

Styli accessories



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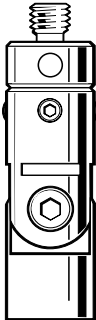
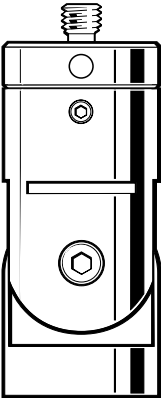
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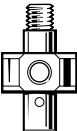
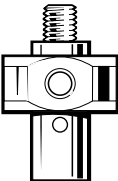
Stylus knuckles

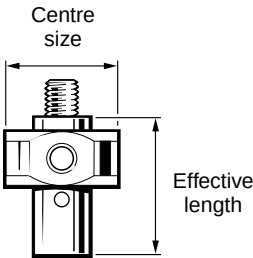
Part number	A-5000-7534	A-5003-4697	A-5000-9902 Rotary	A-5000-7616	A-5003-4686 Rotary
Thread size	M2	M2	M2	M3	M3
Effective length mm (in.)	8.0 (0.32)	13.5 (0.54)	16.5 (0.65)	12.0 (0.48)	17.0 (0.67)
Centre offset mm (in.)	4.5 (0.18)	N/A	N/A	6.0 (0.24)	N/A
Mass grammes	1.6	1.1	1.3	3.7	1.5
					

Part number	A-5003-4689 Rotary	A-5003-5278* Rotary	A-5003-5279 Rotary
Thread size	M4	M5	M5
Effective length mm (in.)	33.0 (1.30)	36.5 (1.44)	46.5 (1.84)
Centre offset mm (in.)	N/A	N/A	N/A
Mass grammes	9.8	16.5	64.9
			

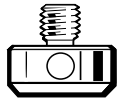
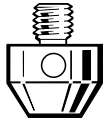
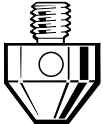
*Not for use with SP80

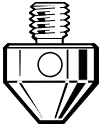
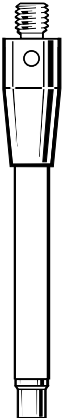
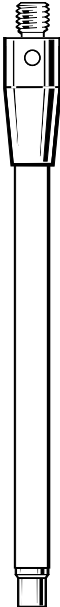
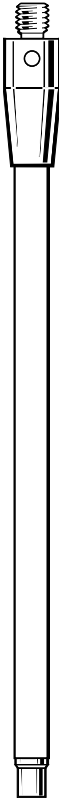
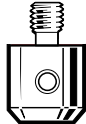
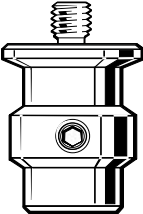
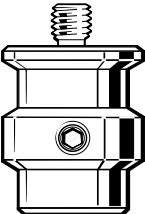
Stylus centres

Part number	A-5000-8395 4-way	A-5000-3627 5-way	A-5000-7610 5-way	A-5000-7792 5-way
Thread size	M2	M2	M3	M4
Effective length mm (in.)	7.5 (0.30)	7.5 (0.30)	13.0 (0.52)	18.0 (0.71)
Centre offset mm (in.)	7.5 (0.30)	7.0 (0.28)	10.0 (0.40)	15.0 (0.60)
Mass grammes	1.1	0.8	3.6	12.1
				

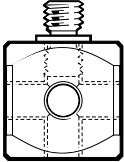
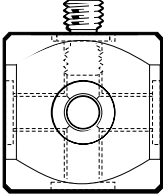
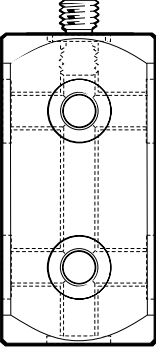
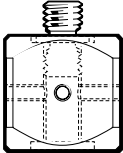
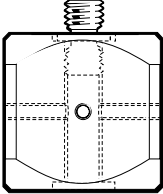


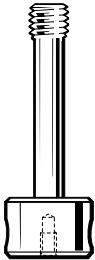
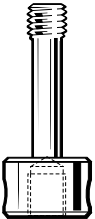
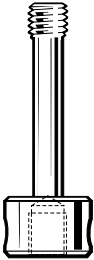
Adaptors

Part number	M-5000-4164 Stainless steel	M-5000-4163 Stainless steel	M-5000-6622 Stainless steel	M-5000-6714 Stainless steel	M-5000-6625 Stainless steel	M-5000-9301 Stainless steel	A-5003-0856 Stainless steel	A-5555-0227 Stainless steel
Male/female thread	M2/M3	M3/M2	M4/M2	M4/M3	M4/M3	M5/M4	M5/M4	M5/M3
Length mm (In.)	7.0 (0.28)	5.0 (0.20)	5.0 (0.20)	9.0 (0.36)	20.0 (0.79)	6.5 (0.26)	9.0 (0.36)	10.0 (0.40)
Mass grammes	0.4	0.6	1.5	1.4	3.2	6.0	4.6	5.0
								

Part number	A-5555-0226 Stainless steel	A-5000-7751 Ceramic	M-5000-8167 Stainless steel	A-5000-7752 Ceramic	A-5000-7753 Ceramic	A-2054-4657 Stainless steel	A-5000-9302 Stainless steel	A-5000-9303 Stainless steel
Male/female thread	M5/M2	M4/M3	TF6/M3	M4/M3	M4/M3	M4/Ø4.5	M5/Ø8.0	M5/Ø10.0
Length mm (In.)	10.0 (0.40)	50.0 (1.97)	18.0 (0.71)	75.0 (2.96)	100.0 (3.94)	10.0 (0.40)	22.0 (0.87)	22.0 (0.87)
Mass grammes	5.0	4.4	1.9	5.2	6.3	5.0	18.0	20.0
								

Cubes and bolts

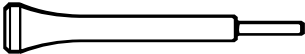
Part number	A-5555-0189 Titanium	A-5555-0190 Titanium	A-5555-0194 Titanium	A-5003-5683 Titanium	A-5003-5684 Titanium
Thread size	M5	M5	M5	M5 – M2	M5 – M2
Length mm (In.)	15.0 (0.60)	20.0 (0.79)	20.0 (0.79)	15.0 (0.60)	20.0 (0.79)
Width mm (in.)	15.0 (0.60)	20.0 (0.79)	40.0 (1.58)	15.0 (0.60)	20.0 (0.79)
Mass grammes	12.85	32.55	63.50	13.75	35.18
					

Part number	A-5003-5679 Stainless steel	A-5003-5678 Stainless steel	A-5003-5677 Stainless steel	A-5003-5676 Stainless steel
Thread size	M5 – M2	M5 – M2	M5	M5
Length mm (In.)	28.0 (1.11)	33.0 (1.30)	28.0 (1.11)	33.0 (1.30)
Mass grammes	6.7	7.1	6.0	6.4
				

