Moving Coil Cartridges

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TECHNICAL DATA	MC 5000	MC JUBILEE	MC ROHMANN
Output voltage at 1000 Hz, 5cm/sec.	140 µV	340 µV	250 µV
Channel balance at 1 kHz	< 0,5 dB	< 1 dB	< 1,5 dB
Channel separation at 1 kHz	> 25 dB	> 27 dB	> 25 dB
Channel separation at 15 kHz	> 15 dB	> 20 dB	> 15 dB
Frequency range at - 3dB	5-80.000 Hz	20-60.000 Hz	20-55.000 Hz
Frequency response	20-20.000 Hz + 2,5 / - 0 dB	20-20.000 Hz + 1,5 / - 0 dB	20-20.000 Hz ± 2 dB
FIM distortion at recommended tracking force, DIN 45.542	< 1%	< 1%	< 1%
Tracking ability at 315Hz at recommended tracking force	> 90 µm	100 µm	80 µm
Compliance, dynamic, lateral	12 µm/mN	16 µm/mN	12 µm/mN
Stylus type	Nude Ortofon Replicant 100	Nude Shibata	Nude "Orto Line"
Stylus tip radius	r/R 5/100 µm	r/R 6/50 µm	r/R 4,5/100 µm
Equivalent stylus tip mass	0,25 mg	0,22 mg	0,25 mg
Tracking force range	2,2-2,7 g (22-27 mN)	2,0-2,5 g (20-25 mN)	2,2-2,7 g (22-27 mN)
Tracking force, recommended	2,5 g (25 mN)	2,3 g (23 mN)	2,5 g (25 mN)
Tracking angle	20°	20°	20°
Internal impedance, DC resistance	6 Ohm	5 Ohm	6 Ohm
Recommended load impedance	> 20 Ohm	> 10 Ohm	> 10 Ohm
Cartridge body material	Ceramic Sapphire	Stainless steel/aluminium	Aluminium, milled from solid block
Cartridge colour	Black	Purple/Black	Royal blue
Cartridge weight	9,5 g	10,5 gram	9 g

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TECHNICAL DATA	MC KONTRAPUNKT c	MC KONTRAPUNKT b	MC KONTRAPUNKT h	MC KONTRAPUNKT a
Output voltage at 1000 Hz, 5cm/sec.	470 µV	470 µV	470 µV	450 µV
Channel balance at 1 kHz	< 1dB	< 1,5 dB	< 1,5 dB	< 1,5 dB
Channel separation at 1 kHz	> 25 dB	> 25 dB	> 25 dB	> 25 dB
Channel separation at 15 kHz	> 23 dB	> 18 db	> 17 dB	> 15 dB
Frequency range at - 3dB	20-50.000 Hz	20-50.000 Hz	20-45.000 Hz	20-40.000 Hz
Frequency response	20-20.000 Hz + 2 / - 1 dB	20-20.000 Hz + 2,5 / - 1 dB	20-20.000 Hz ± 1,5 dB	20-20.000 Hz ± 1,5 dB
FIM distortion at recommended tracking force, DIN 45.542	< 1%	< 1%	< 1%	< 1%
Tracking ability at 315Hz at recommended tracking force	80 µm	80 µm	80 µm	80 µm
Compliance, dynamic, lateral	12 µm/mN	12 µm/mN	12 µm/mN	12 µm/mN
Stylus type	Nude FG 80 on tapered Al.cantilever	Nude FG 80 / Ruby cantilever	Nude FineLine on Al.cantilever	Nude Fine Line / Al.cantilever
Stylus tip radius	r/R 5/80 µm	r/R 5/80 µm	r/R 8/40 µm	r/R 8/40 µm
Equivalent stylus tip mass	0,27 mg	0,27 mg	0,3 mg	0,30 mg
Tracking force range	2,2-2,7 g (22-27 mN)	2,2-2,7 g (22-27 mN)	2,2-2,7 g (22-27 mN)	2,2-2,7 g (22-27 mN)
Tracking force, recommended	2,5 g (25 mN)	2,5 g (25mN)	2,5 g (25 mN)	2,5 g (25 mN)
Tracking angle	20°	20°	20°	20°
Internal impedance, DC resistance	5 Ohm	5 Ohm	5 Ohm	5 Ohm
Recommended load impedance	20-200 Ohm	50-200 Ohm	50-200 Ohm	50-500 Ohm
Cartridge body material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Cartridge colour	Green	Blue	Violet	Black
Cartridge weight	10 g	10 g	10 g	10 g

