

M3 threaded stylus range



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Renishaw part no: H-1000-7548-01-A

First issued: 05.2012

Ruby ball styli (stainless steel stems)

Ball material		Part number						
Ruby		A-5000-3551	A-5000-3552	A-5000-3553	A-5000-7606	A-5000-7630	A-5000-3554	A-5000-7648
Silicon nitride		A-5004-1979	A-5003-5723	A-5003-6257	A-5003-5061	A-5003-6695	A-5004-1980	A-5004-1981
Zirconia		A-5004-2955	A-5003-5736	A-5004-2956	A-5003-5737	A-5003-9500	A-5004-2957	A-5004-2958
A	Ball dia. mm (in.)	1.0 (0.04)	2.0 (0.08)	3.0 (0.12)	4.0 (0.16)	5.0 (0.20)	4.0 (0.16)	5.0 (0.20)
B	Length mm (in.)	21.0 (0.83)	21.0 (0.83)	21.0 (0.83)	21.0 (0.83)	21.0 (0.83)	31.0 (1.23)	31.0 (1.23)
C	Stem dia. mm (in.)	0.7 (0.028)	1.4 (0.05)	1.5 (0.06)	2.5 (0.10)	2.5 (0.10)	2.5 (0.10)	3.5 (0.14)
D	EWL* mm (in.)	4.0 (0.16)	9.6 (0.38)	14.7 (0.58)	17.2 (0.68)	21.0 (0.83)	27.0 (1.07)	31.0 (1.23)
	Mass grammes	1.0	1.0	1.0	1.3	1.5	2.5	3.0
21 mm – 31 mm range								

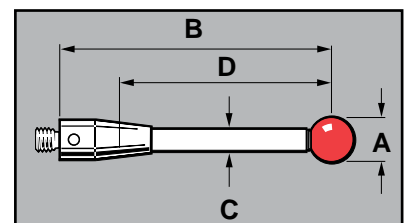
M3 threaded stylus range

1.1

Ruby ball styli (tungsten carbide stems)

Ball material		Part number						
Ruby		A-5000-7632	A-5003-0050	A-5003-0054	A-5003-0051	A-5003-0052	A-5003-0055	A-5003-0057
Silicon nitride		A-5004-2023	A-5004-1198	A-5004-1982	A-5003-8091	A-5003-5724	A-5004-1983	A-5004-1984
Zirconia		A-5004-2959	A-5004-2960	A-5004-2961	A-5004-2962	A-5003-5738	A-5004-2963	A-5003-6766
A	Ball dia. mm (in.)	0.5 (0.020)	1.5 (0.06)	2.5 (0.10)	1.5 (0.06)	2.0 (0.08)	2.5 (0.10)	3.0 (0.12)
B	Length mm (in.)	21.0 (0.83)	20.0 (0.79)	20.2 (0.80)	30.0 (1.19)	30.0 (1.19)	30.0 (1.19)	30.0 (1.19)
C	Stem dia. mm (in.)	0.4 (0.02)	1.0 (0.04)	2.0 (0.08)	1.0 (0.04)	1.5 (0.06)	2.0 (0.08)	2.0 (0.08)
D	EWL* mm (in.)	2.0 (0.08)	12.5 (0.50)	12.5 (0.50)	22.5 (0.89)	22.8 (0.90)	22.5 (0.89)	24.0 (0.94)
	Mass grammes	1.0	0.8	1.3	0.93	1.32	1.81	1.83
20 mm – 30 mm range								

*Effective working length



Ruby ball styli (tungsten carbide stems)

