RENISHAW
apply innovation™

M3 threaded stylus range



SP25M with two FCR25s on a modular rail system

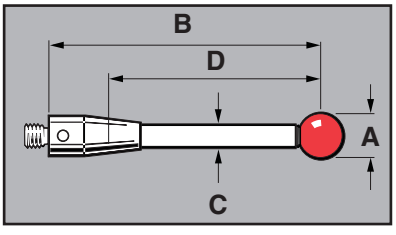
Renishaw's probing systems are designed to give optimum performance using styli from Renishaw's comprehensive range. The following probes all use M3 threaded styli, however, with suitable adaptors, other thread sizes may be used.

- **TP1**
- **TP6**
- **REVO®**
- **SP25M**

Ruby ball styli (stainless steel stems)

Ball material		Part number			
Ruby Silicon nitride Zirconia		A-5004-7401	A-5004-0421	A-5004-0422	A-5004-0423
A	Ball dia. mm (in.)	1.0 (0.04)	2.0 (0.08)	3.0 (0.12)	4.0 (0.16)
B	Length mm (in.)	10.0 (0.40)	10.0 (0.40)	10.0 (0.40)	10.0 (0.40)
C	Stem dia. mm (in.)	0.7 (0.028)	1.5 (0.06)	1.5 (0.06)	2.5 (0.10)
D	EWL* mm (in.)	4.0 (0.16)	6.0 (0.24)	6.5 (0.25)	7.0 (0.28)
	Mass grammes	0.6	0.5	0.5	0.7
					

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								

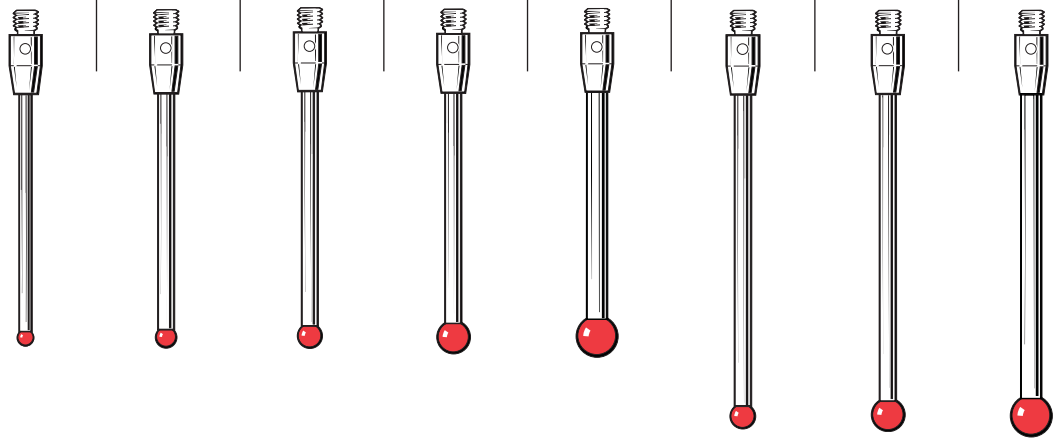


Ruby ball styli (tungsten carbide stems)

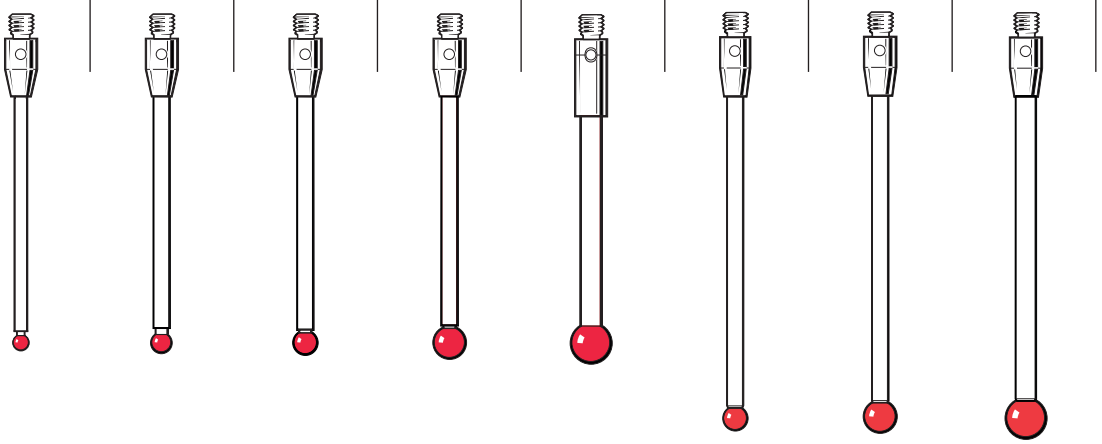
Ball material		Part number					
Ruby		A-5000-7632	A-5004-2442	A-5003-0050	A-5003-3676	A-5003-0054	A-5004-7402
Silicon nitride		A-5004-2023		A-5004-1198		A-5004-1982	
Zirconia		A-5004-2959		A-5004-2960		A-5004-2961	
A	Ball dia. mm (in.)	0.5 (0.020)	1.0 (0.04)	1.5 (0.06)	2.0 (0.08)	2.5 (0.10)	3.0 (0.12)
B	Length mm (in.)	21.0 (0.83)	20.0 (0.79)	20.0 (0.79)	20.0 (0.79)	20.2 (0.80)	20.0 (0.79)
C	Stem dia. mm (in.)	0.4 (0.02)	0.7 (0.028)	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)	12.5 (0.50)	12.5 (0.50)	14.0 (0.55)
	Mass grammes	1.0	0.7	0.8	1.1	1.3	1.4
20 mm – 30 mm range							