Styli tools

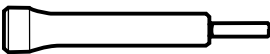
M-5000-3540

For M2 and M3
threaded styli



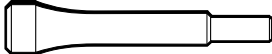
M-5000-3707

For M4
threaded styli



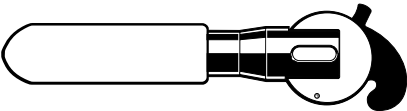
M-5000-9304

For M5
threaded styli



A-5003-2300

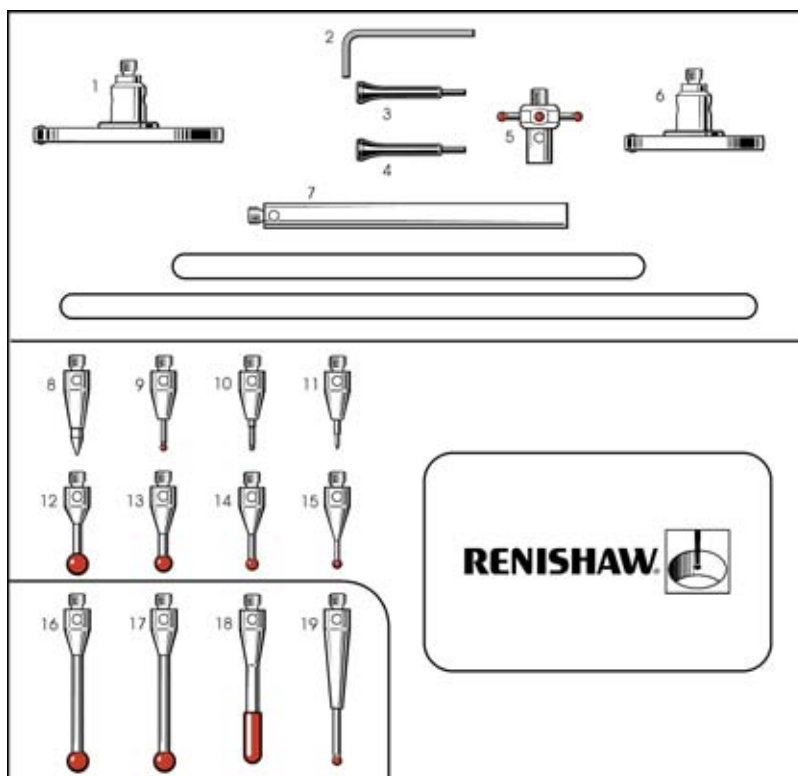
For the M2 carbon fibre
range of styli



These tools are designed to fit styli to Renishaw probes without causing internal damage

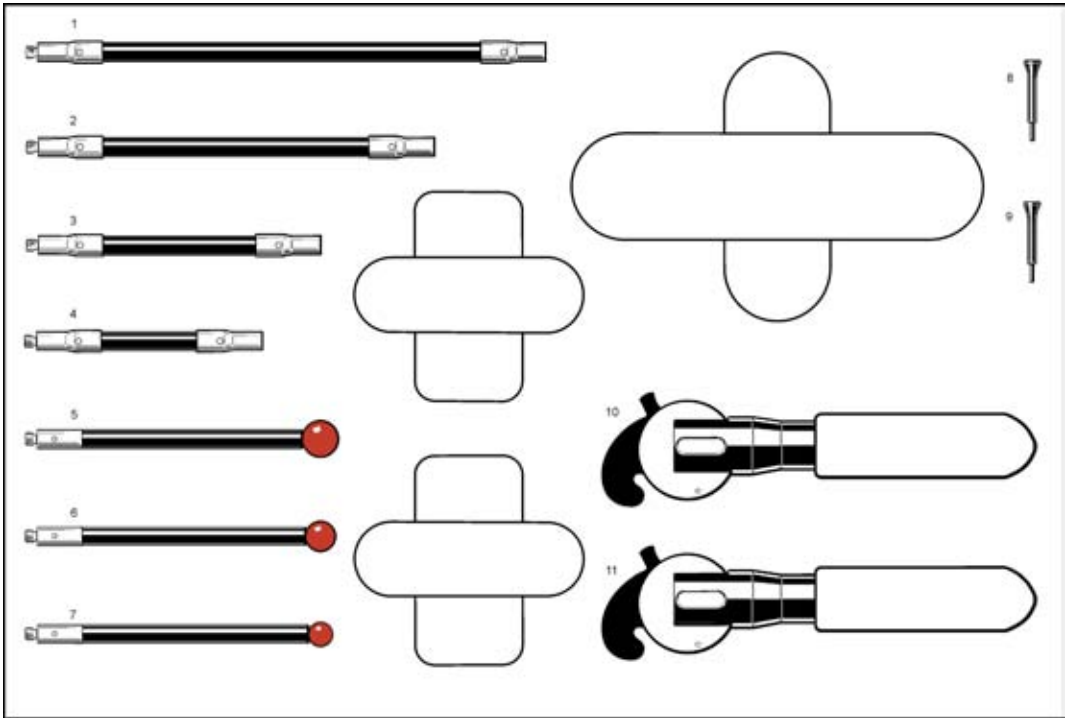
M2 styli kits

A-5000-0002 M2 stylus enhancement kit

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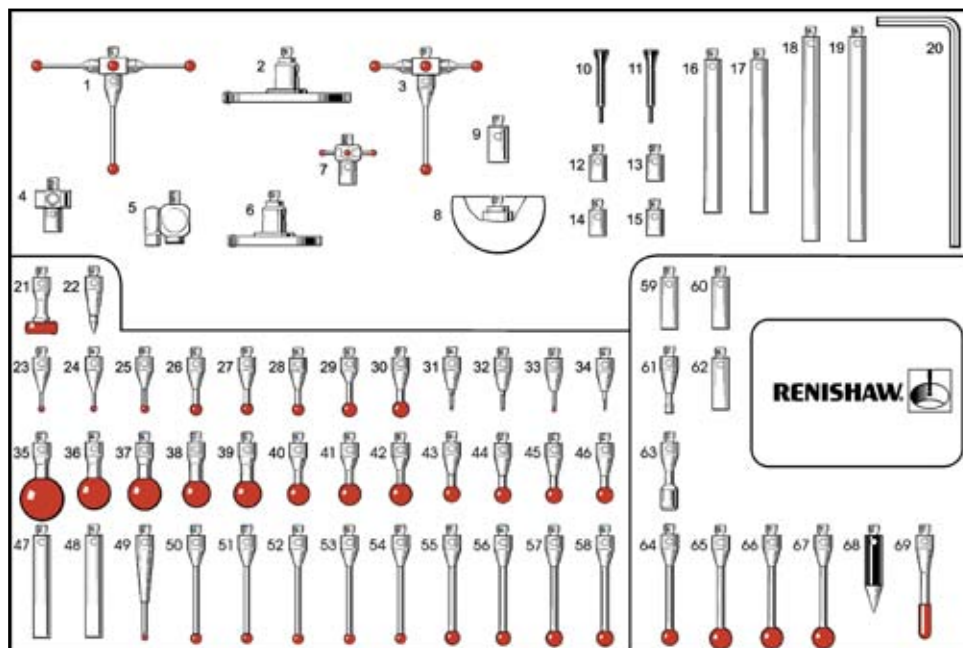
Position	Part number	Description
1	A-5000-7810	M2 DSC D25SLVS T1.5 L8.6 BR-Y2.5
2	P-TL01-0150	S3 HEX WRENCH 1.5 MM A/F
3-4	M-5000-3540	M2-M3 STYLUS TOOL
5	A-5000-7811	M2 STR D1R 4BALL L7.5T S10
6	A-5000-7809	M2 DSC D18SLVS T1.5 L8.6 BR-Y2.5
7	M-5000-7779	M2 EXT L40 d3SS
8	A-5000-7813	M2 PNT D1.4TC 30deg L10
9	A-5000-7801	M2 STY D0.7R L10 EWL4 d0.5TC
10	A-5000-7805	M2 STY D0.5R L10 EWL3 d0.4TC
11	A-5000-7800	M2 STY D0.3R L10 EWL2 d0.2TC
12	A-5000-7803	M2 STY D2.5R L10 EWL6.5 d1SS
13	A-5000-7807	M2 STY D2R L10 EWL6 d1SS
14	A-5000-7802	M2 STY D1.5R L10 EWL4.5 d0.7SS
15	A-5000-7806	M2 STY D1R L10 EWL4.5 d0.7SS
16-17	A-5000-7804	M2 STY D2.5R L20 EWL16.4 d1.4SS
18	A-5000-7812	M2 SPH D2R L20 EWL7.2 SS
19	A-5000-7808	M2 STY D1R L20 EWL7 d0.7TC

