputs	8.4 V mono/4.2 V stereo/20 kΩ (line) 44 V stereo/17 kΩ (high)
Frequency range	satellite: (var. 50-150 Hz) - 20,000 Hz subwoofer: 20 Hz - (var. 50-150 Hz)
S/N ratio	> 70 dB
THD	< 0.1%
Power supply	~ 230 V/50 Hz/300 VA
Power consumption, standby	6 VA
Dimensions	185 x 370 x 90 mm
Weight	4.9 kg

SAM-2





Active Subwoofer Modules for the Digital Age

Due to state-of-the-art technology in the digital D class, the digital active subwoofer modules from MONACOR provide a powerful bass reproduction in self-built subwoofer systems. The components feature a high power efficiency and provide an energy-saving operation. The lightweight design of these models which are available at an attractive price ensures a low total weight of the speaker system.

SAM-500D

Order No. 32.0800

DIGITAL

Class D active subwoofer module, 500 W at 4 Ω

- High-performance active module in class D technology
- Variable low-pass filter: 40-200 Hz (18 dB)
- Continuously adjustable phase control 0-180° for perfectly matching it to the main speakers
- Line input, par. line output
- Integrated bass boost of approx. 3 dB at 40 Hz
- High-level inputs for parallel connection to the speaker cables
- Very high power reserves for bass speakers with a diameter up to 46 cm

Model	SAM-500D
Power rating at 4 Ω	500 W
Power rating at 8 Ω	250 W
Peak music power output (P_{MAX})	700 W
Inputs	max. 7 V/22 kΩ
Attenuation factor	25.0
Frequency range	20 Hz - (var. 40-200 Hz)
S/N ratio	> 70 dB
THD	< 1%
Power consumption, standby	< 0.5 W
Dimensions	251 x 270 x 90 mm
Weight	2.5 kg
Connections	1 x RCA (line in), 1 x speaker terminal (high power in), 1 x RCA (line out)



SAM-300D

Order No. 32.0790

DIGITAL

Class D active subwoofer module, 300 W at 4 Ω

- High-performance active module in class D technology
- Variable low-pass filter: 40-200 Hz (18 dB)
- Continuously adjustable phase control 0-180° for perfectly matching it to the main speakers
- Line input, par. line output
- Integrated bass boost of approx. 3 dB at 40 Hz
- High-level inputs for parallel connection to the speaker cables
- High power reserves

Model	SAM-300D
Power rating at 4 Ω	300 W
Power rating at 8 Ω	150 W
Peak music power output (P_{MAX})	420 W
Inputs	max. 7 V/22 kΩ
Attenuation factor	24.4
Frequency range	20 Hz - (var. 40-200 Hz)
S/N ratio	> 70 dB
THD	< 0.1%
Power supply	~ 230 V/50 Hz/440 VA
Power consumption, standby	< 0.5 W
Dimensions	188 x 255 x 90 mm
Weight	1.6 kg
Connections	1 x RCA (line in), 1 x speaker terminal (high power in), 1 x RCA (line out)



SAM-200D

Order No. 32.0780

DIGITAL

Class D active subwoofer module, 200 W at 4 Ω

- High-performance active module in class D technology
- Variable low-pass filter: 40-200 Hz (18 dB)
- Continuously adjustable phase control 0-180° for perfectly matching it to the main speakers
- Line input, par. line output
- Integrated bass boost of approx. 3 dB at 40 Hz
- High power reserves

Model	SAM-200D
Power rating at 4 Ω	200 W
Power rating at 8 Ω	100 W
Peak music power output (P_{MAX})	280 W
Inputs	max. 7 V/20 kΩ
Attenuation factor	26.6
Frequency range	20 Hz - (var. 40-200 Hz)
S/N ratio	> 70 dB
THD	< 0.1%
Power supply	~ 230 V/50 Hz/330 VA
Power consumption, standby	< 0.5 W
Dimensions	178 x 204 x 80 mm
Weight	1.4 kg
Connections	1 x RCA (line in), 1 x RCA (line out)



Full specifications can be found on our website www.monacor-international.de.

AKB-400DSP

Order No. 32.0010

Active speaker module with DSP technology, 400 W

- 2-channel active module (class D)
- 400 W/4 Ω
- 2-channel DSP
- 4 presets can be programmed and stored
- Supplied with software (Windows* XP, Vista/7/8)
- Parameters to be controlled via software: Biquad filter functions (bell, notch, all-pass, low-shelf, high-shelf, band-pass, high-pass, low-pass), delay, input gain control, master volume, low cut
- Short-circuit proof
- Overtemperature protection
- Supplied w/o mains cable, matching mains cable AAC-115P is available at option

Model	AKB-400DSP
Power rating at 4 Ω	400 W
Power rating at 8 Ω	180 W
Peak music power output (P_{MAX})	600 W
Inputs	2.5 V/25 kΩ bal.
Frequency range	10-30,000 Hz
Integrated limiter	via DSP
Equalizer bass	via DSP
Equalizer treble	via DSP
S/N ratio	> 100 dB
THD	< 0.004%
Power supply	~ 230 V/50 Hz/600 VA
Dimensions	142 x 55 x 330 mm
Weight	1.1 kg
Connections	1 x line input (XLR, bal.), 1 x POWERCON input, USB interface for DSP programming 1 x line output (XLR, bal.), 2 x 4 Ω to 8 Ω speaker, 1 x POWERCON output



AKB-210DSP

Order No. 32.0220

Active speaker module with DSP technology, 120 W

- 2-channel active module (class D)
- 2 x 60 W/4 Ω
- 3-channel DSP
- S/PDIF input and output
- Audio in possible via USB interface
- Line output for subwoofer amplifier (third DSP channel)
- Link input and output for synchronising two AKB-210DSP modules
- External mini keypad with buttons for on/off and volume, connection via 50 cm flat cable
- Touch panel AKB-210TP is available at option
- Integrated infrared receiver for optional infrared remote control AKB-210RC
- Supplied with software (Windows* XP, Vista/7/8)
- Parameters to be controlled via software: Biquad filter functions (bell, notch, all-pass, low-shelf, high-shelf, band-pass, high-pass, low-pass), delay, input gain control, master volume, low cut
- Short-circuit proof, overtemperature protection
- Bridged mode adjustable via software
- Supplied with mains cable, USB cable, link cable (3.5 mm jack), mini keypad

Model	AKB-210DSP
Power rating at 4 Ω	2 x 60 W
Power rating at 8 Ω	2 x 45 W
Peak music power output (P_{MAX})	200 W
Inputs	2.2 V/10 kΩ
Frequency range	20-20,000 Hz
Integrated limiter	via DSP
Equalizer bass	via DSP
Equalizer treble	via DSP
S/N ratio	> 100 dB
THD	< 0.05%
Power supply	~ 230 V/50 Hz/230 VA
Dimensions	115 x 60 x 200 mm
Weight	1.5 kg
Connections	2 x line input (L/R, unbal.), 1 x S/PDIF input, 1 x mini USB interface for DSP programming and audio in, 1 x trigger, 3.5 mm jack (input/output), 1 x mains input jack 1 x sub output (line, unbal.), 1 x S/PDIF output, 4 x spring-load. speaker term. for 4 Ω to 8 Ω speakers (rear panel), 1 x speaker output via 2 banana jacks (front panel)



AKB-210RC

Order No. 32.0230

Infrared remote control, for controlling speaker module AKB-210DSP.

- 5 function keys
- On/off button
- Volume control and input channel selection
- Mute function
- Power supply via 3 V button cell CR-2032 (not supplied)
- Dimensions. 54 x 21 x 100 mm



AKB-210TP

Order No. 32.0240

Touch panel, for controlling speaker module AKB-210DSP.

- As an alternative to the mini keypad
- Volume control and selection on/off
- Connection via 50 cm flat cable
- Dimensions: 55 x 15 x 40 mm



DSP-1
Order No. 12.2850

Mono speaker protection module
- To protect midrange speakers and tweeters of all impedances in case of overload by excessive level peaks
- Max. admissible power can be adjusted between 20 and 200 W
- Subsequent mounting into existing systems without any problems
- Safe speaker protection for satellites and other small full range speakers in the entire audio range from 20-20,000 Hz
- Audio quality not affected below threshold
- Module is automatically reset after eliminating the power peaks



PLH-4
Order No. 02.0550

4x

Supports for linolite lamps
PCB mounting, set of 4.



PL-1218
Order No. 02.0530

PAAR PAIR

PL-2418
Order No. 02.0540

PAAR PAIR

Linolite lamps 18 W
With increasing capacity, the ohm value is increasing, too.
PL-1218: 12 V; PL-2418: 24 V, supplied in pairs.

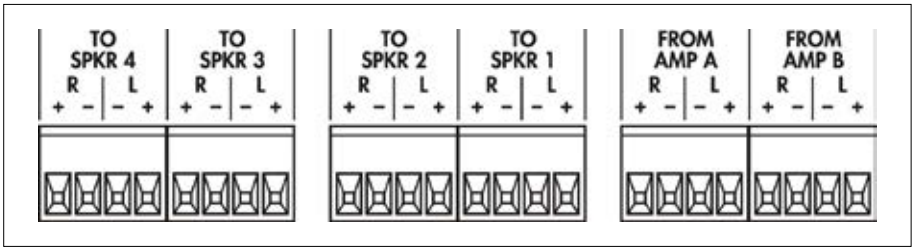


ATT-442ST
Order No. 17.1860

4-channel speaker volume control, stereo
Particularly high quality due to transformer technology with universal output assignment (4-16 Ω for each speaker), 20-20,000 Hz, attenuation in 10 steps for each pair, position 0 is OFF.
- 2 stereo inputs (100 W max. for each channel) and 4 stereo speaker outputs (18 W/4-16 Ω each)
- Source selector switch for each speaker output
- Screw terminals
- Black metal housing
- Dimensions: 432 x 78 x 190 mm
- Weight: 3.4 kg

With this device, it is finally possible to adjust the level of several pairs of speakers (up to 4) independently, even without 100 V line technique and connect them together to basic amplifiers without any problems. Even speaker systems with different impedances between 4 and 16 Ω can be mixed as desired.
Ideally suited for restaurants and bars.





Full specifications can be found on our website www.monacor-international.de.

MDSP-24

Order No. 11.2310

Digital signal processor (DSP), in a compact housing, with 2 analogue inputs and 4 analogue outputs.

- AD/DA converter, 24 bits
- Sampling rate: 48 kHz
- 2 RCA inputs (0.9 V/2 V, switchable)
- 4 RCA outputs (0.9 V)
- Programming and administration via mini USB interface and controlling software (Windows* XP/Vista/7, Mac OS X Intel)
- The control software allows to adjust the following parameters (supplied with promotional code):
  – Filters: high-shelf, low-shelf, high-pass, low-pass
  – Graphic equalizer
  – Parametric equalizer
  – Matrix mixer
  – Volume, mute, polarity
- Power supply via USB interface or via optional power supply ⎓ 4.5-24 V
- Dimensions: 107 x 30 x 96 mm
- Weight: 155 g



MDSP-24KIT

Order No. 11.2360

Digital signal processor (DSP), for DIY speaker building, with 2 analogue inputs and 4 analogue outputs.

- AD/DA converter, 24 bits
- Sampling rate: 48 kHz
- 2 RCA inputs (0.9 V/2 V, switchable)
- 4 RCA outputs (0.9 V)
- Potentiometer for volume control
- Programming and administration via mini USB interface and control software (Windows* XP/Vista/7, Mac OS X Intel)
- The control software allows to adjust the following parameters (supplied with promotional code):
  – Filters: high-shelf, low-shelf, high-pass, low-pass
  – Graphic equalizer
  – Parametric equalizer
  – Matrix mixer
  – Volume, mute, polarity
- Power supply via USB interface or optional power supply ⎓ 4.5-24 V
- Dimensions: 88 x 18 x 96 mm
- Weight: 64 g



MDSP-24BAL

Order No. 11.2350

Digital signal processor (DSP), in an aluminium housing, with 2 analogue inputs and 4 analogue outputs (balanced).

