

M2 styli and extensions quick reference guide*

Ruby ball / stainless steel stem

Ball diameter		1.0 (0.4)	1.5 (0.06)	2.0 (0.08)	2.5 (0.10)	3.0 (0.12)	4.0 (0.16)	5.0 (0.20)	6.0 (0.24)	8.0 (0.32)
Length	10 mm	A-5000-7806	A-5000-7802	A-5000-7807	A-5000-7803	A-5000-3604	A-5000-4154	A-5000-4155	A-5000-4156	A-5000-4158
	20 mm	–	–	A-5000-3603	A-5000-7804	A-5000-4160	A-5000-4161	–	–	–

Ruby ball / tungsten carbide stem

Ball diameter		0.3 (0.012)	0.5 (0.020)	0.7 (0.028)	1.0 (0.04)	1.5 (0.06)	2.0 (0.08)	2.5 (0.10)	3.0 (0.12)	4.0 (0.16)	5.0 (0.20)
Length	10 mm	A-5000-7800	A-5000-7805	A-5000-7801	A-5003-1325	–	–	–	–	–	–
	20 mm	–	A-5003-1345	A-5003-0577	SEE DRAWING	A-5003-0034	A-5003-3822	A-5003-1896	A-5003-0938	A-5003-1029	A-5003-0046
	30 mm	–	–	–	A-5000-8663	A-5003-0035	A-5003-0036	A-5003-0038	A-5003-0040	A-5003-0043	A-5003-0047
	40 mm	–	–	–	–	–	A-5003-0037	A-5003-0039	A-5003-0041	A-5003-0044	A-5003-0048
	50 mm	–	–	–	–	–	–	–	A-5003-0042	A-5003-0045	A-5003-0049

Ruby ball / ceramic stem

Ball diameter		3.0 (0.12)	4.0 (0.16)	5.0 (0.20)	6.0 (0.24)
Length	30 mm	A-5003-4177	A-5003-1370	A-5003-4779	A-5003-4780
	50 mm	A-5003-0064	A-5003-0065	A-5003-0066	A-5003-0470

Ruby ball / carbon fibre stem

Ball diameter		4.0 (0.16)	5.0 (0.20)	6.0 (0.24)
Length	30 mm	A-5003-4241	A-5003-4781	A-5003-4782
	50 mm	A-5003-2285	A-5003-2286	A-5003-2287
	75 mm	A-5003-4784	A-5003-4785	A-5003-4786
	100 mm	A-5003-2289	A-5003-2290	A-5003-2291

Stylus extensions

Length	5.0 (0.20)	10.0 (0.40)	20.0 (0.79)	30.0 (1.19)	40.0 (1.58)	50.0 (1.97)	70.0 (2.76)	90.0 (3.55)
Stainless steel	A-5004-7610	A-5004-7585	A-5004-7586	A-5004-7591	A-5004-7611	–	–	–
Ceramic	–	–	–	A-5003-0070	A-5003-0071	A-5003-0072	–	–
Carbon fibre	–	–	–	–	A-5003-2280	A-5003-2281	A-5003-2282	A-5003-2283

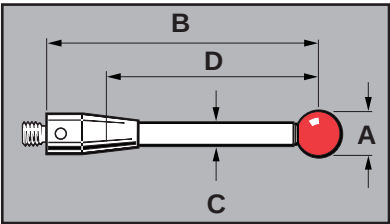
* These are a selection of the most popular styli

Ruby ball styli (ceramic stems)

Ball material		Part number			
Ruby		A-5003-4177	A-5003-1370	A-5003-4779	A-5003-4780
Silicon nitride		A-5004-1946	A-5004-1952	A-5004-1953	A-5004-1954
Zirconia		A-5004-2931	A-5004-2932	A-5004-2933	A-5004-2934
A	Ball dia. mm (in.)	3.0 (0.12)	4.0 (0.16)	5.0 (0.20)	6.0 (0.24)
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.)	2.0 (0.08)	2.0 (0.08)	2.5 (0.10)	2.5 (0.10)
D	EWL* mm (in.)	27.0 (1.06)	30.0 (1.19)	30.0 (1.19)	30.0 (1.19)
	Mass grammes	0.44	0.68	0.93	1.11
30 mm range					

