

M3 threaded stylus range

M3 threaded
stylus range

4.0



**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
- MIP
- SP25M

Styli and accessories

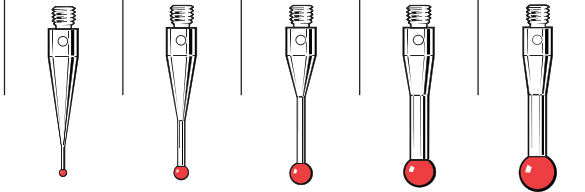
M3 threaded
stylus range

4.1

Ruby ball styli (stainless steel stems)

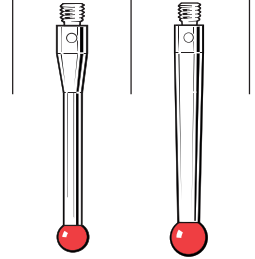
Part number	A-5000-3551	A-5000-3552	A-5000-3553	A-5000-7606	A-5000-7630
A Ball dia. mm (Inch)	1.0 (0.04)	2.0 (0.08)	3.0 (0.12)	4.0 (0.16)	5.0 (0.20)
B Length mm (Inch)	21.0 (0.83)	21.0 (0.83)	21.0 (0.83)	21.0 (0.83)	21.0 (0.83)
C Stem dia. mm (In.)	0.6 (0.03)	1.4 (0.06)	1.5 (0.06)	2.5 (0.10)	2.5 (0.10)
D EWL* mm (Inch)	4.0 (0.16)	8.0 (0.32)	12.0 (0.48)	17.2 (0.68)	21.0 (0.83)
Mass grammes	1.0	1.0	1.0	1.3	1.5

21 mm range



Part number	A-5000-3554	A-5000-7648
A Ball dia. mm (Inch)	4.0 (0.16)	5.0 (0.20)
B Length mm (Inch)	31.0 (1.23)	31.0 (1.23)
C Stem dia. mm (In.)	2.5 (0.10)	3.5 (0.14)
D EWL* mm (Inch)	27.0 (1.07)	31.0 (1.23)
Mass grammes	2.5	3.0

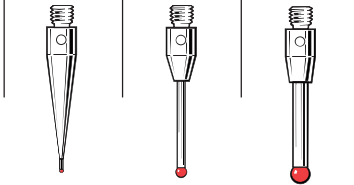
31 mm range



Ruby ball styli (tungsten carbide stems)

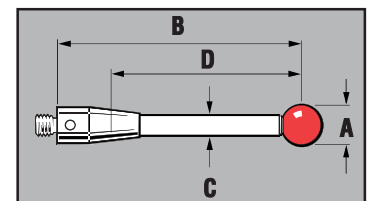
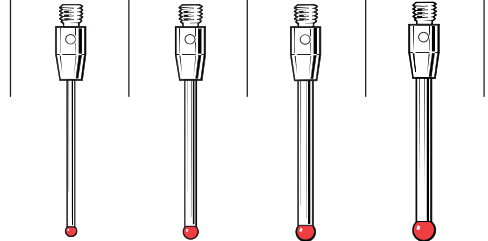
Part number	A-5000-7632	A-5003-0050	A-5003-0054
A Ball dia. mm (Inch)	0.5 (0.02)	1.5 (0.06)	2.5 (0.10)
B Length mm (Inch)	21.0 (0.83)	21.0 (0.83)	21.0 (0.83)
C Stem dia. mm (In.)	0.4 (0.02)	1.0 (0.04)	2.0 (0.08)
D EWL* mm (Inch)	2.0 (0.08)	12.5 (0.50)	12.5 (0.50)
Mass grammes	1.0	0.8	1.3

21 mm range



30 mm range

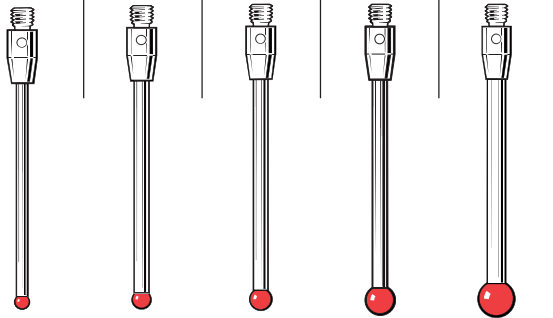
Part number	A-5003-0051	A-5003-0052	A-5003-0055	A-5003-0057
A Ball dia. mm (Inch)	1.5 (0.06)	2.0 (0.08)	2.5 (0.10)	3.0 (0.12)
B Length mm (Inch)	30.0 (1.19)	30.0 (1.19)	30.0 (1.19)	30.0 (1.19)
C Stem dia. mm (In.)	1.0 (0.04)	1.5 (0.06)	2.0 (0.08)	2.0 (0.08)
D EWL* mm (Inch)	22.5 (0.89)	22.5 (0.89)	22.5 (0.89)	22.5 (0.89)
Mass grammes	0.93	1.32	1.81	1.83