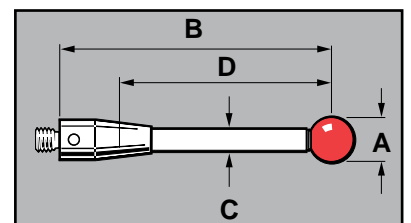
Ball material		Part number							
Ruby		A-5003-0053	A-5003-0056	A-5003-0058	A-5003-0060	A-5003-0062	A-5003-0059	A-5003-0061	A-5003-0063
Silicon nitride		A-5004-1985	A-5004-1986	A-5004-1987	A-5004-1195	A-5004-1718	A-5004-1199	A-5004-1988	A-5004-1201
Zirconia		A-5003-2043	A-5004-2964	A-5004-2965	A-5003-6767	A-5004-2966	A-5004-2968	A-5003-6768	A-5003-7665
A	Ball dia. mm (in.)	2.0 (0.08)	2.5 (0.10)	3.0 (0.12)	4.0 (0.16)	5.0 (0.20)	3.0 (0.12)	4.0 (0.16)	5.0 (0.20)
B	Length mm (in.)	40.0 (1.58)	40.0 (1.58)	40.0 (1.58)	40.0 (1.58)	40.0 (1.58)	50.0 (1.97)	50.0 (1.97)	50.0 (1.97)
C	Stem dia. mm (in.)	1.5 (0.06)	2.0 (0.08)	2.0 (0.08)	2.0 (0.08)	2.5 (0.10)	2.0 (0.08)	2.0 (0.08)	2.5 (0.10)
D	EWL* mm (in.)	32.5 (1.28)	32.5 (1.28)	33.7 (1.33)	36.0 (1.42)	40.0 (1.58)	43.7 (1.72)	46.0 (1.82)	50.0 (1.97)
	Mass grammes	1.58	2.28	2.30	2.38	3.50	2.78	2.85	4.10

40 mm – 50 mm range

Ruby ball styli (ceramic stems)

Ruby	A-5003-0067	A-5003-0068	A-5003-0069	
Silicon nitride	A-5004-1989	A-5003-5725	A-5004-1990	
Zirconia	A-5004-2969	A-5003-5739	A-5004-2970	
A	Ball dia. mm (in.)	3.0 (0.12)	4.0 (0.16)	5.0 (0.20)
B	Length mm (in.)	50.0 (1.97)	50.0 (1.97)	50.0 (1.97)
C	Stem dia. mm (in.)	2.0 (0.08)	2.0 (0.08)	2.5 (0.10)
D	EWL* mm (in.)	43.7 (1.72)	46.0 (1.82)	50.0 (1.97)
	Mass grammes	1.17	1.24	1.33

50 mm range

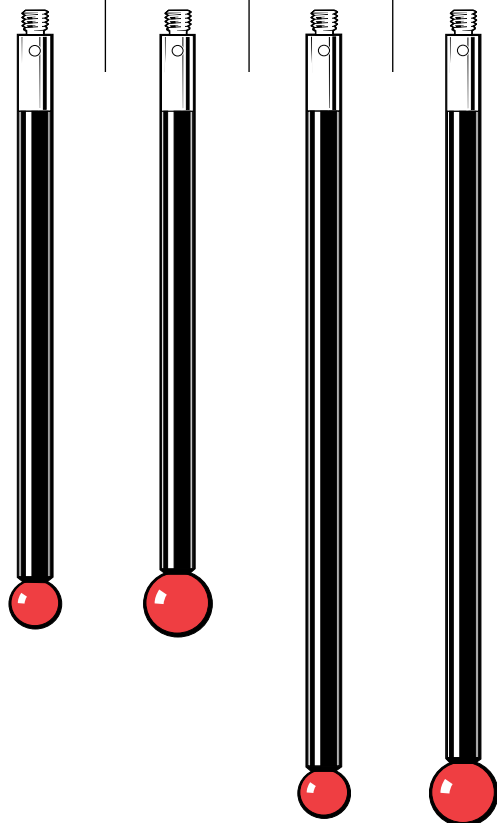


*Effective working length

Ruby ball styli (carbon fibre stems)

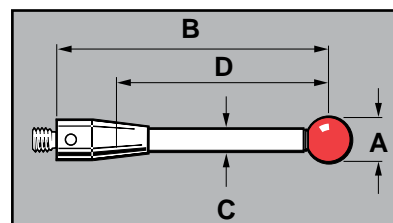
Ball material		Part number			
Ruby		A-5003-4860	A-5003-4862	A-5003-4861	A-5003-4863
Silicon nitride		A-5003-5726	A-5004-1991	A-5003-5727	A-5004-5466
Zirconia		A-5003-5740	A-5003-6771	A-5003-5741	A-5003-6778
A	Ball dia. mm (in.)	6.0 (0.24)	8.0 (0.32)	6.0 (0.24)	8.0 (0.32)
B	Length mm (in.)	75.0 (2.96)	75.0 (2.96)	100.0 (3.94)	100.0 (3.94)
C	Stem dia. mm (in.)	4.0 (0.16)	4.0 (0.16)	4.0 (0.16)	4.0 (0.16)
D	EWL* mm (in.)	75.0 (2.96)	75.0 (2.96)	100.0 (3.94)	100.0 (3.94)
	Mass grammes	2.40	2.98	2.89	3.47