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TECHNICAL DATA	MC RONDO Bronze	MC RONDO Blue	MC RONDO Red
Output voltage at 1000 Hz, 5cm/sec.	500 µV	500 µV	500 µV
Channel balance at 1 kHz	1 dB	1,5 dB	2 dB
Channel separation at 1 kHz	25 dB	25 dB	22 dB
Channel separation at 15 kHz	18 dB	18 dB	15 dB
Frequency range at - 3dB	20-40.000 Hz	20-35.000 Hz	20-30.000 Hz
Frequency response	20-20.000 Hz ±1,5 dB	20-20.000 Hz ±1,5 dB	20-20.000 Hz ±2 dB
FIM distortion at recommended tracking force, DIN 45.542	< 1%	< 1%	< 1%
Tracking ability at 315Hz at recommended tracking force	90 µm	85 µm	80 µm
Compliance, dynamic, lateral	15 µm/mN	15 µm/mN	15 µm/mN
Stylus type	Nude FG80, tapered Al. cantilever	Nude FG70, Al. cantilever	Nude elliptical Al. cantilever
Stylus tip radius	r/R 5/80 µm	r/R 5/70 µm	r/R 8/18 µm
Equivalent stylus tip mass	0,30 mg	0,30 mg	0,30 mg
Tracking force range	2-2,5 g (20-25 mN)	2-2,5 g (20-25 mN)	2-2,5 g (20-25 mN)
Tracking force, recommended	2,3 g (23 mN)	2,3 g (23 mN)	2,3 g (23 mN)
Tracking angle	20°	20°	20°
Internal impedance, DC resistance	6 Ohm	6 Ohm	6 Ohm
Recommended load impedance	10-200 Ohm	10-200 Ohm	10-200 Ohm
Cartridge body material	Grinded wood/Resin comp.	Grinded wood/Resin com.	Grinded wood/Resin comp.
Cartridge colour	Bronze	Blue	Red
Cartridge weight	10,5 g	10,5 g	10,5 g

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TECHNICAL DATA	MC 25 FL	MC 25 E	MC Salsa	MC Samba
Output voltage at 1000 Hz, 5cm/sec.	500 µV	500 µV	380 µV	300 µV
Channel balance at 1 kHz	< 1 dB	< 2 dB	< 1 dB	< 1,5 dB
Channel separation at 1 kHz	> 25 dB	> 22 dB	> 25 dB	> 25 dB
Channel separation at 15 kHz	> 15 dB	> 15 dB	> 15 dB	> 15 dB
Frequency range at - 3dB	20-30.000 Hz	20-25.000 Hz	20-35.000 Hz	20-30.000 Hz
Frequency response	20-20.000 Hz + 3 / - 1 dB	20-20.000 Hz + 3 / - 1 dB	20-20.000 Hz + 4 / - 2 dB	20-20.000 Hz + 4 / - 1 dB
FIM distortion at recommended tracking force, DIN 45.542	< 1%	< 1%	< 1%	< 1%
Tracking ability at 315Hz at recommended tracking force	> 80 µm	> 70 µm	> 80 µm	> 70 µm
Compliance, dynamic, lateral	16 µm/mN	16 µm/mN	15 µm/mN	14 µm/mN
Stylus type	Nude Fine Line	Nude elliptical	Super Fine Line	Nude elliptical
Stylus tip radius	r/R 8/40 µm	r/R 8/18 µm	r/R 5/40 µm	r/R 8/18 µm
Equivalent stylus tip mass	0,35 mg	0,35 mg	0,40 mg	0,50 mg
Tracking force range	1,8-2,2 g (18-22 mN)	1,8-2,2 g (18-22 mN)	2,0-2,4 g (20-24 mN)	1,3-1,8 g (13-18 mN)
Tracking force, recommended	2,0 g (20 mN)	2,0 g (20 mN)	2,2 g (22 mN)	1,5 g (15 mN)
Tracking angle	20°	20°	20°	20°
Internal impedance, DC resistance	6 Ohm	6 Ohm	7 Ohm	6 Ohm
Recommended load impedance	> 20 Ohm	> 20 Ohm	> 20 Ohm	> 10 Ohm
Cartridge body material	Aluminium	Aluminium	Noryl	Noryl
Cartridge colour	Black	Black	Orange transparent	Yellow transparent
Cartridge weight	10,5 g	10,5 g	7 g	7 g

