



PRODUCT CATALOG

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August 2023

About This Catalog



This catalog contains part numbers and descriptions for our CMM and machine tool tooling. To determine the correct thread size for your probe system, measure the threads on an existing stylus. The diameter in millimeters, rounded to the nearest whole number, is the thread size. In other words, 2.0 mm diameter is M2, 3.0 mm is M3, 4.0 mm is M4, and 5.0 mm is M5.

IMPORTANT NOTES

1. Unless otherwise noted, all dimensions are in millimeters. All weights are in grams.
2. For best results, use a stylus with the largest sphere and shortest stem possible.
3. BEFORE MEASURING, ALWAYS MAKE CERTAIN THAT THE STYLUS CALIBRATION VALUES ARE SATISFACTORY. TEST THE PERFORMANCE OF YOUR PROBE AND STYLUS CONFIGURATION ON A CALIBRATED RING GAGE OR GAGE BLOCK.

STYLUS REPAIR

We can repair a lost or broken sphere on any Q-Mark stylus if the stem isn't damaged. Simply return the part to us along with your contact information. We'll inspect the part and send you a quotation for the cost of repair. Most repairs are completed and shipped within one or two days after receipt of your instructions. Chipped or worn spheres can't be repaired.

PART NUMBER SUFFIXES

-A = aluminum	-L = anodized aluminum base
-B = ruby cylinder	-R = ruby
-BC = carbide cylinder	-S = stainless steel
-C = carbide or ceramic	-SN = silicon nitride
-CYL = stainless steel cylinder	-T = tapered or titanium
-D = diamond	-TT = titanium
-DS = stem diameter	-TX = Therm-X™ titanium technology
-G = carbon fiber	-WF = wrench flats for tightening
	-Z = zirconia

HOURS AND DAYS OF OPERATION

Q-Mark is open from 7:30 AM to 4:00 PM Pacific Time, Monday through Friday.
We are closed on most US holidays.

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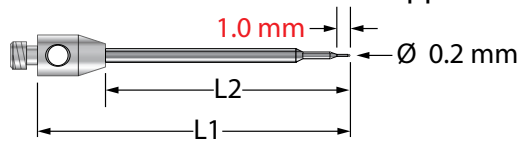
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M2 Threads

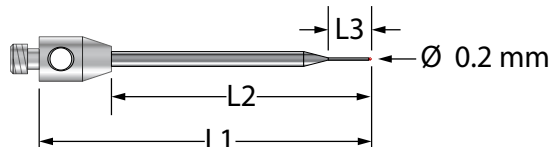
0.2 mm carbide ball with stepped carbide stem



M2 stylus with 0.2 mm diameter carbide ball, stepped carbide stem, and 3.0 mm diameter stainless steel base. Minor stem diameter is 0.17 mm, intermediate diameter is 0.5 mm, and major diameter is 1.0 mm.

Part Number	L1	L2	Wt
TM2-0210-C	10.0	5.0	0.24
TM2-0215-C	15.0	10.0	0.27
TM2-0218-C	18.0	13.0	0.29
TM2-0220-C	20.0	15.0	0.32

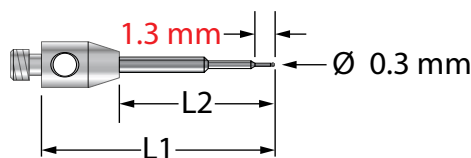
0.2 mm ruby ball with tapered carbide stem



M2 stylus with 0.2 mm diameter ruby ball, tapered carbide stem, and 3.0 mm diameter stainless steel base. Minor stem diameter is 0.15 mm* and major diameter is 1.0 mm. *Note: minor stem diameter on TM2-0223-R is 0.10 mm.

Part Number	L1	L2	L3	Wt
TM2-0210-R	10.0	5.0	2.0	0.21
TM2-0215-R	15.0	10.0	2.0	0.23
TM2-0218-R	18.0	13.0	2.0	0.28
TM2-0220-R	20.0	15.0	2.0	0.30
TM2-0223-R	23.0	15.0	1.3	0.33

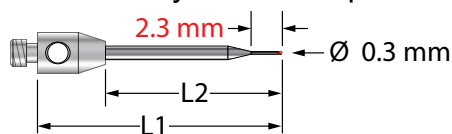
0.3 mm carbide ball with stepped carbide stem



M2 stylus with 0.3 mm diameter carbide ball, stepped carbide stem, and 3.0 mm diameter stainless steel base. Minor stem diameter is 0.2 mm, intermediate diameter is 0.5 mm, and major diameter is 1.0 mm.

Part Number	L1	L2	Wt
TM2-0310-C	10.0	5.0	0.24
TM2-0313-C	13.0	8.0	0.27
TM2-0315-C	15.0	10.0	0.29
TM2-0318-C	18.0	13.0	0.32
TM2-0319-C	19.0	14.0	0.33
TM2-0320-C	20.0	15.0	0.34

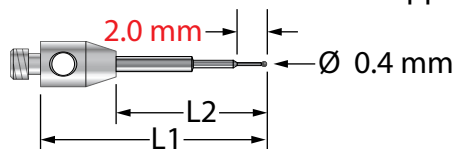
0.3 mm ruby ball with tapered carbide stem



M2 stylus with 0.3 mm diameter ruby ball, tapered carbide stem, and 3.0 mm diameter stainless steel base. Minor stem diameter is 0.2 mm and major diameter is 1.0 mm.

Part Number	L1	L2	Wt
TM2-0310-R	10.0	5.0	0.21
TM2-0318-R	18.0	13.0	0.30
TM2-0320-R	20.0	15.0	0.33
TM2-0323-R	23.0	13.0	0.35

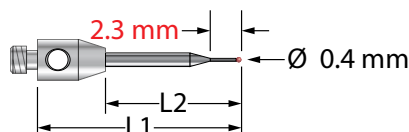
0.4 mm carbide ball with stepped carbide stem



M2 stylus with 0.4 mm diameter carbide ball, stepped carbide stem, and 3.0 mm diameter stainless steel base. Minor stem diameter is 0.25 mm, intermediate diameter is 0.5 mm, major diameter is 1.0 mm.

Part Number	L1	L2	Wt
TM2-0410-C	10.0	5.0	0.21
TM2-0415-C	15.0	10.0	0.26
TM2-0418-C	18.0	13.0	0.29

0.4 mm ruby or silicon nitride ball with tapered carbide stem



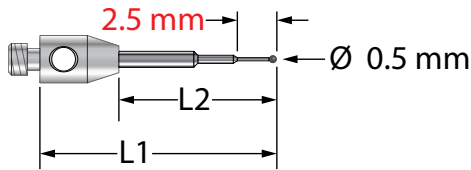
M2 stylus with 0.4 mm diameter ruby ball, tapered carbide stem, and 3.0 mm diameter stainless steel base. Minor stem diameter is 0.3 mm and major diameter is 1.0 mm.

Part Number	L1	L2	Wt
TM2-0410	10.0	5.0	0.21
TM2-0418	18.0	13.0	0.29
TM2-0419	19.0	14.0	0.30



M2 Threads

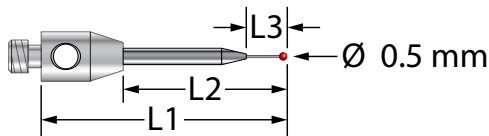
0.5 mm carbide ball with stepped carbide stem



M2 stylus with 0.5 mm diameter carbide ball, stepped carbide stem, and 3.0 mm diameter stainless steel base. Minor stem diameter is 0.3 mm, intermediate diameter is 0.6 mm, major diameter is 1.0 mm.

Part Number	L1	L2	Wt
TM2-0510-C	10.0	5.0	0.22
TM2-0513-C	13.0	8.0	0.25
TM2-0515-C	15.0	10.0	0.27
TM2-0518-C	18.0	13.0	0.30
TM2-0520-C	20.0	15.0	0.33

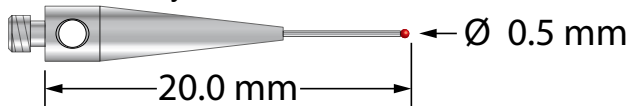
0.5 mm ruby or silicon nitride ball with tapered carbide stem



M2 stylus with 0.5 mm diameter ruby or silicon nitride ball, tapered carbide stem, and 3.0 mm diameter stainless steel base. Minor stem diameter is 0.3 mm*, major diameter is 1.0 mm. *Note: minor stem diameter is 0.4 mm on part number TM2-0510.25.

Part Number	L1	L2	L3	Wt
TM2-0510	10.0	5.0	2.5	0.31
TM2-0510.25	10.25	4.25	3.25	0.31
TM2-0518	18.0	13.0	2.5	0.32
TM2-0519	19.0	14.0	2.5	0.32
TM2-0520	20.0	15.0	2.5	0.33

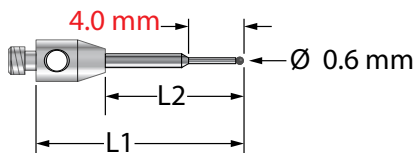
0.5 mm ruby or silicon nitride ball with 0.3 mm carbide stem



M2 stylus with 0.5 mm diameter ball, 0.3 mm diameter carbide stem, and 3.0 mm diameter x 13.0 mm long stainless steel base.

Part Number	L	Wt
TM2-0520-07	20.0	0.30

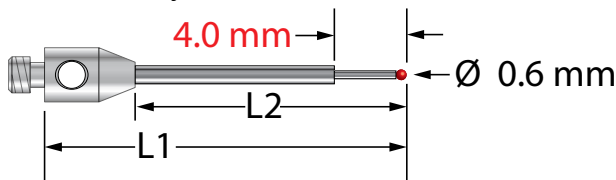
0.6 mm carbide ball with stepped carbide stem



M2 stylus with 0.6 mm diameter carbide ball, stepped carbide stem, and 3.0 mm diameter stainless steel base. Minor stem diameter is 0.4 mm, major diameter is 1.0 mm.

Part Number	L1	L2	Wt
TM2-0610-C	10.0	5.0	0.25
TM2-0615-C	15.0	10.0	0.31
TM2-0618-C	18.0	13.0	0.34
TM2-0620-C	20.0	15.0	0.36
TM2-0630-C	30.0	22.0	0.47

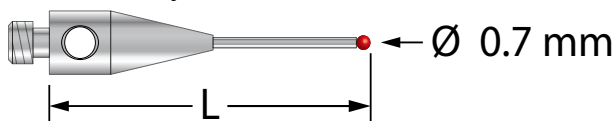
0.6 mm ruby, silicon nitride, or zirconia ball with stepped carbide stem



M2 stylus with 0.6 mm diameter ruby ball, stepped carbide stem, and 3.0 mm diameter stainless steel base. Minor stem diameter is 0.4 mm, major diameter is 1.0 mm.

Part Number	L1	L2	Wt
TM2-0610	10.0	5.0	0.26
TM2-0615	15.0	10.0	0.31
TM2-0618	18.0	13.0	0.35
TM2-0620	20.0	15.0	0.37

0.7 mm ruby ball with 0.5 mm carbide stem



M2 stylus with 0.7 mm diameter ruby ball, 0.5 mm diameter carbide stem, and 3.0 mm diameter x 8.0 mm long stainless steel base.

Part Number	L	Wt
TM2-0710	10.0	0.24
TM2-0720.35	20.35	0.30

For a silicon nitride ball, add -SN to the end of the part number.

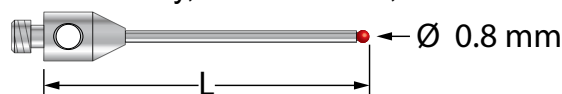
For a zirconia ball, add -Z to the end of the part number.



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M2 Threads

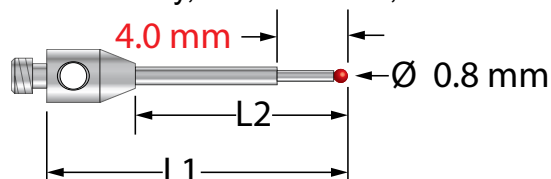
0.8 mm ruby, silicon nitride, or zirconia ball with 0.7 mm carbide stem



M2 stylus with 0.8 mm diameter ruby ball, 0.7 mm diameter carbide stem, and 3.0 mm diameter x 5.0 mm long stainless steel base.

Part Number	L	Wt
TM2-0820-DS.7	20.0	0.30
TM2-0825-DS.7	25.0	0.33

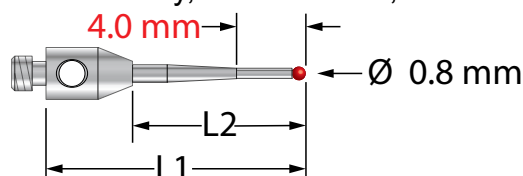
0.8 mm ruby, silicon nitride, or zirconia ball with stepped carbide stem



M2 stylus with 0.8 mm diameter ruby ball, stepped carbide stem, and 3.0 mm diameter stainless steel base. Minor stem diameter is 0.6 mm, major diameter is 1.0 mm.

Part Number	L1	L2	Wt
TM2-0812	12.0	7.0	0.32
TM2-0815	15.0	10.0	0.34
TM2-0818	18.0	13.0	0.38
TM2-0820	20.0	15.0	0.40
TM2-0830	30.0	22.0	0.55

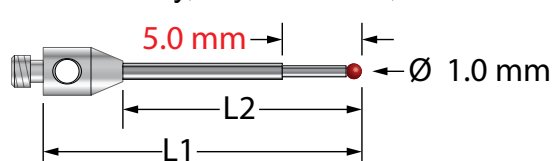
0.8 mm ruby, silicon nitride, or zirconia ball with tapered carbide stem



M2 stylus with 0.8 mm diameter ruby ball, tapered carbide stem, and 3.0 mm diameter stainless steel base. Minor stem diameter is 0.6 mm, major diameter is 1.0 mm.

Part Number	L1	L2	Wt
TM2-0812-T	12.0	7.0	0.32
TM2-0815-T	15.0	10.0	0.35
TM2-0818-T	18.0	13.0	0.38
TM2-0820-T	20.0	15.0	0.40

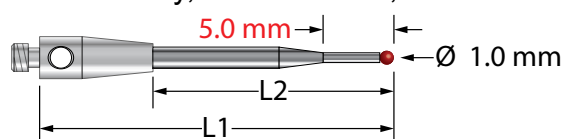
1.0 mm ruby, silicon nitride, or zirconia ball with stepped carbide stem



M2 stylus with 1.0 mm diameter ruby ball, stepped carbide stem, and 3.0 mm diameter stainless steel base. Minor stem diameter is 0.7 mm, major diameter is 1.5 mm.

Part Number	L1	L2	Wt
TM2-1015.5	15.5	10.5	0.32
TM2-1020	20.0	15.0	0.41
TM2-1025	25.0	20.0	0.47
TM2-1027	27.0	19.0	0.49
TM2-1030	30.0	22.0	0.52

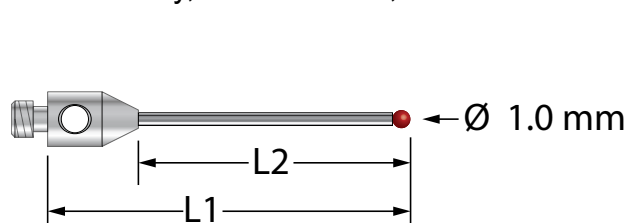
1.0 mm ruby, silicon nitride, or zirconia ball with tapered carbide stem



M2 stylus with 1.0 mm diameter ruby ball, stepped carbide stem, and 3.0 mm diameter stainless steel base. Minor stem diameter is 0.7 mm, major diameter is 1.5 mm.

Part Number	L1	L2	Wt
TM2-1041	41.0	33.0	0.89

1.0 mm ruby, silicon nitride, or zirconia ball with 0.7 mm carbide stem



M2 stylus with 1.0 mm diameter ruby ball, 0.7 mm diameter carbide stem, and 3.0 mm diameter stainless steel base.

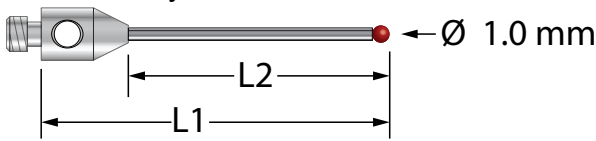
Part Number	L1	L2	Wt
TM2-1007-DS.7	7.0	2.0	0.25
TM2-1010-DS.7	10.0	5.0	0.26
TM2-1010.5-DS.7	10.5	5.5	0.26
TM2-1015-DS.7	15.0	10.0	0.29
TM2-1020-DS.7	20.0	15.0	0.32
TM2-1020.5-DS.7	20.5	15.5	0.32
TM2-1027.5-DS.7	27.5	20.5	0.40
TM2-1030-DS.7	30.0	22.0	0.42
TM2-1034-DS.7	34.0	26.0	0.47
TM2-1055-DS.7	55.0	47.0	0.59



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M2 Threads

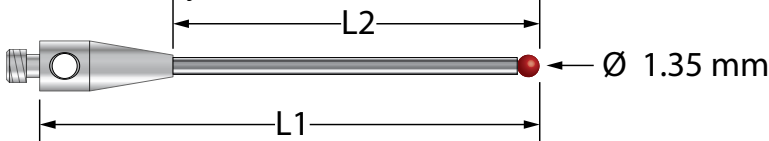
1.0 mm ruby, silicon nitride, or zirconia ball with 0.8 mm carbide stem



Part Number	L1	L2	Wt
TM2-1020-DS.8	20.0	15.0	0.42
TM2-1020.5-DS.8	20.5	12.5	0.42
TM2-1030-DS.8	30.0	22.0	0.50
TM2-1030.5-DS.8	30.5	22.5	0.50

M2 stylus with 1.0 mm diameter ruby ball, 0.8 mm diameter carbide stem, and 3.0 mm diameter stainless steel base.

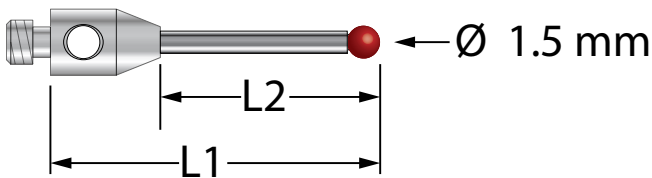
1.35 mm ruby or silicon nitride ball with 1.0 mm carbide stem



Part Number	L1	L2	Wt
TM2-1315	15.0	10.0	0.38
TM2-1320	20.0	15.0	0.44
TM2-1325	25.0	17.0	0.51
TM2-1330	30.0	22.0	0.57

M2 stylus with 1.35 mm diameter ruby ball, 1.0 mm diameter carbide stem, and 3.0 mm diameter stainless steel base.

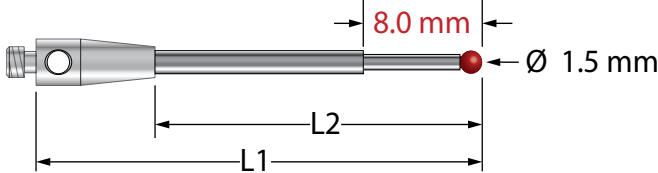
1.5 mm ruby, silicon nitride, or zirconia ball with 1.0 mm carbide stem



Part Number	L1	L2	Wt
TM2-1510	10.0	5.0	0.29
TM2-1515	15.0	10.0	0.35
TM2-1520	20.0	15.0	0.40
TM2-1520.75	20.75	13.75	0.41
TM2-1525	25.0	17.0	0.46
TM2-1530.75-DS1	30.75	22.75	0.56
TM2-1535-DS1	35.0	27.0	0.61

M2 stylus with 1.5 mm diameter ball, 1.0 mm diameter carbide stem, and 3.0 mm diameter stainless steel base.

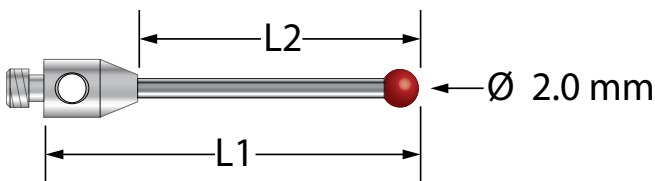
1.5 mm ruby, silicon nitride, or zirconia ball with stepped carbide stem



Part Number	L1	L2	Wt
TM2-1530	30.0	22.0	0.92
TM2-1540	40.0	32.0	1.17

M2 stylus with 1.5 mm diameter ball, stepped carbide stem, and 3.0 mm diameter stainless steel base. Minor stem diameter is 1.0 mm, major diameter is 1.5 mm.

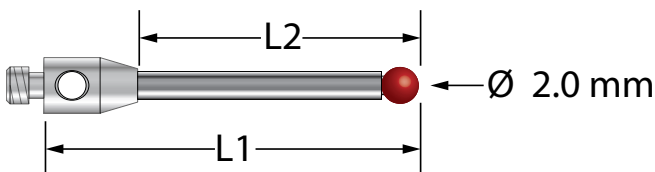
2.0 mm ruby, silicon nitride, or zirconia ball with 1.0 mm carbide stem



Part Number	L1	L2	Wt
TM2-2010	10.0	5.0	0.30
TM2-2015	15.0	10.0	0.36
TM2-2020	20.0	15.0	0.42
TM2-2021	21.0	15.0	0.43
TM2-2025	25.0	20.0	0.46
TM2-2031-DS1	31.0	23.0	0.61
TM2-2040-DS1	40.0	32.0	0.70

M2 stylus with 2.0 mm diameter ball, 1.0 mm diameter carbide stem, and 3.0 mm diameter stainless steel base.

2.0 mm ruby, silicon nitride, or zirconia ball with 1.5 mm carbide stem



Part Number	L1	L2	Wt
TM2-2030	30.0	23.0	0.90
TM2-2031	31.0	24.0	0.99
TM2-2035	35.0	28.0	1.04
TM2-2040	40.0	33.0	1.17
TM2-2041	41.0	34.0	1.20
TM2-2050	50.0	43.0	1.42
TM2-2060	60.0	53.0	1.69
TM2-2070	70.0	63.0	1.96

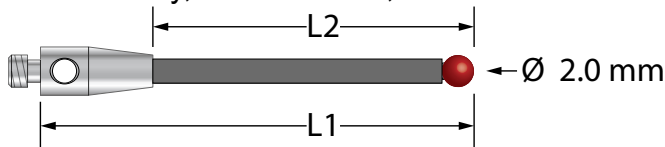
M2 stylus with 2.0 mm diameter ball, 1.5 mm diameter carbide stem, and 3.0 mm diameter stainless steel base.



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M2 Threads

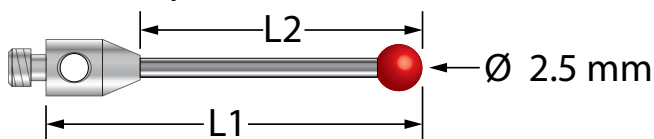
2.0 mm ruby, silicon nitride, or zirconia ball with 1.5 mm carbon fiber stem



Part Number	L1	L2	Wt
TM2-2050-G	50.0	43.0	0.39
TM2-2070-G	70.0	63.0	0.44

M2 stylus with 2.0 mm diameter ball, 1.5 mm diameter carbon fiber stem, and 3.0 mm diameter stainless steel base.