- AD/DA converter, 24 bits
- Sampling rate: 48 kHz
- 2 balanced inputs via screw terminals (0.9 V/2 V, switchable)
- 4 balanced outputs via screw terminals (0.9 V)
- Programming and administration via mini USB interface and control software (Windows* XP/Vista/7, Mac OS X Intel)
- The control software allows to adjust the following parameters (supplied with promotional code):
  – Filters: high-shelf, low-shelf, high-pass, low-pass
  – Graphic equalizer
  – Parametric equalizer
  – Matrix mixer
  – Volume, mute, polarity
- Power supply via optional 12 V power supply (e.g. PSS-1205DC)
- Dimensions: 147 x 45 x 130 mm
- Weight: 362 g



AKB-60

Order No. 32.0740

Active speaker module, mono, 45 W at 4 Ω

- Active module for activating passive speakers
- For mounting e.g. to the rear side of passive speakers
- Line input via XLR or RCA
- Adjustable master output
- Very well-suited as a measuring amplifier of acoustic analysers
- Fanless concept with large heat sink

Model	AKB-60
Power rating at 4 Ω	45 W
Power rating at 8 Ω	30 W
Peak music power output (P_{MAX})	60 W
Inputs	0.4 V/20 kΩ bal., 11 kΩ unbal.
Frequency range	15-50,000 Hz
S/N ratio	> 80 dB
THD	< 0.01%
Power supply	~ 230 V/50 Hz/90 VA
Dimensions	212 x 52 x 190 mm
Weight	1.5 kg
Connections	1 x XLR input, bal., 1 x RCA L/R (input), speaker cable for connecting 4-8 Ω speaker systems



SWA-2X60

Order No. 03.0970

Ultra-compact rack-mount stereo amplifier with Bluetooth interface

- Peak music power output: 2 x 60 W
- For traditional speakers and vibration speakers
- 2-channel digital amplifier (class D)
- Integrated Bluetooth module for audio streaming (A2DP)
- 4-channel signal processor (DSP)
- Mini USB interface for programming
- Switchable audio inputs and outputs
- Scope of delivery: amplifier module, cable, remote control, CD-ROM with configuration software and German, English and French instruction manual

Model	SWA-2X60
Peak music power output (P_{MAX})	120 W
Frequency range	20-20,000 Hz
Crossover network	4-channel DSP
Power supply	⎓ 12-24 V/8.5 A
Admiss. ambient temp.	-20-+70 °C
Dimensions	86 x 19 x 90 mm
Weight	0.306 kg
Connections	Operating voltage, plug-in screw terminals Sensor input, plug-in screw terminals Audio out (4-8 Ω), 2 x 2 poles, plug-in screw terminals Audio in, H/L level, 4 poles, plug-in screw terminals Stereo in, 3.5 mm jack 6-pole multi-purpose plug for extensions



FGA-22HQ

Order No. 06.6370

High-end transformer, for connecting speaker outputs of a car radio to the line inputs of an amplifier.

- Internal ground separation
- Adjustable output level
- Screw terminals, gold-plated RCA jacks
- Max. input power: 20 W
- Input/output impedance: 45 Ω/30 Ω-2.8 kΩ
- Frequency range: 20-30,000 Hz
- THD: < 0.001%
- 42 x 29 x 96 mm, 104 g



FGA-22

Order No. 06.6360

Transformer, for connecting speaker outputs of a car radio to the line inputs of an amplifier.

- Internal ground separation
- Bare cable ends, gold-plated RCA jacks
- Max. input power: 20 W
- Input/output impedance: 120 Ω/200 Ω
- Frequency range: 20-30,000 Hz
- THD: < 0.001%
- Ø 35 mm x 65 mm, 65 g



FGA-22S

Order No. 06.7550

Transformer with switching voltage generation, for car radios only, for connecting speaker outputs of a car radio to the line inputs of an amplifier.

- For operation with car audio systems which do not feature a switching voltage output
- Switching voltage (REM) is generated independently of the audio signal, even when the music stops
- Internal ground separation
- Screw terminals, gold-plated RCA jacks
- Max. input power: 20 W
- Input/output impedance: 20 kΩ/10 kΩ
- Frequency range: 20-30,000 Hz
- THD: < 0.01%
- Power supply: ⎓ 12 V/25 mA
- 43 x 27 x 100 mm, 70 g



Full specifications can be found on our website www.monacor-international.de.

HPB-604

Order No. 14.2490

700 W MAX 2Ω STABLE

Car hi-fi amplifier, 4 channels, 400 W

- 4-channel power amplifier with extensive features, ideally suited for combining a stereo mid-high range system with any subwoofer or also for driving speakers in the front or rear
- Adjustable high-pass filter and low-pass filter for each channel pair
- 2-channel, 3-channel or 4-channel operation, selectable
- Variable bass boost for each channel pair
- Additional mono line out (2x), high-power input possible with FGA-22 or FGA-22HQ

Model	HPB-604
Power rating at 2 Ω	4 x 100 W
Power rating at 4 Ω	4 x 75 W
Power rating with 4 Ω bridged operation	2 x 200 W
Peak music power output (P_{MAX})	700 W
Inputs	0.4-4 V/20 kΩ
Frequency range	20-20,000 Hz
Crossover frequency	40-300 Hz, 6 dB/oct. (low-pass filter) 40-500 Hz, 6 dB/oct. (high-pass filter)
S/N ratio	> 93 dBA
THD	< 0.2%
Power supply	⎓ 10-16 V/50 A
Dimensions	252 x 62 x 400 mm
Weight	3.195 kg
Connections	screw terminals (speakers) 1 x RCA L/R (line in) 1 x RCA L/R (line out)



HPB-1502

Order No. 14.2470

750 W MAX 2Ω STABLE

Car hi-fi amplifier, 2 channels, 500 W

- Due to the high power, a perfect 2-channel amplifier e.g. for complete rear-shelf systems or for subwoofers
- Adjustable low-pass filter and high-pass filter
- Can be bridged
- Bass boost
- Par. line out, mono/stereo selection
- High-power input possible with FGA-22 or FGA-22HQ

Model	HPB-1502
Power rating at 2 Ω	2 x 250 W
Power rating at 4 Ω	2 x 175 W
Power rating with 4 Ω bridged operation	1 x 500 W
Peak music power output (P_{MAX})	750 W
Inputs	0.4-4 V/20 kΩ
Frequency range	20-2,000 Hz
Crossover frequency	40-300 Hz, 6 dB/oct. (low-pass filter) 40-500 Hz, 6 dB/oct. (high-pass filter)
Crosstalk attenuation	> 50 dB
THD	< 0.2%
Power supply	⎓ 10-16 V/45 A
Dimensions	252 x 62 x 363 mm
Weight	2.985 kg
Connections	screw terminals (speakers) 1 x RCA L/R (line in) 1 x RCA L/R (line out)



HPB-602

Order No. 14.2480

350 W MAX 2Ω STABLE

Car hi-fi amplifier, 2 channels, 225 W

- 2-channel power amplifier, to be applied as a full-range, subwoofer or mid-high range amplifier
- Adjustable low-pass filter and high-pass filter
- Can be bridged
- Par. line out, mono/stereo selection
- High-power input possible with FGA-22 or FGA-22HQ

Model	HPB-602
Power rating at 2 Ω	2 x 100 W
Power rating at 4 Ω	2 x 70 W
Power rating with 4 Ω bridged operation	1 x 225 W
Peak music power output (P_{MAX})	350 W
Frequency range	20-20,000 Hz
Crossover frequency	40-300 Hz, 6 dB/oct. (low-pass filter) 40-500 Hz, 6 dB/oct. (high-pass filter)
S/N ratio	> 94 dB (A)
Crosstalk attenuation	> 45 dB
THD	< 0.2%
Power supply	⎓ 10-16 V/22 A
Dimensions	252 x 62 x 243 mm
Weight	1.91 kg
Connections	screw terminals (speakers) 1 x RCA L/R (line in) 1 x RCA L/R (line out)



CPF-530GH

Order No. 14.1060



Fuse holder, for high current flat fuses (ANL).

- Fully sealed
- Gold-plated
- Without fuse
- Cable inlet: Ø 12 mm, Ø 35 mm x 155 mm

CPF-520GH

Order No. 14.1050



Fuse holder, for high current flat fuses (ANL).

- Fully sealed
- Gold-plated
- Without fuse
- Cable inlet: Ø 12 mm, 110 x 70 x 40 mm

CPF-1G

Order No. 14.2160



Cable fuse holder, for high current round fuses.

- Cable inlet: Ø 8 mm each
- Gold-plated terminal covers, with cable bending protection
- Insulated version with mounting plate
- Dimensions: Ø 26 mm x 85 mm

High Current Flat Fuses (ANL)



- For protecting 60-250 A
- All contacts gold-plated
- For car hi-fi applications and for low-voltage/high current applications
- Matching holders: CPF-5...GH from CARPOWER
- Dimensions (WxHxD): 81 x 8.5 x 22.5 mm

Model	Order No.	Nominal value	Dimensions
CPF-200GF	14.1120	200 A	81 x 8.5 x 22.5 mm
CPF-150GF	14.1110	150 A	81 x 8.5 x 22.5 mm
CPF-100GF	14.1100	100 A	81 x 8.5 x 22.5 mm
CPF-080GF	14.1090	80 A	81 x 8.5 x 22.5 mm
CPF-060GF	14.1080	60 A	81 x 8.5 x 22.5 mm

High Current Round Fuses

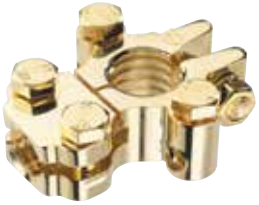


- Slow-blow
- Gold-plated covers
- Matching holders: CPF-1N, CPF-1G, CPF-4GF, CPF-2GF from CARPOWER
- Dimensions: Ø 10.3 mm x 38.1 mm

Model	Order No.	Nominal value	Dimensions
CPF-60G	14.0720	60 A	Ø 10.3 mm x 38.1 mm
CPF-50G	14.0710	50 A	Ø 10.3 mm x 38.1 mm
CPF-40G	14.0700	40 A	Ø 10.3 mm x 38.1 mm
CPF-30G	14.0690	30 A	Ø 10.3 mm x 38.1 mm
CPF-20G	14.0680	20 A	Ø 10.3 mm x 38.1 mm

CPC-32G

Order No. 14.2530

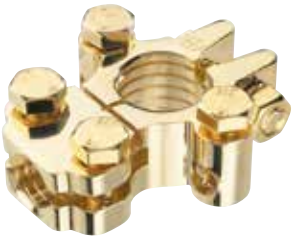


Negative terminal battery clamp, gold-plated.

- For term. posts with Ø: approx. 16 mm
- For connecting up to 3 cables (1 x Ø 10 mm, 2 x Ø 5 mm)
- Connection facility for ring terminals, forked terminals or cable end sleeves

CPC-31G

Order No. 14.2520



Positive terminal battery clamp, gold-plated.

- For term. posts with Ø: approx. 18 mm
- For connecting up to 3 cables (1 x Ø 10 mm, 2 x Ø 5 mm)
- Connection facility for ring terminals, forked terminals or cable end sleeves

Full specifications can be found on our website www.monacor-international.de.

CPD-6G
Order No. 14.2460



4-way distributor
- Cable inlet: 2 x Ø 12 mm, 4 x Ø 8 mm
- Insulated version, gold-plated
- Hexagonal housing
- Dimensions: Ø 80 mm x 30 mm

CRA-10
Order No. 14.1800



Plug-in antenna adapter
- 50 Ω antenna to 150 Ω car radio antenna input

CPC-42G
Order No. 14.1670



4-way plug-in connector, gold-plated.
- 4 contact rows with polarity identification
- Screw clamping connections
- For cables up to Ø 4.3 mm
- Dimensions: 57 x 45 x 10 mm

CRA-20
Order No. 14.1810



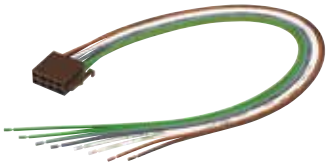
Right-angle plug-in antenna adapter
- 150 Ω antenna to 50 Ω car radio antenna input

CPC-22/3
Order No. 14.0030



Plug-in connector strip, on the basis of luster terminals.
- 3 pairs of contacts, 2 poles each
- Screw clamping connections with connector caps
- For cables up to Ø 3 mm
- Suitable for 400 V and 16 A

CA-400IO
Order No. 14.1320



Adapter cable
- Speaker adapter
- ISO jack to open wires (40 cm)

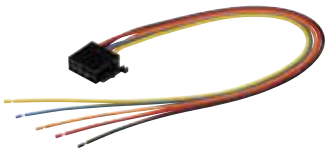
CP-20
Order No. 14.1640

PAAR
PAIR



Pair of DIN speaker plugs
- Screw clamping connection
- For cable Ø: up to 3 mm/4 mm²

CA-500IO
Order No. 14.1380



Adapter cable
- Current adapter for a permanent positive connection (memory), antenna, backlight and power supply
- ISO jack to open wires (40 cm)

CPC-82KIT
Order No. 14.2830



Cable set, for connecting car amplifiers.
- Current rating up to 60 A, 60 A fuse
- 1 x 5 m positive cable, 10 mm²/Ø 6.2 mm
- 1 x 1 m ground cable, 10 mm²/Ø 6.2 mm
- 1 x 5 m stereo RCA cable with double shielding
- 1 x fuse holder with fuse
- 2 x ring terminal
- 2 x forked terminal
- 5 x nylon cable tie

ENF-90
Order No. 06.4360



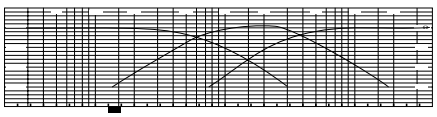
12 V noise suppressor
- For interference suppression of car radios and amplifiers
- Wire connections
- Current rating: 10 A/30 A max., ⎓ 11-16 V
- Dimensions: 74 x 42 x 50 mm
- Weight: 235 g

DN-200
Order No. 12.0170

3-way crossover network for 8 Ω
- High-quality components
- For general applications



DN-200

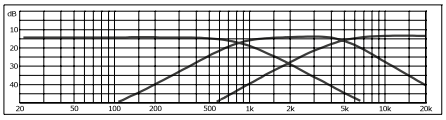


DN-10
Order No. 12.0130

3-way crossover network for 8 Ω
- High-quality components
- Film capacitors in the high-pass filter