Ruby ball styli (carbon fibre stems)

Ball material		Part number		
Ruby		A-5003-4241	A-5003-4781	A-5003-4782
Silicon nitride		A-5004-1955	A-5004-1956	A-5004-1957
Zirconia		A-5004-2935	A-5004-2936	A-5004-0618
A	Ball dia. mm (in.)	4.0 (0.16)	5.0 (0.20)	6.0 (0.24)
B	Length mm (in.)	30.0 (1.19)	30.0 (1.19)	30.0 (1.19)
C	Stem dia. mm (in.)	2.0 (0.08)	3.0 (0.12)	3.0 (0.12)
D	EWL* mm (in.)	30.0 (1.19)	30.0 (1.19)	30.0 (1.19)
	Mass grammes	0.57	0.79	0.96
30 mm range				



Styli and accessories

Part no.	PS no	Description	Thread	Component	Ball/tip size (mm)	Ball/tip Material	Length (mm)	Stem material	EWL (mm)	Mass (g)	Section no.
A-5003-4011	-	M2 STR D0.5 4BALL L7.5 S10	M2	Star	0.5	Ruby	7.5	Stainless steel	-	0.7	3.11
A-5003-4177	-	M2 STY D3R L30 EWL27 d2CE	M2	Ball stylus	3.0	Ruby	30.0	Ceramic	27.0	0.44	3.4
A-5003-4241	-	M2 STY D4R L30 EWL30 d2CF	M2	Ball stylus	4.0	Ruby	30.0	Carbon fibre	30.0	0.57	3.4
A-5003-4686	-	M3 ACC KNUCKLE ROTARY	M3	Accessory	-	-	17.0	Stainless steel	-	1.5	8.2
A-5003-4689	-	M4 ACC KNUCKLE ROTARY	M4	Accessory	-	-	33.0	Stainless steel	-	9.8	8.2
A-5003-4697	-	M2 ACC KNUCKLE	M2	Accessory	-	-	13.5	Stainless steel	-	1.1	8.2
A-5003-4779	-	M2 STY D5R L30 EWL30 d2.5CE	M2	Ball stylus	5.0	Ruby	30.0	Ceramic	30.0	0.93	3.4
A-5003-4780	-	M2 STY D6R L30 EWL30 d2.5CE	M2	Ball stylus	6.0	Ruby	30.0	Ceramic	30.0	1.11	3.4
A-5003-4781	-	M2 STY D5R L30 EWL30 d3CF	M2	Ball stylus	5.0	Ruby	30.0	Carbon fibre	30.0	0.79	3.4
A-5003-4782	-	M2 STY D6R L30 EWL30 d3CF	M2	Ball stylus	6.0	Ruby	30.0	Carbon fibre	30.0	0.96	3.4
A-5003-4784	-	M2 STY D4R L75 EWL75 d2CF	M2	Ball stylus	4.0	Ruby	75.0	Carbon fibre	75.0	0.75	3.7
A-5003-4785	-	M2 STY D5R L75 EWL75 d3CF	M2	Ball stylus	5.0	Ruby	75.0	Carbon fibre	75.0	1.35	3.7
A-5003-4786	-	M2 STY D6R L75 EWL75 d3CF	M2	Ball stylus	6.0	Ruby	75.0	Carbon fibre	75.0	1.45	3.7
A-5003-4787	-	M2 STR D0.5 4BALL L7.5 S20	M2	Star	0.5	Ruby	7.5	Stainless steel	-	0.7	3.11
A-5003-4788	-	M2 STR D1 4BALL L7.5 S20	M2	Star	1.0	Ruby	7.5	Stainless steel	-	0.9	3.11
A-5003-4789	-	M2 STC D1R L8.5 EWL3.5 d0.7TC	M2	Star centre	1.0	Ruby	8.5	Tungsten carbide	3.5	0.31	3.11
A-5003-4790	-	M2 STC D0.5R L18.5 EWL7 d0.4TC	M2	Star centre	0.5	Ruby	18.5	Tungsten carbide	7.0	0.43	3.11