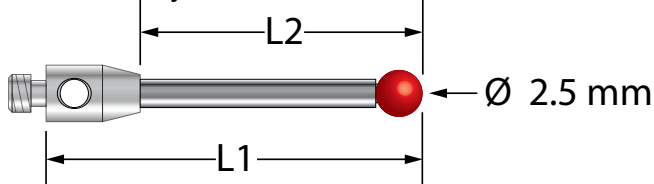
2.5 mm ruby, silicon nitride, or zirconia ball with 1.0 mm carbide stem



Part Number	L1	L2	Wt
TM2-2521.25-DS1	21.25	16.25	0.48

M2 stylus with 2.5 mm diameter ball, 1.0 mm diameter carbide stem, and 3.0 mm diameter stainless steel base.

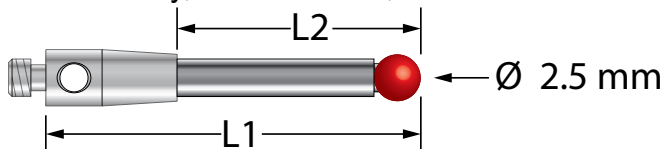
2.5 mm ruby, silicon nitride, or zirconia ball with 1.5 mm carbide stem



Part Number	L1	L2	Wt
TM2-2510	10.0	5.0	0.38
TM2-2520	20.0	15.0	0.63
TM2-2530	30.0	23.0	0.88
TM2-2540	40.0	33.0	1.18
TM2-2550	50.0	43.0	1.43

M2 stylus with 2.5 mm diameter ball, 1.5 mm diameter carbide stem, and 3.0 mm diameter stainless steel base.

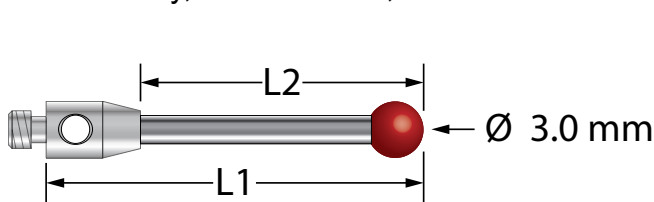
2.5 mm ruby, silicon nitride, or zirconia ball with 2.0 mm carbide stem



Part Number	L1	L2	Wt
TM2-2531.25-DS2	31.25	24.25	1.44
TM2-2541.25-DS2	41.25	34.25	1.89

M2 stylus with 2.5 mm diameter ball, 2.0 mm diameter carbide stem, and 3.0 mm diameter stainless steel base.

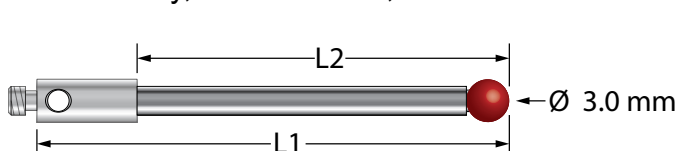
3.0 mm ruby, silicon nitride, or zirconia ball with 1.5 mm carbide stem



Part Number	L1	L2	Wt
TM2-3010	10.0	5.0	0.32
TM2-3011.5	11.5	6.5	0.36
TM2-3020	20.0	15.0	0.57
TM2-3021.5	21.5	16.5	0.62
TM2-3024	24.0	19.0	0.67
TM2-3030	30.0	23.0	0.87
TM2-3031.5	31.5	24.5	0.90
TM2-3033	33.0	26.0	0.94

M2 stylus with 3.0 mm diameter ball, 1.5 mm diameter carbide stem, and 3.0 mm diameter stainless steel base.

3.0 mm ruby, silicon nitride, or zirconia ball with 2.0 mm carbide stem



Part Number	L1	L2	Wt
TM2-3040	40.0	33.0	1.64
TM2-3041.5	41.5	34.5	1.71
TM2-3050	50.0	43.0	2.09
TM2-3051.5	51.5	44.5	2.19
TM2-3063	63.0	56.0	2.67
TM2-3075	75.0	68.0	3.21

M2 stylus with 3.0 mm diameter ball, 2.0 mm diameter carbide stem, and 3.0 mm diameter stainless steel base.

For a silicon nitride ball, add -SN to the end of the part number.

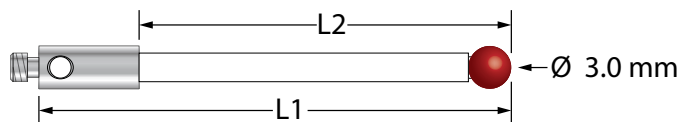
For a zirconia ball, add -Z to the end of the part number.



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M2 Threads

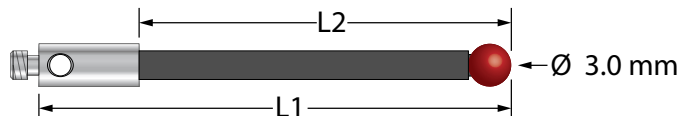
3.0 mm ruby, silicon nitride, or zirconia ball with 2.0 mm ceramic stem



Part Number	L1	L2	Wt
TM2-3031.5-C	31.5	24.5	0.65
TM2-3050-C	50.0	43.0	0.77
TM2-3051.5-C	51.5	44.5	0.79
TM2-3060-C	60.0	53.0	0.89
TM2-3070-C	70.0	63.0	1.01

M2 stylus with 3.0 mm diameter ball, 2.0 mm diameter ceramic stem, and 3.0 mm diameter stainless steel base.

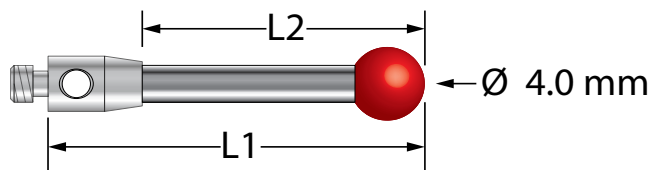
3.0 mm ruby, silicon nitride, or zirconia ball with 2.0 mm carbon fiber stem



Part Number	L1	L2	Wt
TM2-3031.5-G	31.5	24.5	0.65
TM2-3040-G	40.0	33.0	0.77
TM2-3041.5-G	41.5	34.5	0.79
TM2-3050-G	50.0	43.0	0.89

M2 stylus with 3.0 mm diameter ball, 2.0 mm carbon fiber stem, and 3.0 mm diameter stainless steel base.

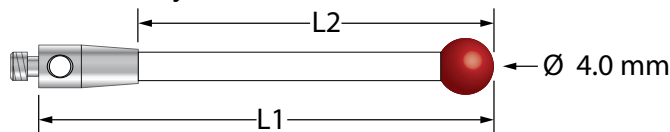
4.0 mm ruby, silicon nitride, or zirconia ball with 2.0 mm carbide stem



Part Number	L1	L2	Wt
TM2-4012	12.0	6.0	0.49
TM2-4020	20.0	15.0	0.85
TM2-4022	22.0	17.0	0.94
TM2-4025	25.0	18.0	1.03
TM2-4030	30.0	23.0	1.36
TM2-4032	32.0	25.0	1.45
TM2-4042	42.0	35.0	1.90
TM2-4050	50.0	43.0	2.23
TM2-4052	52.0	45.0	2.32

M2 stylus with 4.0 mm diameter ball, 2.0 mm diameter carbide stem, and 3.0 mm diameter stainless steel base.

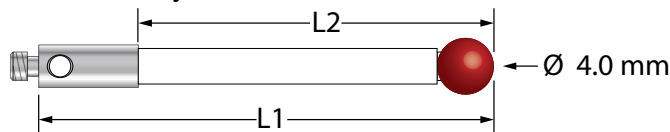
4.0 mm ruby, silicon nitride, or zirconia ball with 2.0 mm ceramic stem



Part Number	L1	L2	Wt
TM2-4032-C	32.0	25.0	0.65
TM2-4042-C	42.0	35.0	0.74
TM2-4050-C	50.0	43.0	0.84
TM2-4052-C	52.0	45.0	0.86

M2 stylus with 4.0 mm diameter ball, 2.0 mm diameter ceramic stem, and 3.0 mm diameter stainless steel base.

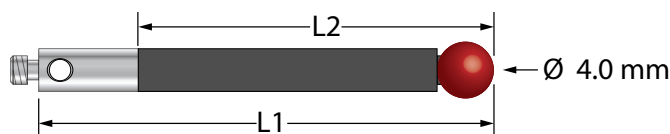
4.0 mm ruby, silicon nitride, or zirconia ball with 2.5 mm ceramic stem



Part Number	L1	L2	Wt
TM2-4060-C	60.0	53.0	1.26
TM2-4087-C	87.0	80.0	1.77
TM2-4090-C	90.0	83.0	1.83
TM2-40100-C	100.0	93.0	2.03

M2 stylus with 4.0 mm diameter ball, 2.5 mm diameter ceramic stem, and 3.0 mm diameter stainless steel base.

4.0 mm ruby, silicon nitride, or zirconia ball with 2.0 mm carbon fiber stem



Part Number	L1	L2	Wt
TM2-4077-G-DS2	77.0	70.0	0.71

M2 stylus with 4.0 mm diameter ball, 2.0 mm diameter carbon fiber stem, and 3.0 mm diameter stainless steel base.

For a silicon nitride ball, add -SN to the end of the part number.

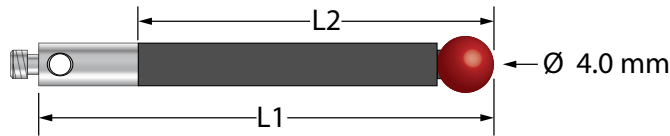
For a zirconia ball, add -Z to the end of the part number.



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M2 Threads

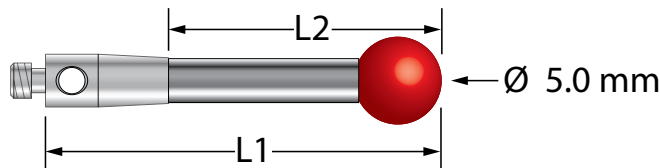
4.0 mm ruby, silicon nitride, or zirconia ball with 3.0 mm carbon fiber stem



M2 stylus with 4.0 mm diameter ball, 3.0 mm carbon fiber stem, and 3.0 mm diameter stainless steel base.

Part Number	L1	L2	Wt
TM2-4052-G	52.0	45.0	1.17
TM2-4060-G	60.0	53.0	1.26
TM2-4087-G	87.0	80.0	1.77
TM2-4090-G	90.0	83.0	1.83
TM2-40100-G	100.0	93.0	2.03
TM2-40102-G	102.0	95.0	2.05

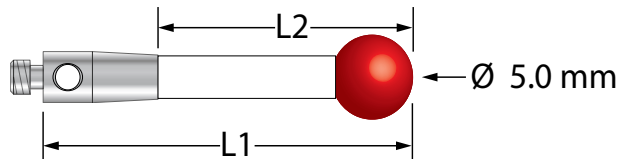
5.0 mm ruby, silicon nitride, or zirconia ball with 2.5 mm carbide stem



M2 stylus with 5.0 mm diameter ball, 2.5 mm diameter carbide stem, and 3.0 mm diameter stainless steel base.

Part Number	L1	L2	Wt
TM2-5010	10.0	5.0	0.72
TM2-5020	20.0	14.0	1.40
TM2-5022.5	22.5	16.5	1.88
TM2-5030	30.0	24.0	2.08
TM2-5032.5	32.5	26.5	2.45
TM2-5040	40.0	34.0	2.76
TM2-5042.5	42.5	36.5	3.08
TM2-5050	50.0	44.0	3.44
TM2-5052.5	52.5	46.5	3.75

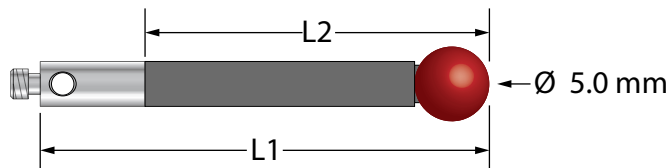
5.0 mm ruby, silicon nitride, or zirconia ball with ceramic stem



M2 stylus with 5.0 mm diameter ball, ceramic stem, and 3.0 mm diameter stainless steel base.

Part Number	L1	L2	Stem Dia	Wt
TM2-5032.5-C	32.5	26.5	2.5	0.89
TM2-5052.5-C	52.5	46.5	3.0	1.27

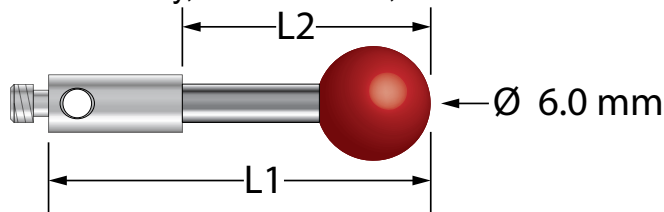
5.0 mm ruby, silicon nitride, or zirconia ball with 3.0 mm carbon fiber stem



M2 stylus with 5.0 mm diameter ball, 3.0 mm carbon fiber stem, and 3.0 mm diameter stainless steel base.

Part Number	L1	L2	Wt
TM2-5032.5-G	32.5	26.5	0.66
TM2-5050-G	50.0	44.0	0.70
TM2-5052.5-G	52.5	45.5	0.88
TM2-5070-G	70.0	63.0	0.96
TM2-5077.5-G	77.5	70.5	1.22
TM2-5080-G	80.0	73.0	1.26
TM2-50102.5-G	102.5	95.5	1.51

6.0 mm ruby, silicon nitride, or zirconia ball with 2.0 mm carbide stem



M2 stylus with 6.0 mm diameter ball, 2.0 mm diameter carbide stem, and 3.0 mm diameter stainless steel base.

Part Number	L1	L2	Wt
TM2-6013	13.0	8.0	0.94
TM2-6025	25.0	18.0	1.25
TM2-6030	30.0	23.0	1.47

For a silicon nitride ball, add -SN to the end of the part number.

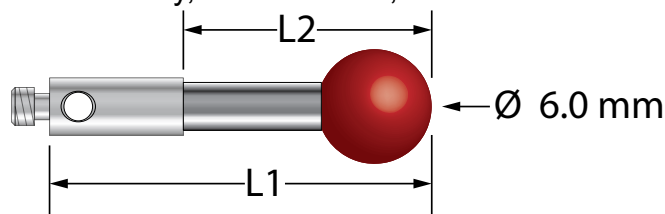
For a zirconia ball, add -Z to the end of the part number.



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M2 Threads

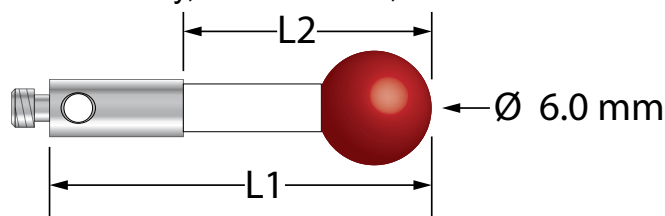
6.0 mm ruby, silicon nitride, or zirconia ball with 2.5 mm carbide stem



Part Number	L1	L2	Wt
TM2-6025-DS2.5	25.0	18.0	1.83
TM2-6030-DS2.5	30.0	23.0	2.17
TM2-6050	50.0	43.0	3.53

M2 stylus with 6.0 mm diameter ball, 2.5 mm diameter carbide stem, and 3.0 mm diameter stainless steel base.

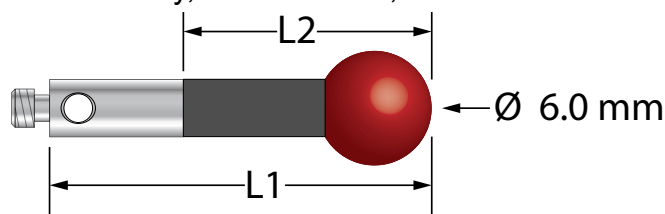
6.0 mm ruby, silicon nitride, or zirconia ball with 2.5 mm ceramic stem



Part Number	L1	L2	Wt
TM2-6033-C	33.0	26.0	1.10
TM2-6053-C	53.0	46.0	1.35

M2 stylus with 6.0 mm diameter ball, 2.5 mm diameter ceramic stem, and 3.0 mm diameter stainless steel base.

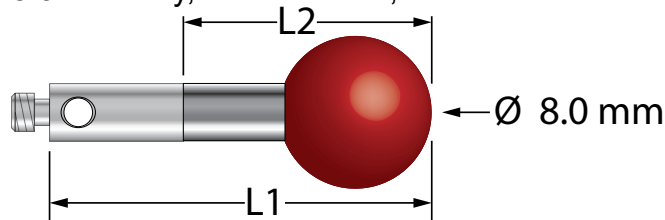
6.0 mm ruby, silicon nitride, or zirconia ball with 3.0 mm carbon fiber stem



Part Number	L1	L2	Wt
TM2-6033-G	33.0	26.0	0.87
TM2-6053-G	53.0	46.0	1.08
TM2-6060-G	60.0	53.0	1.16
TM2-6078-G	78.0	71.0	1.36
TM2-60103-G	103.0	96.0	1.63

M2 stylus with 6.0 mm diameter ball, 3.0 mm diameter carbon fiber stem, and 3.0 mm diameter stainless steel base. Stem diameter of part number TM2-6033-G is 2.5 mm.

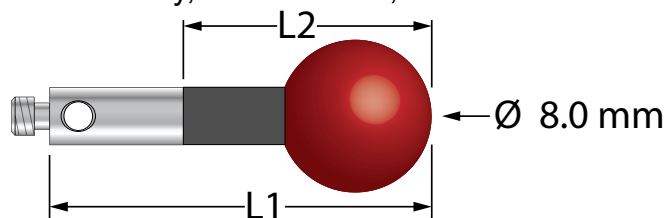
8.0 mm ruby, silicon nitride, or zirconia ball with 3.0 mm carbide stem



Part Number	L1	L2	Wt
TM2-8020	20.0	13.0	2.35
TM2-8025	25.0	18.0	2.86

M2 stylus with 8.0 mm diameter ball, 3.0 mm diameter carbide stem, and 3.0 mm diameter stainless steel base.

8.0 mm ruby, silicon nitride, or zirconia ball with 3.0 mm carbon fiber stem



Part Number	L1	L2	Wt
TM2-8050-G	50.0	43.0	1.56
TM2-8060-G	60.0	53.0	1.67
TM2-80104-G	104.0	97.0	2.15

M2 stylus with 8.0 mm diameter ball, 3.0 mm diameter carbon fiber stem, and 3.0 mm diameter stainless steel base.

For a silicon nitride ball, add -SN to the end of the part number.

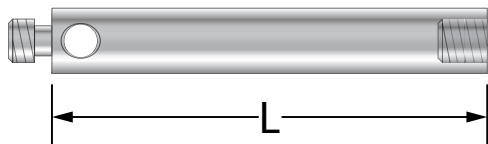
For a zirconia ball, add -Z to the end of the part number.



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M2 Threads

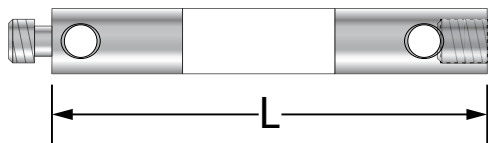
M2 extensions, stainless steel



Part Number	L	Wt
VM2-5	5.0	0.20
VM2-7	7.0	0.28
VM2-10	10.0	0.46
VM2-15	15.0	0.73
VM2-20	20.0	1.00
VM2-25	25.0	1.26
VM2-30	30.0	1.53
VM2-35	35.0	1.80
VM2-40	40.0	2.07
VM2-50	50.0	2.60
VM2-60	60.0	3.14
VM2-75	75.0	3.94
VM2-90	90.0	4.74
VM2-100	100.0	5.28
VM2-110	110.0	5.82

M2 extension, 3.0 mm diameter. Stainless steel.

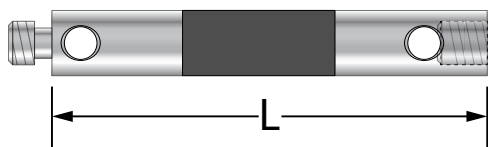
M2 extensions, ceramic and stainless steel



Part Number	L	Wt
VM2-20-C	20.0	0.51
VM2-30-C	30.0	0.71
VM2-40-C	40.0	0.92
VM2-50-C	50.0	1.13
VM2-60-C	60.0	1.35
VM2-80-C	80.0	1.78
VM2-100-C	100.0	2.20

M2 extension, 3.0 mm diameter. Ceramic with stainless steel end fittings.

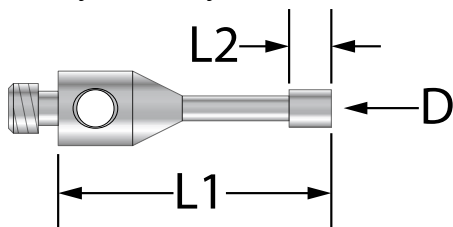
M2 extensions, carbon fiber and stainless steel



Part Number	L	Wt
VM2-20-G	20.0	0.43
VM2-30-G	30.0	0.49
VM2-40-G	40.0	0.59
VM2-50-G	50.0	0.68
VM2-60-G	60.0	0.86
VM2-70-G	70.0	0.97
VM2-90-G	90.0	1.19
VM2-100-G	100.0	1.30
VM2-140-G	140.0	1.74
VM2-150-G	150.0	1.85

M2 extension, 3.0 mm diameter. Carbon fiber with stainless steel end fittings.

M2 cylinder stylus, stainless steel



Part Number	D	L1	L2	Wt
TM2-1511-CYL	1.5	11.0	1.5	0.29
TM2-3013-CYL	3.0	13.0	4.0	1.67

M2 stylus with stainless steel cylinder, 1.0 mm diameter stainless steel stem, and 3.0 mm diameter stainless steel base.



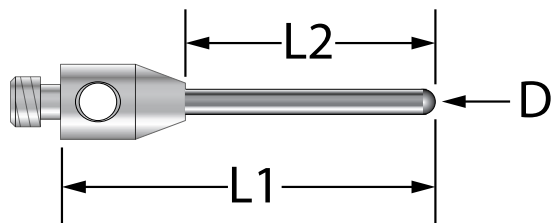
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M2 Threads

Important notes about cylinder styli

Cylinder styli are used to probe edges, for instance, the edges of stampings and thin sheet metal parts. Cylinder styli are not suitable for high accuracy work because the form of a cylinder is not as precise as a sphere. Please contact us with any questions about how to calibrate or use cylinder styli.