A-5003-2310 M2 high performance kit



Position	Part number	Description
1	A-5003-2283	M2 EXT L90 d3CF
2	A-5003-2282	M2 EXT L70 d3CF
3	A-5003-2281	M2 EXT L50 d3CF
4	A-5003-2280	M2 EXT L40 d3CF
5	A-5003-2287	M2 STY D6R L50 EWL50 d3CF
6	A-5003-2286	M2 STY D5R L50 EWL50 d3CF
7	A-5003-2285	M2 STY D4R L50 EWL50 d3CF
8-9	M-5000-3540	M2-M3 STYLUS TOOL
10-11	A-5003-2300	M2 STYLUS TOOL CF RANGE

A-5000-0001 M2 comprehensive stylus kit

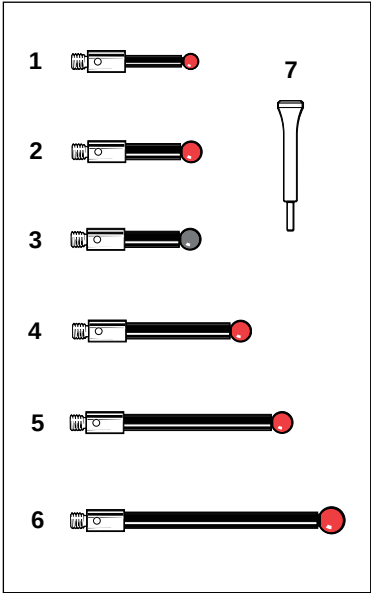
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Position	Part number	Description
1	A-5000-3626	M2 STR D2R 5BALL L19.2 S30
2	A-5000-7810	M2 DSC D25SLVS T1.5 L8.6 BR-Y2.5
3	A-5000-7629	M2 STR D2R 5BALL L19.2 S18
4	A-5000-3627	M2 ACC CENTRE 5WAY
5	A-5000-7534	M2 ACC KNUCKLE OFFSET
6	A-5000-7809	M2 DSC D18SLVS T1.5 L8.6 BR-Y2.5
7	A-5000-7811	M2 STR D1 4BALL L7.5 S10
8	A-5000-3614	M2 HEM D18CE
9	M-5000-4164	M2-M3 EXT L7SS
10-11	M-5000-3540	M2-M3 STYLUS TOOL
12-15	M-5000-7634	M2 EXT L5 d3SS
16-17	M-5000-4162	M2 EXT L30 d3SS
18-19	M-5000-7779	M2 EXT L40 d3SS
20	P-TL01-0150	S3 HEX WRENCH 1.5 MM A/F
21	A-5000-3611	M2 DSC D6R T1.2 L10 BR-Y2
22	A-5000-7813	M2 PNT D1.4TC 30deg L10
23-24	A-5000-7806	M2 STY D1R L10 EWL4.5 d0.7SS
25	A-5000-7802	M2 STY D1.5R L10 EWL4.5 d0.7SS
26-28	A-5000-7807	M2 STY D2R L10 EWL6 d1SS
29	A-5000-7803	M2 STY D2.5R L10 EWL6 d1SS
30	A-5000-3604	M2 STY D3R L10 EWL7.5 d1.5SS
31-32	A-5000-7805	M2 STY D0.5R L10 EWL3 d0.4TC
33	A-5000-7801	M2 STY D0.7R L10 EWL4 d0.5TC
34	A-5000-7800	M2 STY D0.3R L10 EWL2 d0.2TC
35	A-5000-4158	M2 STY D8R L11 EWL11 d2.5SS
36-37	A-5000-4156	M2 STY D6R L10 EWL10 d2.5SS
38-39	A-5000-4155	M2 STY D5R L10 EWL10 d2.5SS
40-42	A-5000-4154	M2 STY D4R L10 EWL10 d1.5SS
43-46	A-5000-3604	M2 STY D3R L10 EWL7 d1.5SS
47-48	M-5000-3648	M2 EXT L20 d3SS
49	A-5000-7808	M2 STY D1R L20 EWL7 d0.7TC
50-54	A-5000-3603	M2 STY D2R L20 EWL14 d1.4SS
55-56	A-5000-7804	M2 STY D2.5R L20 EWL16.4 d1.4SS
57-58	A-5000-4160	M2 STY D3R L20 EWL17 d1.5SS
59-60	M-5000-3647	M2 EXT L10 d3SS
61	M-5000-4152	M2 CYL D1.5SLVS L11 EWL1.25
62	M-5000-3647	M2 EXT L10 d3SS
63	M-5000-4153	M2 CYL D3SLVS L13 EWL3.8
64	A-5000-4160	M2 STY D3R L20 EWL17 d1.5SS
65-67	A-5000-4161	M2 STY D4R L20 EWL20 d1.5SS
68	M-5000-4150	M2 PNT D3SLVS 30deg L15
69	A-5000-7812	M2 SPH D2R L20 EWL7.2 SS

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M3 styli kits

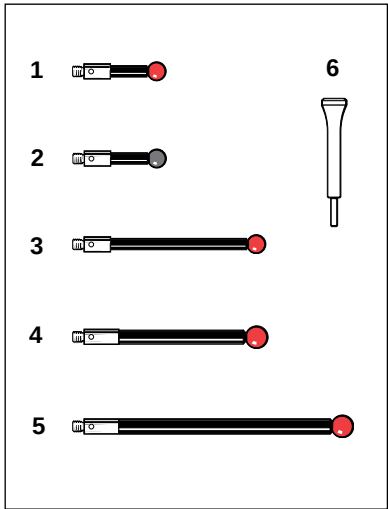
A-5003-6151 M3 stylus kit for SP25M/SM25-1/SH25-1



Position	Part number	Description
1	A-5003-5970	M3 STY D3R L21 EWL13.5 d2CF
2	A-5003-5971	M3 STY D4R L21 EWL13.5 d3CF
3	A-5003-5977	M3 STY D4SN L21 EWL13.5 d3CF
4	A-5003-5972	M3 STY D4R L31 EWL23.5 d3CF
5	A-5003-5973	M3 STY D4R L40 EWL32.5 d3CF
6	A-5003-5974	M3 STY D5R L50 EWL42.5 d3CF
7	M-5000-3540	M2-M3 STYLUS TOOL

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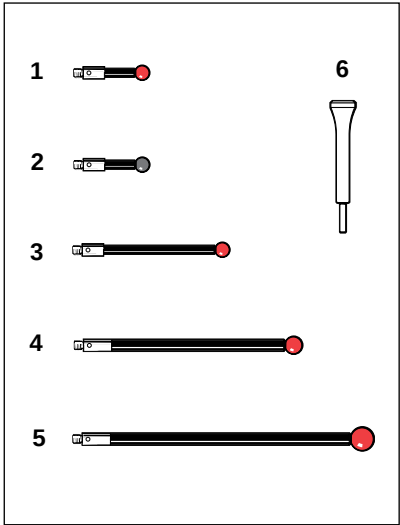
A-5003-6152 M3 stylus kit for SP25M/SM25-2/SH25-2



Position	Part number	Description
1	A-5003-5975	M3 STY D5R L21 EWL13.5 d3CF
2	A-5003-5978	M3 STY D5SN L21 EWL13.5 d3CF
3	A-5003-5974	M3 STY D5R L50 EWL42.5 d3CF
4	A-5003-5976	M3 STY D6R L50 EWL50 d4CF
5	A-5003-4860	M3 STY D6R L75 EWL75 d4CF
6	M-5000-3540	M2-M3 STYLUS TOOL