DN-10 (12.0130)

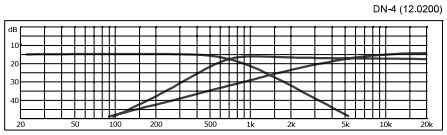


DN-4
Order No. 12.0200

3-way crossover network for 8 Ω
- Air core coils
- High-quality bipolar electrolytic capacitors



DN-4 (12.0200)

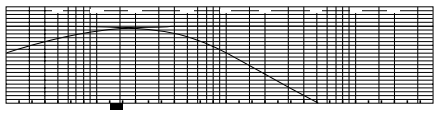


DNL-1245
Order No. 12.3280

Bass 2-way crossover network for 8 Ω for PA
- Highest power rating
- Film capacitors
- Transformer core coil
- Frequency and slopes typical for PA
- Extendable



DNL-1245

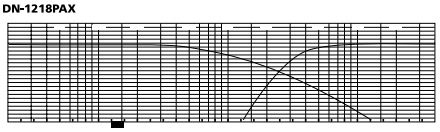


DN-1218PAX
Order No. 12.5210

2-way crossover network for 8 Ω
- Highest power rating version for PA
- Optimum filter effect for typical PA bass speakers of 30 cm and 38 cm



DN-1218PAX

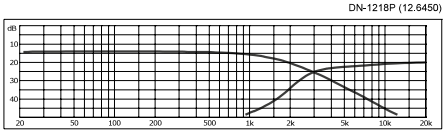


DN-1218P
Order No. 12.6450

2-way crossover network for 8 Ω for hi-fi and PA
- High slopes
- High-quality version
- Film capacitors
- Tweeter protection



DN-1218P (12.6450)



Model	DN-200	DN-10	DN-4	DNL-1245	DN-1218PAX	DN-1218P
General Information	3-way	3-way	3-way	PA - sub/sat mono	2-way	2-way
Output impedance	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω
Crossover frequency	700/3,500 Hz	800/4,500 Hz	650/6,000 Hz	200 Hz	2,500 Hz	3
Slope/oct.	12 dB	12 dB	12/6 dB	B: 12 dB /MH: 6 dB	12 dB/18 dB	12 dB/18 dB
Max. input power	400 W	100 W	100 W	600 W	600 W	350 W
Dimensions	243 x 35 x 160 mm	165 x 23 x 110 mm	120 x 23 x 70 mm	140 x 60 x 135 mm	120 x 60 x 132 mm	125 x 32 x 110 mm
Weight	1.372 kg	0.511 kg	0.315 kg	1 kg	1.065 kg	0.44 kg

Full specifications can be found on our website www.monacor-international.de.

DN-2618P

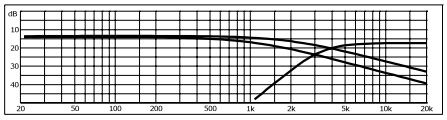
Order No. 12.6460

2-way crossover network for 8 Ω

- Tweeter protection (P)
- Film capacitors
- Low-pass filter also suitable for 4 Ω



DN-2618P (12.6460)



DN-2618

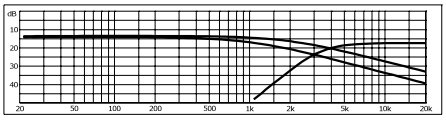
Order No. 12.2260

2-way crossover network for 8 Ω

- Film capacitors
- Low-pass filter also suitable for 4 Ω



DN-2618P (12.6460)



DN-20

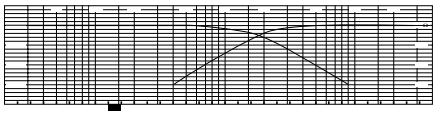
Order No. 12.0160

2-way crossover network for 8 Ω

- For hi-fi applications
- Ideal in combination with high-quality speakers



DN-20



DNH-185

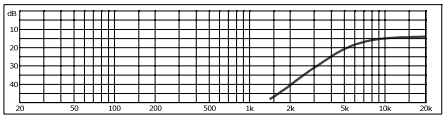
Order No. 12.2060

Mono high-pass filter for 8 Ω for hi-fi and PA

- Top-quality components
- Low-impedance coils
- Film capacitors



DNH-185 (12.2060)



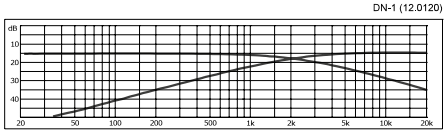
DN-1

Order No. 12.0120

2-way crossover network for 8 Ω



DN-1 (12.0120)



Model	DN-2618P	DN-2618	DN-20	DNH-185	DN-1
General Information	2-way	2-way	2-way	high-pass filter	2-way
Output impedance	8 Ω (bass also 4 Ω)	8 Ω (bass also 4 Ω)	8 Ω	8 Ω	8 Ω
Crossover frequency	3 kHz, (B = 4 Ω: 1.7 kHz)	3 kHz (B = 4 Ω : 1.7 kHz)	2,000 Hz	5,500 Hz	250 Hz
Slope/oct.	6 dB/18 dB	6 dB/18 dB	12 dB	18 dB	6 dB
Max. input power	350 W	350 W	300 W	250 W	60 W
Dimensions	125 x 32 x 110 mm	125 x 32 x 110 mm	125 x 35 x 120 mm	78 x 23 x 90 mm	68 x 30 x 54 mm
Weight	0.417 kg	0.41 kg	0.552 kg	0.117 kg	75 g

Transformer Core Coils

OFC

High-quality crossover network coils of very high power rating, low distortions (vacuum-sealed) and minimum inside resistances, the first choice particularly for PA applications.



Model	Order No.	Nominal value	Power rating	Enam. copper wire (CUL)	DC resistance	Saturation current (50 Hz)	Dimensions
LSI-22T	12.5410	2.2 mH	500 W/250 W	Ø 1.2 mm	0.1 Ω	7.9 A	60 x 50 x 42 mm (EI-57)
LSI-27T	12.5420	2.7 mH	500 W/250 W	Ø 1.2 mm	0.12 Ω	7.9 A	60 x 50 x 42 mm (EI-57)
LSI-33T	12.5430	3.3 mH	500 W/250 W	Ø 1.2 mm	0.13 Ω	7.9 A	60 x 50 x 42 mm (EI-57)
LSI-39T	12.5440	3.9 mH	500 W/250 W	Ø 1.2 mm	0.16 Ω	7.9 A	60 x 50 x 42 mm (EI-57)
LSI-47T	12.5450	4.7 mH	500 W/250 W	Ø 1.4 mm	0.14 Ω	7.9 A	68 x 58 x 55 mm (EI-66)
LSI-56T	12.5460	5.6 mH	480 W/240 W	Ø 1.4 mm	0.15 Ω	7.7 A	68 x 58 x 55 mm (EI-66)
LSI-68T	12.5470	6.8 mH	480 W/240 W	Ø 1.4 mm	0.16 Ω	7.7 A	68 x 58 x 55 mm (EI-66)
LSI-82T	12.5480	8.2 mH	370 W/185 W	Ø 1.4 mm	0.17 Ω	6.8 A	68 x 58 x 55 mm (EI-66)
LSI-100T	12.5490	10 mH	330 W/165 W	Ø 1.4 mm	0.19 Ω	6.4 A	68 x 58 x 55 mm (EI-66)
LSI-12T	12.3190	12 mH	480 W/240 W	Ø 1.6 mm	0.14 Ω	7.7 A	76 x 65 x 92 mm (EI-76)
LSI-15T	12.3200	15 mH	1,000 W/500 W	Ø 1.8 mm	0.12 Ω	11.5 A	96 x 82 x 102 mm (EI-96)

Ferrite Core Coils

OFC

Very small design, e.g. for car hi-fi crossover networks up to medium power rating or as parallel components.



Model	Order No.	Nominal value	Power rating	Enam. copper wire (CUL)	DC resistance	Dimensions
LSIF-100/1	12.6260	1.0 mH	60 W/30 W	Ø 0.65 mm	0.3 Ω	Ø 23 mm x 18 mm
LSIF-150/1	12.6270	1.5 mH	60 W/30 W	Ø 0.65 mm	0.35 Ω	Ø 26 mm x 26 mm
LSIF-220/1	12.6280	2.2 mH	60 W/30 W	Ø 0.65 mm	0.4 Ω	Ø 30 mm x 26 mm
LSIF-330/1	12.6290	3.3 mH	30 W/30 W	Ø 0.65 mm	0.5 Ω	Ø 30 mm x 26 mm
LSIF-470/1	12.6300	4.7 mH	60 W/30 W	Ø 0.65 mm	0.65 Ω	Ø 30 mm x 26 mm

Air Core Coils

OFC

With high power rating and low resistance due to 1.2 mm wire, distortion-free, perfect midrange and 2-way coils for hi-fi applications.



Model	Order No.	Nominal value	Power rating	Enam. copper wire (CUL)	DC resistance	Sales unit	Dimensions
LSIP-15	12.4940	0.15 mH	300 W	Ø 1.2 mm	0.15 Ω	1	Ø 48 mm x 19 mm
LSIP-18	12.4950	0.18 mH	300 W	Ø 1.2 mm	0.15 Ω	1	Ø 48 mm x 19 mm
LSIP-22	12.4960	0.22 mH	300 W	Ø 1.2 mm	0.15 Ω	1	Ø 48 mm x 19 mm
LSIP-27	12.4970	0.27 mH	300 W	Ø 1.2 mm	0.2 Ω	1	Ø 48 mm x 19 mm
LSIP-33	12.4980	0.33 mH	300 W	Ø 1.2 mm	0.2 Ω	1	Ø 48 mm x 19 mm
LSIP-39	12.4990	0.39 mH	300 W	Ø 1.2 mm	0.25 Ω	1	Ø 59 mm x 19 mm
LSIP-47	12.5000	0.47 mH	300 W	Ø 1.2 mm	0.25 Ω	1	Ø 59 mm x 19 mm
LSIP-56	12.5010	0.56 mH	300 W	Ø 1.2 mm	0.3 Ω	1	Ø 59 mm x 19 mm
LSIP-68	12.5020	0.68 mH	300 W	Ø 1.2 mm	0.35 Ω	1	Ø 59 mm x 19 mm
LSIP-82	12.5030	0.82 mH	300 W	Ø 1.2 mm	0.35 Ω	1	Ø 59 mm x 19 mm
LSIP-100	12.5040	1.0 mH	300 W	Ø 1.2 mm	0.4 Ω	1	Ø 59 mm x 19 mm
LSIP-120	12.5050	1.2 mH	300 W	Ø 1.2 mm	0.45 Ω	1	Ø 70 mm x 30 mm
LSIP-150	12.5060	1.5 mH	300 W	Ø 1.2 mm	0.5 Ω	1	Ø 70 mm x 30 mm
LSIP-180	12.5070	1.8 mH	300 W	Ø 1.2 mm	0.55 Ω	1	Ø 70 mm x 30 mm
LSIP-220	12.5080	2.2 mH	300 W	Ø 1.2 mm	0.6 Ω	1	Ø 70 mm x 30 mm
LSIP-270	12.5090	2.7 mH	300 W	Ø 1.2 mm	0.65 Ω	1	Ø 70 mm x 30 mm
LSIP-330	12.5100	3.3 mH	300 W	Ø 1.2 mm	0.75 Ω	1	Ø 70 mm x 30 mm

Air Core Coils

With medium wire thickness (1 mm), for general applications, for constructing high-quality crossover networks of high power rating.

OFC



Model	Order No.	Nominal value	Power rating	Enam. copper wire (CUL)	DC resistance	Dimensions
LSIP-15/1	12.4790	0.15 mH	150 W	Ø 1.0 mm	0.15 Ω	Ø 48 mm x 19 mm
LSIP-18/1	12.4800	0.18 mH	150 W	Ø 1.0 mm	0.2 Ω	Ø 48 mm x 19 mm
LSIP-22/1	12.4810	0.22 mH	150 W	Ø 1.0 mm	0.15 Ω	Ø 48 mm x 19 mm
LSIP-27/1	12.4820	0.27 mH	150 W	Ø 1.0 mm	0.25 Ω	Ø 48 mm x 19 mm
LSIP-33/1	12.4830	0.33 mH	150 W	Ø 1.0 mm	0.3 Ω	Ø 48 mm x 19 mm
LSIP-39/1	12.4840	0.39 mH	150 W	Ø 1.0 mm	0.3 Ω	Ø 48 mm x 19 mm
LSIP-47/1	12.4850	0.47 mH	150 W	Ø 1.0 mm	0.35 Ω	Ø 48 mm x 19 mm
LSIP-56/1	12.4860	0.56 mH	150 W	Ø 1.0 mm	0.4 Ω	Ø 48 mm x 19 mm
LSIP-68/1	12.4870	0.68 mH	150 W	Ø 1.0 mm	0.45 Ω	Ø 48 mm x 19 mm
LSIP-82/1	12.4880	0.82 mH	150 W	Ø 1.0 mm	0.5 Ω	Ø 48 mm x 19 mm
LSIP-100/1	12.4890	1.0 mH	150 W	Ø 1.0 mm	0.55 Ω	Ø 59 mm x 19 mm
LSIP-120/1	12.4900	1.2 mH	150 W	Ø 1.0 mm	0.6 Ω	Ø 59 mm x 19 mm
LSIP-150/1	12.4910	1.5 mH	150 W	Ø 1.0 mm	0.65 Ω	Ø 59 mm x 19 mm
LSIP-180/1	12.4920	1.8 mH	150 W	Ø 1.0 mm	0.7 Ω	Ø 59 mm x 19 mm
LSIP-220/1	12.4930	2.2 mH	150 W	Ø 1.0 mm	0.8 Ω	Ø 70 mm x 30 mm

Air Core Coils

With 0.85 mm wire for constructing high-quality hi-fi crossover networks, also of very high quality as parallel coils.