75 mm – 100 mm range



M3 threaded stylus range
1.3

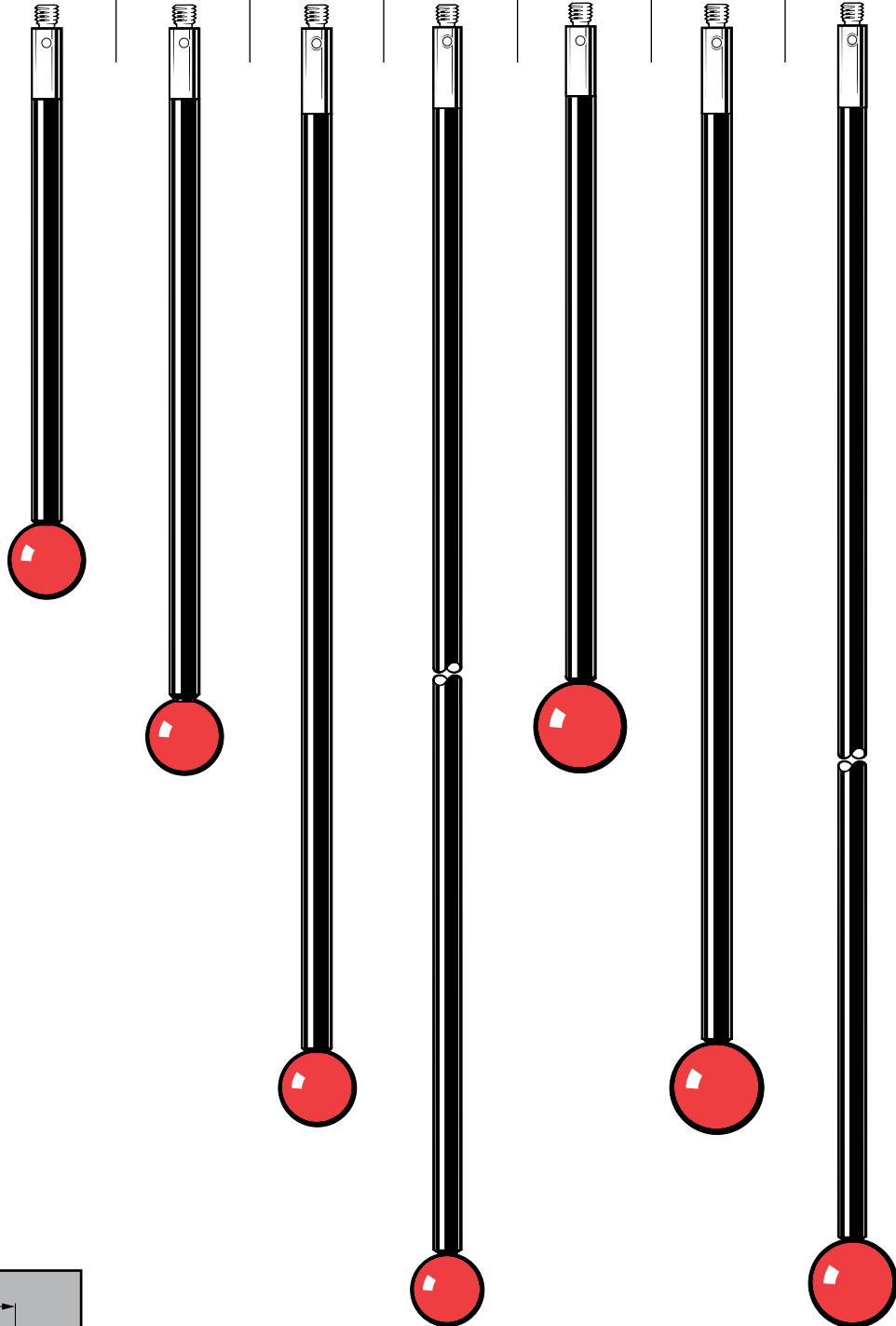
*Effective working length



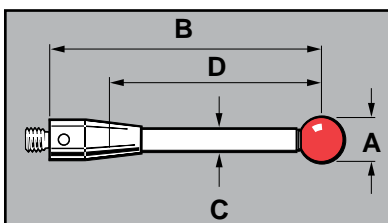
Ruby ball styli (carbon fibre stems)