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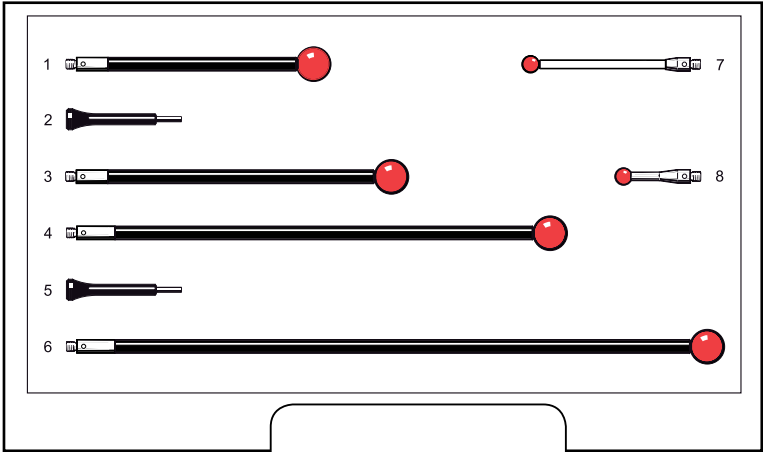
A-5003-6153 M3 stylus kit for SP25M/SM25-3/SH25-3



Position	Part number	Description
1	A-5003-5975	M3 STY D5R L21 EWL13.5 d3CF
2	A-5003-5978	M3 STY D5SN L21 EWL13.5 d3CF
3	A-5003-5974	M3 STY D5R L50 EWL42.5 d3CF
4	A-5003-4860	M3 STY D6R L75 EWL75 d4CF
5	A-5003-4863	M3 STY D8R L100 EWL100 d4CF
6	M-5000-3540	M2-M3 STYLUS TOOL

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**A-5003-8124 M3 stylus kit for SP25M/SM25-4/SH25-4



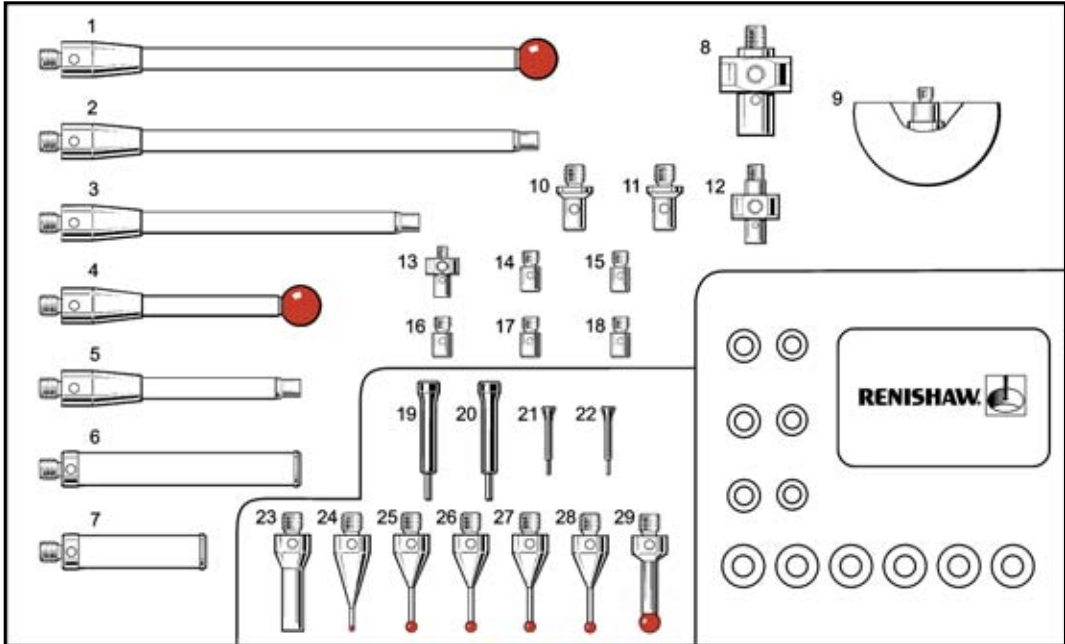
Position	Part number	Description
1	A-5003-7057	M3 STYLUS D10R L75 EWL75 d4CF
2	M-5000-3540	M2/M3 STYLUS TOOL
3	A-5003-7056	M3 STYLUS D10R L100 EWL100 d4CF
4	A-5003-7055	M3 STYLUS D10R L150 EWL150 d4CF
5	M-5000-3540	M2/M3 STYLUS TOOL
6	A-5003-7054	M3 STYLUS D10R L200 EWL200 d4CF
7	A-5003-0069	M3 STYLUS D5R L50 EWL50 d2.5CE
8	A-5000-7630	M3 STYLUS D5R L21 EWL21 d2.5SS

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**Special

M4 styli kits

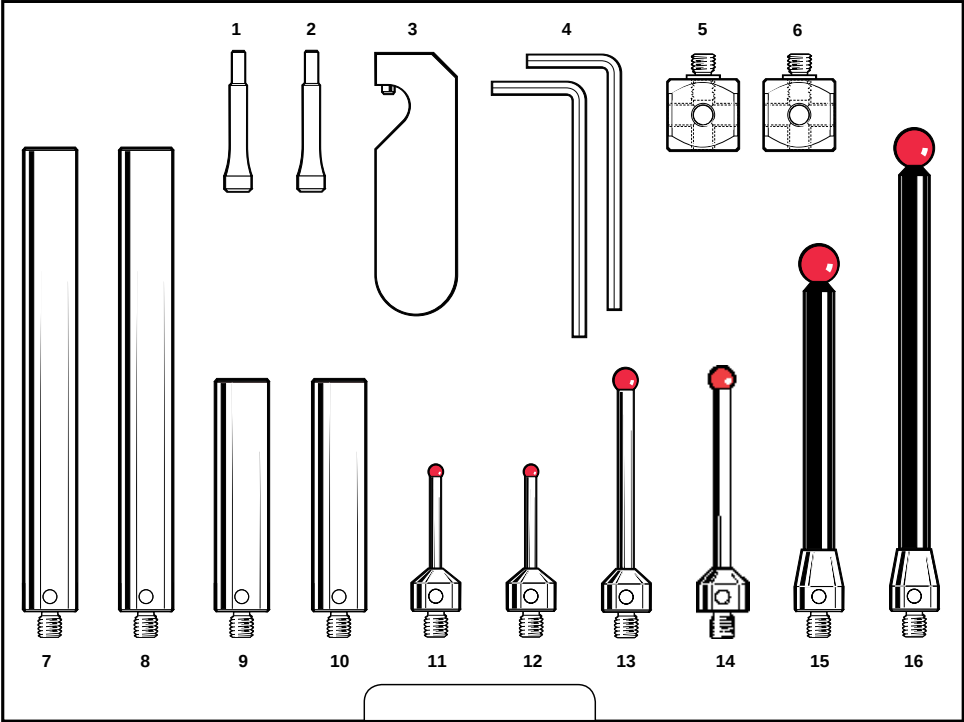
A-5000-7829 M4 stylus kit (TP7M use)