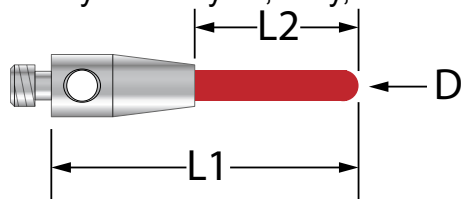
M2 cylinder stylus, carbide, with stainless steel base



Part Number	D	L1	L2	Wt
TM2-0310-BC	0.3	10.0	3.0	0.28
TM2-0515-BC	0.5	15.0	8.0	0.28
TM2-0520-BC	0.5	20.0	15.0	0.30
TM2-0608-BC	0.6	8.0	3.0	0.25
TM2-0715-BC	0.7	15.0	10.0	0.30
TM2-0720-BC	0.7	20.0	15.0	0.35
TM2-1015-BC	1.0	15.0	10.0	0.34
TM2-1020.5-BC	1.0	20.5	15.5	0.40
TM2-1030-BC	1.0	30.0	23.0	0.57
TM2-1036-BC	1.0	36.0	29.0	0.63
TM2-1515-BC	1.5	15.0	10.0	0.55
TM2-1520-BC	1.5	20.0	15.0	0.86
TM2-2016-BC	2.0	16.0	9.0	0.72
TM2-2040-BC	2.0	40.0	33.0	1.85
TM2-2048-BC	2.0	48.0	41.0	2.21
TM2-3024-BC	3.0	24.0	19.0	1.89

M2 stylus with carbide cylinder and 3.0 mm diameter stainless steel base.

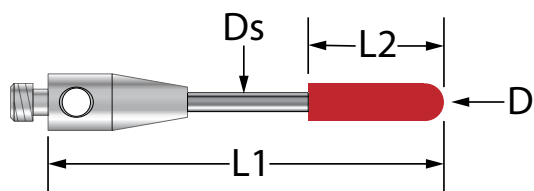
M2 cylinder stylus, ruby, with stainless steel base



Part Number	D	L1	L2	Wt
TM2-1015-B	1.0	15.0	8.0	0.28
TM2-1515-B	1.5	15.0	8.0	0.28

M2 stylus with ruby cylinder and 3.0 mm diameter stainless steel base.

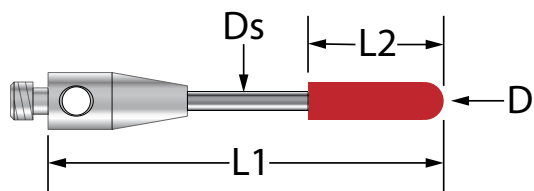
M2 cylinder stylus, ruby, with stainless steel base and stem



Part Number	D	Ds	L1	L2	Wt
TM2-2021-B	2.0	1.6	21.0	7.2	0.49
TM2-4022-B	4.0	2.0	22.0	10.0	0.93

M2 stylus with ruby cylinder and 3.0 mm diameter stainless steel base.

M2 cylinder stylus, ruby, with stainless steel base and carbide stem



Part Number	D	Ds	L1	L2	Wt
TM2-2025-B	2.0	1.0	25.0	7.2	0.45
TM2-2035-B	2.0	1.0	35.0	7.2	0.56
TM2-2040-B	2.0	1.0	40.0	7.2	0.61
TM2-4020-B	4.0	2.0	20.0	10.0	0.90

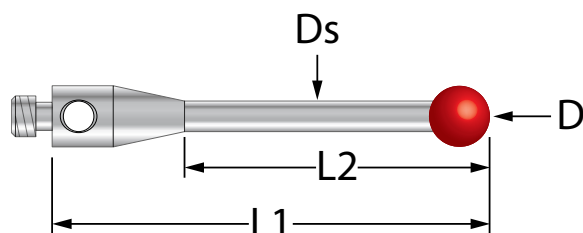
M2 stylus with ruby cylinder and 3.0 mm diameter stainless steel base.



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M2 Threads

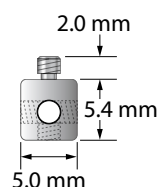
M2 stylus with ruby or silicon nitride ball and stainless steel base and stem



Part Number	D	Ds	L1	L2	Wt
TM2-1010.5-S	1.0	0.7	10.5	4.85	0.22
TM2-1020.5-S	1.0	0.7	20.5	7.5	0.42
TM2-1510.75-S	1.5	0.7	10.75	5.25	0.24
TM2-1520.75-S	1.5	1.0	20.75	8.75	0.44
TM2-2011-S	2.0	1.0	11.0	6.5	0.26
TM2-2021-S	2.0	1.4	21.0	15.0	0.43
TM2-2511.25-S	2.5	1.0	11.25	6.75	0.27
TM2-2521.25-S	2.5	1.4	21.25	15.25	0.47
TM2-3011.5-S	3.0	1.5	11.5	5.0	0.26
TM2-3021.5-S	3.0	1.5	21.5	15.0	0.41
TM2-4012-S	4.0	1.5	12.0	7.0	0.41
TM2-4022-S	4.0	1.5	22.0	16.0	0.70
TM2-5012.5-S	5.0	2.5	12.5	8.5	0.63
TM2-6013-S	6.0	2.5	13.0	9.0	0.72

M2 stylus with 3.0 mm diameter stainless steel base.

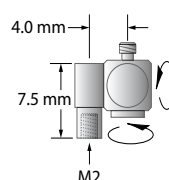
M2 cube, stainless steel



Part Number	Wt
WM2-5	0.71

M2 cube with 5 female threads and 1 male thread.

M2 knuckle joint, 2-way



Part Number	Wt
GM2-16	1.66

M2 stylus knuckle, stainless steel, with hex wrench for adjustment.

M2 Stylus Kit



Kit Contents

Part Number	Description	Qty
TM2-3031.5-DS2	3.0 mm ruby stylus	1
TM2-2020	2.0 mm ruby stylus	1
TM2-1020-DS.7	1.0 mm ruby stylus	1
TM2-1515	1.5 mm ruby stylus	1
TM2-0812	0.8 mm ruby stylus	1
GM2-16	Knuckle joint, 2-way	1
KM2-HUB-6	Six-sided star hub	1

Part Number	Description	Qty
TM2-1520-BC	1.5 mm carbide cylinder stylus	1
VM2-20	20.0 mm extension, stainless steel	1
VM2-10	10.0 mm extension, stainless steel	1
VM2-5	5.0 mm extension, stainless steel	1
STR2-2030	Star probe with 2.0 mm ruby styli	1
PK-2	Probe key for M2 products	1

Kit Price

Kit Part Number
OGP-M2KIT

M2 stylus kit consisting of thirteen items and protective case.

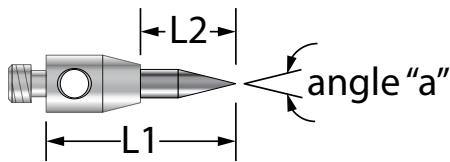
NOTE: For a silicon nitride ball, add -SN to the part number.



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M2 Threads

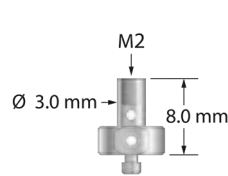
M2 pointed stylus, stainless steel, with carbide point



Part Number	"a"	L1	L2	Wt
TM2-S30-C	30.0	10.0	5.0	0.34
TM2-S60-C	60.0	10.0	3.0	0.39
TM2-S90-C	90.0	10.0	3.0	0.40

M2 pointed styli with 3.0 mm diameter stainless steel base and carbide point.

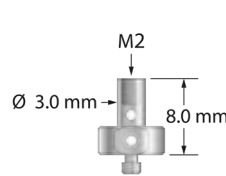
M2 four-way star hub, adjustable



Part Number	Wt
KM2-7-3	1.19

Two-piece M2 star hub with three tapped holes, 120 degrees apart. Fully adjustable. Stainless steel.

M2 five-way star hub, adjustable



Part Number	Wt
KM2-10	1.13

Two-piece M2 star hub with four tapped holes, 90 degrees apart. Fully adjustable. Stainless steel.

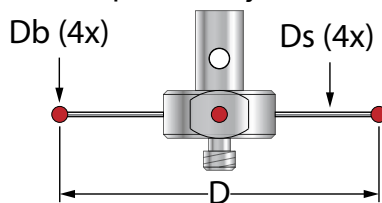
M2 six-sided star hub, adjustable



Part Number	Wt
KM2-HUB-6	0.68

Two-piece M2 six-sided star hub with captive flat head screw for attaching to an M2 extension. All stainless steel. Measures 7.0 mm across opposing flats by 3.0 mm thick. Styli not included.

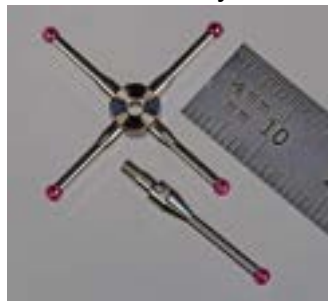
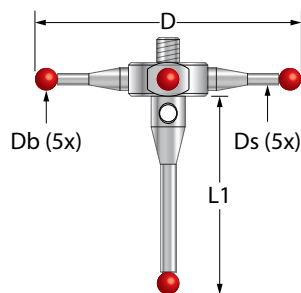
M2 star probe, adjustable, with threaded hub



Part Number	Db	Ds	D	Wt
STR2-0510	0.5	0.3	10.0	0.72
STR2-0520	0.5	0.3	20.0	0.75
STR2-1010	1.0	0.7	10.0	0.71
STR2-1020	1.0	0.7	20.0	0.82

Two-piece M2 star probe with ruby balls, carbide stems, and stainless steel fittings.

M2 star probe, adjustable, with center stylus



Part Number	Db	Ds	D	L1	Wt
STR2-2020	2.0	1.4	20.0	17.3	1.70
STR2-2030	2.0	1.4	30.0	20.0	1.96

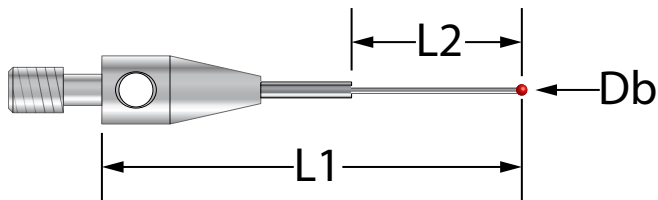
Two-piece M2 star probe with ruby balls and stainless steel bodies. Center hub is stainless steel.



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M2 Threads

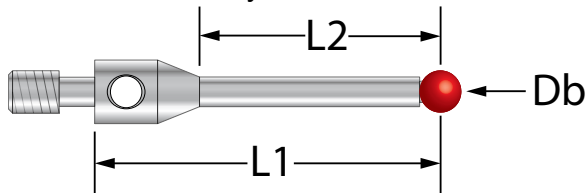
M2 star center stylus with stepped carbide stem



Part Number	Db	L1	L2	Wt
STR2C-0519	0.5	18.5	7.5	0.41

M2 star center stylus with ruby ball, carbide stem, and 3.0 mm diameter stainless steel base. Major stem diameter is 0.7 mm, minor diameter is 0.4 mm.

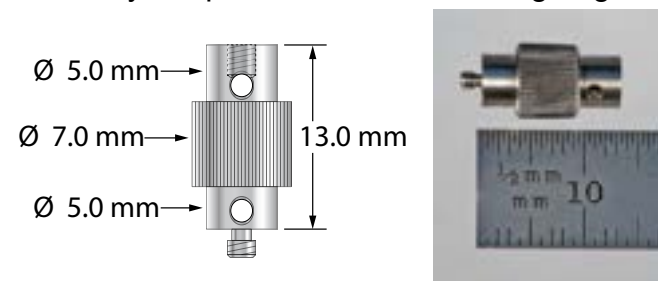
M2 star center stylus with carbide stem



Part Number	Db	L1	L2	Stem Dia.	Stem Mat'l	Wt
STR2C-1009	1.0	8.5	3.5	0.7	Carbide	0.41
STR2C-1019	1.0	18.5	11.5	0.7	Carbide	0.43
STR2C-2017.5	2.0	16.5	11.5	1.4	Stainless steel	0.42

M2 star center stylus with ruby ball and 3.0 mm diameter stainless steel base.

M2 rotary adapter with knurled locking ring



Part Number	Wt
RAP-0513	2.41

M2 rotary adapter allows unlimited axial adjustment of M2 elements, for example, star probes and cubes. Stainless steel.

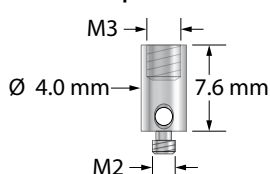
M2 disk



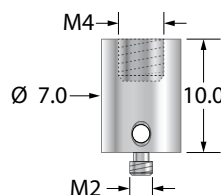
Part Number	Wt
DSK-M2-180	2.08

M2 disk with 18.0 mm diameter x 3.0 mm thick hard anodized aluminum body, stainless steel threads, and two carbide balls. Weight is 2.08 grams.

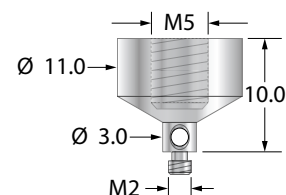
M2 thread adapters



Part Number	Wt
RM2-M3	0.49



Part Number	Wt
RM2-M4	1.61



Part Number	Wt
RM2-M5	3.94

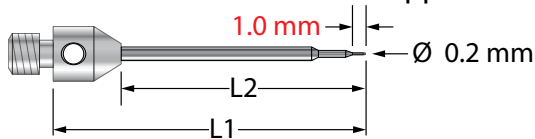
M2 thread adapters. Stainless steel.



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M3 Threads

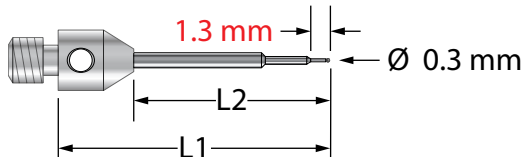
0.2 mm carbide ball with stepped carbide stem



M3 stylus with 0.2 mm diameter carbide ball, stepped carbide stem, and 4.0 mm diameter stainless steel base. Minor stem diameter is 0.17 mm, intermediate diameter is 0.5 mm, and major diameter is 1.0 mm.

Part Number	L1	L2	Wt
TM3-0220-C	20.0	15.0	0.54

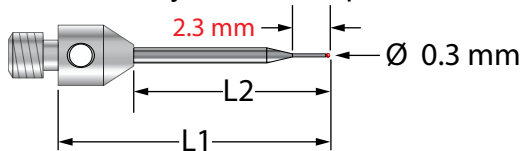
0.3 mm carbide ball with stepped carbide stem



M3 stylus with 0.3 mm diameter carbide ball, stepped carbide stem, and 4.0 mm diameter stainless steel base. Minor stem diameter is 0.2 mm, intermediate diameter is 0.5 mm, and major diameter is 1.0 mm.

Part Number	L1	L2	Wt
TM3-0310-C	10.0	5.0	0.46
TM3-0315-C	15.0	10.0	0.49
TM3-0318-C	18.0	13.0	0.51
TM3-0319-C	19.0	14.0	0.54
TM3-0320-C	20.0	15.0	0.57

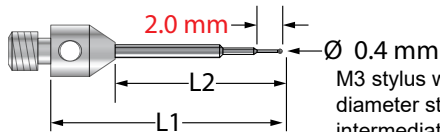
0.3 mm ruby ball with tapered carbide stem



M3 stylus with 0.3 mm diameter ruby ball, tapered carbide stem, and 4.0 mm diameter stainless steel base. Minor stem diameter is 0.2 mm and major diameter is 1.0 mm.

Part Number	L1	L2	Wt
TM3-0318-R	18.0	13.0	0.52
TM3-0322-R	22.0	9.0	0.88

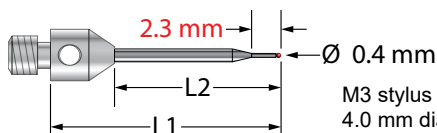
0.4 mm carbide ball with carbide stem



M3 stylus with 0.4 mm diameter ball, stepped carbide stem, and 4.0 mm diameter stainless steel base. Minor stem diameter is 0.25 mm, intermediate is 0.5 mm, and major diameter is 1.0 mm.

Part Number	L1	L2	Wt
TM3-0410-C	10.0	5.0	0.46
TM3-0415-C	15.0	10.0	0.49
TM3-0418-C	18.0	13.0	0.51

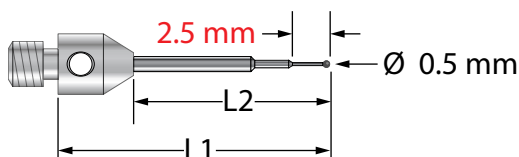
0.4 mm ruby or silicon nitride ball with carbide stem



M3 stylus with 0.4 mm diameter ball, tapered carbide stem, and 4.0 mm diameter stainless steel base. Minor stem diameter is 0.3 mm and major diameter is 1.0 mm.

Part Number	L1	L2	Wt
TM3-0410	10.0	5.0	0.46
TM3-0415	15.0	10.0	0.49
TM3-0418	18.0	13.0	0.51

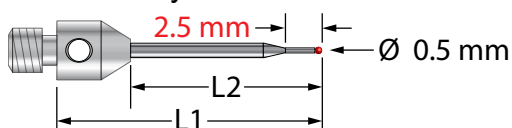
0.5 mm carbide ball with stepped carbide stem



M3 stylus with 0.5 mm diameter carbide ball, stepped carbide stem, and 4.0 mm diameter stainless steel base. Minor stem diameter is 0.3 mm, intermediate diameter is 0.5 mm, and major diameter is 1.0 mm.

Part Number	L1	L2	Wt
TM3-0510-C	10.0	5.0	0.59
TM3-0515-C	15.0	10.0	0.62
TM3-0518-C	18.0	13.0	0.63
TM3-0519-C	19.0	14.0	0.64
TM3-0520-C	20.0	15.0	0.65

0.5 mm ruby or silicon nitride ball with tapered carbide stem and 5.0 mm long base



M3 stylus with 0.5 mm diameter ball, tapered carbide stem, and 4.0 mm diameter stainless steel base. Minor stem diameter is 0.3 mm and major diameter is 1.0 mm.

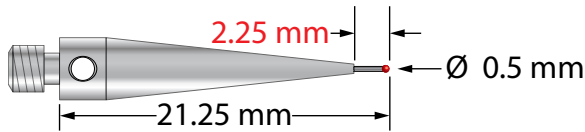
Part Number	L1	L2	Wt
TM3-0510	10.0	5.0	0.51
TM3-0515	15.0	10.0	0.53
TM3-0518	18.0	13.0	0.54



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M3 Threads

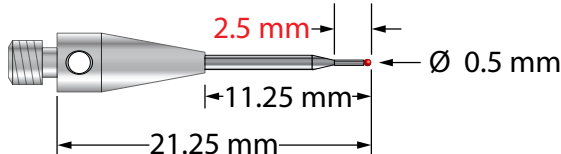
0.5 mm ruby ball with 0.4 mm carbide stem and 19.0 mm long base



Part Number	Wt
TM3-0521-02	1.04

M3 stylus with 0.5 mm diameter ruby ball, 0.4 mm diameter carbide stem, and 4.0 mm diameter stainless steel base.

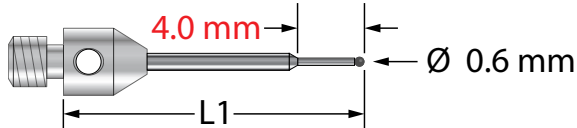
0.5 mm ruby ball with tapered carbide stem and 10.0 mm long base



Part Number	Wt
TM3-0521.25	0.89

M3 stylus with 0.5 mm diameter ruby ball, tapered carbide stem, and 4.0 mm diameter stainless steel base. Minor stem diameter is 0.3 mm and major diameter is 1.0 mm.

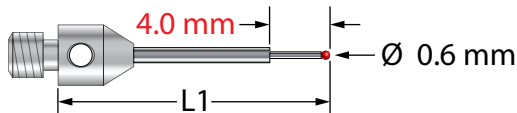
0.6 mm carbide ball with stepped carbide stem



Part Number	L1	Wt
TM3-0610-C	10.0	0.47
TM3-0615-C	15.0	0.50
TM3-0618-C	18.0	0.51
TM3-0620-C	20.0	0.52

M3 stylus with 0.6 mm diameter carbide ball, tapered carbide stem, and 4.0 mm diameter x 5.0 mm long stainless steel base. Minor stem diameter is 0.4 mm and major diameter is 1.0 mm.

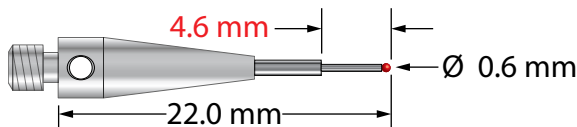
0.6 mm ball with stepped carbide stem



Part Number	L1	Wt
TM3-0610	10.0	0.47
TM3-0615	15.0	0.49
TM3-0618	18.0	0.50
TM3-0620	20.0	0.52

M3 stylus with 0.6 mm diameter ruby or silicon nitride ball, stepped carbide stem, and 4.0 mm diameter x 5.0 mm long stainless steel base. Minor stem diameter is 0.4 mm and major diameter is 1.0 mm.

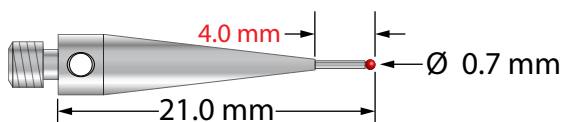
0.6 mm ball with stepped carbide stem and 13.0 mm long base



Part Number	Wt
TM3-0622-09	0.90

M3 stylus with 0.6 mm diameter ruby or silicon nitride ball, stepped carbide stem, and 4.0 mm diameter x 13.0 mm long stainless steel base. Minor stem diameter is 0.4 mm and major diameter is 1.0 mm.

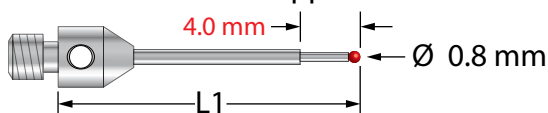
0.7 mm ruby ball with 0.5 mm carbide stem and 17.0 mm long base



Part Number	L1	Wt
TM3-0721-04	21.0	0.95

M3 stylus with 0.7 mm diameter ruby ball, 0.5 mm diameter carbide stem, and 4.0 mm diameter x 17.0 mm long stainless steel base.

0.8 mm ball with stepped carbide stem and 5.0 mm long base



Part Number	L1	Wt
TM3-0812	12.0	0.53
TM3-0815	15.0	0.60
TM3-0820	20.0	0.71
TM3-0830	30.0	0.84

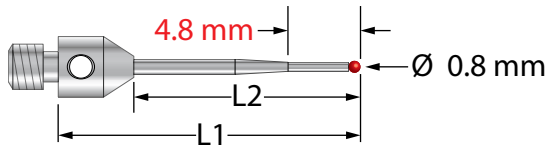
M3 stylus with 0.8 mm diameter ruby or silicon nitride ball, stepped carbide stem, and 4.0 mm diameter x 5.0 mm long stainless steel base. Minor stem diameter is 0.6 mm and major diameter is 1.0 mm.