OFC

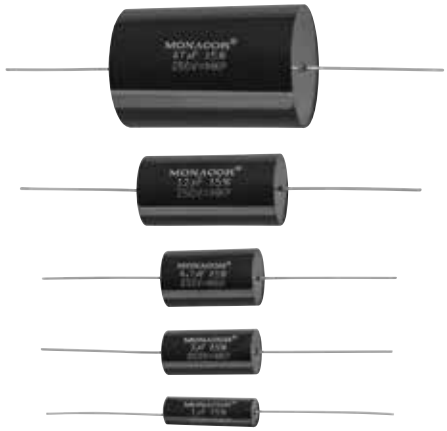


Model	Order No.	Nominal value	Power rating	Enam. copper wire (CUL)	DC resistance	Dimensions
LSIP-10/2	12.6250	0.10 mH	100 W	Ø 0.85 mm	0.2 Ω	Ø 48 mm x 19 mm
LSIP-15/2	12.4680	0.15 mH	100 W	Ø 0.85 mm	0.2 Ω	Ø 37 mm x 11 mm
LSIP-18/2	12.4690	0.18 mH	100 W	Ø 0.85 mm	0.2 Ω	Ø 37 mm x 11 mm
LSIP-22/2	12.4700	0.22 mH	100 W	Ø 0.85 mm	0.25 Ω	Ø 38 mm x 11 mm
LSIP-27/2	12.4710	0.27 mH	100 W	Ø 0.85 mm	0.35 Ω	Ø 48 mm x 19 mm
LSIP-33/2	12.4720	0.33 mH	100 W	Ø 0.85 mm	0.4 Ω	Ø 48 mm x 19 mm
LSIP-39/2	12.4730	0.39 mH	100 W	Ø 0.85 mm	0.4 Ω	Ø 48 mm x 19 mm
LSIP-47/2	12.4740	0.47 mH	100 W	Ø 0.85 mm	0.45 Ω	Ø 48 mm x 19 mm
LSIP-56/2	12.4750	0.56 mH	100 W	Ø 0.85 mm	0.5 Ω	Ø 48 mm x 19 mm
LSIP-68/2	12.4760	0.68 mH	100 W	Ø 0.85 mm	0.55 Ω	Ø 48 mm x 19 mm
LSIP-82/2	12.4770	0.82 mH	100 W	Ø 0.85 mm	0.6 Ω	Ø 48 mm x 19 mm
LSIP-100/2	12.4780	1.0 mH	100 W	Ø 0.85 mm	0.7 Ω	Ø 48 mm x 19 mm

MKP Film Capacitors, 250 V

5%

- Top-quality capacitors for high-end crossover networks
- Metallised polypropylene film
- Extra low loss factor
- Resistant to aging
- Axial design

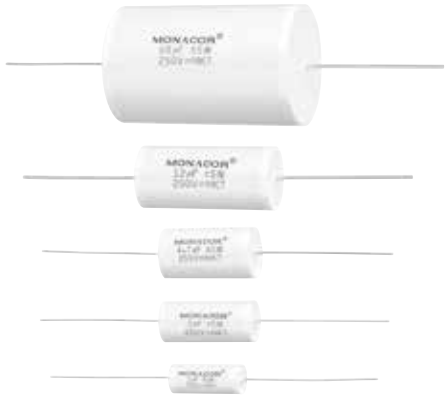


Model	Order No.	Nominal value	Rated voltage	Housing	Pin spacing
MKPA-10	11.1510	1.0 µF	⎓ 250 V	Ø 9.5 mm x 31 mm	32.5 mm
MKPA-15	11.1520	1.5 µF	⎓ 250 V	Ø 11 mm x 31 mm	32.5 mm
MKPA-22	11.1530	2.2 µF	⎓ 250 V	Ø 13.5 mm x 31 mm	32.5 mm
MKPA-27	11.2300	2.7 µF	⎓ 250 V	Ø 15.5 mm x 31 mm	32.5 mm
MKPA-30	11.1540	3.0 µF	⎓ 250 V	Ø 16 mm x 31 mm	32.5 mm
MKPA-33	11.1550	3.3 µF	⎓ 250 V	Ø 17 mm x 31 mm	32.5 mm
MKPA-39	11.1560	3.9 µF	⎓ 250 V	Ø 17 mm x 31 mm	32.5 mm
MKPA-47	11.1570	4.7 µF	⎓ 250 V	Ø 19 mm x 31 mm	32.5 mm
MKPA-68	11.1580	6.8 µF	⎓ 250 V	Ø 18 mm x 45 mm	46 mm
MKPA-82	11.1590	8.2 µF	⎓ 250 V	Ø 20 mm x 46 mm	47.5 mm
MKPA-100	11.1600	10 µF	⎓ 250 V	Ø 21.5 mm x 46 mm	47.5 mm
MKPA-120	11.1610	12 µF	⎓ 250 V	Ø 23.5 mm x 46 mm	47.5 mm
MKPA-150	11.1620	15 µF	⎓ 250 V	Ø 24.5 mm x 56 mm	57.5 mm
MKPA-220	11.1630	22 µF	⎓ 250 V	Ø 28.5 mm x 61 mm	62.5 mm
MKPA-330	11.1640	33 µF	⎓ 250 V	Ø 33 mm x 61 mm	62.5 mm
MKPA-470	11.1650	47 µF	⎓ 250 V	Ø 40.5 mm x 61 mm	62.5 mm

MKT Film Capacitors, 250 V

5%

- Top-quality capacitors for high-quality crossover networks
- Metallised polyester film
- Very low loss factor
- Resistant to aging
- Axial design



Model	Order No.	Nominal value	Rated voltage	Housing	Pin spacing
MKTA-10	11.1660	1.0 µF	⎓ 250 V	Ø 10 mm x 24 mm	25 mm
MKTA-15	11.1670	1.5 µF	⎓ 250 V	Ø 12 mm x 24 mm	25 mm
MKTA-22	11.1680	2.2 µF	⎓ 250 V	Ø 12 mm x 31 mm	32.5 mm
MKTA-27	11.2290	2.7 µF	⎓ 250 V	Ø 12.5 mm x 31 mm	32.5 mm
MKTA-30	11.1690	3.0 µF	⎓ 250 V	Ø 14 mm x 31 mm	32.5 mm
MKTA-33	11.1700	3.3 µF	⎓ 250 V	Ø 14.5 mm x 31 mm	32.5 mm
MKTA-39	11.1710	3.9 µF	⎓ 250 V	Ø 16 mm x 31 mm	32.5 mm
MKTA-47	11.1720	4.7 µF	⎓ 250 V	Ø 17 mm x 31 mm	32.5 mm
MKTA-68	11.1730	6.8 µF	⎓ 250 V	Ø 16 mm x 46 mm	57.5 mm
MKTA-82	11.1740	8.2 µF	⎓ 250 V	Ø 17.5 mm x 46 mm	47.5 mm
MKTA-100	11.1750	10 µF	⎓ 250 V	Ø 19.5 mm x 46 mm	47.5 mm
MKTA-120	11.1760	12 µF	⎓ 250 V	Ø 21 mm x 46 mm	47.5 mm
MKTA-150	11.1770	15 µF	⎓ 250 V	Ø 23 mm x 46 mm	47.5 mm
MKTA-220	11.1780	22 µF	⎓ 250 V	Ø 27.5 mm x 46 mm	47.5 mm
MKTA-330	11.1790	33 µF	⎓ 250 V	Ø 30 mm x 56 mm	57.5 mm
MKTA-470	11.1800	47 µF	⎓ 250 V	Ø 35 mm x 56 mm	57.5 mm
MKTA-680	11.1810	68 µF	⎓ 250 V	Ø 39 mm x 61 mm	62.5 mm

Bipolar Electrolytic Capacitors 1.5-220 µF

10%

- Voltage stability: ~ 35 V/⎓ 100 V, 150 W/8 Ω, 300 W/4 Ω
- Very low loss factor
- High current rating with long-term value stability



Model	Order No.	Nominal value	Power rating	Pin spacing	Sales unit
LSC-22NP	12.2640	2.2 µF	~ 35 V/ 100 V, 150 W/8 Ω, 300 W/4 Ω	20 mm	4
LSC-33NP	12.2660	3.3 µF	~ 35 V/ 100 V, 150 W/8 Ω, 300 W/4 Ω	20 mm	4
LSC-47NP	12.2680	4.7 µF	~ 35 V/ 100 V, 150 W/8 Ω, 300 W/4 Ω	20 mm	4
LSC-68NP	12.2700	6.8 µF	~ 35 V/ 100 V, 150 W/8 Ω, 300 W/4 Ω	20 mm	4
LSC-100NP	12.2590	10 µF	~ 35 V/ 100 V, 150 W/8 Ω, 300 W/4 Ω	20 mm	4
LSC-150NP	12.2620	15 µF	~ 35 V/ 100 V, 150 W/8 Ω, 300 W/4 Ω	25 mm	4
LSC-220NP	12.2650	22 µF	~ 35 V/ 100 V, 150 W/8 Ω, 300 W/4 Ω	30 mm	4
LSC-330NP	12.2670	33 µF	~ 35 V/ 100 V, 150 W/8 Ω, 300 W/4 Ω	30 mm	4
LSC-470NP	12.2690	47 µF	~ 35 V/ 100 V, 150 W/8 Ω, 300 W/4 Ω	30 mm	4
LSC-680NP	12.2710	68 µF	~ 35 V/ 100 V, 150 W/8 Ω, 300 W/4 Ω	35 mm	2
LSC-1000NP	12.2600	100 µF	~ 35 V/ 100 V, 150 W/8 Ω, 300 W/4 Ω	35 mm	2
LSC-1500NP	12.5540	150 µF	~ 35 V/ 100 V, 150 W/8 Ω, 300 W/4 Ω	37.5 mm	2
LSC-2200NP	12.5560	220 µF	~ 35 V/ 100 V, 150 W/8 Ω, 300 W/4 Ω	45 mm	2

Full specifications can be found on our website www.monacor-international.de.

High-Performance Cement Resistors, 20 W

5%

Resistors for use in crossover networks, especially for PA and top hi-fi applications, also to be connected as load resistors.



Model	Order No.	Nominal value	Power rating
LSR-10/20	12.4010	1.0 Ω	20 W
LSR-12/20	12.4020	1.2 Ω	20 W
LSR-15/20	12.4030	1.5 Ω	20 W
LSR-18/20	12.4040	1.8 Ω	20 W
LSR-22/20	12.4050	2.2 Ω	20 W
LSR-27/20	12.4060	2.7 Ω	20 W
LSR-33/20	12.4070	3.3 Ω	20 W
LSR-39/20	12.4080	3.9 Ω	20 W
LSR-47/20	12.4090	4.7 Ω	20 W
LSR-56/20	12.4100	5.6 Ω	20 W
LSR-68/20	12.4110	6.8 Ω	20 W
LSR-82/20	12.4120	8.2 Ω	20 W
LSR-100/20	12.4130	10 Ω	20 W
LSR-120/20	12.4140	12 Ω	20 W
LSR-150/20	12.4150	15 Ω	20 W
LSR-180/20	12.4160	18 Ω	20 W
LSR-220/20	12.4170	22 Ω	20 W
LSR-270/20	12.4180	27 Ω	20 W
LSR-330/20	12.4190	33 Ω	20 W
LSR-390/20	12.6190	39 Ω	20 W
LSR-470/20	12.6200	47 Ω	20 W

High-Performance Cement Resistors, 10 W

5%

Resistors for use in crossover networks, especially for PA and top hi-fi applications, also to be connected as load resistors.