Position	Part number	Description
1	A-5000-7796	M4 STY D8R L100 EWL100 d4.5CE
2	A-5000-7753	M4-M3 EXT L100CE
3	A-5000-7752	M4-M3 EXT L75CE
4	A-5000-7795	M4 STY D8R L50 EWL50 d4.5CE
5	A-5000-7751	M4-M3 EXT L50CE
6	A-5000-7755	M4 EXT L50 d7.4CE
7	A-5000-7754	M4 EXT L30 d7.4CE
8	A-5000-7792	M4 ACC CENTRE 5WAY
9	A-5000-7814	M3 HEM D30CE
10-11	M-5000-6714	M4-M3 EXT L9SS
12	A-5000-7610	M3 ACC CENTRE 5WAY
13	A-5000-3627	M2 ACC CENTRE 5WAY
14-18	M-5000-4163	M3-M2 EXT L5SS
19-20	M-5000-3707	M4 STYLUS TOOL
21-22	M-5000-3540	M2-M3 STYLUS TOOL
23	M-5000-6625	M4-M3 EXT L20SS
24	A-5000-7545	M4 STY D1R L19.5 EWL4.5 d0.7SS
25-28	A-5000-7547	M4 STY D2R L19 EWL9.2 d1.4SS
29	A-5000-7551	M4 STY D4R L18 EWL13.7 d3SS

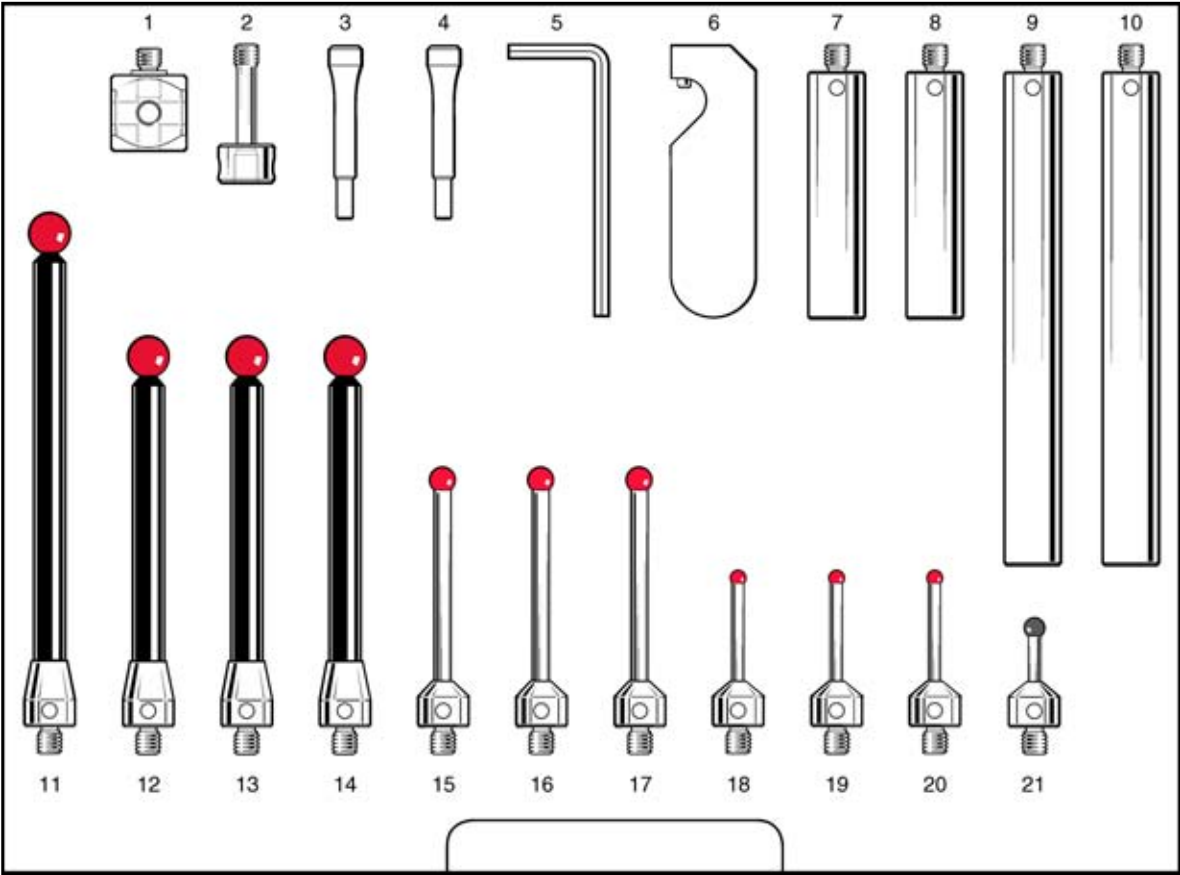
M5 styli kits

A-5003-6168 M5 stylus kit SP80



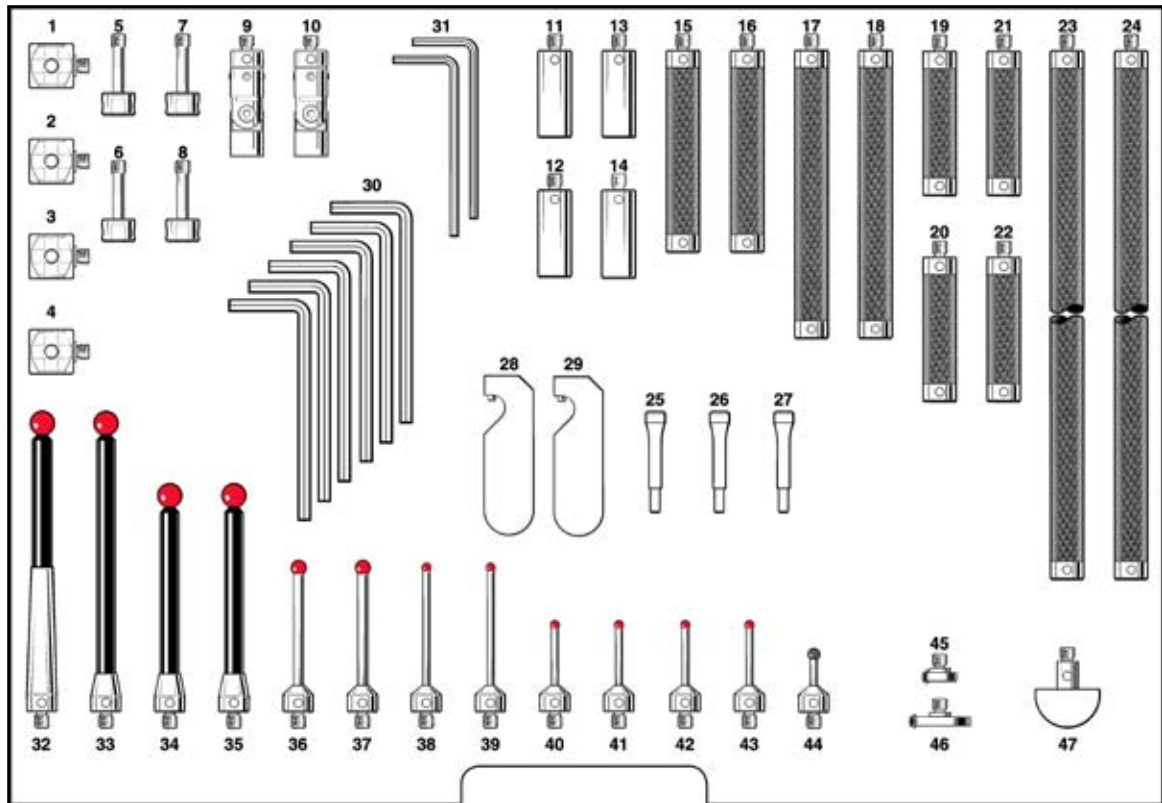
Position	Part number	Description
1-2	M-5000-9304	M5 STYLUS TOOL
3	A-5003-6134	M5 ACC D11 EXTENSION TOOL
4	P-TL01-0250	S3 HEX WRENCH 2.5 MM A/F
5-6	A-5555-0189	M5 ACC 15×15 CUBE
7-8	A-5555-0136	M5 EXT L100 d11SS
9-10	A-5555-0670	M5 EXT L50 d11SS
11-12	A-5003-5218	M5 STY D3R L30 EWL21 d2TC
13-14	A-5003-5236	M5 STY D5R L50 EWL41 d3TC
15	A-5003-5251	M5 STY D8R L75 EWL62 d6CF
16	A-5003-5262	M5 STY D8R L100 EWL87 d6CF