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M3 Threads

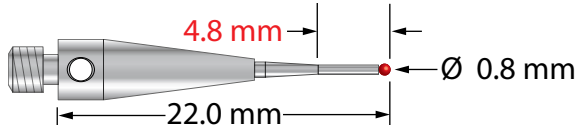
0.8 mm ruby or silicon nitride ball with tapered carbide stem and 5.0 mm long base



M3 stylus with 0.8 mm diameter ball, tapered carbide stem, and 4.0 mm diameter stainless steel base. Minor stem diameter is 0.6 mm and major diameter is 1.0 mm.

Part Number	L1	L2	Wt
TM3-0812-T	12.0	7.0	0.53
TM3-0815-T	15.0	10.0	0.60
TM3-0820-T	20.0	15.0	0.71
TM3-0830-T	30.0	22.0	0.84

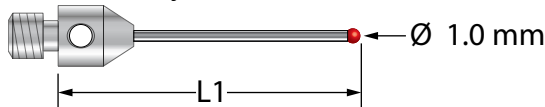
0.8 mm ruby or silicon nitride ball with tapered carbide stem and 13.0 mm long base



M3 stylus with 0.8 mm diameter ruby ball, tapered carbide stem, and 4.0 mm diameter x 13.0 mm long stainless steel base. Minor stem diameter is 0.4 mm and major diameter is 1.0 mm.

Part Number	Wt
TM3-0822	0.91

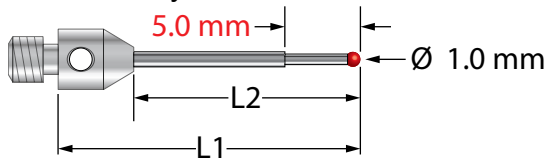
1.0 mm ruby, silicon nitride, or zirconia ball with 0.7 mm carbide stem



M3 stylus with 1.0 mm diameter ball, 0.7 mm diameter carbide stem, and 4.0 mm diameter x 5.0 mm long stainless steel base.

Part Number	L1	Wt
TM3-1010-DS.7	10.0	0.46
TM3-1015-DS.7	15.0	0.49
TM3-1020-DS.7	20.0	0.51

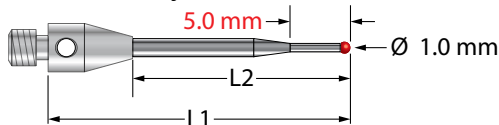
1.0 mm ruby, silicon nitride, or zirconia ball with stepped carbide stem



M3 stylus with 1.0 mm diameter ball, stepped carbide stem, and 4.0 mm diameter stainless steel base. Minor stem diameter is 0.7 mm, major diameter is 1.0 mm.

Part Number	L1	L2	Wt
TM3-1015	15.0	10.0	0.60
TM3-1020	20.0	15.0	0.66
TM3-1022	22.0	17.0	0.69
TM3-1022-13	22.0	9.0	0.95
TM3-1025	25.0	17.0	0.74
TM3-1030	30.0	22.0	0.86

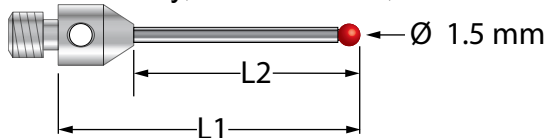
1.0 mm ruby, silicon nitride, or zirconia ball with 1.5 mm diameter tapered carbide stem



M3 stylus with 1.0 mm ball, tapered carbide stem, and 4.0 mm diameter x 7.0 mm long stainless steel base. Minor stem diameter is 0.7 mm.

Part Number	L1	L2	Wt
TM3-1040	40.0	33.0	0.98

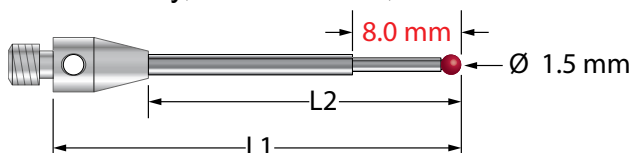
1.5 mm ruby, silicon nitride, or zirconia ball with 1.0 mm carbide stem



M3 stylus with 1.5 mm diameter ball, 1.0 mm diameter carbide stem, and 4.0 mm diameter stainless steel base.

Part Number	L1	L2	Wt
TM3-1510	10.0	5.0	0.52
TM3-1520	20.0	15.0	0.60
TM3-1520.75	20.75	13.75	0.77
TM3-1522-09	22.0	9.0	0.57
TM3-1530-DS1	30.0	23.0	0.90
TM3-1530.75-DS1	30.75	23.25	0.90

1.5 mm ruby, silicon nitride, or zirconia ball with stepped carbide stem



M3 stylus with 1.5 mm diameter ball, stepped carbide stem, and 4.0 mm diameter stainless steel base. Minor stem diameter is 1.0 mm, major diameter is 1.5 mm.

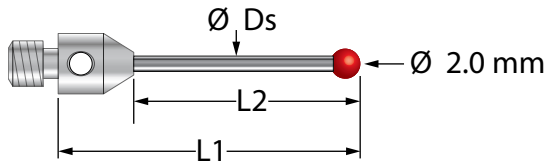
Part Number	L1	L2	Wt
TM3-1530	30.0	22.0	0.90



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M3 Threads

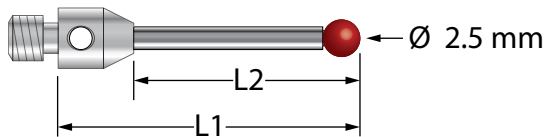
2.0 mm ruby, silicon nitride, or zirconia ball with carbide stem



M3 stylus with 2.0 mm diameter ball, carbide stem, and 4.0 mm diameter stainless steel base.

Part Number	L1	L2	Ds	Wt
TM3-2010	10.0	5.0	1.0	0.52
TM3-2011	11.0	6.0	1.0	0.52
TM3-2015	15.0	10.0	1.0	0.56
TM3-2019	19.0	14.0	1.0	0.60
TM3-2020	20.0	15.0	1.0	0.61
TM3-2021	21.0	16.0	1.0	0.63
TM3-2021-6	21.0	15.0	1.0	0.70
TM3-2025	25.0	18.0	1.0	0.79
TM3-2030	30.0	23.0	1.5	0.98
TM3-2031	31.0	24.0	1.5	1.26
TM3-2035	35.0	28.0	1.5	1.29
TM3-2040	40.0	33.0	1.5	1.48
TM3-2041	41.0	34.0	1.5	1.50
TM3-2050	50.0	43.0	1.5	1.73
TM3-2051	51.0	44.0	1.5	1.75
TM3-2070	70.0	63.0	1.5	2.23
TM3-20100	100.0	93.0	1.5	2.97

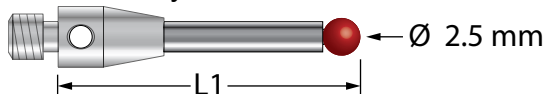
2.5 mm ruby, silicon nitride, or zirconia ball with 1.5 mm carbide stem



M3 stylus with 2.5 mm diameter ball, 1.5 mm diameter carbide stem, and 4.0 mm diameter stainless steel base.

Part Number	L1	L2	Wt
TM3-2520	20.0	15.0	1.05
TM3-2530	30.0	23.0	1.19
TM3-2531.25	31.25	24.25	1.28
TM3-2540	40.0	33.0	1.46
TM3-2541.25	41.25	34.25	1.53
TM3-2550	50.0	43.0	1.73
TM3-2572	72.0	65.0	2.32

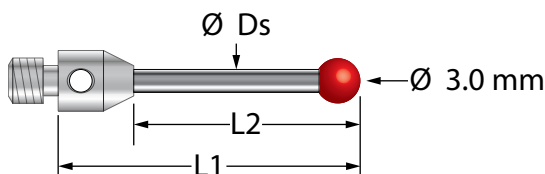
2.5 mm ruby, silicon nitride, or zirconia ball with 2.0 mm carbide stem



M3 stylus with 2.5 mm diameter ball, 2.0 mm diameter carbide stem, and 4.0 mm diameter x 7.0 mm long stainless steel base.

Part Number	L1	Wt
TM3-2531.25-DS2	31.25	1.77
TM3-2541.25-DS2	41.25	2.21

3.0 mm ruby, silicon nitride, or zirconia ball with carbide stem



M3 stylus with 3.0 mm diameter ball, carbide stem, and 4.0 mm diameter stainless steel base.

Part Number	L1	L2	Ds	Wt
TM3-3015	15.0	10.0	1.5	0.85
TM3-3020	20.0	15.0	1.5	0.99
TM3-3021-8	21.0	13.0	2.0	1.16
TM3-3021.5	21.5	15.5	1.5	0.80
TM3-3025	25.0	18.0	1.5	1.13
TM3-3030	30.0	23.0	2.0	1.42
TM3-3031.5-DS1.5	31.5	24.5	1.5	1.31
TM3-3031.5-DS2	31.5	24.5	2.0	1.76
TM3-3035	35.0	28.0	2.0	1.40
TM3-3040-DS1.5	40.0	33.0	1.5	1.54
TM3-3040	40.0	33.0	2.0	2.02
TM3-3041.5-DS1.5	41.5	34.5	1.5	1.58
TM3-3041.5	41.5	34.5	2.0	2.26

(Continued on next page)

For a silicon nitride ball, add -SN to the end of the part number.

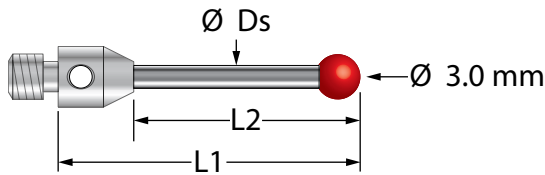
For a zirconia ball, add -Z to the end of the part number.



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M3 Threads

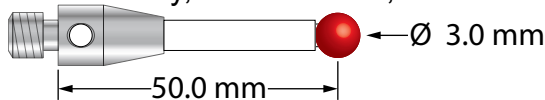
3.0 mm ruby, silicon nitride, or zirconia ball with 2.0 mm carbide stem



M3 stylus with 3.0 mm diameter ball, 2.0 mm diameter carbide stem, and 4.0 mm diameter stainless steel base.

Part Number	L1	L2	Ds	Wt
TM3-3050	50.0	43.0	2.0	2.58
TM3-3051.5	51.5	44.5	2.0	2.65
TM3-3058	58.0	51.0	2.0	2.93
TM3-3060	60.0	53.0	2.0	3.02
TM3-3070	70.0	63.0	2.0	3.46
TM3-3085	85.0	78.0	2.0	4.12
TM3-30100	100.0	93.0	2.0	4.79

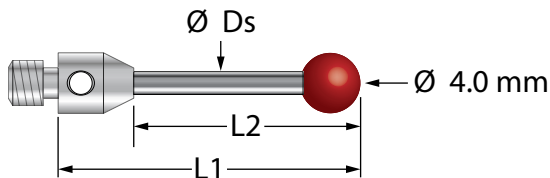
3.0 mm ruby, silicon nitride, or zirconia ball with 2.0 mm ceramic stem



M3 stylus with 3.0 mm diameter ball, 2.0 mm diameter ceramic stem, and 4.0 mm diameter x 7.0 mm long stainless steel base.

Part Number	Wt
TM3-3051.5-C	1.34

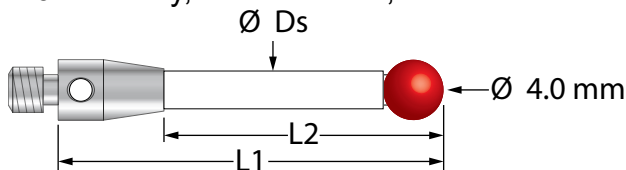
4.0 mm ruby, silicon nitride, or zirconia ball with carbide stem



M3 stylus with 4.0 mm diameter ball, carbide stem, and 4.0 mm diameter stainless steel base.

Part Number	L1	L2	Ds	Wt
TM3-4020	20.0	15.0	2.0	1.25
TM3-4025	25.0	18.0	2.0	1.48
TM3-4030	30.0	23.0	2.0	1.71
TM3-4040	40.0	33.0	2.0	1.94
TM3-4042	42.0	35.0	2.0	2.03
TM3-4050	50.0	43.0	2.0	2.58
TM3-4052	52.0	45.0	2.0	2.67
TM3-4070	70.0	63.0	2.5	5.02
TM3-40100	100.0	93.0	2.5	7.08

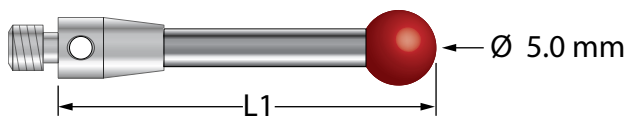
4.0 mm ruby, silicon nitride, or zirconia ball with ceramic stem



M3 stylus with 4.0 mm diameter ball, ceramic stem, and 4.0 mm diameter x 7.0 mm long stainless steel base.

Part Number	L1	L2	Ds	Wt
TM3-4032-C	32.0	25.0	2.0	0.73
TM3-4052-C	52.0	45.0	2.0	1.05
TM3-40100-C	100.0	93.0	2.5	2.31
TM3-40120-C	120.0	110.0	2.5	2.68

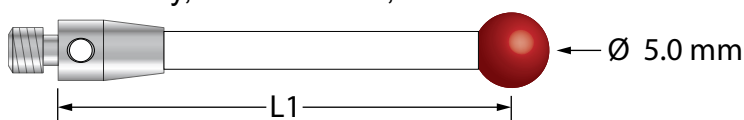
5.0 mm ruby, silicon nitride, or zirconia ball with 2.5 mm carbide stem



M3 stylus with 5.0 mm diameter ball, 2.5 mm diameter carbide stem, and 4.0 mm diameter x 7.0 mm long stainless steel base.

Part Number	L1	Wt
TM3-5020	20.0	1.70
TM3-5030	30.0	2.38
TM3-5040	40.0	2.72
TM3-5042.5	42.5	2.86
TM3-5050	50.0	3.40
TM3-5052.5	52.5	3.54
TM3-5070	70.0	4.77
TM3-50100	100.0	6.82

5.0 mm ruby, silicon nitride, or zirconia ball with 2.5 mm ceramic stem



M3 stylus with 5.0 mm diameter ball, 2.5 mm diameter ceramic stem, and 4.0 mm diameter x 7.0 mm long stainless steel base.

Part Number	L1	Wt
TM3-5032.5-C	30.0	1.15
TM3-5050-C	47.5	1.41
TM3-5052.5-C	50.0	1.45



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M3 Threads

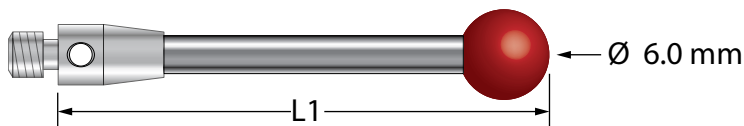
5.0 mm ruby, silicon nitride, or zirconia ball with 2.5 mm carbon fiber stem



Part Number	L1	Wt
TM3-5025-G	25.0	0.78
TM3-5040-G	40.0	0.90
TM3-5050-G	50.0	0.97

M3 stylus with 5.0 mm diameter ball, 2.5 mm diameter carbon fiber stem, and 4.0 mm diameter x 7.0 mm long stainless steel base.

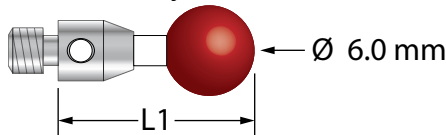
6.0 mm ruby, silicon nitride, or zirconia ball with 2.5 mm carbide stem



Part Number	L1	Wt
TM3-6020	20.0	1.55
TM3-6050	50.0	3.60
TM3-6060	60.0	4.29

M3 stylus with 6.0 mm diameter ball, 2.5 mm diameter carbide stem, and 4.0 mm diameter x 7.0 mm long stainless steel base.

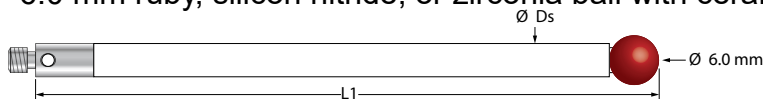
6.0 mm ruby, silicon nitride, or zirconia ball with 2.0 mm ceramic stem



Part Number	L1	Wt
TM3-6013-C	13.0	0.90

M3 stylus with 6.0 mm diameter ball, 2.0 mm diameter ceramic stem, and 4.0 mm diameter x 5.0 mm long stainless steel base.

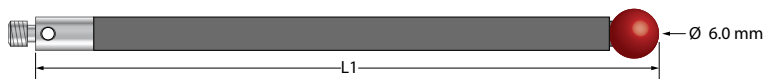
6.0 mm ruby, silicon nitride, or zirconia ball with ceramic stem



Part Number	L1	Ds	Wt
TM3-6075-C	75.0	3.5	3.83
TM3-60100-C	100.0	4.0	4.98

M3 stylus with 6.0 mm diameter ball, ceramic stem, and 4.0 mm diameter x 7.0 mm long stainless steel base.

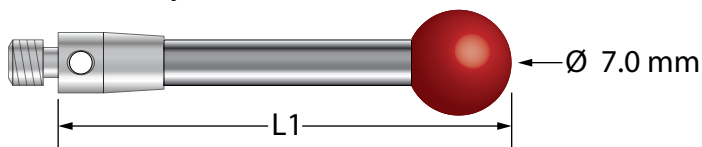
6.0 mm ruby, silicon nitride, or zirconia ball with 4.0 mm carbon fiber stem



Part Number	L1	Wt
TM3-6078-G	78.0	2.09
TM3-60103-G	103.0	2.57

M3 stylus with 6.0 mm diameter ball, 4.0 mm diameter carbon fiber stem, and 4.0 mm diameter x 7.0 mm long stainless steel base.

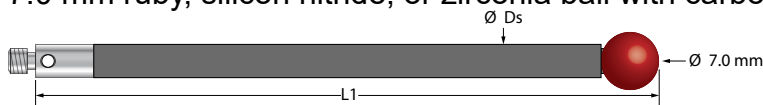
7.0 mm ruby, silicon nitride, or zirconia ball with 3.0 mm carbide stem



Part Number	L1	Wt
TM3-7030	30.0	3.22
TM3-7050	50.0	5.24

M3 stylus with 7.0 mm diameter ball, 3.0 mm diameter carbide stem, and 4.0 mm diameter x 7.0 mm long stainless steel base.

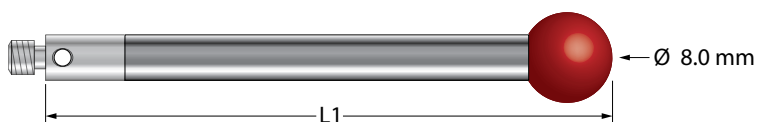
7.0 mm ruby, silicon nitride, or zirconia ball with carbon fiber stem



Part Number	L1	Ds	Wt
TM3-7075-G	75.0	3.5	2.17
TM3-70150-G	150.0	4.0	3.29

M3 stylus with 7.0 mm diameter ball, carbon fiber stem, and 4.0 mm diameter x 7.0 mm long stainless steel base.

8.0 mm ruby, silicon nitride, or zirconia ball with 4.0 mm carbide stem



Part Number	L1	Wt
TM3-8013	13.0	2.41
TM3-8020	20.0	3.68
TM3-8040	40.0	7.29
TM3-8050	50.0	9.10

M3 stylus with 8.0 mm diameter ball, 4.0 mm diameter carbide stem, and 4.0 mm diameter x 8.0 mm long stainless steel base.

For a silicon nitride ball, add -SN to the end of the part number.

For a zirconia ball, add -Z to the end of the part number.



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M3 Threads

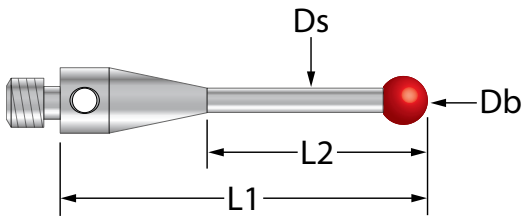
8.0 mm ruby, silicon nitride, or zirconia ball with 4.0 mm carbon fiber stem



Part Number	L1	Wt
TM3-8042-G	42.0	1.82
TM3-8050-G	50.0	1.97
TM3-8079-G	79.0	2.53
TM3-80104-G	104.0	3.01
TM3-80125-G	125.0	3.51

M3 stylus with 8.0 mm diameter ball, 4.0 mm diameter carbon fiber stem, and 4.0 mm diameter x 10.0 mm long stainless steel base.

Stainless steel styli with ruby, silicon nitride, or zirconia ball



Part Number	Db	Ds	L1	L2	Wt
TM3-1021-S	1.0	0.7	21.0	4.0	0.93
TM3-1520.75-S	1.5	1.0	20.75	4.75	0.85
TM3-2022-S	2.0	1.4	22.0	9.0	0.82
TM3-3022.5-S	3.0	1.5	22.0	12.0	0.82
TM3-4023-S	4.0	2.5	23.0	14.0	1.60
TM3-4033-S	4.0	2.5	33.0	22.0	2.00
TM3-5023.5-S	5.0	2.5	23.5	16.5	1.60
TM3-5033.5-S	5.0	3.5	33.5	24.0	2.18
TM3-6010-S	6.0	2.5	10.0	6.0	1.44

M3 stylus with 4.0 mm diameter stainless steel base and stainless steel stem.

Important notes about cylinder styli

Cylinder styli are used for edge probing, for instance, the edges of stampings and thin sheet metal parts. Cylinder styli are not suitable for high accuracy work because the form of a cylinder is not as precise as a sphere. Please contact us with any questions about how to calibrate or use cylinder styli.

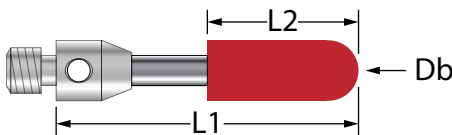
Ruby cylinder styli with stainless steel base



Part Number	Db	L1	Wt
TM3-1014-B	1.0	14.0	0.46
TM3-1514-B	1.5	14.0	0.49

M3 stylus with ruby cylinder and 4.0 mm diameter x 5.0 mm long stainless steel base.

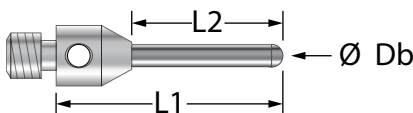
Ruby cylinder styli with carbide stem and stainless steel base



Part Number	Db	L1	L2	Wt
TM3-2020-B	2.0	20.0	7.2	0.62
TM3-2030-B	2.0	30.0	7.2	0.69
TM3-4020-B	4.0	20.0	10.0	1.30
TM3-4030-B	4.0	30.0	10.0	1.75
TM3-4040-B	4.0	40.0	10.0	2.20

M3 stylus with ruby cylinder, carbide stem, and 4.0 mm diameter x 5.0 mm long stainless steel base.