Ball material		Part number						
Ruby		A-5003-7057	A-5003-7056	A-5003-7055	A-5003-7054	A-5003-7445	A-5003-7446	A-5003-7447
Silicon nitride		A-5004-1992	A-5004-1993	A-5004-1994	A-5004-1995	A-5004-1996	A-5004-1997	A-5004-1998
Zirconia		A-5004-2972	A-5003-9495	A-5004-2973	A-5004-2974	A-5004-2975	A-5004-2976	A-5004-2977
A	Ball dia. mm (in.)	10.0 (0.40)	10.0 (0.40)	10.0 (0.40)	10.0 (0.40)	12.0 (0.48)	12.0 (0.48)	12.0 (0.48)
B	Length mm (in.)	75.0 (2.96)	100.0 (3.94)	150.0 (5.91)	200.0 (7.88)	100.0 (3.94)	150.0 (5.91)	200.0 (7.88)
C	Stem dia. mm (in.)	4.0 (0.16)	4.0 (0.16)	4.0 (0.16)	4.0 (0.16)	4.0 (0.16)	4.0 (0.16)	4.0 (0.16)
D	EWL* mm (in.)	75.0 (2.96)	100.0 (3.94)	150.0 (5.91)	200.0 (7.88)	100.0 (3.94)	150.0 (5.91)	200.0 (7.88)
	Mass grammes	4.05	4.53	5.49	6.47	5.9	6.9	7.9

75 mm – 200 mm range



*Effective working length



Stylus extensions (stainless steel)

Part number	M-5000-7633	M-5000-3592	M-5000-3593
Length mm (in.)	10.0 (0.40)	20.0 (0.79)	35.0 (1.38)
Stem dia. mm (in.)	4.0 (0.16)	4.0 (0.16)	4.0 (0.16)
Mass grammes	0.9	1.6	2.9



Stylus extensions (carbon fibre)

Part number	A-5003-4864	A-5003-4865
Length mm (in.)	75.0 (2.96)	100.0 (3.94)
Stem dia. mm (in.)	4.0 (0.16)	4.0 (0.16)
Mass grammes	2.53	3.02



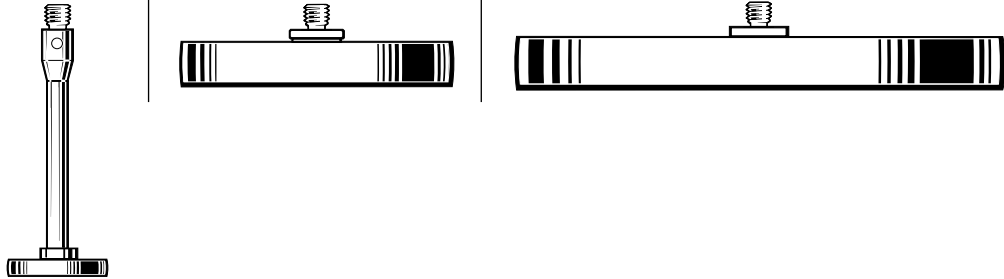
Stylus extension (ceramic)

Part number	A-5003-0075
Length mm (in.)	50.0 (1.97)
Stem dia. mm (in.)	4.0 (0.16)
Mass grammes	2.95

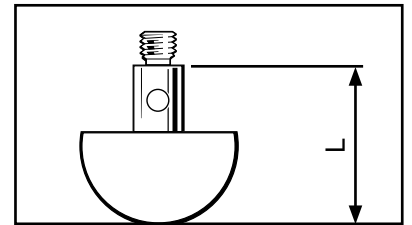
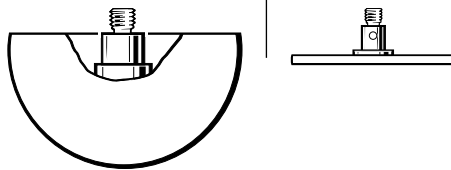


Disc and hollow ball styli

Part number	A-5000-3615 Silver steel	A-5000-7612 Silver steel	A-5000-7669 Carbon steel
Disc dia mm (in.)	12.7 (0.50)	35.0 (1.38)	63.5 (2.51)
Disc depth mm (in.)	2.2 (0.09)	5.0 (0.20)	6.0 (0.24)
Stem dia. mm (in.)	3.5 (0.14)	N/A	N/A
Mass grammes	4.0	10.0	45.0