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TECHNICAL DATA	MC 3 TURBO	MC 1 TURBO	X5-MC	X1-MCP
Output voltage at 1000 Hz, 5cm/sec.	3,3 mV	3,3 mV	2 mV	2 mV
Channel balance at 1 kHz	< 1,5 dB	< 2 dB	< 2 dB	< 2 dB
Channel separation at 1 kHz	> 24 dB	> 22 dB	> 25 dB	> 22 dB
Channel separation at 15 kHz	>15 dB	> 15 dB	> 15 dB	> 15 dB
Frequency range at - 3dB	20-30.000 Hz	20-25.000 Hz	20-45.000 Hz	20-25.000 Hz
Frequency response	20-20.000 Hz + 4 / - 1 dB	20-20.000 Hz + 4 / - 1 dB	20-20.000 Hz + 3 / - 1,5 dB	20-20.000 Hz + 4 / - 1,5 dB
FIM distortion at recommended tracking force, DIN 45.542	< 1%	< 1%	< 1%	< 1%
Tracking ability at 315Hz at recommended tracking force	> 70 µm	> 65 µm	> 60 µm	> 60 µm
Compliance, dynamic, lateral	13 µm/mN	13 µm/mN	13 µm/mN	13 µm/mN
Stylus type	Nude Fine Line	Elliptical	Nude FG 70	Elliptical
Stylus tip radius	r/R 8/40 µm	r/R 8/18 µm	r/R 5/70 µm	r/R 8/18 µm
Equivalent stylus tip mass	0,75 mg	0,75 mg	0,75 mg	0,75 mg
Tracking force range	1,8-2,2 g (18-22 mN)	1,8-2,2 g (18-22 mN)	1,8-2,2 g (18-22 mN)	1,25-1,50 g (12,5-15,0 mN)
Tracking force, recommended	2 g (20 mN)	2 g (20 mN)	2 g (20 mN)	1,25 g (12,5 mN)
Tracking angle	20°	20°	20°	20°
Internal impedance, DC resistance	100 Ohm	100 Ohm	80 Ohm	80 Ohm
Recommended load impedance	47 kOhm / < 500 pF	47 kOhm / < 500 pF	47 kOhm / < 500 pF	47 kOhm / < 500 pF
Cartridge body material	Noryl	Noryl	Noryl	Noryl
Cartridge colour	Black	Black	Red	Blue
Cartridge weight	4,1 g	4,1 g	4,1 g	6 g

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accuracy in sound

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Ortofon

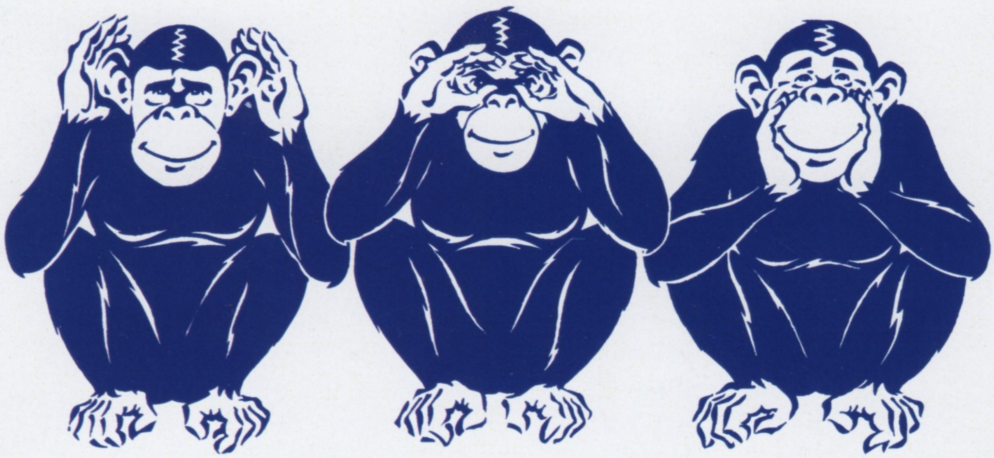
Verkoopadviesprijzen zijn incl. 19% BTW.