Ball material		Part number			
Ruby		A-5003-0051	A-5003-0052	A-5003-0055	A-5003-0057
Silicon nitride		A-5003-8091	A-5003-5724	A-5004-1983	A-5004-1984
Zirconia		A-5004-2962	A-5003-5738	A-5004-2963	A-5003-6766
A	Ball dia. mm (in.)	1.5 (0.06)	2.0 (0.08)	2.5 (0.10)	3.0 (0.12)
B	Length mm (in.)	30.0 (1.19)	30.0 (1.19)	30.0 (1.19)	30.0 (1.19)
C	Stem dia. mm (in.)	1.0 (0.04)	1.5 (0.06)	2.0 (0.08)	2.0 (0.08)
D	EWL* mm (in.)	22.5 (0.89)	22.8 (0.90)	22.5 (0.89)	24.0 (0.94)
	Mass grammes	0.93	1.32	1.81	1.83
20 mm – 30 mm range					

Ruby ball styli (tungsten carbide stems)

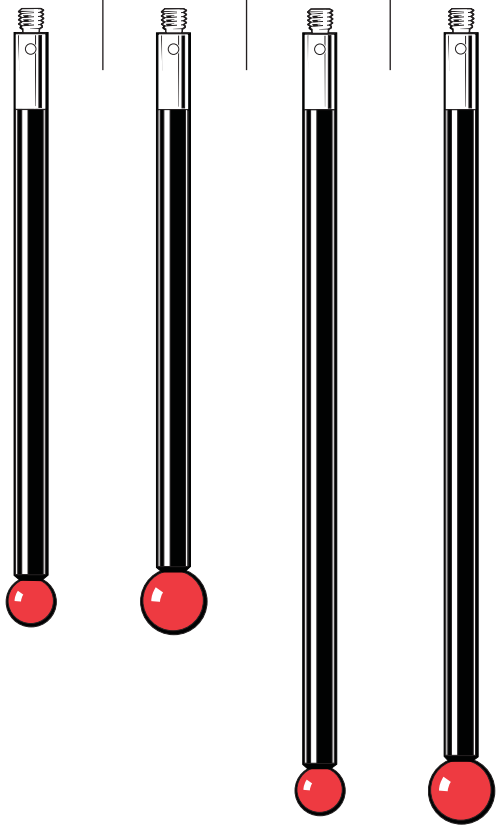
Ball material		Part number							
Ruby		A-5003-0053	A-5003-0056	A-5003-0058	A-5003-0060	A-5003-0062	A-5003-0059	A-5003-0061	A-5003-0063
Silicon nitride		A-5004-1985	A-5004-1986	A-5004-1987	A-5004-1195	A-5004-1718	A-5004-1199	A-5004-1988	A-5004-1201
Zirconia		A-5003-2043	A-5004-2964	A-5004-2965	A-5003-6767	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									

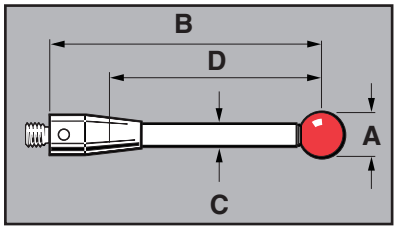
Ruby ball styli (ceramic stems)