Ruby ball styli (tungsten carbide stems)

Part number	A-5003-0053	A-5003-0056	A-5003-0058	A-5003-0060	A-5003-0062
A Ball dia. mm (inch)	2.0 (0.08)	2.5 (0.10)	3.0 (0.12)	4.0 (0.16)	5.0 (0.20)
B Length mm (inch)	40.0 (1.58)	40.0 (1.58)	40.0 (1.58)	40.0 (1.58)	40.0 (1.58)
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)
D EWL* mm (inch)	32.5 (1.28)	32.5 (1.28)	32.5 (1.28)	36.0 (1.42)	40.0 (1.58)
Mass grammes	1.58	2.28	2.30	2.38	3.50

40 mm range



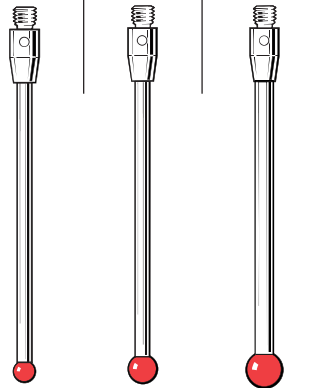
M3 threaded
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Ruby ball styli (tungsten carbide stems)

Part number	A-5003-0059	A-5003-0061	A-5003-0063
A Ball dia. mm (inch)	3.0 (0.12)	4.0 (0.16)	5.0 (0.20)
B Length mm (inch)	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 (inch)	42.5 (1.68)	46.0 (1.82)	50.0 (1.97)
Mass grammes	2.78	2.85	4.10

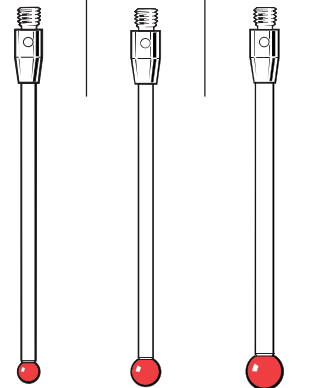
50 mm range



Ruby ball styli (ceramic stems)

Part number	A-5003-0067	A-5003-0068	A-5003-0069
A Ball dia. mm (inch)	3.0 (0.12)	4.0 (0.16)	5.0 (0.20)
B Length mm (inch)	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 (inch)	42.5 (1.68)	46.0 (1.82)	50.0 (1.97)
Mass grammes	1.17	1.24	1.33

50 mm range



These styli are also available with specialist ball materials – see Section 7

*Effective working length

Styli and accessories

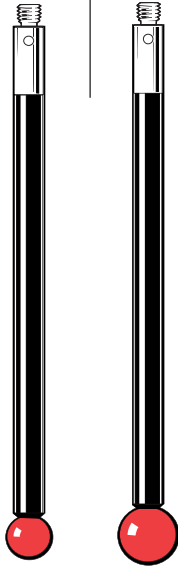
M3 threaded
stylus range

4.3

Ruby ball styli (carbon fibre stems)

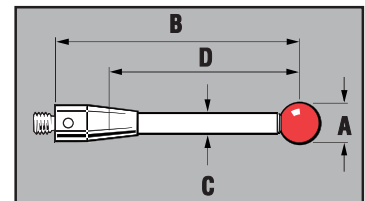
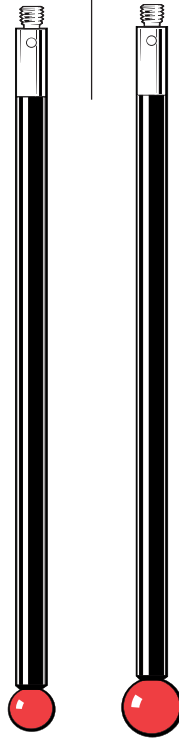
Part number	A-5003-4860	A-5003-4862
A Ball dia. mm (inch)	6.0 (0.24)	8.0 (0.32)
B Length mm (inch)	75.0 (2.96)	75.0 (2.96)
C Stem dia. mm (in.)	4.0 (0.16)	4.0 (0.16)
D EWL* mm (inch)	75.0 (2.96)	75.0 (2.96)
Mass grammes	2.40	2.98

