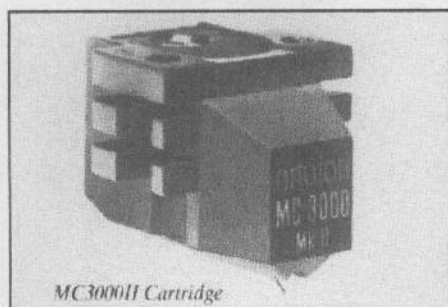


# ortofon '000 SERIES

MC2000II, MC3000II, MC5000, MC7500



MC3000II Cartridge

Through almost five decades, Ortofon has been committed to the perfection of sound reproduction from analogue records. The reputation of this pioneering company is second to none, with many associated product manufacturers consulting ortofon's engineers concerning turntable and arm design.

Our extensive research and creative application of technology has resulted in many award winning models, the latest being the MC 7500 - The new reference point among audiophiles and reviewers world wide. Music lovers choose our products for one simple reason, greater listening pleasure. Audiophiles praise the portrayal of space, precise image location, neutrality of sound and purity of detail.

## WHY AN ORTOFON MOVING COIL?

Many have asked the question: Why is the sound of a moving coil cartridge so superior to that of a traditional magnetic design? The answer in one word, is linearity. The patented Ortofon low-output, low-impedance design is inherently linear over the entire audible range. This coupled with unequalled tracking ability and unique diamond profiles combines to deliver a sound previously deemed unattainable. Exact polishing of the diamond profile is vitally important in order that every minute musical detail can be extracted without damage to records (the profile of the replicant diamonds are as near to the original cutting shape as possible without re-cutting your precious vinyl). Naturally the reject rate in this process is extremely high, but only the very best diamonds are fitted to the Ortofon '000 series. Every cartridge is tested at least 15 times during manufacture. The result is a musical instrument to be proud of.



The Ortofon Replicant Diamond

## Technical Data

	MC 2000II	MC3000II	MC5000	MC7500
Weight	9.5g	9.5g	9.5g	11.0g
Body material	White sapphire	Black sapphire	Black sapphire	Pure titanium
Cantilever type	Aluminium	Aluminium	Sapphire	Aluminium
Stylus	Fritz Gyger 90	Ortofon replicant	Ortofon replicant 100	Ortoline
Stylus tip radius	5x90µm	5x100µm	5x100µm	4.5x100µm
Equivalent stylus tip mass	0.25mg	0.25mg	0.25mg	0.25mg
Frequency range	20-40,000Hz	20-40,000Hz	5-80,000Hz	20-65,000Hz
Output voltage (1kHz, 5cm/s)	>125µv	>125µv	>140µv	>130µv
Channel separation (1kHz)	>25db	>25db	>25db	>25db
Channel balance (1kHz)	<0.7db	<0.5db	<0.5db	<1db
Compliance, dynamic (lateral/vertical)	13/13µm/mN	13/13µm/mN	12/12µm/mN	12/12µm/mN
Tracking angle (vertical)	20°	20°	20°	20°
Tracking force range	2.0-2.5g	2.0-2.5g	2.2-2.7g	2.2-2.7g
Tracking force (optimum)	2.2g	2.2g	2.5g	2.5g
Tracking ability (315Hz, lateral)	>80µm	>90µm	>90µm	>80µm
Internal resistance	5 ohms	5 ohms	6 ohms	6 ohms
Recommended load impedance	>20 ohms	>20 ohms	>20 ohms	>70 ohms
Internal/lead wiring	6 nines copper	6 nines copper	7 nines copper	8 nines copper



MC 2000II

Front cover: MC5000 (top) MC 7500 (lower)

ortofon - COMMITTED TO MUSIC