A-5003-5911 M5 stylus kit – standard

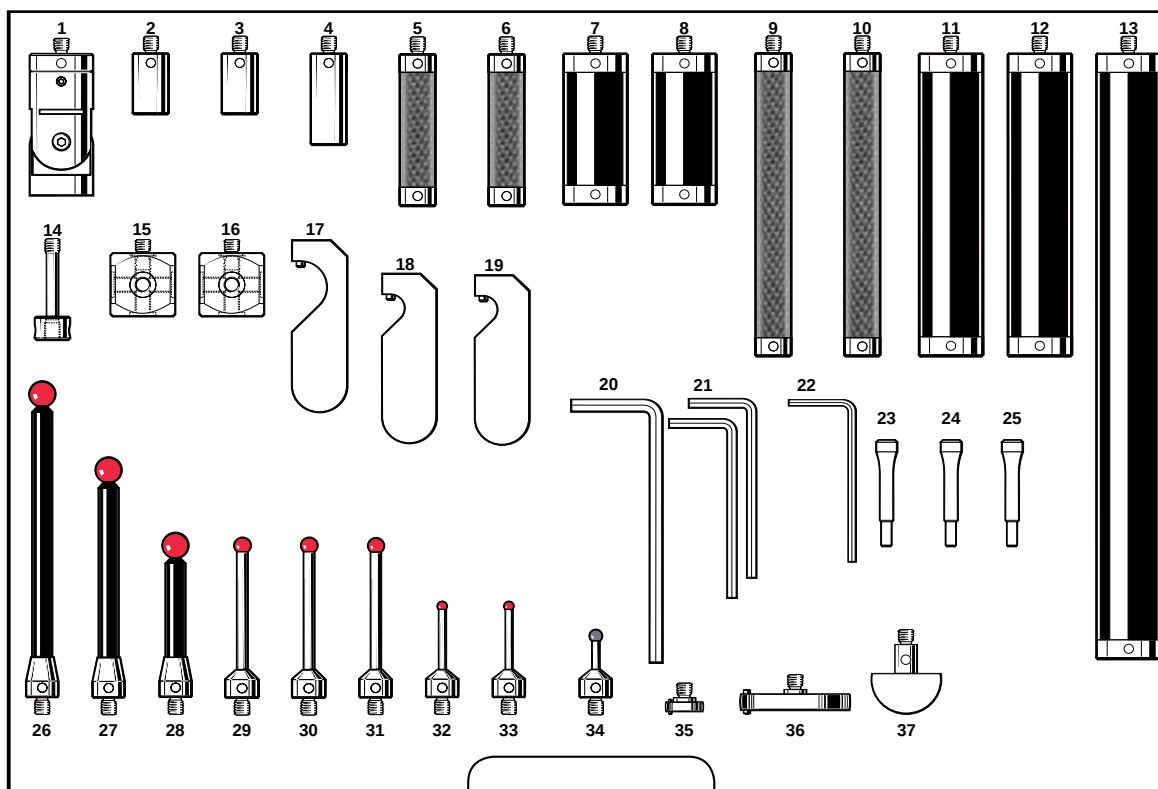


Position	Part number	Description
1	A-5555-0189	M5 ACC 15×15 CUBE
2	A-5003-5677	M5 ACC CUBE BOLT L28
3-4	M-5000-9304	M5 STYLUS TOOL
5	P-TL01-0250	S6 HEX WRENCH 2.5 MM A/F
6	A-5003-6134	M5 ACC D11 EXTENSION TOOL
7-8	A-5555-0670	M5 EXT L50 d11SS
9-10	A-5555-0136	M5 EXT L100 d11SS
11	A-5003-5262	M5 STY D8R L100 EWL89.5 d6CF
12-14	A-5003-5251	M5 STY D8R L75 EWL64.5 d6CF
15-17	A-5003-5236	M5 STY D5R L50 EWL41.5 d3TC
18-20	A-5003-5218	M5 STY D3R L30 EWL21 d2TC
21	A-5003-5733	M5 STY D4SN L20 EWL11.9 d2TC

A-5003-5909 M5 stylus kit – comprehensive

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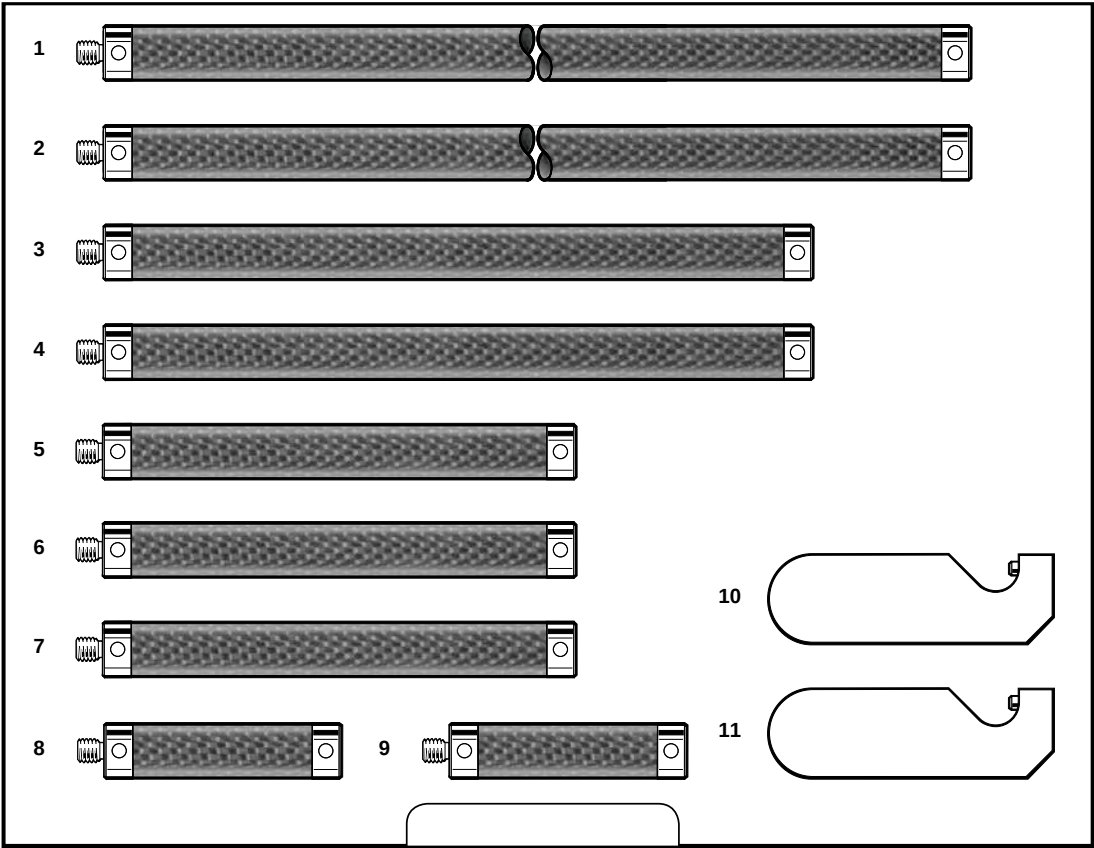
Position	Part number	Description
1-4	A-5555-0189	M5 ACC 15×15 CUBE
5-8	A-5003-5677	M5 ACC CUBE BOLT L28
9-10	A-5003-5278	M5 ACC KNUCKLE d11 ROTARY
11-14	A-5555-0669	M5 EXT L30 d11SS
15-16	A-5555-0623	M5 EXT L70 d11CF
17-18	A-5555-0652	M5 EXT L100 d11CF
19-22	A-5555-0648	M5 EXT L50 d11CF
23-24	A-5555-0654	M5 EXT L200 d11CF
25-27	M-5000-9304	M5 STYLUS TOOL
28-29	A-5003-6134	M5 ACC D11 EXTENSION TOOL
30	P-TL01-0250	S3 HEX WRENCH 2.5 MM A/F
31	P-TL01-0150	S3 HEX WRENCH 1.5 MM A/F
32	A-5003-5261	M5 STY D8R L100 EWL50 d6CF
33	A-5003-5262	M5 STY D8R L100 EWL89.5 d6CF
34-35	A-5003-5251	M5 STY D8R L75 EWL64.5 d6CF
36-37	A-5003-5236	M5 STY D5R L50 EWL41.5 d3TC
38-39	A-5003-5234	M5 STY D3R L50 EWL41 d2TC
40-43	A-5003-5218	M5 STY D3R L30 EWL21 d2TC
44	A-5003-5733	M5 STY D4SN L20 EWL11.9 d2TC
45	A-5003-5288	M5 DSC D12SLVS T3 L3 BR-Y5
46	A-5003-5289	M5 DSC D21SLVS T3 L3 BR-Y5
47	A-5003-5276	M5 HEM D22CE d7SS