Carbide cylinder styli with stainless steel base



Part Number	Db	L1	L2	Wt
TM3-1014-BC	1.0	14.0	9.0	0.55
TM3-1032.4-BC	1.0	32.4	25.4	0.80
TM3-1515-BC	1.5	15.0	10.0	0.83
TM3-1540-BC	1.5	40.0	33.0	1.42
TM3-2025-BC	2.0	25.0	20.0	1.81
TM3-2040-BC	2.0	40.0	33.0	2.04
TM3-2075-BC	2.0	75.0	68.0	3.60
TM3-3040-BC	3.0	40.0	33.0	3.98
TM3-30100-BC	3.0	100.0	93.0	10.04

M3 stylus with carbide cylinder and 4.0 mm diameter stainless steel base.

For a silicon nitride ball, add -SN to the end of the part number.

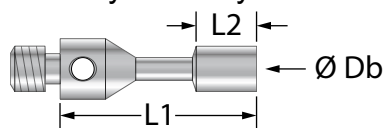
For a zirconia ball, add -Z to the end of the part number.



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M3 Threads

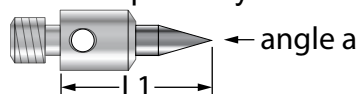
Steel cylinder styli



Part Number	Db	L1	L2	Wt
TM3-1511-CYL	1.5	11.0	1.75	0.46
TM3-3013-CYL	3.0	13.0	4.0	0.70

M3 stylus with stainless steel cylinder and 4.0 mm diameter stainless steel base.

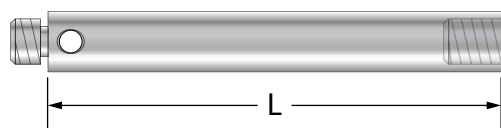
Carbide point styli



Part Number	a	L1	Wt
TM3-S30-C	30.0	10.0	0.60
TM3-S60-C	60.0	10.0	0.58
TM3-S90-C	90.0	10.0	0.56

M3 stylus with 1.5 mm diameter carbide point and 4.0 mm diameter x 5.0 mm long stainless steel base.

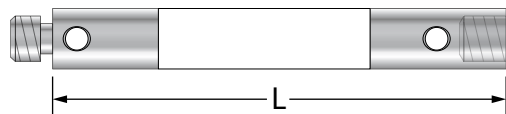
Stylus extensions, stainless steel



Part Number	L	Wt
VM3-5	5.0	0.38
VM3-10	10.0	0.67
VM3-15	15.0	1.13
VM3-20	20.0	1.62
VM3-25	25.0	2.11
VM3-30	30.0	2.59
VM3-35	35.0	3.36
VM3-40	40.0	3.84
VM3-50	50.0	4.80
VM3-60	60.0	5.47
VM3-80	80.0	7.68
VM3-100	100.0	9.60
VM3-130	130.0	12.48
VM3-150	150.0	14.40
VM3-200	200.0	19.20

M3 extension. 4.0 mm diameter stainless steel.

Stylus extensions, ceramic and stainless steel



Part Number	L	Wt
VM3-20-C	20.0	1.11
VM3-30-C	30.0	1.48
VM3-35-C	35.0	1.76
VM3-50-C	50.0	2.23
VM3-100-C	100.0	4.09

M3 extension. 4.0 mm diameter ceramic with stainless steel end fittings.

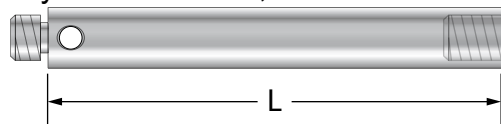
Stylus extensions, carbon fiber and stainless steel



Part Number	L	Wt
VM3-20-G	20.0	0.80
VM3-30-G	30.0	0.95
VM3-50-G	50.0	1.25
VM3-75-G	75.0	1.62
VM3-100-G	100.0	1.99

M3 extension. 4.0 mm diameter carbon fiber with stainless steel end fittings.

Stylus extensions, titanium



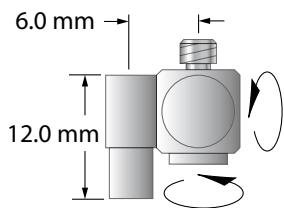
Part Number	L	Wt
VM3-30-T	30.0	1.55
VM3-70-T	70.0	3.69

M3 extension. 4.0 mm diameter titanium.



M3 Threads

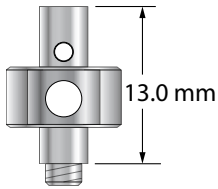
Stylus knuckle, fully adjustable



Part Number	Wt
GM3-20	3.32

M3 stylus knuckle. Stainless steel. Includes hex wrench for adjustment (not shown).

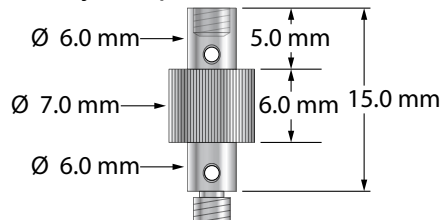
Star hub, fully adjustable



Part Number	Wt
KM3-13	3.12

M3 star hub. Stainless steel. 9.5 mm between flats.

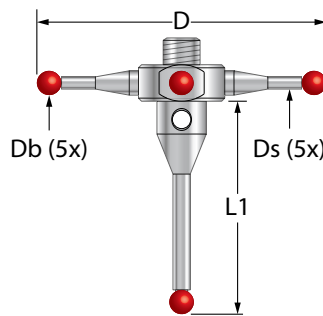
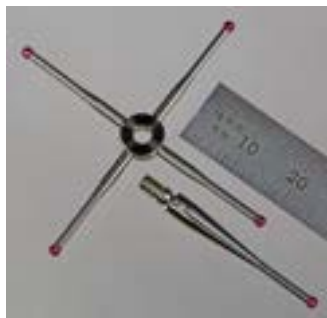
Rotary adapter



Part Number	Wt
RAP-0513-M3	2.64

M3 rotary adapter. Stainless steel with knurled locking ring. Allows rotational adjustment of M3 components.

M3 star styli



Part Number	D	L1	Ds	Wt
STR3-2030	30.0	19.0	1.4	2.26
STR3-2050	50.0	29.0	1.4	5.11

M3 star styli with five 2.0 mm diameter ruby balls and 1.4 mm diameter stainless steel stems. Radially adjustable center hub is stainless steel.

M3 probe keys



Golf tee style. Suitable for both M2 and M3 components. Made of tool steel.

Part Number
PK2-PK3



Offset style. Stainless steel handle with steel key.

Part Number
PK-3

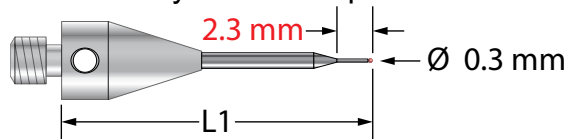


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M3 XXT titanium technology



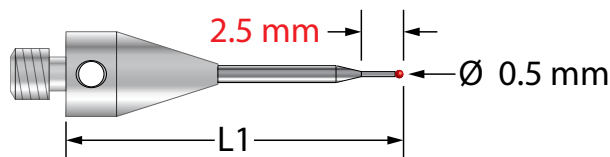
0.3 mm ruby ball with tapered carbide stem



M3 stylus with 0.3 mm diameter ruby ball, tapered carbide stem, and 5.0 mm diameter x 9.0 mm long titanium base. Minor stem diameter is 0.2 mm and major diameter is 1.0 mm.

Part Number	L1	Wt
TM3-0313-TX	13.0	0.46
TM3-0315-TX	15.0	0.49
TM3-0318-TX	18.0	0.51
TM3-0320-TX	20.0	0.54

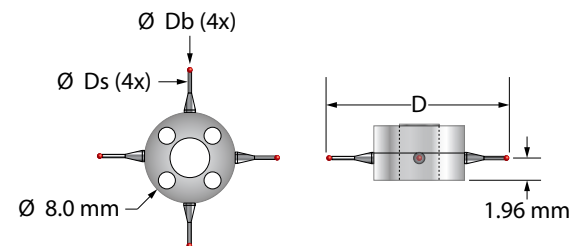
0.5 mm ruby ball with tapered carbide stem



M3 stylus with 0.5 mm diameter ruby ball, tapered carbide stem, and 5.0 mm diameter x 9.0 mm long titanium base. Minor stem diameter is 0.3 mm and major diameter is 1.0 mm.

Part Number	L1	Wt
TM3-0513-TX	13.0	0.53
TM3-0515-TX	15.0	0.53
TM3-0518-TX	18.0	0.54
TM3-0520-TX	20.0	0.55
TM3-0524-TX	24.0	0.57

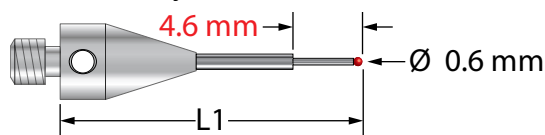
0.5 mm ruby ball star with four styli



Four-way M3 star stylus with four 0.5 mm diameter ruby balls, tapered carbide stems, and two-piece clamping titanium hub. Individual styli can be replaced or adjusted by unscrewing the two-piece hub.

Part Number	Db	Ds	D	Wt
XXT-STR-0516	0.5	0.3	16.0	0.89
XXT-STR-0818	0.8	0.6	18.0	1.04
XXT-STR-1020	1.0	0.8	20.0	1.10

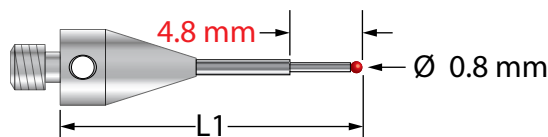
0.6 mm ruby or silicon nitride ball with stepped carbide stem



M3 stylus with 0.6 mm diameter ruby or silicon nitride ball, stepped carbide stem, and 5.0 mm diameter x 9.0 mm long titanium base. Minor stem diameter is 0.4 mm and major diameter is 1.0 mm.

Part Number	L1	Wt
TM3-0614-TX	14.0	0.53
TM3-0617-TX	17.0	0.55
TM3-0620-TX	20.0	0.57
TM3-0624-TX	24.0	0.61

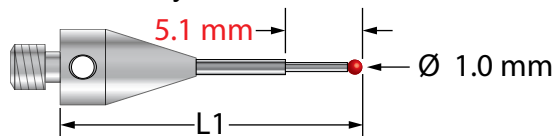
0.8 mm ruby ball with stepped carbide stem



M3 stylus with 0.8 mm diameter ruby ball, tapered carbide stem, and 5.0 mm diameter x 9.0 mm long titanium base. Minor stem diameter is 0.6 mm and major diameter is 1.0 mm.

Part Number	L1	Wt
TM3-0814-TX	14.0	0.54
TM3-0817-TX	17.0	0.57
TM3-0820-TX	20.0	0.60
TM3-0825-TX	25.0	0.65
TM3-0835-TX	35.0	0.75

1.0 mm ruby, silicon nitride, or zirconia ball with stepped carbide stem



M3 stylus with 1.0 mm diameter ball, stepped carbide stem, and 5.0 mm diameter x 9.0 mm long titanium base. Minor stem diameter is 0.6 mm, major diameter is 1.0 mm.

Part Number	L1	Wt
TM3-1020-TX-6	20.0	0.61

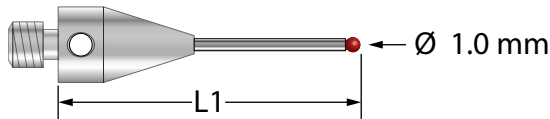


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M3 XXT titanium technology



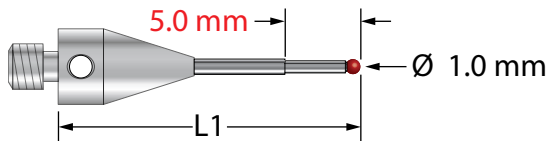
1.0 mm ruby, silicon nitride, or zirconia ball with 0.8 mm carbide stem



Part Number	L1	Wt
TM3-1014-TX-8	14.0	0.58
TM3-1017-TX-8	17.0	0.68
TM3-1020-TX-8	20.0	0.71
TM3-1025-TX-8	25.0	0.75
TM3-1031-TX-8	31.0	0.78
TM3-1035-TX-8	35.0	0.82
TM3-1040-TX-8	40.0	0.88

M3 stylus with 1.0 mm diameter ruby ball, 0.8 mm diameter carbide stem, and 5.0 mm diameter x 9.0 mm long titanium base.

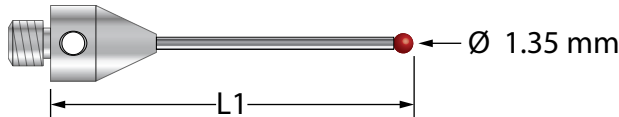
1.0 mm ruby, silicon nitride, or zirconia ball with stepped carbide stem



Part Number	L1	Wt
TM3-1020-TX	20.0	0.61
TM3-1025-TX	25.0	0.71
TM3-1030-TX	30.0	0.76
TM3-1031-TX	31.0	0.77
TM3-1035-TX	35.0	0.82
TM3-1040-TX	40.0	0.89

M3 stylus with 1.0 mm diameter ball, stepped carbide stem, and 5.0 mm diameter x 9.0 mm long titanium base. Minor stem diameter is 0.8 mm, major diameter is 1.0 mm.

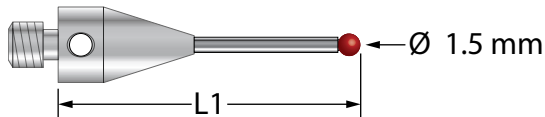
1.35 mm ruby or silicon nitride ball with 1.0 mm carbide stem



Part Number	L1	Wt
TM3-1324-TX	24.0	0.70
TM3-1331-TX	31.0	0.78

M3 stylus with 1.35 mm diameter ball, 1.0 mm diameter carbide stem, and 5.0 mm diameter x 7.0 mm long titanium base.

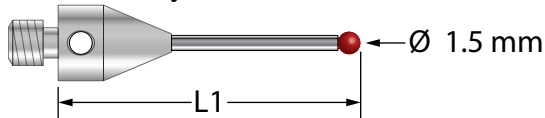
1.5 mm ruby, silicon nitride, or zirconia ball with 1.0 mm carbide stem



Part Number	L1	Wt
TM3-1514-TX	14.0	0.57
TM3-1517-TX	17.0	0.60
TM3-1520-TX	20.0	0.63
TM3-1525-TX	25.0	0.69
TM3-1530-TX	30.0	0.75
TM3-1540-TX	40.0	0.86

M3 stylus with 1.5 mm diameter ball, 1.0 mm diameter carbide stem, and 5.0 mm diameter x 9.0 mm long titanium base.

1.5 mm ruby, silicon nitride, or zirconia ball with 1.0 mm stem and 7.5 mm long titanium base



Part Number	L1	Wt
TM3-1530-TX-7.5	30.0	0.85

M3 stylus with 1.35 mm diameter ball, 1.0 mm diameter carbide stem, and 5.0 mm diameter x 7.5 mm long titanium base.

2.0 mm ruby, silicon nitride, or zirconia ball with 1.0 mm carbide stem



Part Number	L1	Wt
TM3-2014-TX	14.0	0.58
TM3-2017-TX	17.0	0.61
TM3-2020-TX	20.0	0.64
TM3-2025-TX	25.0	0.70
TM3-2030-TX	30.0	0.75

M3 stylus with 2.0 mm diameter ball, 1.0 mm diameter carbide stem, and 5.0 mm diameter x 9.0 mm long titanium base.

For a silicon nitride ball, add -SN to the end of the part number.

For a zirconia ball, add -Z to the end of the part number.

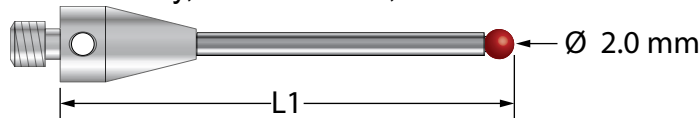


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M3 XXT titanium technology



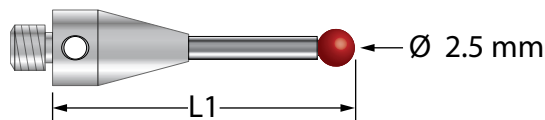
2.0 mm ruby, silicon nitride, or zirconia ball with 1.5 mm carbide stem



Part Number	L1	Wt
TM3-2035-TX	35.0	1.37
TM3-2040-TX	40.0	1.49
TM3-2054-TX	54.0	1.84

M3 stylus with 2.0 mm diameter ball, 1.5 mm diameter carbide stem, and 5.0 mm diameter x 9.0 mm long titanium base.

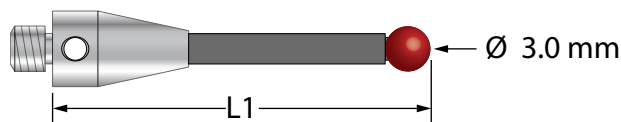
2.5 mm ruby, silicon nitride, or zirconia ball with 1.5 mm carbide stem



Part Number	L1	Wt
TM3-2520-TX	20.0	0.79
TM3-2525-TX	25.0	0.91
TM3-2530-TX	30.0	1.03
TM3-2535-TX	35.0	1.15
TM3-2540-TX	40.0	1.28

M3 stylus with 2.5 mm diameter ball, 1.5 mm diameter carbide stem, and 5.0 mm diameter x 9.0 mm long titanium base.

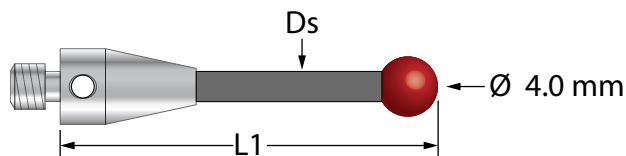
3.0 mm ruby, silicon nitride, or zirconia ball with 2.0 mm carbon fiber stem



Part Number	L1	Wt
TM3-3025-TX	25.0	0.57
TM3-3033-TX	33.0	0.61
TM3-3040-TX	40.0	0.64
TM3-3042-TX	42.0	0.65
TM3-3050-TX	50.0	0.69
TM3-3058-TX	58.0	0.72
TM3-3065-TX	65.0	0.76
TM3-3075-TX	75.0	0.80
TM3-3084-TX	84.0	0.85
TM3-30100-TX	100.0	0.92
TM3-30125-TX	125.0	1.04

M3 stylus with 3.0 mm diameter ball, 2.0 mm diameter carbon fiber stem, and 5.0 mm diameter x 9.0 mm long titanium base.

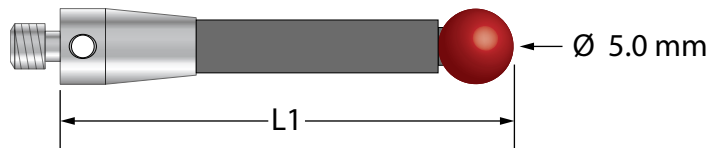
4.0 mm ruby, silicon nitride, or zirconia ball with carbon fiber stem



Part Number	L1	Ds	Wt
TM3-4025-TX	25.0	2.0	0.61
TM3-4050-TX	50.0	2.0	0.73
TM3-4052-TX	52.0	2.5	0.95
TM3-4075-TX	75.0	2.5	1.27
TM3-4090-TX	90.0	3.0	1.49

M3 stylus with 4.0 mm diameter ball, carbon fiber stem, and 5.0 mm diameter x 9.0 mm long titanium base.

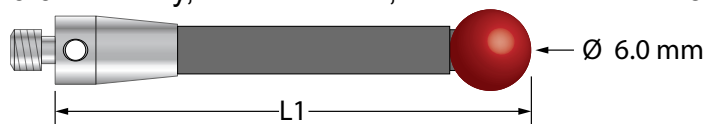
5.0 mm ruby, silicon nitride, or zirconia ball with 3.5 mm carbon fiber stem



Part Number	L1	Wt
TM3-5030-TX	30.0	0.80
TM3-5040-TX	40.0	0.95
TM3-5050-TX	50.0	1.10
TM3-5060-TX	60.0	1.25
TM3-5075-TX	75.0	1.47
TM3-50100-TX	100.0	1.84

M3 stylus with 5.0 mm diameter ball, 3.5 mm diameter carbon fiber stem, and 5.0 mm diameter x 9.0 mm long titanium base.

6.0 mm ruby, silicon nitride, or zirconia ball with 3.5 mm carbon fiber stem



Part Number	L1	Wt
TM3-6050-TX	50.0	1.33
TM3-6070-TX	70.0	1.63
TM3-60100-TX	100.0	2.08
TM3-60103-TX	103.0	2.12

M3 stylus with 6.0 mm diameter ball, 3.5 mm diameter carbon fiber stem, and 5.0 mm diameter x 9.0 mm long titanium base.

For a silicon nitride ball, add -SN to the end of the part number.

For a zirconia ball, add -Z to the end of the part number.

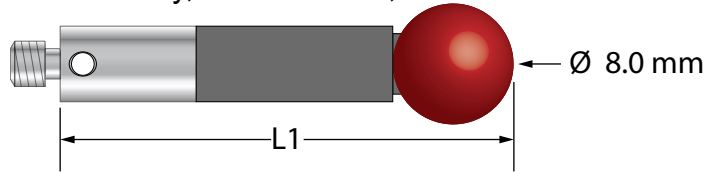


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M3 XXT titanium technology



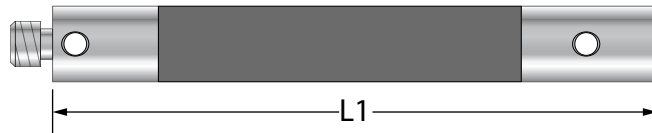
8.0 mm ruby, silicon nitride, or zirconia ball with 5.0 mm carbon fiber stem



M3 stylus with 8.0 mm diameter ball, 5.0 mm diameter carbon fiber stem, and 5.0 mm diameter x 9.0 mm long titanium base.

Part Number	L1	Wt
TM3-8030-TX	30.0	1.74
TM3-8050-TX	80.0	2.34
TM3-8070-TX	70.0	2.94
TM3-80100-TX	100.0	3.84
TM3-80125-TX	125.0	4.59

XXT extensions, carbon fiber body with titanium end fittings



Part Number	L1	Wt
VM3-20-TX	20.0	0.82
VM3-25-TX	25.0	0.97
VM3-30-TX	30.0	1.12
VM3-35-TX	35.0	1.27
VM3-40-TX	40.0	1.42
VM3-45-TX	45.0	1.57
VM3-50-TX	50.0	1.72
VM3-60-TX	60.0	2.02
VM3-65-TX	65.0	2.17
VM3-75-TX	75.0	2.47
VM3-80-TX	80.0	2.62
VM3-90-TX	90.0	2.92
VM3-100-TX	100.0	3.22
VM3-105-TX	105.0	3.37
VM3-120-TX	120.0	3.82
VM3-130-TX	130.0	3.97
VM3-140-TX	140.0	4.42
VM3-150-TX	150.0	4.57

M3 extension with 5.0 mm diameter carbon fiber stem and 5.0 mm diameter titanium end fittings.

XXT adapter plates



XXT-AP-ID



XXT-AP-ID3

Part Number	Fits	Wt
XXT-AP-ID	TL1	4.59
XXT-AP-ID3	TL3	4.59

M3 adapter plate with ID chip for XXT-ID TL1.