75 mm range



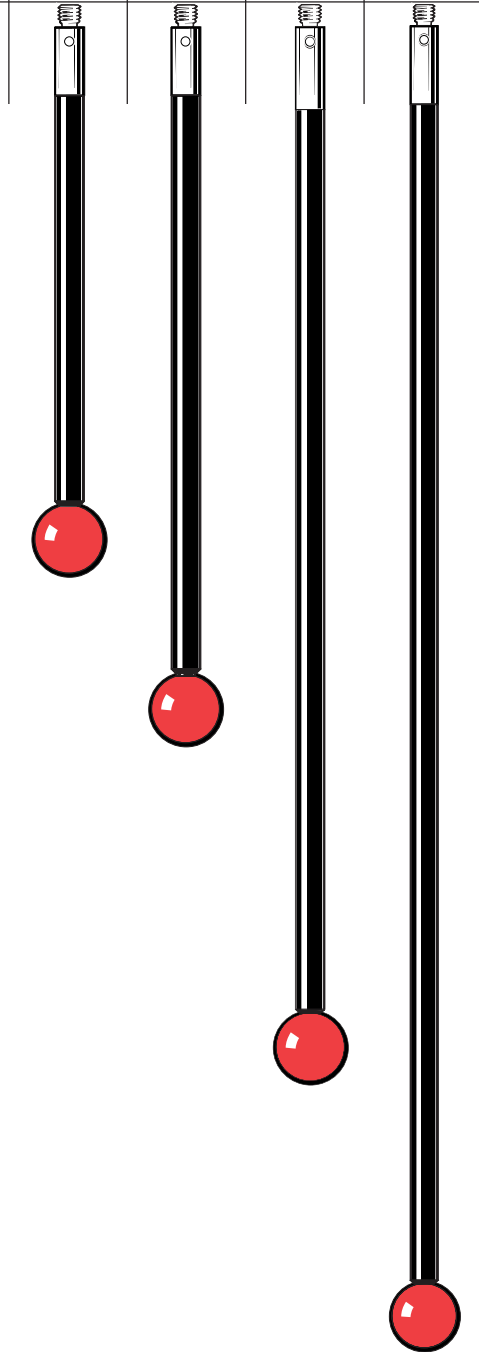
A-5003-4861	A-5003-4863
6.0 (0.24)	8.0 (0.32)
100.0 (3.94)	100.0 (3.94)
4.0 (0.16)	4.0 (0.16)
100.0 (3.94)	100.0 (3.94)
2.89	3.47

100 mm range



Ruby ball styli (carbon fibre stems)

Part number	A-5003-7057	A-5003-7056	A-5003-7055	A-5003-7054
A Ball dia. mm (inch)	10.0 (0.40)	10.0 (0.40)	10.0 (0.40)	10.0 (0.40)
B Length mm (inch)	75.0 (2.96)	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)
D EWL* mm (inch)	75.0 (2.96)	100.0 (3.94)	150.0 (5.91)	200.0 (7.88)
Mass grammes	4.05	4.53	5.49	6.47



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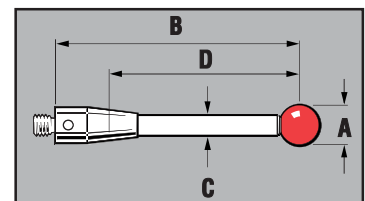
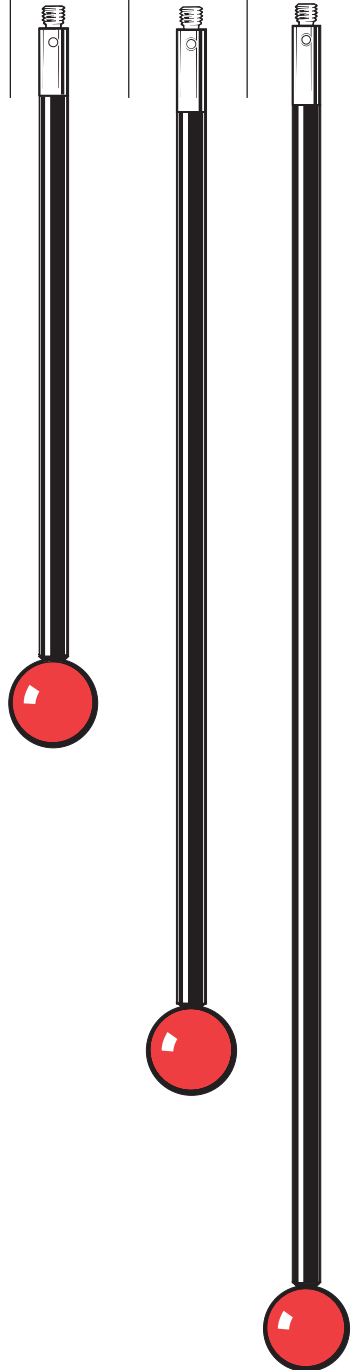
Styli and accessories