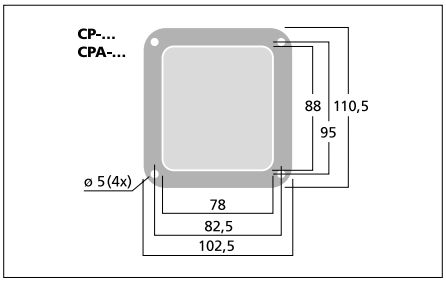
Model	Order No.	Nominal value	Power rating
LSR-10/10	12.3820	1.0 Ω	10 W
LSR-12/10	12.3830	1.2 Ω	10 W
LSR-15/10	12.3840	1.5 Ω	10 W
LSR-18/10	12.3850	1.8 Ω	10 W
LSR-22/10	12.3860	2.2 Ω	10 W
LSR-27/10	12.3870	2.7 Ω	10 W
LSR-33/10	12.3880	3.3 Ω	10 W
LSR-39/10	12.3890	3.9 Ω	10 W
LSR-47/10	12.3900	4.7 Ω	10 W
LSR-56/10	12.3910	5.6 Ω	10 W
LSR-68/10	12.3920	6.8 Ω	10 W
LSR-82/10	12.3930	8.2 Ω	10 W
LSR-100/10	12.3940	10 Ω	10 W
LSR-120/10	12.3950	12 Ω	10 W
LSR-150/10	12.3960	15 Ω	10 W
LSR-180/10	12.3970	18 Ω	10 W
LSR-220/10	12.3980	22 Ω	10 W
LSR-270/10	12.3990	27 Ω	10 W
LSR-330/10	12.4000	33 Ω	10 W
LSR-390/10	12.6130	39 Ω	10 W
LSR-470/10	12.6140	47 Ω	10 W

Terminals

For building PA speaker systems and for general use, flush mounting, assembled or as recessed connector plates with pre-drilled holes, robust steel version, black lacquered.

CP-5/SW
Order No. 12.8070

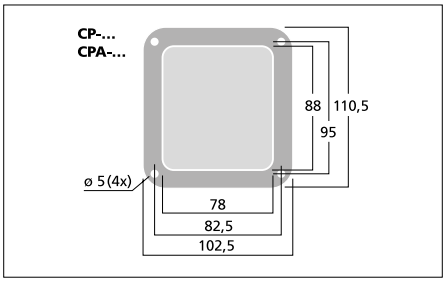
PA terminal, for 2 x Speakon, without connectors.





CP-6/SW
Order No. 12.8090

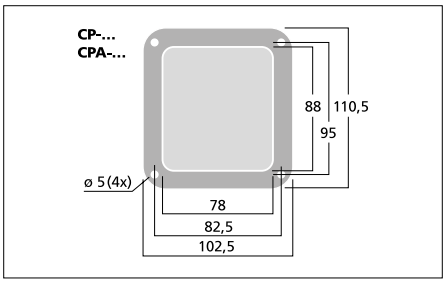
PA terminal, for 1 x Speakon, without connectors.





CP-1/SW
Order No. 12.7990

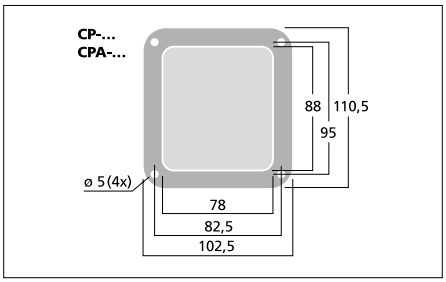
PA terminal, for individual use.





CPA-5/SW
Order No. 12.8190

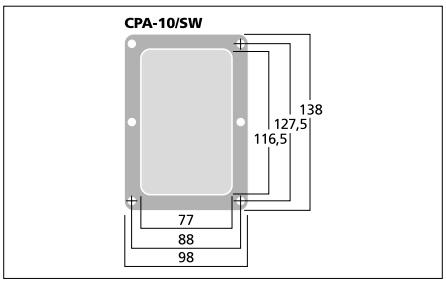
PA terminal, with 2 x Speakon connector.





CPA-10/SW
Order No. 12.3040

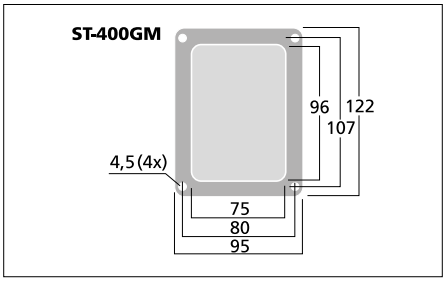
PA terminal, (plastic) with 2 x SPEAKER connector.





ST-400GM
Order No. 12.5270

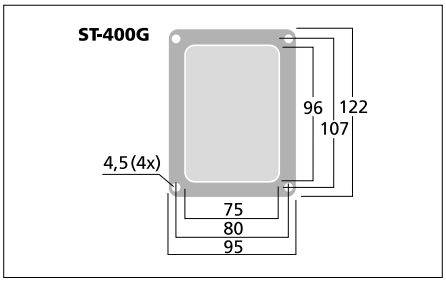
Bi-wiring terminal
With gold-plated all-metal connectors, for screwing as well as for 4 mm banana plugs.





ST-400G
Order No. 12.5260

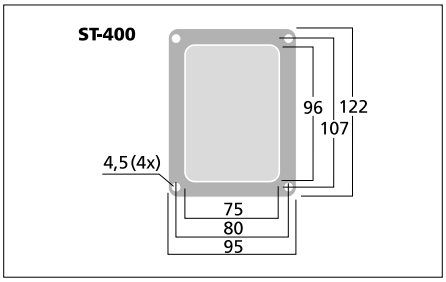
Bi-wiring terminal
With gold-plated contacts and plastic covers, for screwing as well as for 4 mm banana plugs.





ST-400
Order No. 12.5250

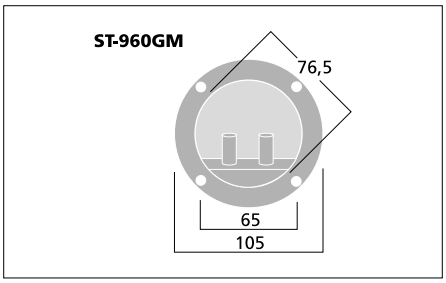
Bi-wiring terminal
With nickel-plated contacts, for screwing as well as for 4 mm banana plugs.





ST-960GM
Order No. 12.5400

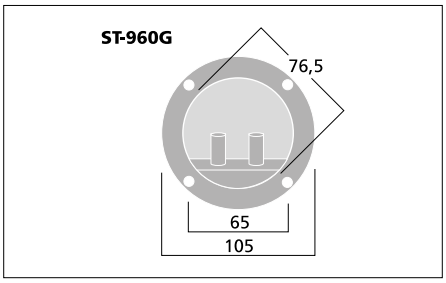
Speaker terminal
Round, with gold-plated all-metal connectors, for screwing as well as for 4 mm banana plug.





ST-960G
Order No. 12.2070

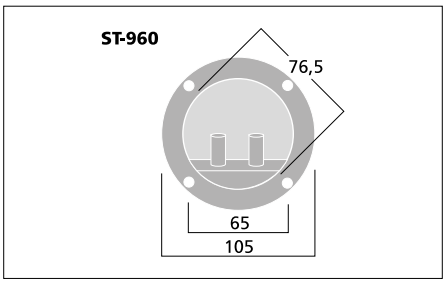
Speaker terminal
With gold-plated contacts and plastic covers, for screwing as well as for 4 mm banana plugs.





ST-960
Order No. 12.1470

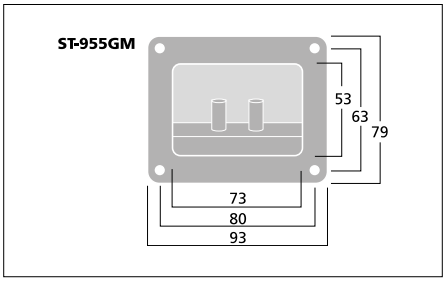
Speaker terminal
With nickel-plated contacts, for screwing as well as for 4 mm banana plugs.





ST-955GM
Order No. 12.5390

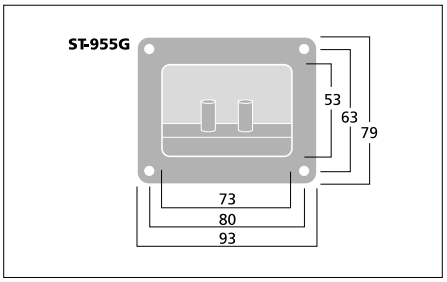
Speaker terminal
Square, with gold-plated all-metal connectors, for screwing as well as for 4 mm banana plugs.





ST-955G
Order No. 12.2090

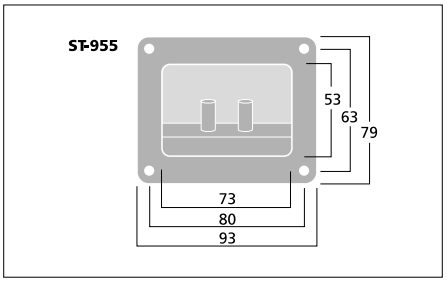
Speaker terminal
With gold-plated contacts and plastic covers, for screwing as well as for 4 mm banana plugs.





ST-955
Order No. 12.2080

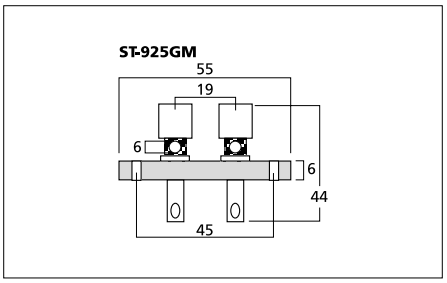
Speaker terminal
Square, with nickel-plated contacts, for screwing as well as for 4 mm banana plugs.





ST-925GM
Order No. 12.5350

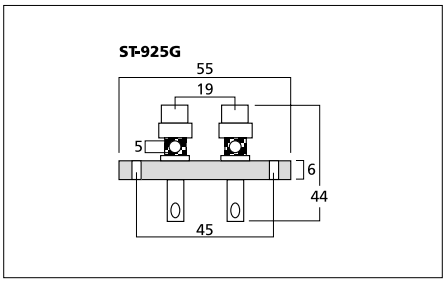
Speaker terminal
To be screwed on, with gold-plated all-metal connectors, for screwing as well as for 4 mm banana plugs.

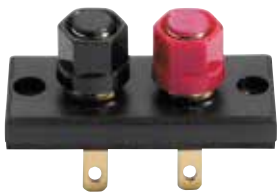




ST-925G
Order No. 12.5340

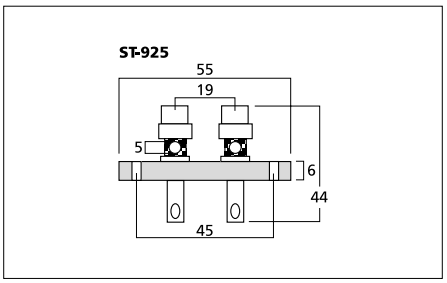
Speaker terminal
To be screwed on, with gold-plated contacts and plastic covers, for screwing as well as for 4 mm banana plugs.





ST-925
Order No. 12.5330

Speaker terminal
To be screwed on, with nickel-plated contacts, for screwing as well as for 4 mm banana plugs.



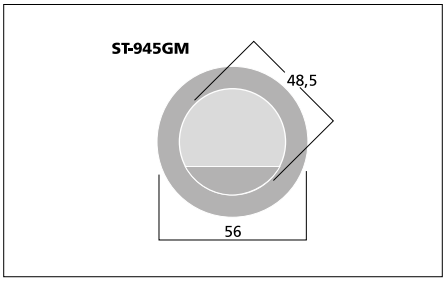


ST-945GM

Order No. 12.1820

Speaker terminal

For pressing in and adhesive bonding, with gold-plated contacts, for screwing (Ø 5 mm) as well as for 4 mm banana plugs.



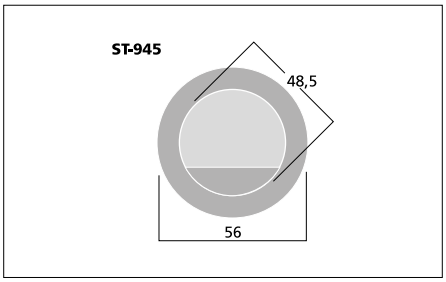


ST-945

Order No. 12.1450

Spring-loaded speaker terminal

For pressing in and adhesive bonding, practical round design.



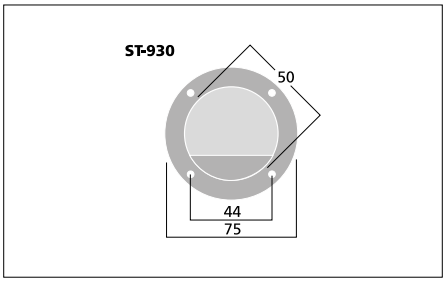


ST-930

Order No. 12.1440

Spring-loaded speaker terminal

Practical round design.



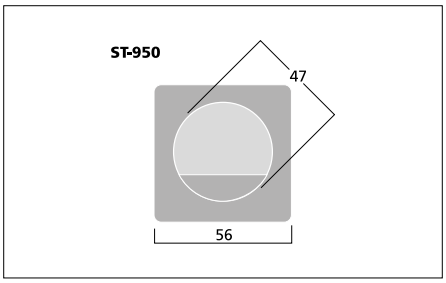


ST-950

Order No. 12.1460

Spring-loaded speaker terminal

For pressing in and adhesive bonding, practical round hole opening, square flange.



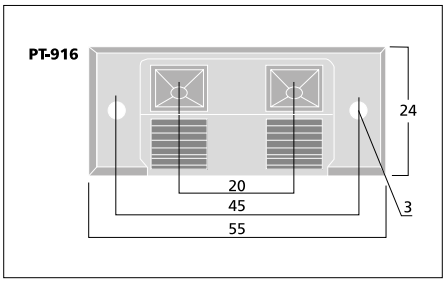


PT-916

Order No. 12.1270

Spring-loaded speaker terminal, 2 poles

Basic unit-specific design for screwing on.