	afgifte spanning:	aanbevolen naalddruk:		Prijs:
MM elementen:				
510mkII	3 mV	1,5 gr.	€	**49,00**
520mkII	3 mV	1,5 gr.	€	**109,00**
530mkII	3 mV	1,5 gr.	€	**175,00**
540mkII	3 mV	1,5 gr.	€	**219,00**
OM 5 E	4 mV	1,75 gr.	€	**35,00**
OM 78 mono	4 mV	2,0 gr.	€	**55,00**
Super OM 10	4 mV	1,5 gr.	€	**55,00**
Super OM 20	4 mV	1,5 gr.	€	**119,00**
Super OM 30	4 mV	1,5 gr.	€	**189,00**
Super OM 40	4 mV	1,5 gr.	€	**249,00**
High output MC:				
MC 1 Turbo	3,3 mV	2,0 gr.	€	**109,00**
MC 3 Turbo	3,3 mV	2,0 gr.	€	**165,00**
X5-MC	2 mV	2,0 gr.	€	**235,00**
MC elementen:				
Samba	0,3 mV	1,5 gr.	€	**179,00**
Salsa	0,38 mV	2,2 gr.	€	**219,00**
MC 25 E	0,5 mV	2,0 gr.	€	**309,00**
MC 25 FL	0,5 mV	2,0 gr.	€	**379,00**
Rondo red	0,5 mV	2,3 gr.	€	**359,00**
Rondo blue	0,5 mV	2,3 gr.	€	**499,00**
Rondo bronze	0,5 mV	2,3 gr.	€	**649,00**
Kontrapunkt a	0,45 mV	2,5 gr.	€	**579,00**
Kontrapunkt h	0,47 mV	2,5 gr.	€	**759,00**
Kontrapunkt b	0,47 mV	2,5 gr.	€	**949,00**
Kontrapunkt c	0,47 mV	2,5 gr.	€	**1.199,00**
MC Rohmann	0,25 mV	2,5 gr.	€	**1.149,00**
MC Jubilee	0,34 mV	2,3 gr.	€	**1.499,00**
MC 5000	0,14 mV	2,5 gr.	€	**1.799,00**

Vervangingsnaalden:

Naald:	Element:		Prijs:
Stylus D 25 M	Super OM, OM, OMP en TM	€	**32,50**
Stylus 3 E	OM 3E, OMP 3E	€	**23,50**
Stylus 5 E	OM 5E, OMP 5E, OMB 5E en OMT 5E	€	**25,00**
Stylus 5	OM 5, OMB 5, LMA 5 en SMB 5	€	**23,50**
Stylus 7	TM 7U	€	**25,00**
Stylus 78	Alle Super OM, OM, OMP en TM	€	**32,50**
Stylus 10	Super OM 10, OM 10, OMP 10, OMT 10 en LM 10	€	**27,50**
Stylus 14	TM 14U	€	**27,50**
Stylus 20	Super OM 20, OM 20, OMP 20, OMB 20 en LM 20	€	**79,00**
Stylus 30	Super OM 30, OM 30, OMP 30, OMB 30 en LM 30	€	**125,00**
Stylus 40	OM 40, OM 40 Gold	€	**169,00**
Stylus 510 MK II	Serie 510 MkII, 510 en 510 P	€	**25,00**
Stylus 520 MK II	Serie 520 MkII, 520 en 520 P	€	**69,00**
Stylus 530 MK II	Serie 530 MkII, 530 en 530 P	€	**109,00**
Stylus 540 MK II	Serie 540 MkII, 540 en 540 P	€	**165,00**
Stylus 305	Serie 305 Universal	€	**19,00**
Stylus 310	Serie 310 Universal	€	**25,00**
Stylus 320	Serie 320 Universal	€	**32,50**
Stylus Dual DN 166 E	Dual ULM 66 E	€	**50,00**
Stylus Dual DN 165 E	Dual ULM 65 E	€	**35,00**
Stylus Dual DN 155 E	Dual ULM 55 E, TKS 55 E, 52 E en 50 E	€	**50,00**
Stylus Dual DN 149 S	Dual TKS 49 S	€	**35,00**
FF-Stylus 15 XE MKII	FF 15 XE MkII	€	**32,50**
FF/F Stylus	Alle FF- en F MkI en MkII	€	**32,50**
Stylus VMS 3 E	VMS 3 E	€	**25,00**
Stylus VMS 20 E MKII	alle VMS 20's en VMS 30 MkII	€	**79,00**

prijs- en modelwijzigingen voorbehouden.



horen, zien en... genieten

Boelman & de Raaf