M3 adapter plate with ID chip for XXT-ID TL3.

Delrin® XXT Plates



Part Number	Fits	Wt
XXT-AP-ID-D	TL1	3.28
XXT-AP-ID3-D	TL3	3.28

Lightweight M3 adapter plates with ID chip for XXT-ID TL1 and XXT-ID TL3.

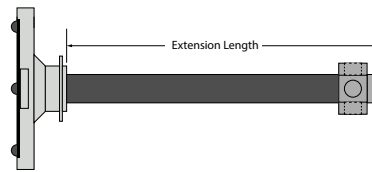


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M3 XXT titanium technology



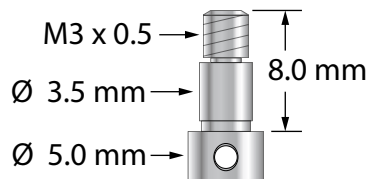
XXT Adapter plates with carbon fiber extensions and titanium star fittings



Part Number	Extension Length	Fits	Wt
XXT-AP-ID-STR	55.0	TL1	6.90
XXT-AP-ID3-STR	55.0	TL3	6.90
XXT-AP-ID3-STR-75	75.0	TL3	7.50
XXT-AP-ID3-STR-100	100.0	TL3	8.25
XXT-AP-ID3-STR-125	125.0	TL3	8.98

XXT adapter plates with carbon fiber extensions and titanium end fittings with five M3 internal threads.

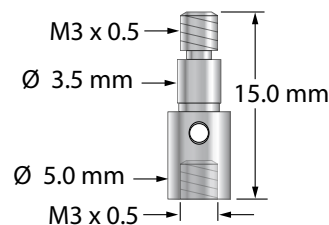
XXT clamping screw



Part Number	Wt
XXT-CS	0.48

M3 titanium clamping screw. Used to assemble cubes or knuckles to adapter plates.

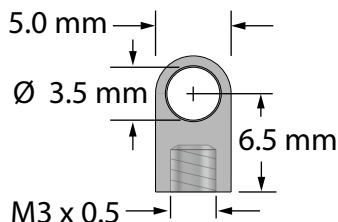
XXT clamping screw with internal M3 thread



Part Number	Wt
XXT-M3-CS	0.66

M3 titanium clamping screw with internal M3 thread. Used to assemble other XXT parts to adapter plates. The internal thread can hold an additional stylus in the minus Z direction.

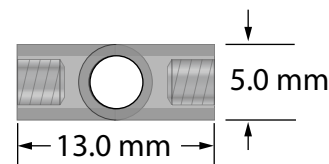
XXT single-sided cube



Part Number	Wt
XXT-90	0.54

M3 titanium single-sided cube with one internal thread.

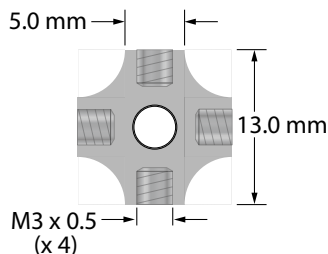
XXT double-sided cube



Part Number	Wt
XXT-180	0.90

M3 titanium double-sided cube with two internal threads.

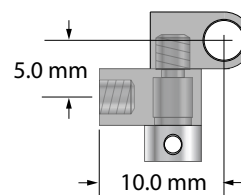
XXT four-sided cube



Part Number	Wt
XXT-WM3-13	1.64

M3 titanium four-sided cube with four internal threads and 3.5 mm diameter through hole. 5.0 mm thick.

XXT knuckle joint



Part Number	Wt
XXT-JM3	1.58

M3 titanium knuckle joint, fully adjustable. Three piece assembly. 3.5 mm diameter through hole



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M3 XXT titanium technology



XXT six-sided hub



Part Number	Wt
XXT-HUB-6	1.77

M3 titanium six-sided hub with six internal threads and 3.5 mm diameter through hole. 5.0 mm thick.

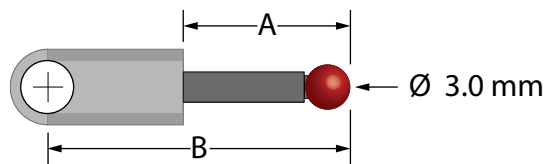
XXT eight-sided hub



Part Number	Wt
XXT-HUB-8	2.24

M3 titanium eight-sided hub with eight internal threads and 3.5 mm diameter through hole. 5.0 mm thick.

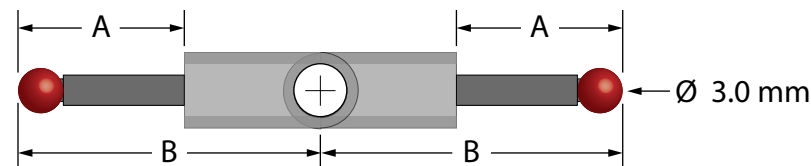
XXT styli, single end, with ruby or silicon nitride balls



Part Number	A	B	Wt
XXT-3020-L	11.0	20.0	0.72
XXT-3030-L	21.0	30.0	0.74
XXT-3040-L	31.0	40.0	0.82

XXT styli. 5.0 mm thick titanium fitting with 3.5 mm diameter through hole. Single 2.0 mm diameter carbon fiber stem with a 3.0 mm diameter ball. Used with a clamping screw (page 28) or clamping stylus (page 30).

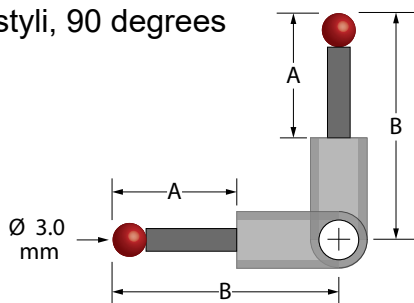
XXT styli, double end, with ruby or silicon nitride balls



Part Number	A	B	Wt
XXT-3020-180	11.0	20.0	1.34
XXT-3030-180	21.0	30.0	1.44
XXT-3040-180	31.0	40.0	1.54

XXT styli, 180 degrees. 5.0 mm square titanium center fitting with 3.5 mm diameter through hole. Two 2.0 mm diameter carbon fiber stems with 3.0 mm diameter balls. Used with a clamping screw (page 28) or clamping stylus (page 30).

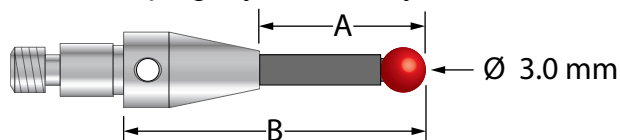
XXT styli, 90 degrees with ruby or silicon nitride balls



Part Number	A	B	Wt
XXT-3020-90	11.0	20.0	1.34
XXT-3030-90	21.0	30.0	1.44
XXT-3040-90	31.0	40.0	1.54

XXT styli, 90 degrees. 5.0 mm thick titanium center fitting with 3.5 mm diameter through hole. Two 2.0 mm diameter carbon fiber stems with 3.0 mm diameter balls. Used with a clamping screw (page 28) or clamping stylus (page 30).

XXT clamping styli, with ruby or silicon nitride balls



Part Number	A	B	Wt
TM3-3020-TX-CS	11.0	20.0	0.72
TM3-3030-TX-CS	21.0	30.0	0.81
TM3-3040-TX-CS	31.0	40.0	1.54

XXT clamping styli with 3.0 mm diameter ball, 2.0 mm diameter carbon fiber stem, and 5.0 mm diameter x 9.0 mm long titanium base.

For a silicon nitride ball, add -SN to the end of the part number.

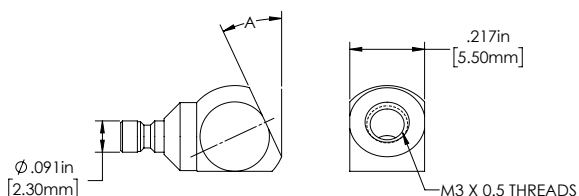


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M3 XXT titanium technology



M3 Pro Fit threaded angle blocks, titanium



Part Number	Angle "A"	Wt
WM3-5-PF-25	25.0	0.81
WM3-5-PF-30	30.0	0.81
WM3-5-PF-35	35.0	0.80
WM3-5-PF-40	40.0	0.80
WM3-5-PF-45	45.0	0.79
WM3-5-PF-55	55.0	0.77
WM3-5-PF-60	60.0	0.76
WM3-5-PF-90	90.0	0.71

M3 angled blocks with cone receptor. Titanium.

M3 Pro Fit rotary adapter with conical receiver and special wrench



Part Number	Wt
RAP-5PF-CE	0.85

M3 Pro Fit rotary adapter with conical receiver. Allows unlimited radial adjustment. Three M1.2 set screws are tightened with special wrench (shown). 5.0 mm diameter x 7.0 mm long. Stainless steel. Designed for Pro Fit threaded angle blocks, above.

M3 XXT Stylus Kit



Part Number	Description	Qty
TM3-1031-TX-8	1.0 mm ruby stylus	2
TM3-1530-TX	1.5 mm ruby stylus	2
TM3-2040-TX	2.0 mm ruby stylus	2
TM3-3050-TX	3.0 mm ruby stylus	2
VM3-100-TX	100 mm extension	1
VM3-50-TX	50 mm extension	1
PK3	Probe key	2
XXT-CS	Clamping screw	1
XXT-M3-CS	Clamping screw	1
XXT-WM3-13	Four-sided cube	1
XXT-AP-ID3	Adapter plate, TL3	1



M3 XXT stylus kit consisting of sixteen items and protective case. Includes one adapter plate for TL3 probe head.

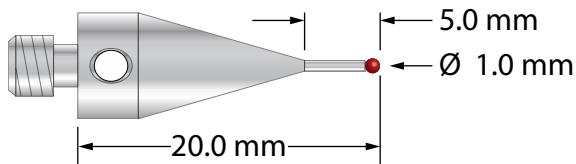
Part Number
XXT-TL3-KIT



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M4 Threads

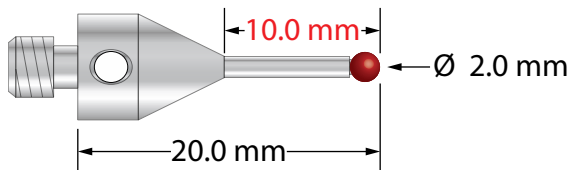
M4 stylus with 1.0 mm ruby ball, stainless steel body and stem



Part Number	Wt
TM4-1020-S	2.64

M4 stylus with 1.0 mm diameter ruby ball, 0.7 mm diameter stainless steel stem, and 7.0 mm diameter stainless steel base.

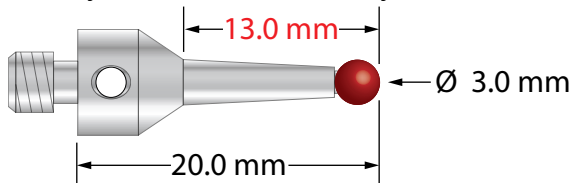
M4 stylus with 2.0 mm ruby ball, stainless steel body and stem



Part Number	Wt
TM4-2020-S	2.14

M4 stylus with 2.0 mm diameter ruby ball, 1.4 mm diameter stainless steel stem, and 7.0 mm diameter stainless steel base.

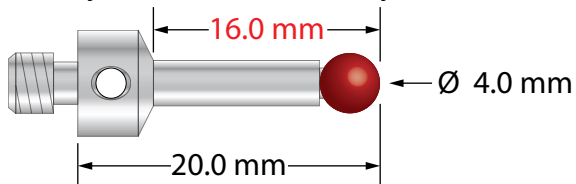
M4 stylus with 3.0 mm ruby ball, stainless steel body and stem



Part Number	Wt
TM4-3020-S	2.04

M4 stylus with 3.0 mm diameter ruby ball, tapered stainless steel stem, and 7.0 mm diameter stainless steel base.

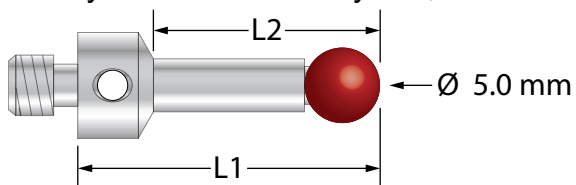
M4 stylus with 4.0 mm ruby ball, stainless steel body and stem



Part Number	Wt
TM4-4020-S	2.24

M4 stylus with 4.0 mm diameter ruby ball, 3.0 mm diameter stainless steel stem, and 7.0 mm diameter stainless steel base.

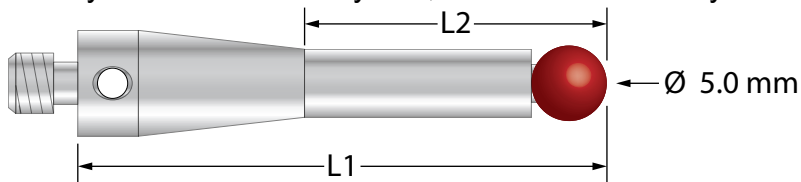
M4 styli with 5.0 mm ruby ball, stainless steel body and stem



Part Number	L1	L2	Wt
TM4-5012.5-S	12.5	7.5	2.01
TM4-5020-S	20.0	15.0	2.45
TM4-5022.5-S	22.5	17.5	2.53
TM4-5032.5-S	32.5	27.5	3.02

M4 stylus with 5.0 mm diameter ruby ball, 3.5 mm diameter stainless steel stem, and 7.0 mm diameter stainless steel base.

M4 styli with 5.0 mm ruby ball, stainless steel body and stem



Part Number	L1	L2	Wt
TM4-5052.5-S	52.5	36.5	8.36
TM4-50102.5-S	102.5	85.5	15.75
TM4-50152.5-S	152.5	132.5	19.62

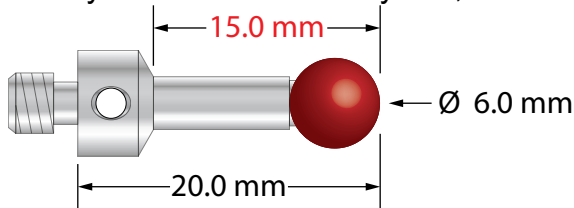
M4 stylus with 5.0 mm diameter ruby ball, 4.5 mm diameter stainless steel stem, and 7.0 mm diameter stainless steel base.



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M4 Threads

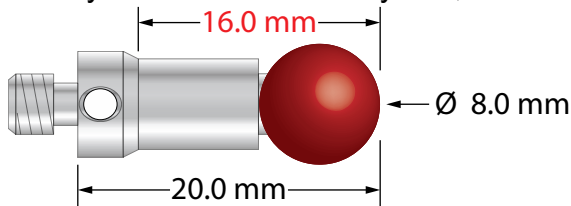
M4 stylus with 6.0 mm ruby ball, stainless steel body and stem



Part Number	Wt
TM4-6020-S	3.00

M4 stylus with 6.0 mm diameter ruby ball, 4.5 mm diameter stainless steel stem, and 7.0 mm diameter stainless steel base.

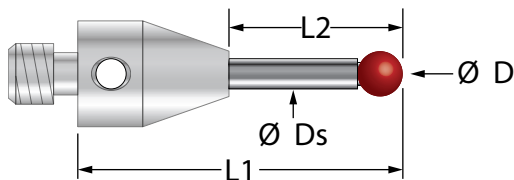
M4 stylus with 8.0 mm ruby ball, stainless steel body and stem



Part Number	Wt
TM4-8020-S	4.28

M4 stylus with 8.0 mm diameter ruby ball, 6.0 mm diameter stainless steel stem, and 7.0 mm diameter stainless steel base.

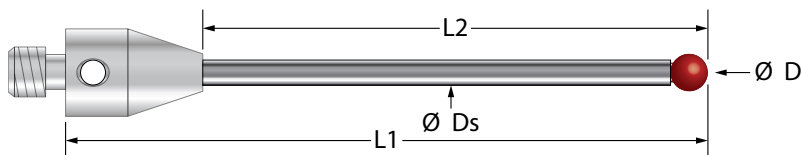
M4 styli with ruby ball, stainless steel body, and carbide stem



Part Number	D	Ds	L1	L2	Wt
TM4-1020.5-DS.7	1.0	0.7	20.5	10.5	2.13
TM4-2021	2.0	1.5	21.0	11.0	2.45
TM4-3021.5	3.0	2.0	21.5	11.5	2.68
TM4-4022	4.0	2.0	22.0	12.0	2.74
TM4-6023	6.0	2.5	23.0	13.0	3.24

M4 stylus with ruby ball, carbide stem, and 7.0 mm diameter x 10.0 mm long stainless steel base.

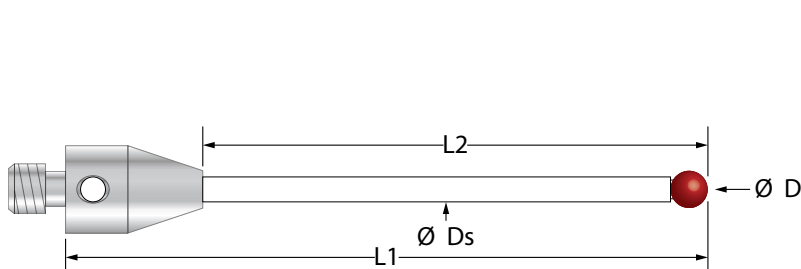
M4 styli with ruby ball, stainless steel body, and carbide stem



Part Number	D	Ds	L1	L2	Wt
TM4-2051	2.0	1.5	51.0	41.0	3.19
TM4-3051.5	3.0	2.0	51.5	41.5	4.02
TM4-4052	4.0	2.5	52.0	42.0	4.08
TM4-5052.5	5.0	2.5	52.5	42.5	5.12
TM4-6053	6.0	2.5	53.0	39.0	5.28

M4 stylus with ruby ball, carbide stem, and 7.0 mm diameter stainless steel base.

M4 styli with ruby ball, stainless steel body, and ceramic stem



Part Number	D	Ds	L1	L2	Wt
TM4-3041.5-C	3.0	2.0	41.5	31.5	2.59
TM4-4052-C	4.0	3.0	52.0	42.0	3.11
TM4-5052.5-C	5.0	3.5	52.5	42.5	3.71
TM4-5077.5-C	5.0	3.5	77.5	67.5	4.64
TM4-50102.5-C	5.0	3.5	102.5	90.5	5.91
TM4-6053-C	6.0	4.5	53.0	43.0	4.68
TM4-6078-C	6.0	4.5	78.0	68.0	6.23
TM4-60103-C	6.0	4.5	103.0	91.0	7.95
TM4-60153-C	6.0	4.5	153.0	141.0	11.06
TM4-8054-C	8.0	4.5	54.0	42.0	5.14
TM4-8079-C	8.0	4.5	79.0	67.0	6.69
TM4-80104-C	8.0	4.5	104.00	92.0	8.41

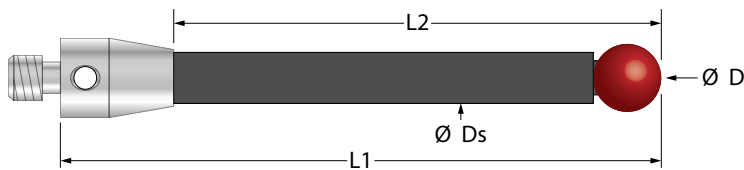
M4 stylus with ruby ball, ceramic stem, and 7.0 mm diameter stainless steel base.



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M4 Threads

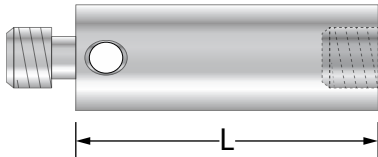
M4 styli with 6.0 mm ruby ball, stainless steel body, and carbon fiber stem



Part Number	D	L1	L2	Wt
TM4-6053-G	6.0	53.0	43.0	3.18
TM4-60103-DS4.5-G	6.0	103.0	91.0	4.58
TM4-60153-G	6.0	153.0	138.0	6.05
TM4-60203-G	6.0	203.0	188.0	7.28
TM4-60303-G	6.0	303.0	288.0	9.73
TM4-80304-G	8.0	304.0	288.0	10.25

M4 stylus with ruby ball, 4.5 mm diameter carbon fiber stem, and 7.0 mm diameter stainless steel base.

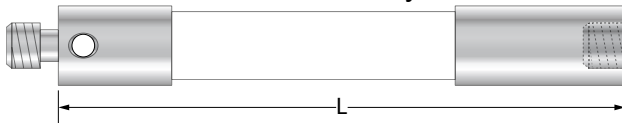
M4 extensions, stainless steel



M4 extension, 7.0 mm diameter stainless steel.

Part Number	L	Wt
VM4-10	10.0	1.52
VM4-15	15.0	3.68
VM4-20	20.0	5.43
VM4-30	30.0	8.35
VM4-50	50.0	14.25

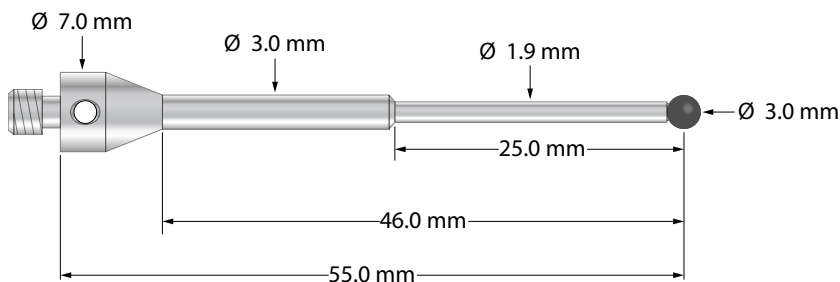
M4 extensions, ceramic body with stainless steel end fittings



M4 extension, 6.0 mm diameter ceramic with 7.0 mm diameter stainless steel fittings.

Part Number	L	Wt
VM4-30-C	30.0	6.33
VM4-50-C	50.0	8.40
VM4-100-C	100.0	13.58
VM4-200-C	200.0	23.94

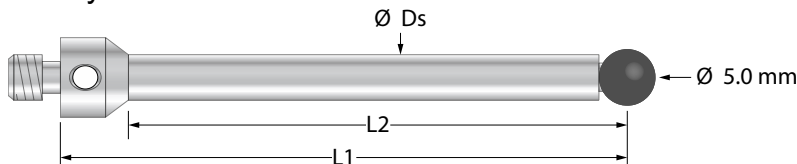
M4 stylus with 3.0 mm carbide ball and stainless steel base and stem, electrically conductive



Part Number	Wt
TM4-3056.5-EC	3.82

M4 stylus with 3.0 mm diameter carbide ball and stainless steel base and stem. Stylus is electrically conductive.

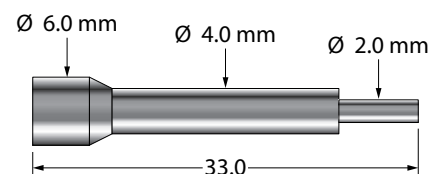
M4 styli with 5.0 mm carbide ball and stainless steel base and stem, electrically conductive



Part Number	L1	L2	Ds	Wt
TM4-5052.5-EC	50.0	44.0	4.5	5.85
TM4-5056.5-EC	54.0	48.0	3.9	6.09
TM4-50102.5-EC	100.0	80.0	4.5	15.52
TM4-50152.5-EC	150.0	130.0	4.5	27.94

M4 styli with 5.0 mm diameter carbide ball and stainless steel base and stem.