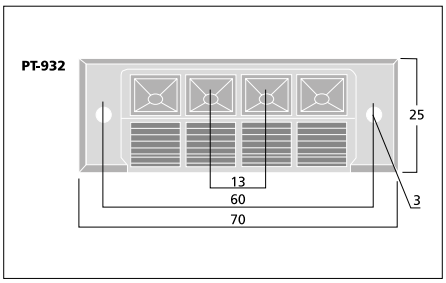


PT-932

Order No. 12.1280

Spring-loaded speaker terminal, 4 poles

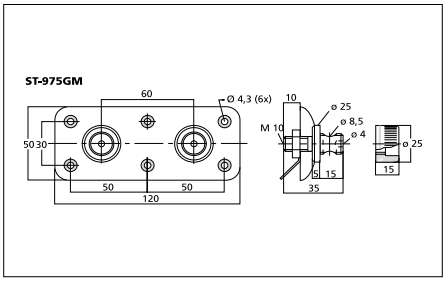
Basic unit-specific design for screwing on.





ST-975GM
Order No. 12.6360

High-end speaker terminal
2 poles to be screwed on, with extra compact gold-plated pole terminals for optimum contact, for screwing as well as for 4 mm banana plugs.

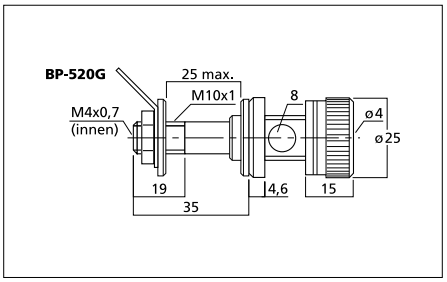


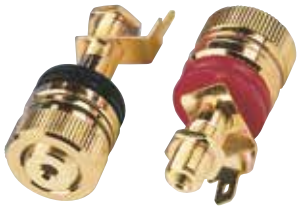


BP-520G
Order No. 34.4330

PAAR PAIR

Pair of high-end speaker pole terminals
- Extra solid gold-plated version
- To be screwed and plugged
- For wooden cabinets up to 25 mm
- For insulated use in metal housings

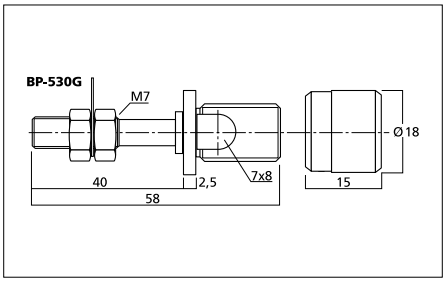




BP-530G
Order No. 34.7090

PAAR PAIR

Pair of high-end speaker pole terminals
- Solid gold-plated version
- To be screwed and plugged
- For wooden cabinets up to 27 mm
- Uninsulated

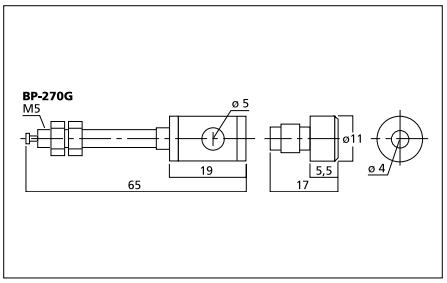




BP-270G
Order No. 34.2560

PAAR PAIR

Pair of speaker pole terminals
- Robust gold-plated version
- To be screwed and plugged
- For wooden cabinets up to 33 mm

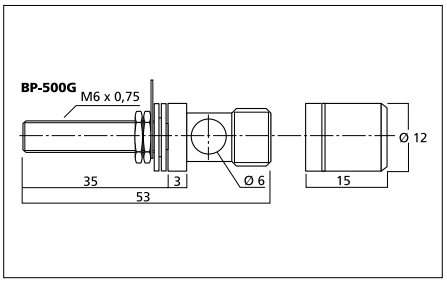




BP-500G
Order No. 34.2430

PAAR PAIR

Pair of speaker pole terminals
- High-quality gold-plated version
- To be screwed and plugged
- For wooden cabinets up to 25 mm
- For insulated use in metal housings

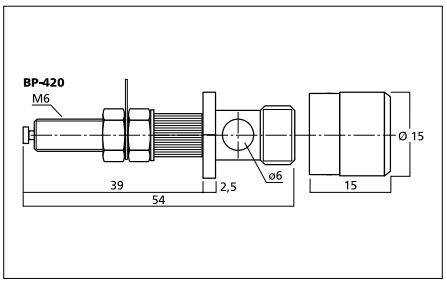




BP-420
Order No. 34.7080

PAAR PAIR

Pair of speaker pole terminals
- Nickel-plated version
- To be screwed and plugged
- For wooden cabinets up to 25 mm
- Uninsulated





ST-926GM
Order No. 12.2330



High-end speaker terminal
- Gold-plated all-metal connectors
- To be screwed on
- Insulated installation
- For screwing as well as for 4 mm banana plugs

ST-922G
Order No. 12.2400



Speaker terminal, for units.
- Gold-plated contacts
- Plastic covers
- For screwing as well as for 4 mm banana plugs

BP-410
Order No. 34.7070 PAAR PAIR



Pair of speaker pole terminals
- Nickel-plated version
- To be screwed and plugged
- For plastic cabinets, uninsulated

BP-405G
Order No. 34.7060 PAAR PAIR



Pair of speaker pole terminals
- Solid gold-plated version
- To be screwed and plugged
- Suitable e.g. for plastic cabinets, uninsulated

BP-260G
Order No. 34.0480 PAAR PAIR



Pair of speaker pole terminals
- Robust gold-plated version
- To be screwed and plugged
- For insulated use in metal cabinets

BP-250G
Order No. 34.2420 PAAR PAIR



Pair of speaker pole terminals
- High-quality gold-plated version
- To be screwed and plugged
- For insulated use in metal cabinets

BP-150G
Order No. 34.3470 PAAR PAIR



Pair of banana plugs for speakers, 4 mm
- Gold-plated high-end version
- Cross hole for accept. cables up to: Ø 7 mm
- Cable pressing screw with mount. hole of Ø 4 mm

BP-150
Order No. 34.7040 PAAR PAIR



Pair of banana plugs for speakers, 4.5 mm
- Nickel-plated body with gold-plated cont.
- Cross hole for accepting cables up to: Ø 6.5 mm
- Cable pressing screw with mount. hole of Ø 4 mm

BP-100G
Order No. 34.3460 PAAR PAIR



Pair of banana plugs for speakers, 4 mm
- Spliced contact
- Complete gold-plated version
- Red or black code ring
- For accepting cables up to: Ø 4 mm
- Also suit. for high-perform. technology

SPC-425/B
Order No. 12.1330 PAAR PAIR



Pair of banana plugs for speakers, 4 mm
- High-quality gold-plated version
- Solderless fitting up to 4 mm^2

BP-104
Order No. 34.7030 PAAR PAIR



Pair of banana plugs for speakers, 4 mm
- Spliced contact
- Complete nickel-plated version
- Red or black code ring
- For accepting cables up to: Ø 4 mm

BP-180GI
Order No. 34.7050 PAAR PAIR



Pair of banana plugs for speakers, 4 mm
- Spliced contact
- Plastic body with gold-plated contacts
- With protection against accidental contact (sliding cover)
- Solderless fitting up to Ø 5 mm

AT-62ST
Order No. 11.0590

L-pad attenuator
- Stereo version
- With push-on knob



AT-62SK
Order No. 11.0580

AT-62H
Order No. 11.0260

L-pad attenuators
- Mono version
- With push-on knob

AT-62H = 10 mm thread
AT-62SK = 19 mm thread



AT-52ST
Order No. 11.0240

L-pad attenuator
- Stereo version
- With push-on knob



AT-52H
Order No. 11.0210

L-pad attenuator
- Mono version
- With push-on knob



LP-200-8
Order No. 12.0620

L-pad attenuator
- Stereo version
- With front panel and knob



LP-100-8
Order No. 12.0610

L-pad attenuator
- Mono version
- With front panel and knob

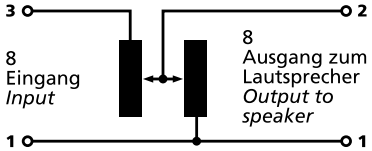


KN-42P/SI
Order No. 12.2840

Mounting tray
- For mounting level controls, e.g. AT-60...
- Silver-coloured imprint
- Turning angle: 300° ±5°



L-Regler-Schaltung für alle L-Regler
L pad connection diag. for all L-pads



Model	AT-62ST	AT-62SK	AT-62H	AT-52ST	AT-52H	LP-200-8	LP-100-8
Impedance	8 Ω ± 20%	8 Ω ± 20%	8 Ω ± 20%	8 Ω ± 20%	8 Ω ± 20%	8 Ω ± 25%	8 Ω ± 25%
Channels	stereo	mono	mono	stereo	mono	stereo	mono
Attenuation	0 dB to ∞ dB	0 dB to ∞ dB	0 dB up to ∞ dB	0 dB to ∞ dB	0 dB to ∞ dB	0 dB to ∞ dB	0 dB to ∞ dB
Attenuation direction	counterclockwise	counterclockwise	counterclockwise	counterclockwise	counterclockwise	counterclockwise	counterclockwise
Turning angle	300° ± 5°	300° ± 5°	300° ± 5°	300° ± 5°	300° ± 5°	300° ± 5°	300° ± 5°
Power rating	2 x 100 W_{MAX}	100 W_{MAX}	100W_{MAX}	2 x 50 W_{MAX}	50 W_{MAX}	15 W_{MAX}	15 W/20 °C

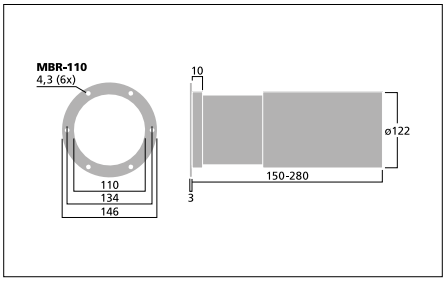
Full specifications can be found on our website www.monacor-international.de.

MBR-110

Order No. 12.2250

Bass-reflex tube, SV=95 cm²

- High-quality PVC material
- Telescopic version
- Large cross section for low air flow noise



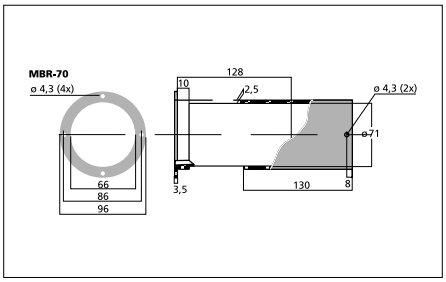


MBR-70

Order No. 12.0930

Bass-reflex tube, SV=34.2 cm²

- High-quality PVC material
- Telescopic version
- Classic size



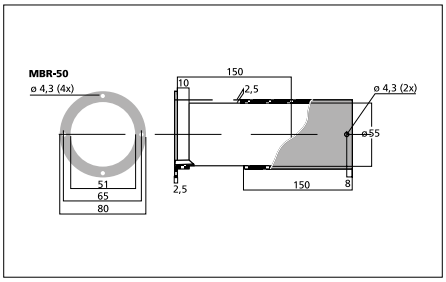


MBR-50

Order No. 12.3330

Bass-reflex tube, SV=20.4 cm²

- High-quality PVC material
- Telescopic version
- Classic size



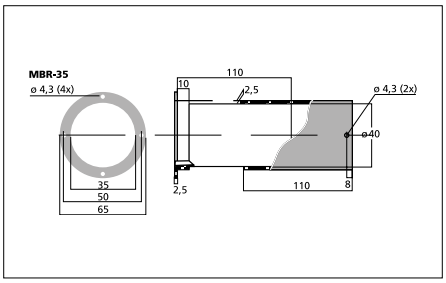


MBR-35

Order No. 12.0390

Bass-reflex tube, SV=9.6 cm²

- High-quality PVC material
- Telescopic version
- For small and miniature speaker systems



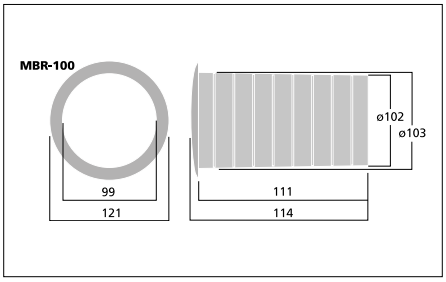


MBR-100

Order No. 12.6660

Bass-reflex tube, SV=77 cm²

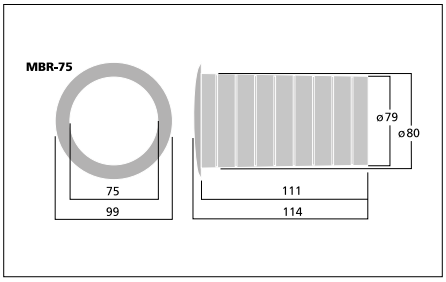
- Black plastic
- For adhesive bonding, with soft edge at the outlet