Ball material									
Ruby		A-5004-3646	A-5004-2545	A-5004-6040	A-5004-0154	A-5004-6735	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.)	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)	32.5 (1.28)	36.0 (1.42)	40.0 (1.58)	43.7 (1.72)	46.0 (1.82)	50.0 (1.97)
	Mass grammes	0.9	1.1	1.1	1.2	1.7	1.17	1.24	1.33
50 mm range									

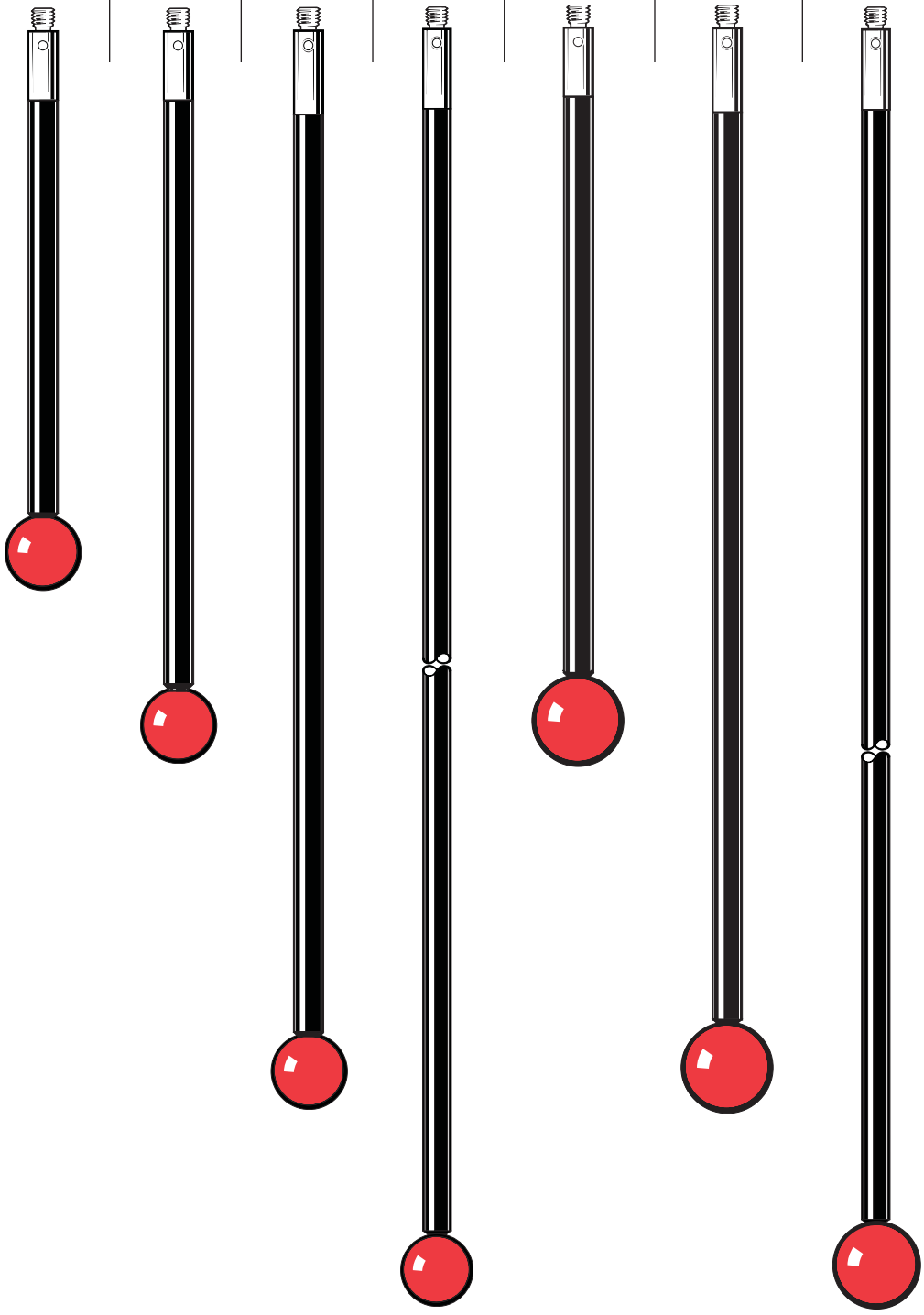
*Effective working length

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					



Ruby ball styli (carbon fibre stems)

