

# NEW RELEASE

**ortofon**  
accuracy in sound



## Ortofon New OM 5 Series Cartridges

For more than 50 years, Ortofon has been designing and manufacturing Moving Magnet cartridges. Along with our well-regarded Moving Coil cartridges, Moving Magnet models have established a good reputation among music lovers and Hi-Fi enthusiasts the world over.

The new OM 5 series encompasses three basic cartridges: OM 5S, OM 5E & Super OM 5. The Ortofon OM 5 series is the lowest-mass range of moving magnet cartridges offered by Ortofon. The cartridge body has been designed to provide easy mounting and alignment on both top mount and bottom mount headshells.



Ingeniously tucked into the top of the mounting bracket is a tiny, removable weight-plate. If your tonearm is a standard tonearm, just leave the weight-plate. If your tonearm is one of the low mass types, then simply remove the weight – the mass of your OM cartridge is now a mere 2.5g.

The series provides excellent compatibility when used in an assortment of playback systems and with a wide variety of phono preamps. By adopting a wide range of replacement styli, the OM 5 Series can provide an optimum match for your home system, application and budget.

### Advancements in sound

The OM 5 Series body is manufactured from Noryl (plastic & glass compound), a lightweight material, which ensures high rigidity and freedom from resonances.

By means of computer simulations it has been possible to define the natural pivot point of the system with unprecedented accuracy while achieving an optimum oscillation balance. The result: improved linearity, higher channel separation and reduced distortion.

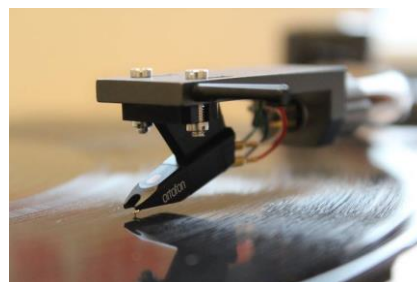
The Super OM 5 also features an improved engine with Ortofon's trademark split pole pins, an invention, which enables Moving Magnet cartridges to have a flat frequency response as with a Moving Coil cartridge.



## Styli types and interchangeability

The OM 5s features a Spherical diamond. Spherical diamonds are the simplest and most robust diamonds. The OM 5E and Super OM 5 feature an Elliptical diamond. Elliptical diamonds are able to follow the groove oscillations more accurately than spherical diamonds due to their contoured shape. This results in better tracking and less distortion.

In the development of OM cartridges, a major objective was to provide the music lover with the opportunity to optimize sound reproduction without having to replace the entire cartridge.



Instead of being merely intended for replacement purposes following wear or damage, the OM 5 Series allows you to step up to better sound by simply upgrading the stylus. Depending on your preference, styli for the OM 5 Series are easily interchanged and include: Stylus 3E, 5E, 10, 20, 30, 40 & 78 and D 25 M.

Technical data	OM 5S	OM 5E	Super OM 5
Output voltage at 1 kHz, 5cm/sec.	4,5 mV	4 mV	4 mV
Channel Balance at 1 kHz	2 dB	2 dB	1.5 dB
Channel Separation at 1 kHz	20 dB	22 dB	22 dB
Channel Separation at 15 kHz	12 dB	15 dB	15 dB
Frequency range at - 3dB	20-20,000 Hz	20-25,000 Hz	20-25,000 Hz
Frequency response	20-22,000 Hz	20-20,000 Hz ±2 dB	20-20,000 Hz ±2 dB
Tracking ability at 315Hz at recommended tracking force	60 µm	65 µm	65 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	580 mH
Recommended load resistance	47 kOhm	47 kOhm	47 kOhm
Recommended load capacitance	200-500 pF	200-500 pF	200-500 pF
Cartridge colour, 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 5S	Stylus 5E	Stylus 5E
Interchangeable with	Stylus 5E	Stylus 10	Stylus 10