MBR-75
Order No. 12.6650

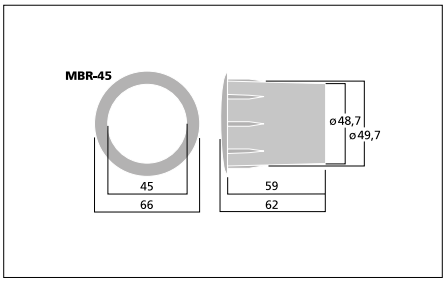
Bass-reflex tube, SV=44.2 cm²
- Black plastic
- For adhesive bonding, with soft edge at the outlet





MBR-45
Order No. 12.6640

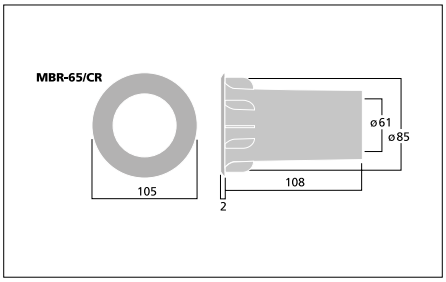
Bass-reflex tube, SV=15.9 cm²
- Black plastic
- For adhesive bonding, with soft edge at the outlet





MBR-65/CR
Order No. 12.9170

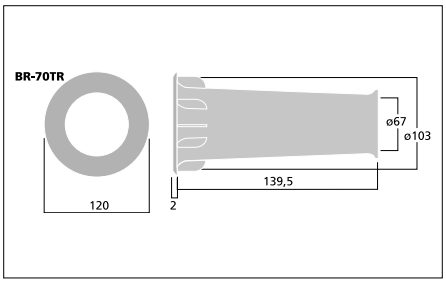
Bass-reflex tube, SV=29.2 cm²
- Chromium-plated bass-reflex tube
- Elegant round edge at the outlet





BR-70TR
Order No. 12.8660

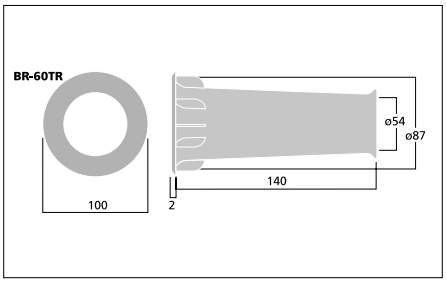
Bass-reflex tube, SV=38.4 cm²
- Trumpet shape
- Optimum air flow conditions with minimum interfering noise development





BR-60TR
Order No. 12.8650

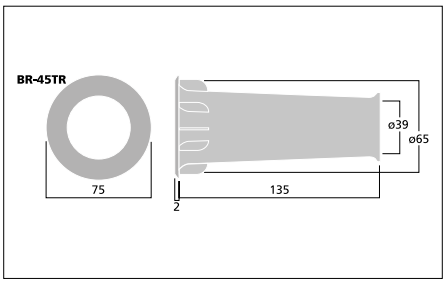
Bass-reflex tube, SV=26.4 cm²
- Trumpet shape
- Optimum air flow conditions with minimum interfering noise development





BR-45TR
Order No. 12.8640

Bass-reflex tube, SV=13.8 cm²
- Trumpet shape
- Optimum air flow conditions with minimum interfering noise development



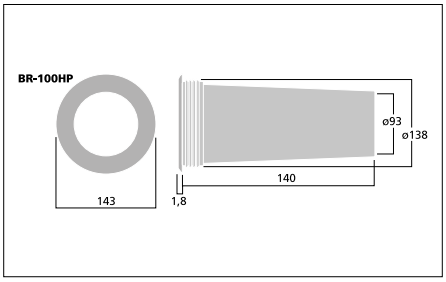


BR-100HP

Order No. 12.8600

Bass-reflex tube, SV= 69.4 cm²

- High-performance version
- Mounting of high mechanical stability (exact cutout is required)



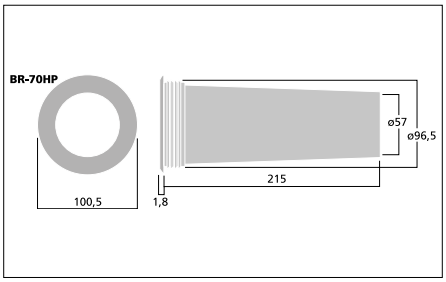


BR-70HP

Order No. 12.8630

Bass-reflex tube, SV=26.4 cm²

- High-performance version
- Mounting of high mechanical stability (exact cutout is required)



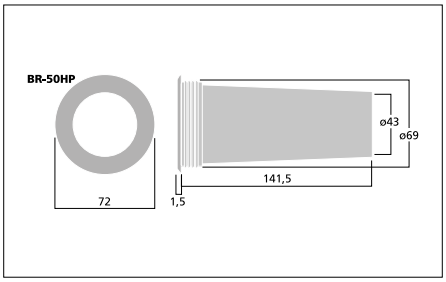


BR-50HP

Order No. 12.8620

Bass-reflex tub, SV=14.6 cm²

- High-performance version
- Mounting of high mechanical stability (exact cutout is required)



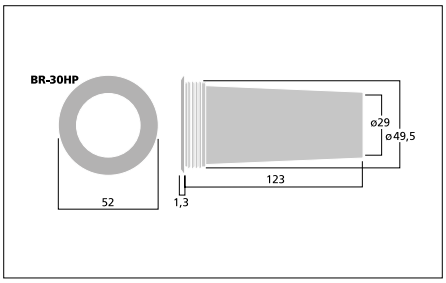


BR-30HP

Order No. 12.8610

Bass-reflex tube, SV=6.6 cm²

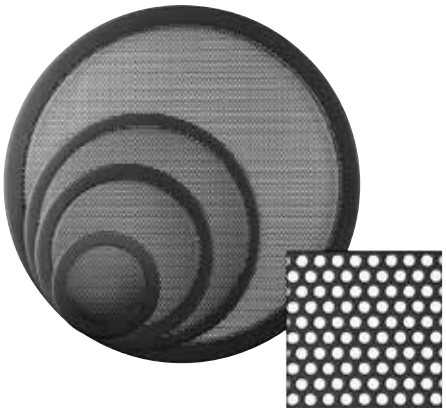
- High-performance version
- Robust tube for miniature speakers (exact cutout is required)





Decorative Speaker Grilles

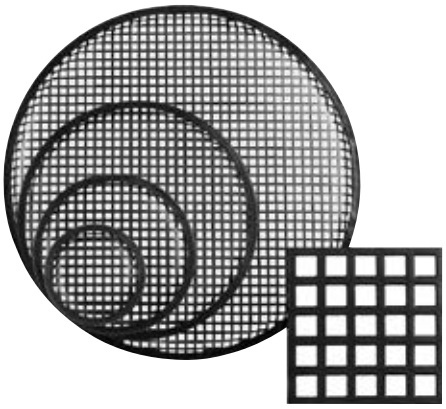
With fine perforation, 2-part version with fixing ring to be screwed for the speaker and push-on grille, various sizes.



Model	Order No.	Outside Ø	Inside Ø	Total height	Height inside
SG-75	12.1950	Ø 99 mm	Ø 73 mm	14 mm	9 mm
SG-100	12.1960	Ø 140 mm	Ø 103 mm	14 mm	8 mm
SG-130	12.1970	Ø 162 mm	Ø 128 mm	14 mm	8 mm
SG-165	12.1980	Ø 174 mm	Ø 140 mm	16 mm	9 mm
SG-200	12.1990	Ø 214 mm	Ø 182 mm	20 mm	11 mm
SG-250	12.2000	Ø 267 mm	Ø 232 mm	25 mm	11 mm
SG-300	12.2010	Ø 322 mm	Ø 276 mm	25 mm	12 mm

Protective Speaker Grilles

Classic shape with square perforation and rubber rim, black lacquered, to be fixed with clamps, of high stability in all sizes.



Model	Order No.	Outside Ø	Inside Ø	Total height
MZF-8628	12.1150	Ø 130 mm	Ø 108 mm	13 mm
MZF-8627	12.4230	Ø 170 mm	Ø 142 mm	14 mm
MZF-8629	12.1160	Ø 206 mm	Ø 180 mm	14 mm
MZF-8630	12.1170	Ø 256 mm	Ø 230 mm	14 mm
MZF-8631	12.1180	Ø 310 mm	Ø 280 mm	15 mm
MZF-8632	12.1190	Ø 384 mm	Ø 354 mm	16 mm
MZF-8633	12.1200	Ø 460 mm	Ø 430 mm	16 mm

CC-10/SW

Order No. 12.9240

Acoustic grille cloth for speakers

Black textile fabric for covering the front of speaker systems and sound boards. Very good sound transparency. Dimensions: 140 x 75 cm, stretchable.



Acoustic Foam Front Sheets for Speakers

PAAR
PAIR

Anthracite-coloured, open-cell foam (10 mm thick) with high sound transparency, in various dimensions. Supplied in pairs.



Model	Order No.	Dimensions
MDM-8602	12.5990	611 x 480 mm
MDM-4002	12.5980	668 x 579 mm
MDM-3522	12.5970	780 x 422 mm
MDM-3002	12.5960	480 x 378 mm

Full specifications can be found on our website www.monacor-international.de.

MDM-4
Order No. 11.2550

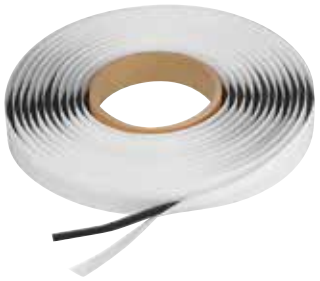
High-end speaker damping
- Damping wool (thermo cotton) made of cotton and polyester fibre for an optimum insulation of speaker cabinets
- Approx. 60% cotton, approx. 40% polyester fibre
- For approx. 20 litres
- 63 x 33 x 3.5 cm, 2 pcs.



- Volume weight: 300 g/m²
- Replacement for MDM-3

MDM-25
Order No. 12.3140

Speaker sealing tape
- Black elastic tape, 3 m
- Very flexible to be formed and used



MDM-2
Order No. 12.0940

Speaker damping
- Special damping material, white, 100% homogeneous polyester fibre, flexible yet of high tensile strength
- DIN 18165 (German standard)
- Tested for harmful substances, UV-resistant, protected against mould infestation and house dust mites
- For approx. 20 litres



- 63 x 33 x 3.5 cm, 2 pcs.
- Volume weight: 300 g/m²

MDM-35
Order No. 11.1050

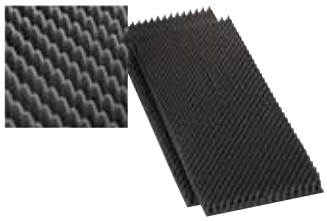
Rubber sealing tape for speakers, black
- Self-adh. seal. tape (2 x 20 mm), 10 m
- Jet-black rubber foam
- Highly flexible, permanently elastic
- Suitable for black speaker systems
- For visible applications in do-it-yourself speaker building concepts, e.g. as an underlay for metal front grilles



MDM-60
Order No. 12.2230

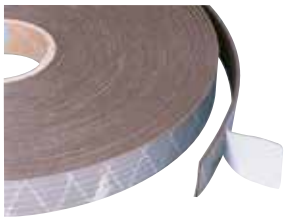
MDM-40
Order No. 12.2220

Speaker wedge moulded foam sheets
- 2 thicknesses: 60 mm or 40 mm
- For damping cabinet walls
- 2 sheets, 100 x 50 cm each, 20 kg/m³
- Material class B3 acc. to DIN 4102



MDM-20
Order No. 12.3010

Speaker foam sealing tape, grey
- Self-adhesive sealing tape (2 x 20 mm), 20 m
- Grey PE foam
- For hidden applications in do-it-yourself speaker building concepts



MDM-30
Order No. 11.0420

Low expansion foam, 6 sheets (1 m²)
- High damping
- Excellent sound absorption, highly efficient, even at low frequencies
- For sound absorption in speaker cabinets and for car hi-fi applications
- 495 x 330 x 10 mm



MDM-5
Order No. 12.2240

Speaker foam sealing tape
- 5 pcs., 150 cm each
- Self-adhesive sealing (2 x 5 mm)
- Ideally suited for speaker mounting



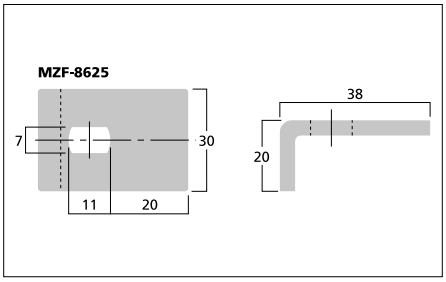
MDM-830
Order No. 11.0430

Bituminous felt, 6 sheets (1 m²), approx. 5 kg/m²
- For reducing the impact sound of surfaces which easily vibrate, e.g. walls of speaker cabinets and car body parts
- 495 x 330 x 2.6 mm



MZF-8625
Order No. 12.1130

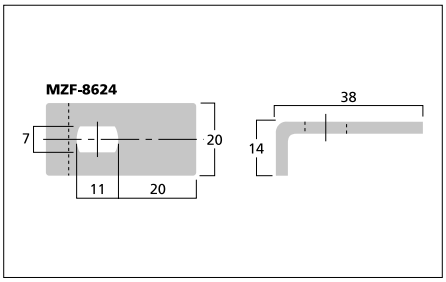
Fixing clamp for speaker grilles
Large version, drill hole size: 7 x 11 mm





MZF-8624
Order No. 12.1120

Fixing clamp for speaker grilles
Drill hole size: 7 x 11 mm

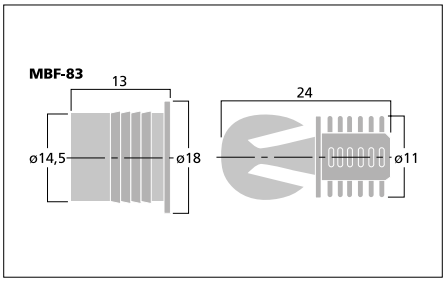




MBF-83
Order No. 12.4240

8x

Frame dowels for speakers, set
For fixing the textile front to cabinets, large version, 8 dowels and 8 jacks.