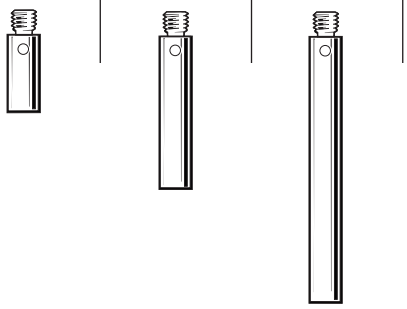
Ball material		Part number						
Ruby		A-5003-7057	A-5003-7056	A-5003-7055	A-5003-7054	A-5003-7445	A-5003-7446	A-5003-7447
Silicon nitride		A-5004-1992	A-5004-1993	A-5004-1994	A-5004-1995	A-5004-1996**	A-5004-1997**	A-5004-1998**
Zirconia		A-5004-2972	A-5003-9495	A-5004-2973	A-5004-2974	A-5004-2975**	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

** Specials

Stylus extensions (stainless steel)

Part number	A-5004-7609	A-5004-7583	A-5004-7584
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



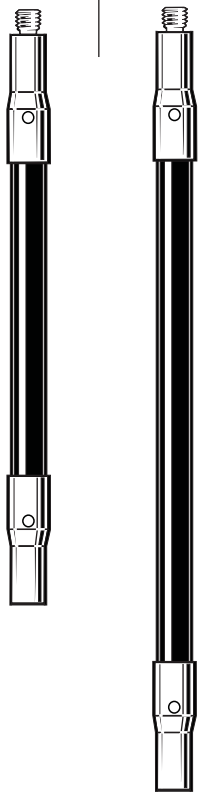
Stylus extension (ceramic)

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



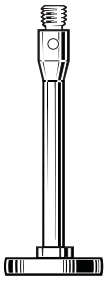
Stylus extensions (carbon fibre)

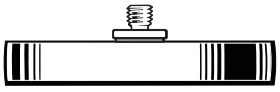
Part number	A-5003-4864	A-5003-4865
Length mm (in.)	75.0 (2.96)	100.0 (3.94)
Stem dia. mm (in.)	4.5 (0.17)	4.5 (0.17)
Mass grammes	2.53	3.02

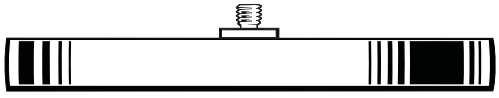


Disc and hollow ball styli

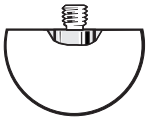
Part number	A-5000-3615 Silver steel	A-5000-7612 Silver steel	A-5000-7669 Carbon steel
Disc dia mm (in.)	12.7 (0.50)	35.0 (1.38)	63.5 (2.51)
Disc depth mm (in.)	2.2 (0.09)	5.0 (0.20)	6.0 (0.24)
Stem dia. mm (in.)	3.5 (0.14)	N/A	N/A
Mass grammes	4.0	10.0	45.0

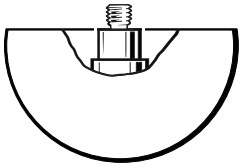


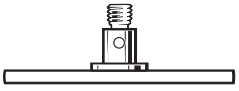


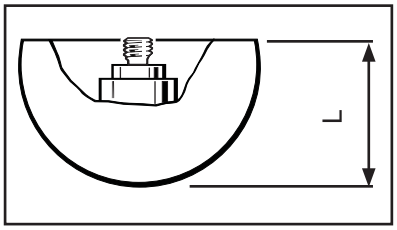


Part number	A-5004-3728 Ceramic	A-5000-7814 Ceramic	A-5003-7098 Ceramic
Disc dia mm (in.)	18.0 (0.71)	30.0 (1.19)	30.0 (1.19)
Disc depth mm (in.)	12.0 (0.48)	17.0 (0.67)	1.5 (0.06)
Stem dia. mm (in.)	N/A	N/A	4.0 (0.16)
Mass grammes	4	13.0	3.6



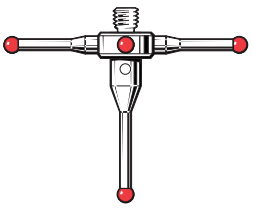


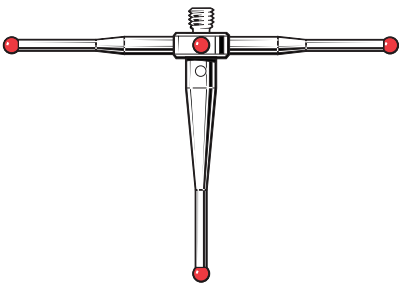




Star styli (fixed)

Part number	A-5003-0076 Stainless steel	A-5003-0077 Stainless steel
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