M4 probe wrench, golf tee style



Part Number	Wt
PK-4-GT	3.50

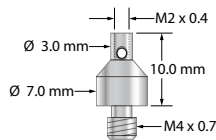
M4 probe key. Made from hardened and tempered tool steel.



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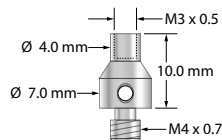
M4 Threads

M4 thread adapters, stainless steel



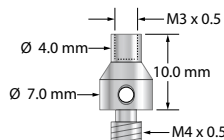
RM4-M2

Part Number	Wt
RM4-M2	1.88



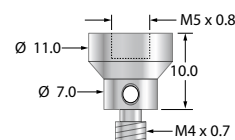
RM4-M3

Part Number	Wt
RM4-M3	1.72



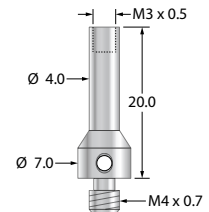
RDEA-M3
FINE THREAD

Part Number	Wt
RDEA-M3	1.71



RM4-M5

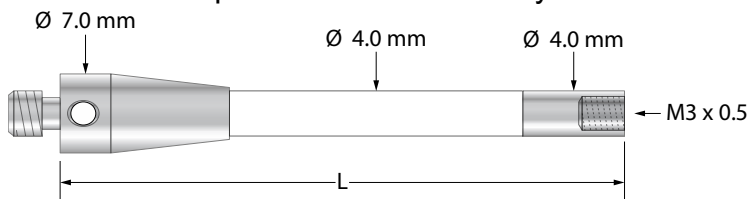
Part Number	Wt
RM4-M5	4.50



RM4-M3-L

Part Number	Wt
RM4-M3-L	2.71

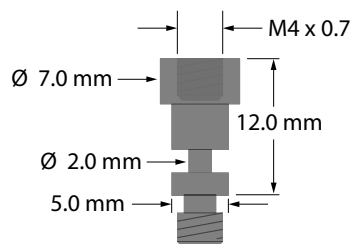
M4 thread adapters with ceramic body and stainless steel end fittings



Part Number	L	Wt
RM4-50-M3-C	50.0	4.36
RM4-75-M3-C	75.0	5.18
RM4-100-M3-C	100.0	6.27

M4 thread adapters. Stainless steel end fittings with ceramic body.

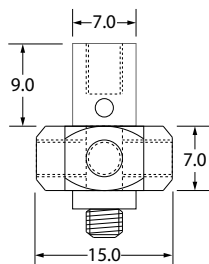
M4 weak link



Part Number	Wt
M4-WL	2.26

"Weak Link" with M4 male and M4 female threads. Machined from SAE 4140 chromoly steel. Black oxide finish.

M4 star hub, 5-way



Part Number	Wt
KM4-18	11.63

M4 5-way hub. Fully adjustable, two-piece assembly. Stainless steel.

M4 rotary knuckle



Part Number	Wt
RJM4-33	15.09

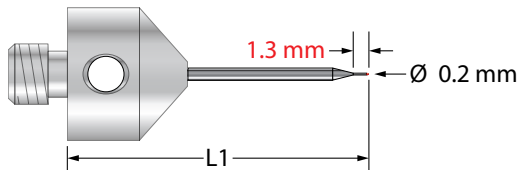
M4 rotary knuckle with ball bearing for unlimited radial adjustment and a clevis knuckle for 180 degree axial adjustment. Stainless steel. Overall length is 33.0 mm.



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M5 Threads

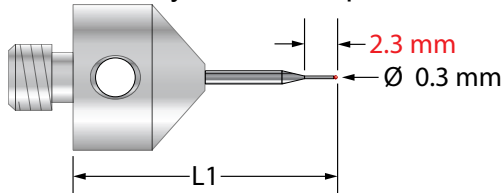
0.2 mm ruby ball with tapered carbide stem



Part Number	L1	Wt
AFG-0225-T	25.0	5.62

M5 stylus with 0.2 mm diameter ruby ball, tapered carbide stem, and 11.0 mm diameter x 10.0 mm long titanium base. Minor stem diameter is 0.15 mm and major diameter is 1.0 mm.

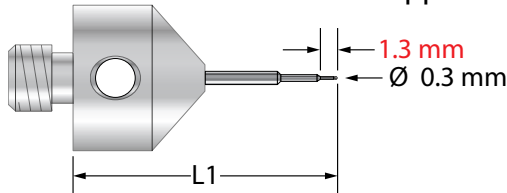
0.3 mm ruby ball with tapered carbide stem



Part Number	L1	Wt
AFG-0318-R	18.0	5.58
AFG-0320-R	20.0	5.65
AFG-0323-R	23.0	5.68

M5 stylus with 0.3 mm diameter ruby ball, tapered carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base. Minor stem diameter is 0.2 mm and major diameter is 1.0 mm.

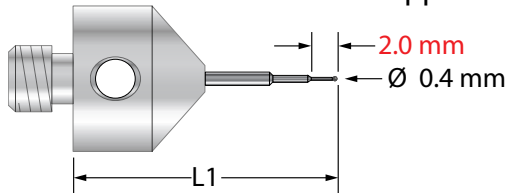
0.3 mm carbide ball with stepped carbide stem



Part Number	L1	Wt
AFG-0320-C	20.0	5.60
AFG-0325-C	25.0	5.65

M5 stylus with 0.3 mm diameter carbide ball, stepped carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base. Minor stem diameter is 0.2 mm, intermediate diameter is 0.5 mm, and major diameter is 1.0 mm.

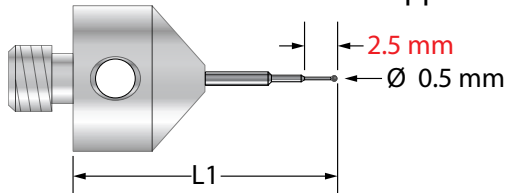
0.4 mm carbide ball with stepped carbide stem



Part Number	L1	Wt
AFG-0420-C	20.0	5.60
AFG-0425-C	25.0	5.65

M5 stylus with 0.4 mm diameter carbide ball, stepped carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base. Minor stem diameter is 0.25 mm, intermediate diameter is 0.5 mm, and major diameter is 1.0 mm.

0.5 mm carbide ball with stepped carbide stem



Part Number	L1	Wt
AFG-0520-C	20.0	5.60
AFG-0525-C	25.0	5.66
AFG-0530-C	30.0	5.72
AFG-0540-C	40.0	5.84

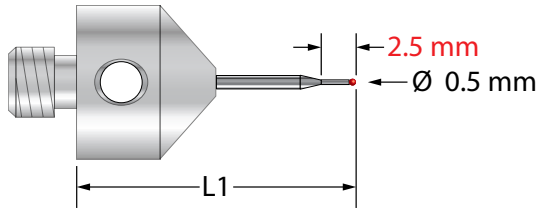
M5 stylus with 0.5 mm diameter carbide ball, stepped carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base. Minor stem diameter is 0.3 mm, intermediate diameter is 0.5 mm, and major diameter is 1.0 mm.



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M5 Threads

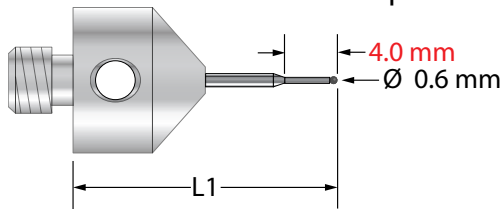
0.5 mm ruby or silicon nitride ball with tapered carbide stem



Part Number	L1	Wt
AFG-0515	15.0	5.64
AFG-0520	20.0	5.66
AFG-0522	22.0	5.70
AFG-0525	25.0	5.72
AFG-0530	30.0	5.78
AFG-0540	40.0	5.90
AFG-0550	50.0	6.02
AFG-0555	55.0	6.08

M5 stylus with 0.5 mm diameter ball, tapered carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base. Minor stem diameter is 0.3 mm and major diameter is 1.0 mm.

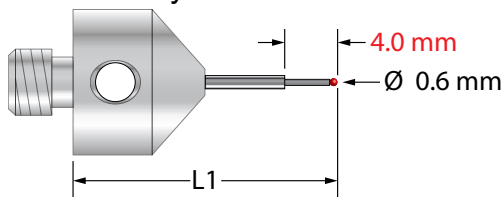
0.6 mm carbide ball with tapered carbide stem



Part Number	L1	Wt
AFG-0620-C	20.0	5.62
AFG-0625-C	25.0	5.68
AFG-0630-C	30.0	5.74

M5 stylus with 0.6 mm diameter carbide ball, tapered carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base. Minor stem diameter is 0.43 mm and major diameter is 1.0 mm.

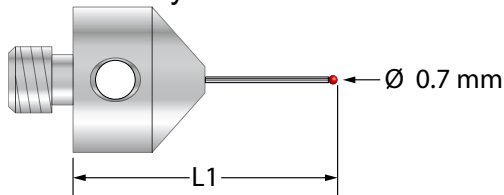
0.6 mm ruby or silicon nitride ball with stepped carbide stem



Part Number	L1	Wt
AFG-0620	15.0	5.62
AFG-0622.1	20.0	5.65
AFG-0625	22.0	5.68
AFG-0640	25.0	5.86

M5 stylus with 0.6 mm diameter ball, stepped carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base. Minor stem diameter is 0.43 mm and major diameter is 1.0 mm.

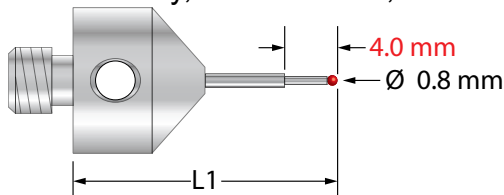
0.7 mm ruby or zirconia ball with 0.5 mm carbide stem



Part Number	L1	Wt
AFG-0720	20.0	5.62
AFG-0730	30.0	5.74

M5 stylus with 0.7 mm diameter ball, 0.5 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base.

0.8 mm ruby, silicon nitride, or zirconia ball with stepped carbide stem



Part Number	L1	Wt
AFG-0820	20.0	5.65
AFG-0825	25.0	5.71
AFG-0830	30.0	5.77
AFG-0832	32.0	5.79
AFG-0840	40.0	5.89

M5 stylus with 0.8 mm diameter ball, stepped carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base. Minor stem diameter is 0.6 mm, major diameter is 1.0 mm.

For a silicon nitride ball, add -SN to the end of the part number.

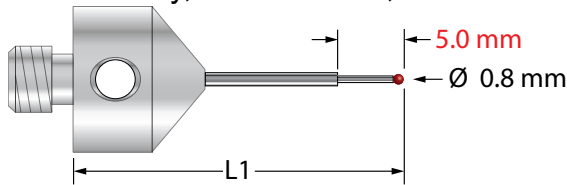
For a zirconia ball, add -Z to the end of the part number.



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M5 Threads

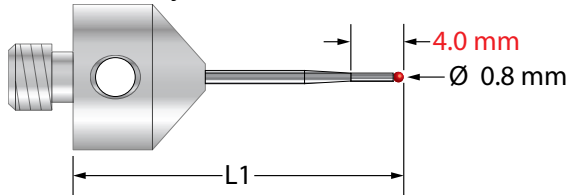
0.8 mm ruby, silicon nitride, or zirconia ball with stepped carbide stem



Part Number	L1	Wt
AFG-0825-L5	25.0	5.51
AFG-0833-L5	33.0	5.60

M5 stylus with 0.8 mm diameter ball, stepped carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base. Minor stem diameter is 0.6 mm, major diameter is 1.0 mm.

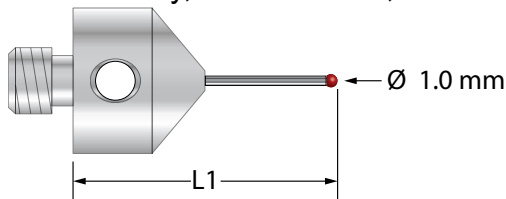
0.8 mm ruby, silicon nitride, or zirconia ball with tapered carbide stem



Part Number	L1	Wt
AFG-0820-T	20.0	5.65
AFG-0825-T	25.0	5.71
AFG-0830-T	30.0	5.77
AFG-0840-T	40.0	5.89

M5 stylus with 0.8 mm diameter ball, tapered carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base. Minor stem diameter is 0.6 mm, major diameter is 1.0 mm.

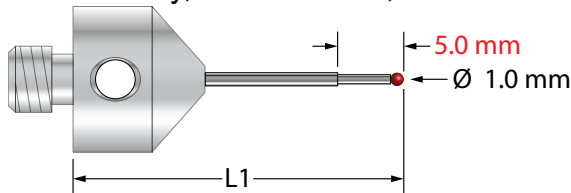
1.0 mm ruby, silicon nitride, or zirconia ball with 0.7 mm carbide stem



Part Number	L1	Wt
AFG-1020-DS.7	20.0	5.65
AFG-1020.5-DS.7	20.5	5.68
AFG-1025-DS.7	25.0	5.72
AFG-1030-DS.7	30.0	5.78
AFG-1030.5-DS.7	30.5	5.79
AFG-1040-DS.7	40.0	5.84

M5 stylus with 1.0 mm diameter ball, 0.7 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base.

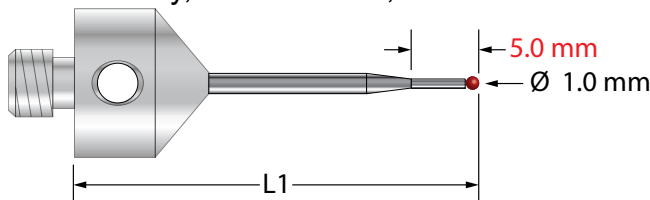
1.0 mm ruby, silicon nitride, or zirconia ball with stepped carbide stem



Part Number	L1	Wt
AFG-1020	20.0	5.65
AFG-1022.5	22.5	5.66
AFG-1025	25.0	5.71

M5 stylus with 1.0 mm diameter ball, stepped carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base. Minor stem diameter is 0.7 mm, major diameter is 1.0 mm.

1.0 mm ruby, silicon nitride, or zirconia ball with tapered carbide stem



Part Number	L1	Wt
AFG-1030	30.0	5.77
AFG-1040	35.0	5.89
AFG-1058	58.0	6.09
AFG-1080	60.0	6.33

M5 stylus with 1.0 mm diameter ball, tapered carbide stem, and 11.0 mm diameter x 10.0 mm long hard anodized aluminum base. Minor stem diameter is 0.7 mm, major diameter is 1.5 mm.

For a silicon nitride ball, add -SN to the end of the part number.

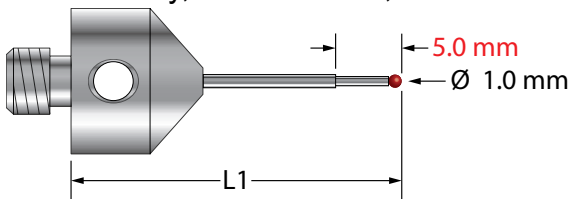
For a zirconia ball, add -Z to the end of the part number.



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M5 Threads

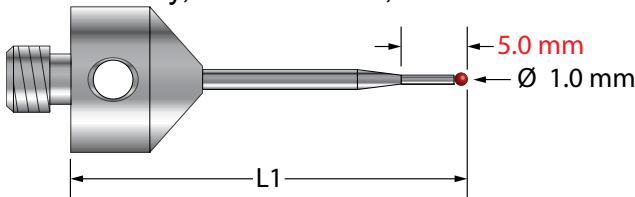
1.0 mm ruby, silicon nitride, or zirconia ball with stepped carbide stem and light weight design



Part Number	L1	Wt
AFG-1020-L	20.0	2.08
AFG-1025-L	25.0	2.10

M5 stylus with 1.0 mm diameter ball, stepped carbide stem, and 11.0 mm diameter x 10.0 mm long hard anodized aluminum base. Minor stem diameter is 0.7 mm, major diameter is 1.0 mm.

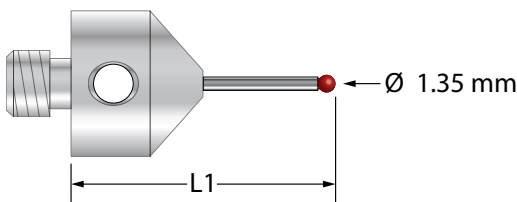
1.0 mm ruby, silicon nitride, or zirconia ball with tapered carbide stem and light weight design



Part Number	L1	Wt
AFG-1030-L	30.0	2.14
AFG-1035-L	35.0	2.20
AFG-1060-L	60.0	2.48

M5 stylus with 1.0 mm diameter ball, tapered carbide stem, and 11.0 mm diameter x 10.0 mm long hard anodized aluminum base. Minor stem diameter is 0.7 mm, major diameter is 1.5 mm.

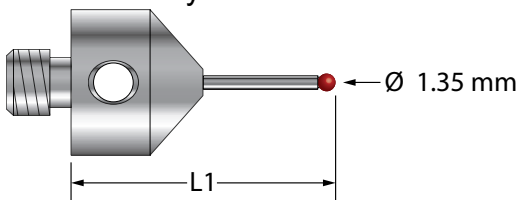
1.35 mm ruby or silicon nitride ball with 1.0 mm carbide stem



Part Number	L1	Wt
AFG-1320	20.0	5.63
AFG-1325	25.0	5.69
AFG-1330	30.0	5.75
AFG-1332	32.0	5.77
AFG-1333	33.0	5.78
AFG-1335	35.0	5.81
AFG-1340	40.0	5.87
AFG-1344	44.0	5.93
AFG-1346	46.0	6.03

M5 stylus with 1.35 mm diameter ball, 1.0 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base.

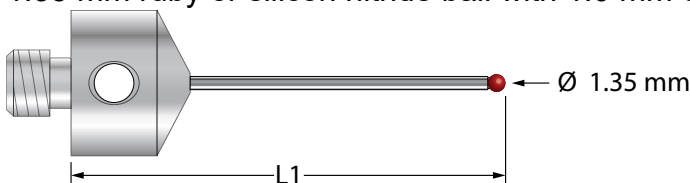
1.35 mm ruby or silicon nitride ball with 1.0 mm carbide stem, light weight design



Part Number	L1	Wt
AFG-1325-L	25.0	2.12
AFG-1340-L	40.0	2.30
AFG-1346-L	46.0	2.46

M5 stylus with 1.35 mm diameter ball, 1.0 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long hard anodized aluminum base.

1.35 mm ruby or silicon nitride ball with 1.0 mm carbide stem and 9.0 mm long base



Part Number	L1	Wt
AFG-1332.85-DS1	32.85	5.77

M5 stylus with 1.35 mm diameter ball, 1.0 mm diameter carbide stem, and 11.0 mm diameter x 9.0 mm long stainless steel base.

For a silicon nitride ball, add -SN to the end of the part number.

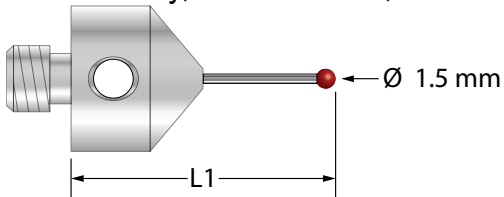
For a zirconia ball, add -Z to the end of the part number.



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M5 Threads

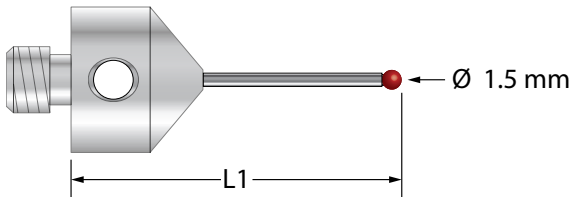
1.5 mm ruby, silicon nitride, or zirconia ball with 0.7 mm carbide stem



Part Number	L1	Wt
AFG-1520-DS.7	20.0	5.59

M5 stylus with 1.5 mm diameter ball, 0.7 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base.

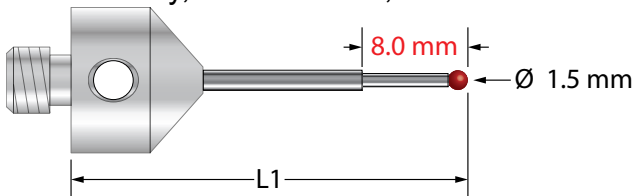
1.5 mm ruby, silicon nitride, or zirconia ball with 1.0 mm carbide stem



Part Number	L1	Wt
AFG-1515	15.0	5.57
AFG-1520	20.0	5.63
AFG-1520.75	20.75	5.64
AFG-1525	25.0	5.69
AFG-1530-DS1	30.0	5.75
AFG-1533-DS1	33.0	5.78
AFG-1535-DS1	35.0	5.80
AFG-1540-DS1	40.0	5.86
AFG-1540.75-DS1	40.75	5.93
AFG-1545-DS1	45.0	6.04

M5 stylus with 1.5 mm diameter ball, 1.0 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base.

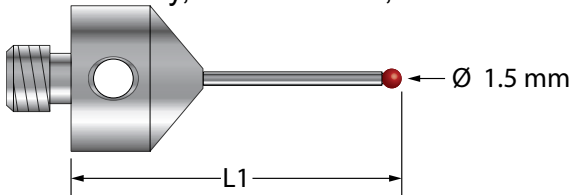
1.5 mm ruby, silicon nitride, or zirconia ball with stepped carbide stem



Part Number	L1	Wt
AFG-1530	30.0	6.05
AFG-1535	35.0	6.17
AFG-1540	40.0	6.29
AFG-1545	45.0	6.41
AFG-1550	50.0	6.53

M5 stylus with 1.5 mm diameter ball, stepped carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base. Minor stem diameter is 1.0 mm, major diameter is 1.5 mm.

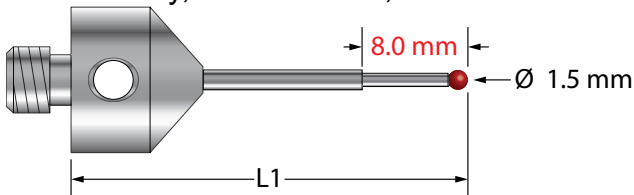
1.5 mm ruby, silicon nitride, or zirconia ball with 1.0 mm carbide stem, light weight design



Part Number	L1	Wt
AFG-1515-L	15.0	2.00
AFG-1520-L	20.0	2.06
AFG-1525-L	25.0	2.12

M5 stylus with 1.5 mm diameter ball, 1.0 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long hard anodized aluminum base.

1.5 mm ruby, silicon nitride, or zirconia ball with stepped carbide stem, light weight design



Part Number	L1	Wt
AFG-1530-L	30.0	2.42

M5 stylus with 1.5 mm diameter ball, stepped carbide stem, and 11.0 mm diameter x 10.0 mm hard anodized aluminum base. Minor stem diameter is 1.0 mm, major diameter is 1.5 mm.