A-5003-5910 M5 stylus kit – general purpose
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Position	Part number	Description
1	A-5003-5279	M5 ACC KNUCKLE d20 ROTARY
2-3	A-5555-0140	M5 EXT L20 d11SS
4	A-5555-0669	M5 EXT L30 d11SS
5-6	A-5555-0648	M5 EXT L50 d11CF
7-8	A-5555-0671	M5 EXT L50 d20AL
9-10	A-5555-0652	M5 EXT L100 d11CF
11-12	A-5555-0127	M5 EXT L100 d20AL
13	A-5555-0125	M5 EXT L200 d20AL
14	A-5003-5676	M5 ACC CUBE BOLT L33
15-16	A-5555-0190	M5 ACC 20×20 CUBE
17	A-5003-6135	M5 ACC D20 EXTENSION TOOL
18-19	A-5003-6134	M5 ACC D11 EXTENSION TOOL
20	P-TL01-0300	S4 HEX WRENCH 3.0 MM A/F
21	P-TL01-0250	S6 HEX WRENCH 2.5 MM A/F
22	P-TL01-0150	S3 HEX WRENCH 1.5 MM A/F
23-25	M-5000-9304	M5 STYLUS TOOL
26	A-5003-5262	M5 STY D8R L100 EWL89.5 d6CF
27	A-5003-5251	M5 STY D8R L75 EWL64.2 d6CF
28	A-5003-5238	M5 STY D8R L50 EWL39.5 d6CF
29-31	A-5003-5236	M5 STY D5R L50 EWL41.5 d3TC
32-33	A-5003-5218	M5 STY D3R L30 EWL21 d2TC
34	A-5003-5733	M5 STY D4SN L20 EWL11.9 d2TC
35	A-5003-5288	M5 DSC D12SLVS T3 L3 BR-Y5
36	A-5003-5290	M5 DSC D35SLVS T5 L4 BR-Y8
37	A-5003-5276	M5 HEM D22CE d7SS

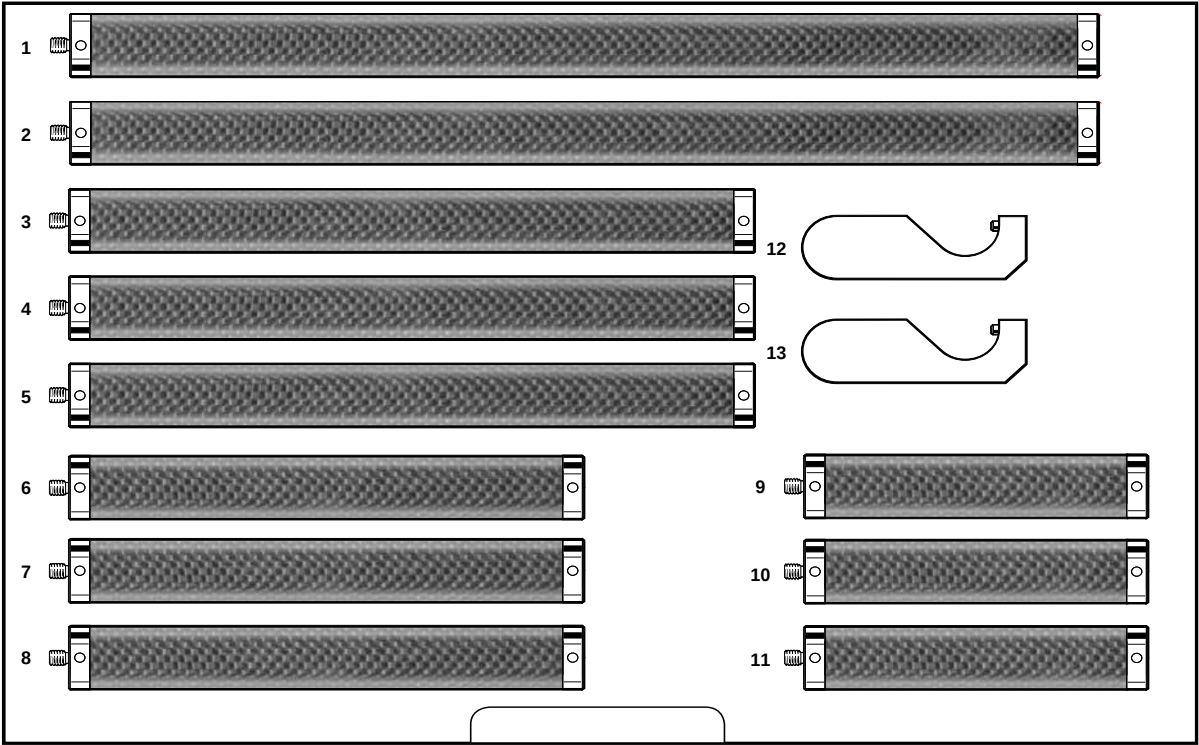
www.renishaw.com

A-5003-5912 M5 stylus extension kit – 11 mm



Position	Part number	Description
1-2	A-5555-0654	M5 EXT L200 d11CF
3-4	A-5555-0424	M5 EXT L150 d11CF
5-7	A-5555-0652	M5 EXT L100 d11CF
8-9	A-5555-0648	M5 EXT L50 d11CF
10-11	A-5003-6134	M5 ACC D11 EXTENSION TOOL

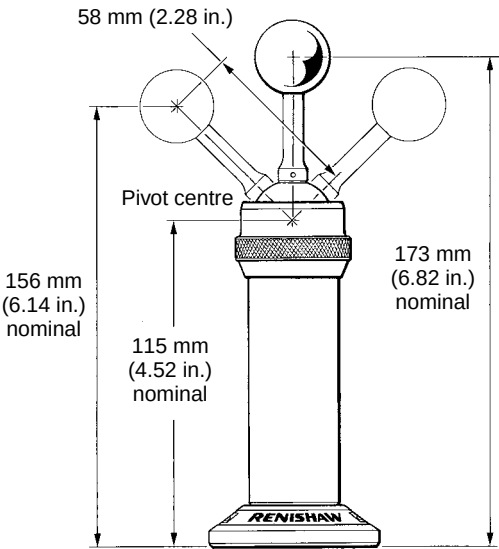
A-5003-5913 M5 stylus extension kit – 20 mm



Position	Part number	Description
1-2	A-5555-0664	M5 EXT L300 d20CF
3-5	A-5555-0663	M5 EXT L200 d20CF
6-8	A-5555-0661	M5 EXT L150 d20CF
9-11	A-5555-0659	M5 EXT L100 d20CF
12-13	A-5003-6135	M5 ACC D20 EXTENSION TOOL

Datum balls

Datum spheres are made from hard wearing tungsten carbide and come supplied with individual certificates stating ball diameter and roundness. All sphere measurements are performed on equipment traceable to UK (NPL) standards. Grade 5 sphericity balls are used.