A-5003-4791	-	M2 STC D1R L18.5 EWL11 d0.7TC	M2	Star centre	1.0	Ruby	18.5	Tungsten carbide	4.0	0.45	3.11
A-5003-4792	-	M4 STY D1R L20 EWL10 d0.7TC	M4	Ball stylus	1.0	Ruby	20.0	Tungsten carbide	10.0	2.39	5.2
A-5003-4793	-	M4 STY D3R L20 EWL8.5 d1.5TC	M4	Ball stylus	3.0	Ruby	20.0	Tungsten carbide	8.5	3.53	5.2
A-5003-4794	-	M4 STY D4R L20 EWL8.5 d1.5TC	M4	Ball stylus	4.0	Ruby	20.0	Tungsten carbide	8.5	3.53	5.2
A-5003-4795	-	M4 STY D5R L20 EWL7.9 d2.5TC	M4	Ball stylus	5.0	Ruby	20.0	Tungsten carbide	7.9	4.52	5.2
A-5003-4796	-	M4 STY D6R L20 EWL10.7 d2.5TC	M4	Ball stylus	6.0	Ruby	20.0	Tungsten carbide	10.7	4.66	5.2
A-5003-4797	-	M4 STY D2R L50 EWL40 d1.5TC	M4	Ball stylus	2.0	Ruby	50.0	Tungsten carbide	40.0	3.80	5.3
A-5003-4799	-	M4 STY D4R L50 EWL38.5 d2.0TC	M4	Ball stylus	4.0	Ruby	50.0	Tungsten carbide	38.5	4.99	5.3
A-5003-4800	-	M4 STY D5R L50 EWL36 d2.5TC	M4	Ball stylus	5.0	Ruby	50.0	Tungsten carbide	37.9	6.72	5.3
A-5003-4801	-	M4 STY D6R L50 EWL40.7 d2.5TC	M4	Ball stylus	6.0	Ruby	50.0	Tungsten carbide	40.7	6.86	5.3
A-5003-4802	-	M4 STY D8R L75 EWL75 d4.5CE	M4	Ball stylus	8.0	Ruby	75.0	Ceramic	75.0	6.20	5.3
A-5003-4860	-	M3 STY D6R L75 EWL75 d4CF	M3	Ball stylus	6.0	Ruby	75.0	Carbon fibre	75.0	2.40	4.5
A-5003-4861	-	M3 STY D6R L100 EWL100 d4CF	M3	Ball stylus	6.0	Ruby	100.0	Carbon fibre	100.0	2.89	4.5
A-5003-4862	-	M3 STY D8R L75 EWL75 d4CF	M3	Ball stylus	8.0	Ruby	75.0	Carbon fibre	75.0	2.98	4.5
A-5003-4863	-	M3 STY D8R L100 EWL100 d4CF	M3	Ball stylus	8.0	Ruby	100.0	Carbon fibre	100.0	3.47	4.5
A-5003-4864	-	M3 EXT L75 d4CF	M3	Extension	-	-	75.0	Carbon fibre	-	2.53	4.7
A-5003-4865	-	M3 EXT L100 d4CF	M3	Extension	-	-	100.0	Carbon fibre	-	3.02	4.7
A-5003-5061	-	M3 STY D4SN L21 EWL17.2 d2.5SS	M3	Ball stylus	4.0	Silicon nitride	21.0	Stainless steel	17.2	1.3	4.2
A-5003-5201	-	M5 STY D0.3R L20 EWL3 d0.2TC	M5	Ball stylus	0.3	Ruby	20.0	Tungsten carbide	3.0	6.5	6.2
A-5003-5202	-	M5 STY D0.5R L20 EWL4 d0.4TC	M5	Ball stylus	0.5	Ruby	20.0	Tungsten carbide	4.0	6.5	6.2
A-5003-5203	-	M5 STY D0.7R L20 EWL5 d0.5TC	M5	Ball stylus	0.7	Ruby	20.0	Tungsten carbide	5.0	6.5	6.2
A-5003-5204	-	M5 STY D1R L20 EWL5 d0.7TC	M5	Ball stylus	1.0	Ruby	20.0	Tungsten carbide	5.0	6.52	6.3
