

ortofon

accuracy in sound

Moving Magnet cartridges



Thank you for choosing the Ortofon Moving Magnet cartridge. At Ortofon we constantly look for new technology to be used in our products, thus we assure the highest level of performance and quality. It is our aim to bring you many hours of new and surprising experience in listening to your precious collection.

Warning

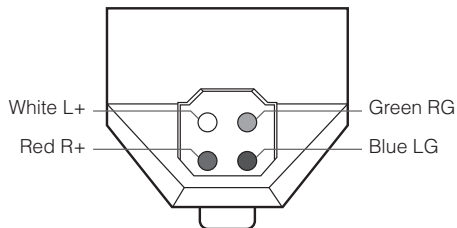
This phono cartridge is only for mounting on tonearms and must not be used for other purposes.

Please note

To avoid damages on the stylus please keep the stylus guard on the cartridge any time when mounting or dismantling the unit.

Mounting the cartridge

1. Remove stylus unit with stylus guard before working with leads and screws. Handle all parts carefully.
2. Please correlate the colour code for the terminals on the drawing with the colour codings on the cartridge.



3. Fasten the cartridge to the headshell using a pair of screws enclosed the packing. Do not tighten the screws completely before the stylus unit has been remounted.
4. Adjust tonearm parallel to record surface, set tracking force and antiskating acc. to the cartridge's recommended technical data.

For more information please refer to Ortofon HiFi FAQ: www.ortofon.com/support/support-hifi/faq-installation.

Stylus care

To maintain optimal sound reproduction and to minimize wear on your record as well as on your stylus, we recommend the following procedure before and after each playback: remove dust carefully from record surfaces by using a fine antistatic brush or cloth before every use. Ortofon do not recommend the use of solvents of any kind for cleaning of either record surface or stylus. If necessary, records may be washed in lukewarm demineralized water with a dash of sulphonic soap. The detergents should be allergy- & environmental friendly, without perfume or as little as possible: a few drops to a few liters of waters, no lather.

The use of solvents on the stylus and cantilever may damage stylus cement; interior parts of the cartridge can be affected seriously by the intrusion of solvents. The Ortofon warranty service will not be valid in cases where such treatment has caused malfunction of your cartridge.

For cleaning the stylus, use fiber brush a few times along the cantilever in the direction of the stylus tip, whenever you play a new record or change sides. Use the brush in the forward direction from the rear of the cartridge towards the stylus tip and never from stylus tip to the rear of the cartridge and never from side to side. This will take all normal dust and most of the slick release agent from new records. Following this treatment there will normally be no need for further stylus cleaning.

Please remember to remove dust from the diamond tip before and after playback of each record.

Technical Data

OM 5S

OM 5E

Super OM 5

Output voltage at 1,000 Hz, 5 cm/sec	4.5 mV	4 mV	4 mV
Channel balance at 1 kHz	2 dB	2 dB	2 dB
Channel separation at 1 kHz	20 dB	22 dB	22 dB
Channel separation at 15 kHz	12 dB	15 dB	15 dB
Frequency response	20-20,000 Hz +/-3 dB	20-20,000 Hz +/-3 dB	20-22,000 Hz +/-3 dB
Tracking ability at 315 Hz at recommended tracking force*)	60 µm	60 µm	60 µm
Compliance, dynamic, lateral	20 µm/mN	20 µm/mN	20 µm/mN
Stylus type	Spherical	Elliptical	Elliptical
Stylus tip radius	R 18 µm	r/R 8/18 µm	r/R 8/18 µm
Tracking force range	1.5-2.0 g (15-20 mN)	1.5-2.0 g (15-20 mN)	1.5-2.0 g (15-20 mN)
Tracking force, recommended	1.75 g (17.5 mN)	1.75 g (17.5 mN)	1.75 g (17.5 mN)
Tracking angle	20°	20°	20°
Internal impedance, DC resistance	750 Ohm	750 Ohm	1 kOhm
Internal inductance	450 mH	450 mH	580mH
Recommended load resistance	47 kOhm	47 kOhm	47 kOhm
Recommended load capacitance	200-500 pF	200-500 pF	200-500 pF
Cartridge color (body/stylus)	Black/Black	Black/Black	Black/Black
Cartridge weight incl. extra weight	5 g	5 g	5 g
Cartridge weight excl. extra weight	2.5 g	2.5 g	2.5 g
Replacement stylus unit	Stylus S	Stylus 5E	Stylus 5E

*) Typical value



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