Datum sphere kit		Kit part number
Ø12 mm	datum ball	A-1034-0028
Ø19 mm	datum ball	A-1034-0027
Ø25 mm	datum ball	A-1034-0026
Ø¾ in.	datum ball	A-1034-0031
Ø1 in.	datum ball	A-1034-0035

Fixing stud – a fixing stud is required with each kit to attach pillar to table surface.

Thread size	Part number
M6 × 1	M-1034-0016
M8 × 1.25	M-1034-0015
M10 × 1.5	M-1034-0014
5/16 - 18 × UNC	M-1034-0018
3/8 - 16 × UNC	M-1034-0017

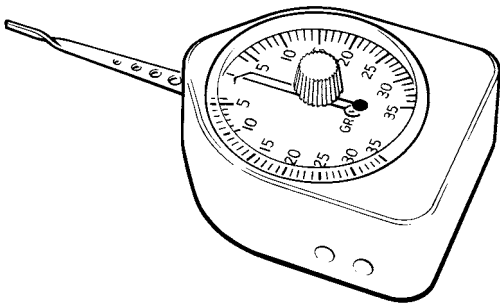
Optional extras

Datum ball		Part number
Ø12 mm	datum ball	A-1034-0005
Ø19 mm	datum ball	A-1034-0023
Ø25 mm	datum ball	A-1034-0002
Ø¾ in.	datum ball	A-1034-0032
Ø1 in.	datum ball	A-1034-0036

Adaptors/extension	Part number
2 way adaptor	M-1034-0042
3 way adaptor	M-1034-0052
Pillar extension 75 mm (2.96 in.) long	M-1034-0019

Gramme gauge

The gramme gauge allows the optimum trigger force to be set to maximise probe performance on all standard Renishaw touch trigger probes.

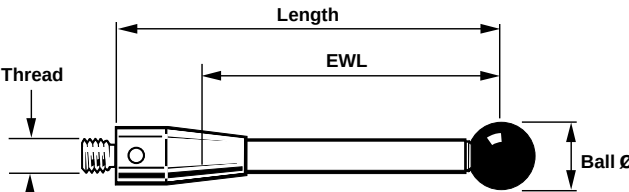


Part number	P-GA01-0001
Overall length	95 mm
Needle length	41 mm
Depth	27 mm
Width	43 mm
Range	4 to 30 gramme range with 1 gramme graduations

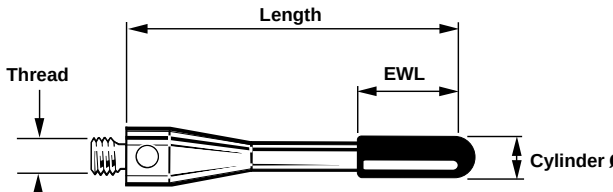
Custom stylus fax back form

Fax to: +44 (0)1453 523201

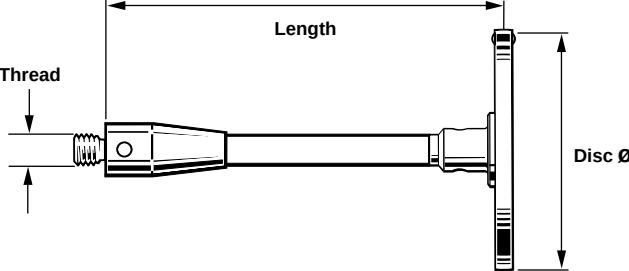
Please fill in your stylus requirements in the space provided and fax back to us. Our design team will carry out a feasibility study and present you with a solution to your application problem.



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

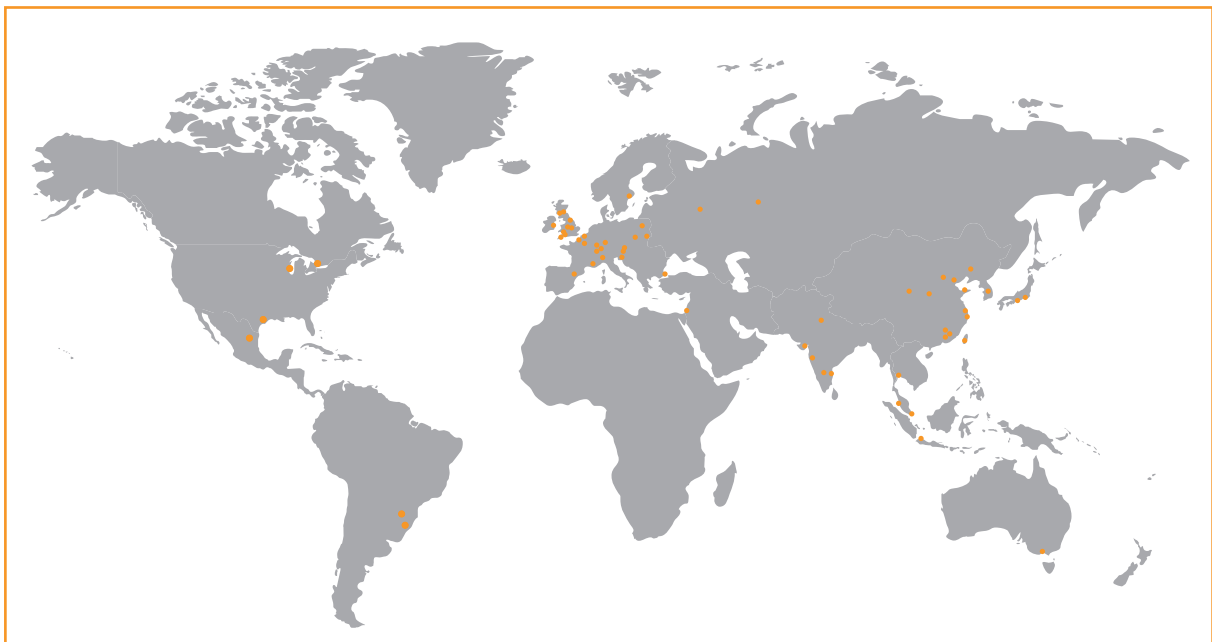
Renishaw is an established world leader in engineering technologies, with a strong history of innovation in product development and manufacturing. Since its formation in 1973, the company has supplied leading-edge products that increase process productivity, improve product quality and deliver cost-effective automation solutions.

A worldwide network of subsidiary companies and distributors provides exceptional service and support for its customers.

Products include:

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- Dental CAD/CAM scanning and milling systems.
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- Gauging systems for comparative measurement of machined parts.
- Laser and ballbar systems for performance measurement and calibration of machines.
- Medical devices for neurosurgical applications.
- Probe systems and software for job set-up, tool setting and inspection on CNC machine tools.
- Raman spectroscopy systems for non-destructive material analysis.
- Sensor systems and software for measurement on CMMs (co-ordinate measuring machines).
- Styli for CMM and machine tool probe applications.

For worldwide contact details, please visit our main website at www.renishaw.com/contact



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