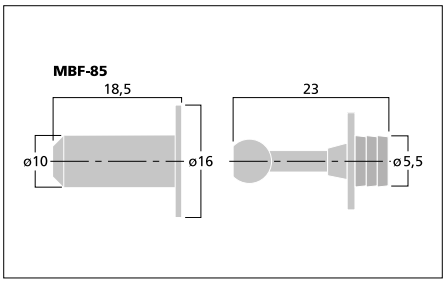




MBF-85
Order No. 12.4250

8x

Frame dowels for speakers, set
For fixing the textile front to cabinets, small version, 8 dowels and 8 jacks.





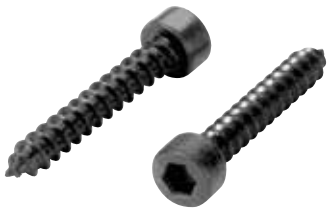
MZF-8615
Order No. 12.6440
16 x

Hexagon socket wood screws
5 x 30 mm, black, self-cutting, for stable and elegant speaker mounting.



MZF-8616
Order No. 12.0920
16 x

Hexagon socket wood screws
4 x 25 mm, black, self-cutting, for stable and elegant speaker building.



MZF-8614
Order No. 12.6430
16 x

Hexagon socket wood screws
4 x 16 mm, black, self-cutting, for stable and elegant speaker mounting.



MZF-8688
Order No. 12.1650
8 x

Speaker mounting set
M8 x 40 mm screws with hexagon head (8 pcs.) and 8 matching drive-in nuts.



MZF-8605
Order No. 12.1100
8 x

MZF-8604
Order No. 12.1090
8 x

Speaker mounting sets
MZF-8605: M5 x 40 mm
MZF-8604: M4 x 40 mm
Recessed head screws (8 pcs.) and 8 matching drive-in nuts.



MZF-4012
Order No. 12.8720
100 x

Recessed head wood screws,
(bag of 100).
3.5 x 12 mm with flat half-round head, black, self-cutting.
Supplied in bags of 100s: 1 x screw set
MZF-....= 100 screws



MZF-4018
Order No. 12.8730
100 x

Recessed head wood screws,
(bag of 100).
4 x 18 mm with flat half-round head, black, self-cutting.
Supplied in bags of 100s: 1 x screw set
MZF-....= 100 screws



MZF-4019
Order No. 12.8740
100 x

Recessed head wood screws,
(bag of 100).
4 x 19 mm with lens head, black, self-cutting, for general applications.
Supplied in bags of 100s: 1 x screw set
MZF-....= 100 screws



MZF-4025
Order No. 12.8760
100 x

Recessed head wood screws,
(bag of 100).
4 x 25 mm with flat half-round head, black, self-cutting.
Supplied in bags of 100s: 1 x screw set
MZF-....= 100 screws



MZF-4032
Order No. 12.8750
100 x

Recessed head wood screws,
(bag of 100).
4 x 32 mm with flat half-round head, black, self-cutting.
Supplied in bags of 100s: 1 x screw set
MZF-....= 100 screws



MZF-8608
Order No. 12.1530

MZF-8606
Order No. 12.1110

MZF-8626
Order No. 12.1140

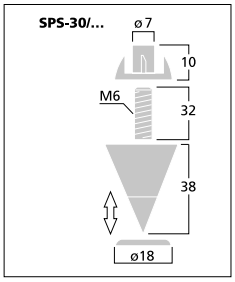
Drive-in Nuts
MZF-8608: M8
MZF-8606: M6
MZF-8626: M5



SPS-30/SC
Order No. 12.2210

4x

Set of speaker spikes (4pcs.)
- Solid version
- Adjustable in height
- With support disks and drive-in nuts

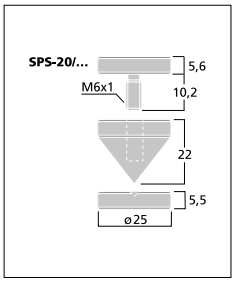




SPS-20/SC
Order No. 12.7320

4x

Set of speaker spikes (4 pcs.)
- Solid version
- Adjustable in height
- With support disks and self-adhesive plates





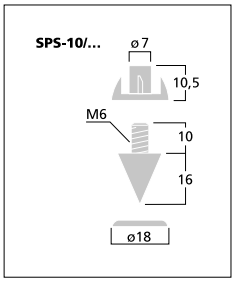
SPS-10/GO
Order No. 12.7290

4x

SPS-10/SC
Order No. 12.7300

4x

Set of speaker spikes (4 pcs.)
- Slim version
- Adjustable in height
- With support disks and drive-in nuts





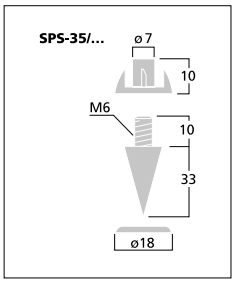
SPS-35/GO
Order No. 12.9130

4x

SPS-35/SC
Order No. 12.9140

4x

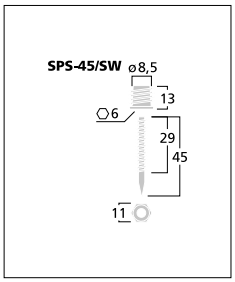
Set of speaker spikes (4 pcs.)
- Extra slim version
- Adjustable in height
- With support disks and drive-in nuts





SPS-45/SW
Order No. 12.9150

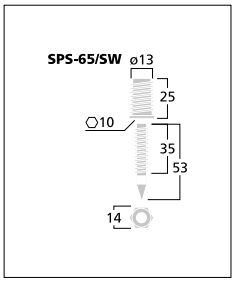
Set of speaker spikes (4 pcs.)
- Threaded inserts for screwing in
- Adjustable in height
- With counternut
- Required core drilling for threaded insert: Ø 8 mm
- Black burnished





SPS-65/SW
Order No. 12.9160

Set of speaker spikes (4 pcs.)
- Solid spikes for very heavy speaker cabinets
- Spikes with threaded inserts for screwing in
- Adjustable in height
- With counternut
- Required core drilling for threaded insert: Ø 13 mm
- A 10 mm hexagon key is required for mounting
- Black burnished





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- Damage resulting from unauthorised servicing of the products thus causing changes as well as improper handling resulting in consequential damage are excluded from the warranty. We will not be liable for changes of the state of the products resulting from improper storage, other interventions or improper use.
- Lithium batteries have to meet special regulations for transportation and storage. Before dispatching such products, please pay attention to the safety notes in the section downloads on our website.
- If the units are interfered with, the CE approval will no longer apply. All products are always suitable for indoor use only, unless stated otherwise. The products are not suitable for installations into aircrafts or surface mounting onto aircrafts.
- The products do not correspond to the medical products directive 2007/47/EC.
- If the products are to be put out of operation definitively, they must be taken to a local recycling plant for disposal which is not harmful to the environment.

Technical Information

- Before first use of the products, please read the instruction manual carefully!
- The products correspond to the directive for electromagnetic compatibility 2014/30/EU, the directive 2011/65/EU (RoHS) and where applicable to the low voltage directive 2014/35/EU with the directive 2009/125/EC (ErP).
- When operating with voltages of over 42 V, please always observe the respective safety measures.
- Before opening any products operated with 230 V mains voltage, disconnect the products from the mains.
- Make sure that the supply voltage is disconnected before working on components and modules. Existing capacitors must be discharged.
- Mains cables and test cables have to be examined for damage regularly. Never pull on the cable to disconnect the plug from the socket.
- Mains cables and fuses must only be replaced by skilled personnel.
- Unless otherwise stated:
  – protect the products from moisture and heat,
  – always observe the admissible ambient temperature of 0-40 °C.
- Do not use a very high volume level when using headphones. Permanent high volume may damage your hearing! Do not wear headphones while particular attention must be paid to your surroundings, e.g. in traffic.
- A soldering process which is too long and too hot may cause damage to the corresponding products. Choose a soldering temperature that is suitable for the material used. No liability can be assumed for damage to the product or consequential damage caused by improper handling.
- The plugs, jacks, switches, rotary switches and potentiometers shown in this catalogue are only suitable for connection to safety extra low voltage (SELV) or signal voltage unless the item is designed for a higher voltage (see text or table).
- If the fixing nuts of panel jacks or panel plugs are overtightened, this may cause damage to the whole component. In case of improper handling, no liability can be assumed for this or consequential damage.
- The heat must be eliminated by air circulation. Therefore, do not cover ventilation slots with anything. Do not put or drop anything through the ventilation slots. Otherwise, there will be danger of an electric shock.
- Only use a dry, soft cloth for cleaning the products. Chemicals must not be used in any case.
- LED lights and LED lamps contain various components which may generate noise in unfavourable conditions. There may be audible resonances caused by installation, design of the lamp and the base as well as dimmer or transformer.

Notes on Devices with Network/Internet Access

Please note that each device connected to a network with Internet access is part of a worldwide network. In order to protect your privacy and to prevent unauthorised people accessing your network and the devices connected, please protect your login details with an individual password prior to initial installation. Please take this into consideration when assigning future passwords in connection with devices, software and apps available in the network, e.g. when setting up user accounts. Passwords should never be disclosed to third parties! Furthermore, please note that any device which has been connected to the network should be reset before being sold or disposed of. This is the only way to ensure that all your personal data is erased permanently.

Information on the German Product Liability Act

According to the law dated 15 December 1989 governing product liability which was last amended by the law dated 19 July 2002, manufacturers, importers and retailers are obliged to compensate for damage caused by a faulty product under certain prerequisites.
A product can already be considered faulty if its presentation leaves a private, non-commercial end user with a wrong impression as to its safety in use or if it is to be expected that the private end user will not observe the required safety regulations when using the product or will apply an excessive operating voltage to it, except if this user has been informed as to the necessity to observe the safety regulations and specified voltages, etc.
In your own interest and for your customers' safety, therefore please draw your non-commercial customers' attention to the following:
The products listed in this catalogue may only be used for the stated purpose. If there are any doubts as to the purpose of the goods, questions must be clarified with an authorised expert or with the service department of MONACOR INTERNATIONAL.
The following EN standards and VDE (Verband Deutscher Elektrotechniker = Association of German Electrical Engineers) regulations must be observed:

Electromagnetic Compatibility:
EN300422, EN301489, EN55013,EN55103-1, EN55103-2, EN61000-3-2, EN61000-3-3, EN61000-6-1, EN61000-6-3

Low Voltage Directive:
DINVDE0100, DINVDE0532, EN60065, EN60335, EN60598, EN60950, EN61010, EN62471

Motor Vehicles Directive:
Directive 2004/104/EC

In Germany, the above-mentioned regulations can be obtained from:

VDE-Verlag GmbH	VDE-Verlag GmbH	VDE-Verlag GmbH
Bismarckstraße 33	Postfach 120143	Goethering 58
10625 Berlin	10591 Berlin	63067 Offenbach
Germany	Germany	Germany
Phone: +49 30 348001-0		Phone: +49 69 840006-0
Fax: +49 30 348001-9088		Fax: +49 69 840006-1399

Notes Regarding the Approval of Wireless Systems

The wireless microphone systems in the frequency ranges 863 MHz to 865 MHz and 2,400 MHz to 2,483.5 MHz are generally approved and licence-free.
These systems are licence-free in the EU.

Every wireless system has been examined by a notified body and has been approved in the EU according to the R+TTE/RED directive. However, a frequency assignment for the systems in the frequency range 506 MHz to 542 MHz, 518 MHz to 542 MHz, 672 MHz to 697 MHz and 740 MHz to 776 MHz for the corresponding area in which the unit is to be used must be applied for at the respective national authority.
These systems require a licence in the EU.

In Germany, the frequency assignment has to be applied for at the corresponding branch of the Federal Network Agency (BnetzA, Germany).
The declaration of conformity can be found on our website: www.imgstageline.de. The forms for the frequency assignment can be found on the website of the Federal Network Agency www.bundesnetzagentur.de. For countries outside of Europe, please consult the authorities of the corresponding country.

Please observe the notes in the operating instructions.

MONACOR INTERNATIONAL GmbH & Co. KG;
August 2017

MONACOR INTERNATIONAL – Your reliable partner – worldwide.

COMPONENTS 2018

CATALOGUE 172



Your retailer

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