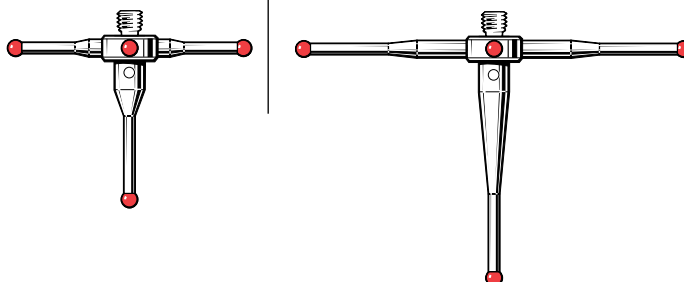


Part number	A-5000-7814 Ceramic	A-5003-7098 Ceramic
Disc dia mm (in.)	30.0 (1.19)	30.0 (1.19)
Disc depth mm (in.)	17.0 (0.67)	1.5 (0.06)
Stem dia. mm (in.)	N/A	4.0 (0.16)
Mass grammes	13.0	3.6



Star styli (fixed)

Part number	A-5003-0076	A-5003-0077
Span mm (in.)	30.0 (1.19)	50.0 (1.97)
Ball mm (in.)	2.0 (0.08)	2.0 (0.08)
Stem dia. mm (in.)	1.4 (0.05)	1.4 (0.05)
EWL* mm (in.)	11.0 (0.44)	11.0 (0.44)
Mass grammes	2.38	5.25



*Effective working length

Custom stylus fax back form

Fax to: +44 (0)1453 523201

Please fill in your stylus requirements in the space provided and fax back to us. Our design team will carry out a feasibility study and present you with a solution to your application problem.

Thread size	Length	EWL	Ball diameter	Ball material	Stem material	Quantity required

Thread size	Length	EWL	Cylinder diameter	Cylinder material	Quantity required

Thread size	Length	Disc diameter	Disc thickness	Disc material	Disc roller Y or N	Quantity required

Notes

Probe head: _____ Probing orientation: _____

Application (what are you measuring?) _____

Company name: _____ Date: _____

Address: _____

Telephone: _____

Contact name: _____ Fax: _____

Department: _____ Email: _____

About Renishaw

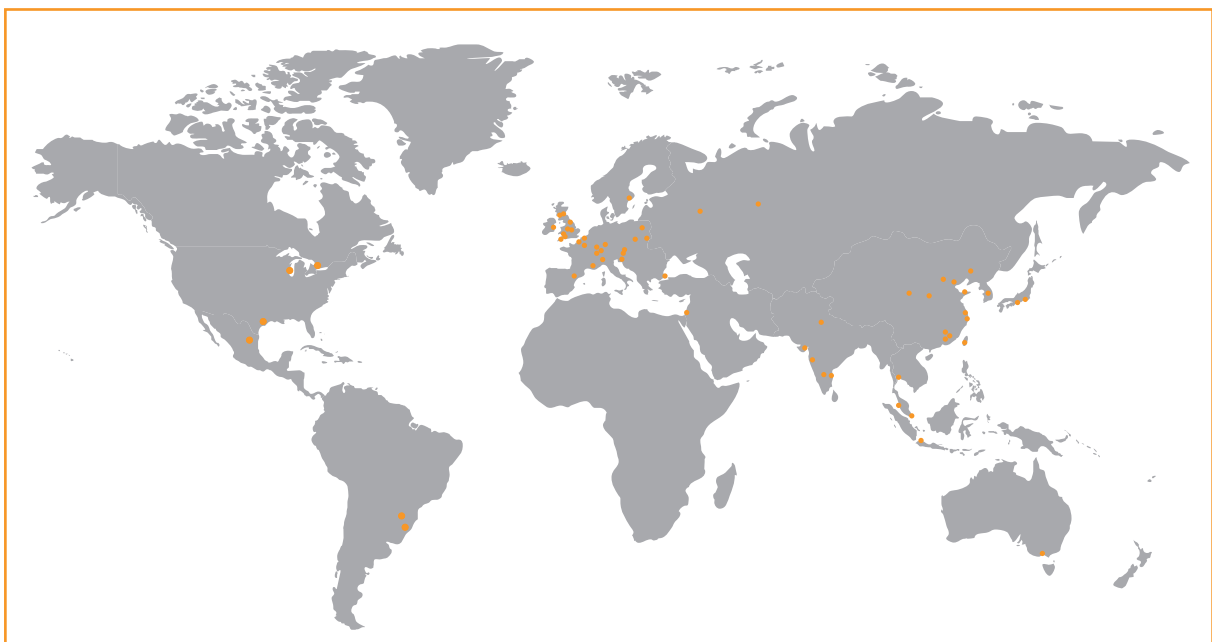
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