A-5003-5205	-	M5 STY D1.5R L20 EWL11 d1TC	M5	Ball stylus	1.5	Ruby	20.0	Tungsten carbide	11.0	4.68	6.3
A-5003-5206	-	M5 STY D2R L20 EWL11 d1TC	M5	Ball stylus	2.0	Ruby	20.0	Tungsten carbide	11.0	4.70	6.3
A-5003-5207	-	M5 STY D2.5R L20 EWL11 d1.5TC	M5	Ball stylus	2.5	Ruby	20.0	Tungsten carbide	11.0	4.84	6.3
A-5003-5208	-	M5 STY D3R L20 EWL11 d2TC	M5	Ball stylus	3.0	Ruby	20.0	Tungsten carbide	11.0	5.12	6.3
A-5003-5209	-	M5 STY D4R L20 EWL11.9 d2TC	M5	Ball stylus	4.0	Ruby	20.0	Tungsten carbide	11.9	5.19	6.3
A-5003-5210	-	M5 STY D5R L20 EWL11.5 d3TC	M5	Ball stylus	5.0	Ruby	20.0	Tungsten carbide	11.5	6.06	6.3
A-5003-5211	-	M5 STY D0.3R L30 EWL3 d0.2TC	M5	Ball stylus	0.3	Ruby	30.0	Tungsten carbide	3.0	8.95	6.2
A-5003-5212	-	M5 STY D0.5R L30 EWL4 d0.4TC	M5	Ball stylus	0.5	ruby	30.0	Tungsten carbide	4.0	8.95	6.2
A-5003-5213	-	M5 STY D0.7R L30 EWL5 d0.5TC	M5	Ball stylus	0.7	Ruby	30.0	Tungsten carbide	5.0	8.98	6.2
A-5003-5214	-	M5 STY D1R L30 EWL5 d0.7TC	M5	Ball stylus	1.0	Ruby	30.0	Tungsten carbide	5.0	9.01	6.3
A-5003-5215	-	M5 STY D1.5R L30 EWL12 d1TC	M5	Ball stylus	1.5	Ruby	30.0	Tungsten carbide	12.0	7.28	6.3
A-5003-5216	-	M5 STY D2R L30 EWL21 d1TC	M5	Ball stylus	2.0	Ruby	30.0	Tungsten carbide	21.0	4.81	6.3
A-5003-5217	-	M5 STY D2.5R L30 EWL21 d1.5TC	M5	Ball stylus	2.5	Ruby	30.0	Tungsten carbide	21.0	5.14	6.3
A-5003-5218	-	M5 STY D3R L30 EWL21 d2TC	M5	Ball stylus	3.0	Ruby	30.0	Tungsten carbide	21.0	5.58	6.3
A-5003-5219	-	M5 STY D4R L30 EWL21.9 d2TC	M5	Ball stylus	4.0	Ruby	30.0	Tungsten carbide	21.9	5.64	6.3
A-5003-5220	-	M5 STY D5R L30 EWL21.5 d3TC	M5	Ball stylus	5.0	Ruby	30.0	Tungsten carbide	21.5	7.10	6.3
A-5003-5221	-	M5 STY D1.5R L40 EWL22 d1TC	M5	Ball stylus	1.5	Ruby	40.0	Tungsten carbide	22.0	7.39	6.3
A-5003-5222	-	M5 STY D2R L40 EWL31 d1TC	M5	Ball stylus	2.0	Ruby	40.0	Tungsten carbide	31.0	4.93	6.3
A-5003-5223	-	M5 STY D2.5R L40 EWL31 d1.5TC	M5	Ball stylus	2.5	Ruby	40.0	Tungsten carbide	31.0	5.40	6.3
A-5003-5224	-	M5 STY D3R L40 EWL31 d2TC	M5	Ball stylus	3.0	Ruby	40.0	Tungsten carbide	31.0	6.04	6.3
A-5003-5225	-	M5 STY D0.3R L50 EWL3 d0.2TC	M5	Ball stylus	0.3	Ruby	50.0	Tungsten carbide	3.0	15.79	6.2