M3 threaded
stylus range

4.5

Ruby ball styli (carbon fibre stems)

Part number	A-5003-7445	A-5003-7446	A-5003-7447
A Ball dia. mm (inch)	12.0 (0.48)	12.0 (0.48)	12.0 (0.48)
B Length mm (inch)	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)
D EWL* mm (inch)	100.0 (3.94)	150.0 (5.91)	200.0 (7.88)
Mass grammes	5.9	6.9	7.9



Stylus extensions (stainless steel)

Part number	M-5000-7633	M-5000-3592	M-5000-3593
Length mm (Inch)	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 (Inch)	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 (Inch)	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



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stylus range

4.6

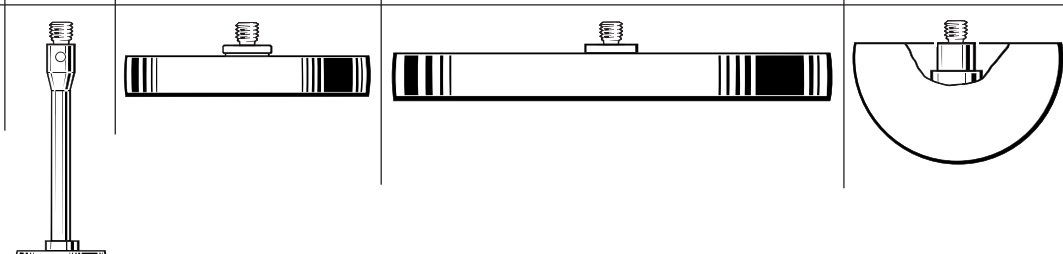
Styli and accessories

M3 threaded
stylus range


4.7

Disc and hollow ball styli

Part number	A-5000-3615 Silver steel	A-5000-7612 Silver steel	A-5000-7669 Carbon steel	A-5000-7814 Ceramic
Disc dia mm (inch)	12.7 (0.50)	35.0 (1.38)	63.5 (2.51)	30.0 (1.19)
Disc depth mm (inch)	2.0 (0.08)	5.0 (0.20)	6.0 (0.24)	17.0 (0.67)
Stem dia. mm (in.)	3.5 (0.14)	NA	NA	NA
Mass grammes	4.0	10.0	45.0	13.0

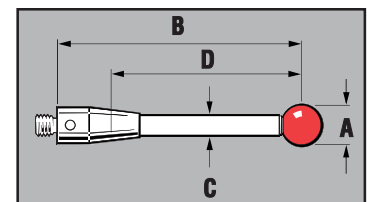
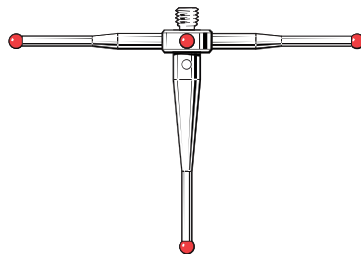
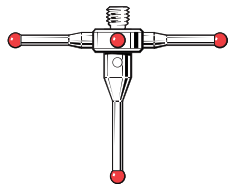


Part number	A-5003-7098 Ceramic
Disc dia mm (inch)	30.0 (1.19)
Disc depth mm (inch)	1.5 (0.06)
Stem dia. mm (in.)	4.0 (0.16)
Mass grammes	7.1



Star styli (fixed)

Part number	A-5003-0076	A-5003-0077
Span mm (inch)	30.0 (1.19)	50.0 (1.97)
Ball mm (inch)	2.0 (0.08)	2.0 (0.08)
Stem dia. mm (in.)	1.4 (0.06)	1.4 (0.06)
EWL* mm (inch)	11.0 (0.44)	11.0 (0.44)
Mass grammes	2.38	5.25



*Effective working length