For a silicon nitride ball, add -SN to the end of the part number.

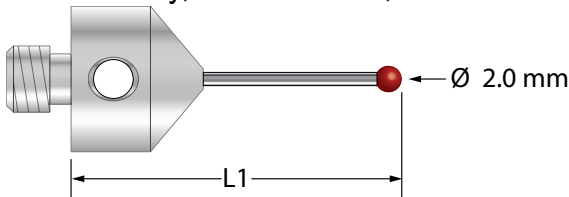
For a zirconia ball, add -Z to the end of the part number.



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M5 Threads

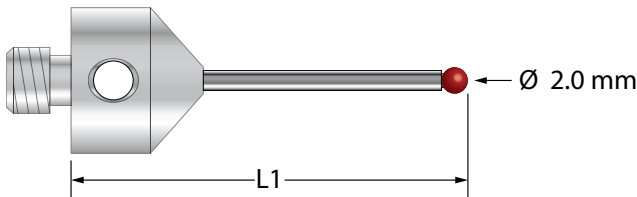
2.0 mm ruby, silicon nitride, or zirconia ball with 1.0 mm carbide stem



Part Number	L1	Wt
AFG-2020	20.0	5.60
AFG-2021	21.0	5.61
AFG-2025	25.0	5.66
AFG-2031-DS1	31.0	5.72
AFG-2041-DS1	41.0	5.83
AFG-2051-DS1	51.0	5.96

M5 stylus with 2.0 mm diameter ball, 1.0 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base.

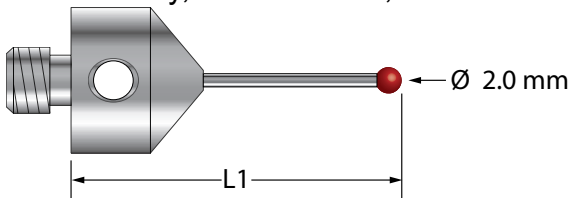
2.0 mm ruby, silicon nitride, or zirconia ball with 1.5 mm carbide stem



Part Number	L1	Wt
AFG-2030	30.0	6.08
AFG-2033.5	33.5	6.17
AFG-2035	35.0	6.20
AFG-2040	40.0	6.32
AFG-2045	45.0	6.45
AFG-2050	50.0	6.57
AFG-2060	60.0	6.82
AFG-2080	80.0	7.32
AFG-2081	81.0	7.34
AFG-20100	100.0	7.81

M5 stylus with 2.0 mm diameter ball, 1.5 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base.

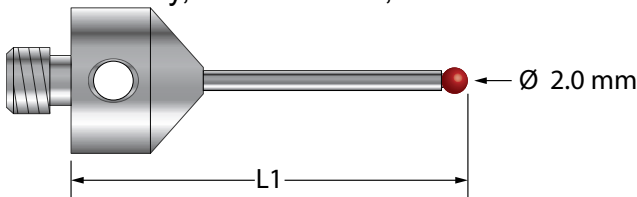
2.0 mm ruby, silicon nitride, or zirconia ball with 1.0 mm carbide stem, light weight design



Part Number	L1	Wt
AFG-2020-L	20.0	2.06
AFG-2025-L	25.0	2.12

M5 stylus with 2.0 mm diameter ball, 1.0 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long hard anodized aluminum base.

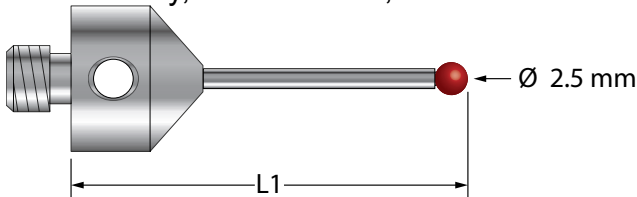
2.0 mm ruby, silicon nitride, or zirconia ball with 1.5 mm carbide stem, light weight design



Part Number	L1	Wt
AFG-2030-L	30.0	2.39
AFG-2035-L	35.0	2.51
AFG-2040-L	40.0	2.63

M5 stylus with 2.0 mm diameter ball, 1.5 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long hard anodized aluminum base.

2.5 mm ruby, silicon nitride, or zirconia ball with 1.5 mm carbide stem, light weight design



Part Number	L1	Wt
AFG-2520-L	20.0	2.18
AFG-2525-L	25.0	2.30
AFG-2530-L	30.0	2.42
AFG-2535-L	35.0	2.74
AFG-2540-L	40.0	2.88

M5 stylus with 2.5 mm diameter ball, 1.5 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long hard anodized aluminum base.

For a silicon nitride ball, add -SN to the end of the part number.

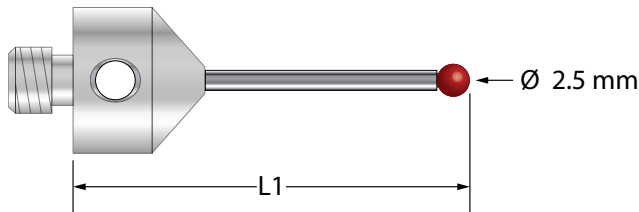
For a zirconia ball, add -Z to the end of the part number.



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M5 Threads

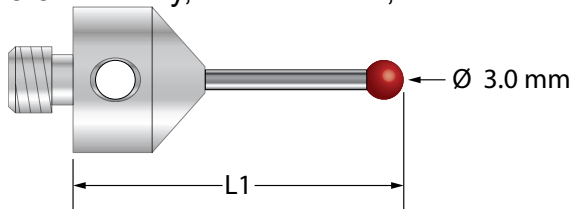
2.5 mm ruby, silicon nitride, or zirconia ball with 1.5 mm carbide stem



Part Number	L1	Wt
AFG-2520	20.0	5.75
AFG-2521.25	21.25	5.77
AFG-2525	25.0	5.87
AFG-2530	30.0	5.99
AFG-2531.25	31.25	6.02
AFG-2534	34.0	6.26
AFG-2535	35.0	6.31
AFG-2540	40.0	6.45
AFG-2550	50.0	6.74
AFG-2565	65.0	6.85
AFG-2575	75.0	7.10

M5 stylus with 2.5 mm diameter ball, 1.5 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base.

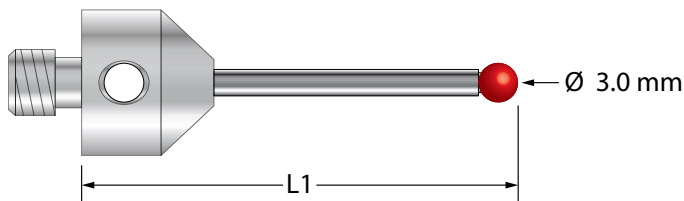
3.0 mm ruby, silicon nitride, or zirconia ball with 1.5 mm carbide stem



Part Number	L1	Wt
ATG-3015	15.0	5.63
ATG-3020	20.0	5.91
ATG-3025	25.0	6.01

M5 stylus with 3.0 mm diameter ball, 1.5 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base.

3.0 mm ruby, silicon nitride, or zirconia ball with 2.0 mm carbide stem



Part Number	L1	Wt
ATG-3021.5	21.5	5.91
ATG-3025-DS2	25.0	6.37
ATG-3030	30.0	6.61
ATG-3033	33.0	6.75
ATG-3033.5	33.5	6.78
ATG-3035	35.0	6.84
ATG-3040	40.0	7.06
ATG-3041.5	41.5	7.18
ATG-3045	45.0	7.28
ATG-3050	50.0	7.50
ATG-3051.5	51.5	7.62
ATG-3058	58.0	7.86
ATG-3060	60.0	7.95
ATG-3063	63.0	8.08
ATG-3065	65.0	8.17
ATG-3070	70.0	8.40
ATG-3075	75.0	8.62
ATG-3080	80.0	8.84
ATG-3085	85.0	9.07
ATG-3090	90.0	9.29
ATG-30100	100.0	9.73
ATG-30110	110.0	10.18
ATG-30118	118.0	10.54
ATG-30120	120.0	10.63

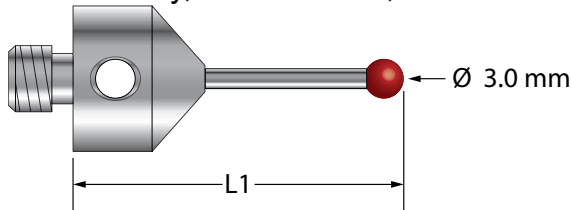
M5 stylus with 3.0 mm diameter ball, 2.0 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base.



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M5 Threads

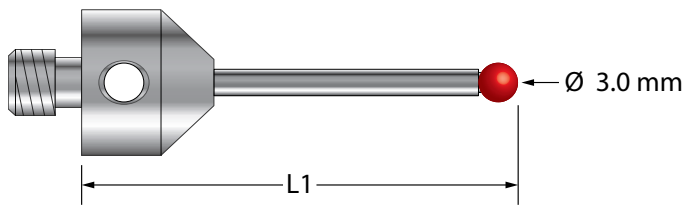
3.0 mm ruby, silicon nitride, or zirconia ball with 1.5 mm carbide stem, light weight design



Part Number	L1	Wt
ATG-3020-L	20.0	2.21
ATG-3025-L	25.0	2.43

M5 stylus with 3.0 mm diameter ball, 1.5 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long hard anodized aluminum base.

3.0 mm ruby, silicon nitride, or zirconia ball with 2.0 mm carbide stem, light weight design



Part Number	L1	Wt
ATG-3030-L	30.0	2.88
ATG-3033-L	33.0	3.02
ATG-3050-L	50.0	3.78
ATG-3058-L	58.0	4.14
ATG-3065-L	65.0	4.45
ATG-3080-L	80.0	5.12

M5 stylus with 3.0 mm diameter ball, 2.0 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long hard anodized aluminum base.

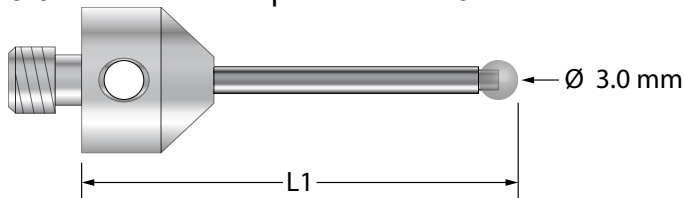
3.0 mm ruby, silicon nitride, or zirconia ball with 2.0 mm carbon fiber stem and titanium base



Part Number	L1	Wt
ATG-3025-TX	30.0	3.34
ATG-3033-TX	33.0	3.37
ATG-3050-TX	50.0	3.45
ATG-3058-TX	58.0	3.49

M5 stylus with 3.0 mm diameter ball, 2.0 mm diameter Therm-X carbon fiber stem, and 11.0 mm diameter x 10.0 mm long titanium base.

3.0 mm diamond sphere with 2.0 mm carbide stem



Part Number	L1	Wt
ATG-3033-D	33.0	6.75
ATG-3058-D	58.0	7.86
ATG-3075-D	75.0	8.62

M5 stylus with 3.0 mm diameter diamond sphere, 2.0 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base.

For a silicon nitride ball, add -SN to the end of the part number.

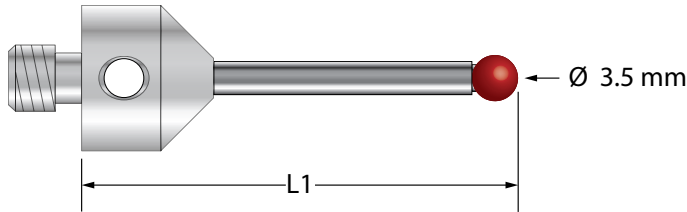
For a zirconia ball, add -Z to the end of the part number.



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M5 Threads

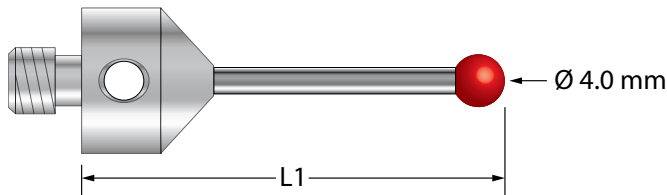
3.5 mm ruby, silicon nitride, or zirconia ball with 2.5 mm carbide stem



Part Number	L1	Wt
ATG-3518	18.0	6.14
ATG-3530	30.0	6.96
ATG-3533	33.0	7.16
ATG-3535	35.0	7.30
ATG-3545	45.0	7.98
ATG-3550	50.0	8.32
ATG-3555	55.0	8.66
ATG-3558	58.0	8.86
ATG-3560	60.0	9.00
ATG-3575	75.0	10.02
ATG-3580	80.0	10.36
ATG-3590	90.0	11.04
ATG-35100	100.0	11.72

M5 stylus with 3.5 mm diameter ball, 2.5 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base.

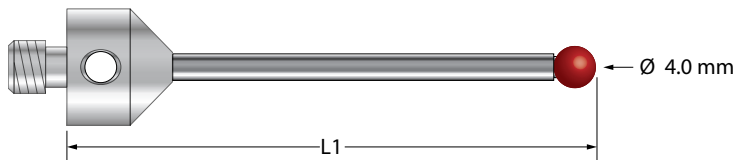
4.0 mm ruby, silicon nitride, or zirconia ball with 2.0 mm carbide stem



Part Number	L1	Wt
ATG-4022	22.0	5.91
ATG-4025	25.0	6.42
ATG-4030	30.0	6.64
ATG-4032	32.0	6.72
ATG-4033	33.0	6.77
ATG-4033.5	33.5	6.80
ATG-4035	35.0	6.86
ATG-4040	40.0	7.08
ATG-4052	52.0	7.67

M5 stylus with 4.0 mm diameter ball, 2.0 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base.

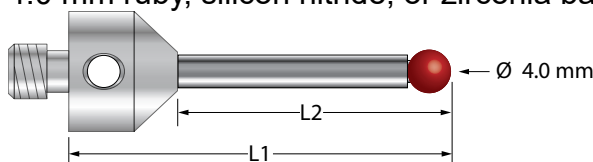
4.0 mm ruby, silicon nitride, or zirconia ball with 2.5 mm carbide stem



Part Number	L1	Wt
ATG-4050	50.0	8.34
ATG-4055	55.0	8.68
ATG-4058	58.0	8.88
ATG-4060	60.0	9.02
ATG-4064	64.0	9.29
ATG-4070	70.0	9.70
ATG-4075	75.0	10.04
ATG-4080	80.0	10.38
ATG-4085	85.0	10.72
ATG-4090	90.0	11.06
ATG-4095	95.0	11.40
ATG-40100	100.0	11.74
ATG-40110	110.0	12.42
ATG-40120	120.0	13.10

M5 stylus with 4.0 mm diameter ball, 2.5 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base.

4.0 mm ruby, silicon nitride, or zirconia ball with 3.0 mm carbide stem



Part Number	L1	L2	Wt
ATG-4077-DS3	77.0	67.0	11.44
ATG-40135	135.0	125.0	18.32
ATG-40150	150.0	135.0	21.14

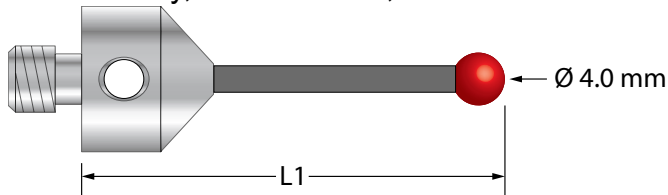
M5 stylus with 4.0 mm diameter ball, 3.0 mm diameter carbide stem, and 11.0 mm diameter stainless steel base.



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M5 Threads

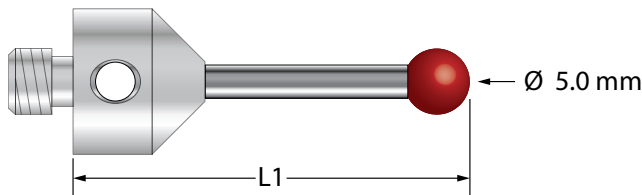
4.0 mm ruby, silicon nitride, or zirconia ball with 2.0 mm carbon fiber stem and titanium base



Part Number	L1	Wt
ATG-4033-TX	33.0	3.45
ATG-4064-TX	64.0	3.60

M5 stylus with 4.0 mm diameter ball, 2.0 mm diameter Therm-X carbon fiber stem, and 11.0 mm diameter x 10.0 mm long titanium base.

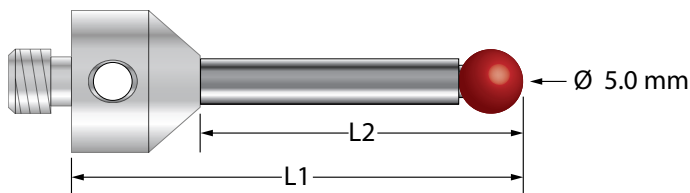
5.0 mm ruby, silicon nitride, or zirconia ball with 2.5 mm carbide stem



Part Number	L1	Wt
ATG-5015	15.0	6.35
ATG-5020	20.0	6.69
ATG-5022.5	22.5	6.86
ATG-5030	30.0	7.37
ATG-5033	33.0	7.57
ATG-5035	35.0	7.71
ATG-5040	40.0	8.05

M5 stylus with 5.0 mm diameter ball, 2.5 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base.

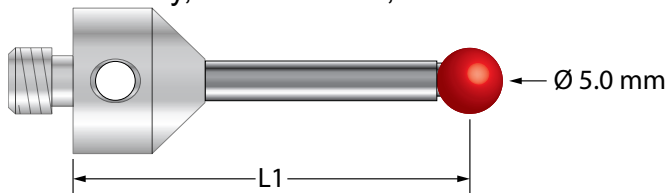
5.0 mm ruby, silicon nitride, or zirconia ball with 3.5 mm carbide stem



Part Number	L1	L2	Wt
ATG-5045	45.0	35.0	10.48
ATG-5050	50.0	40.0	11.18
ATG-5053	53.0	43.0	11.59
ATG-5058	58.0	48.0	12.28
ATG-5060	60.0	50.0	12.56
ATG-5063	63.0	53.0	12.70
ATG-5065	65.0	55.0	12.97
ATG-5070	70.0	60.0	13.67
ATG-5075	75.0	65.0	14.36
ATG-5080	80.0	70.0	15.05
ATG-5085	85.0	75.0	15.74
ATG-5090	90.0	80.0	16.43
ATG-50100	100.0	90.0	17.82
ATG-50105	105.0	95.0	18.51
ATG-50114	114.0	104.0	19.75
ATG-50120	120.0	110.0	20.58
ATG-50125	125.0	110.0	21.27
ATG-50130	130.0	115.0	23.80
ATG-50135	135.0	120.0	24.49
ATG-50140	140.0	125.0	25.18

M5 stylus with 5.0 mm diameter ball, 3.5 mm diameter carbide stem, and 11.0 mm diameter stainless steel base.

5.0 mm ruby, silicon nitride, or zirconia ball with 3.0 mm carbide stem



Part Number	L1	Wt
ATG-5032.5	30.0	6.88
ATG-5052.5	50.0	8.87
ATG-5077.5-DS3	75.0	11.63

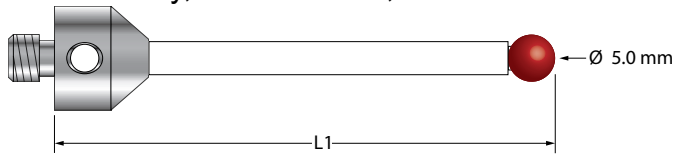
M5 stylus with 5.0 mm diameter ball, 3.0 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base.



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M5 Threads

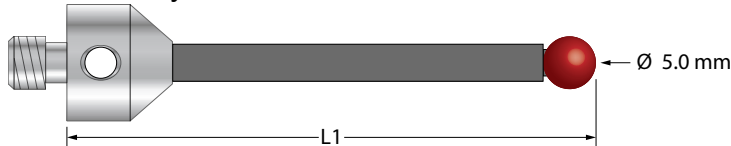
5.0 mm ruby, silicon nitride, or zirconia ball with 3.5 mm ceramic stem



Part Number	L1	Wt
ATG-5053-C	53.0	3.38
ATG-5063-C	63.0	4.12
ATG-50100-C	100.0	5.49

M5 stylus with 5.0 mm diameter ball, 3.5 mm diameter ceramic stem, and 11.0 mm diameter x 10.0 mm long hard anodized aluminum base.

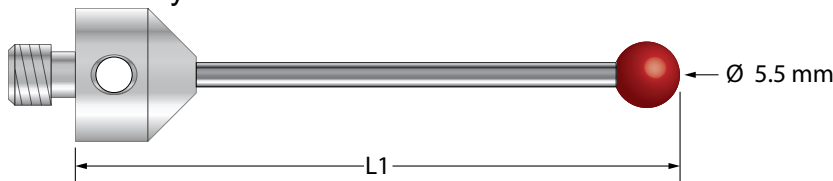
5.0 mm ruby, silicon nitride, or zirconia ball with 3.5 mm carbon fiber stem and titanium base



Part Number	L1	Wt
ATG-5050-TX	50.0	3.99
ATG-5075-TX	75.0	4.36
ATG-50100-TX	100.0	4.74

M5 stylus with 5.0 mm diameter ball, 3.5 mm diameter Therm-X carbon fiber stem, and 11.0 mm diameter x 10.0 mm long titanium base.

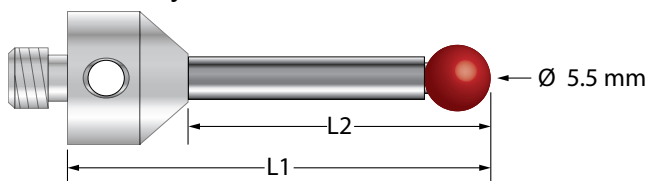
5.5 mm ruby ball with 2.0 mm carbide stem



Part Number	L1	Wt
ATG-5550-DS2	50.0	7.75
ATG-5575-DS2	75.0	8.86

M5 stylus with 5.5 mm diameter ruby ball, 2.0 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base.

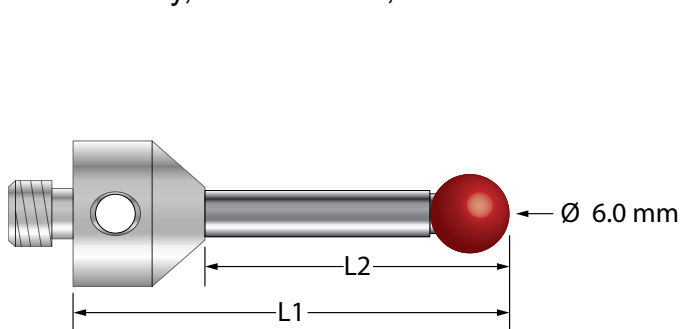
5.5 mm ruby ball with 3.5 mm carbide stem



Part Number	L1	L2	Wt
ATG-5533	33.0	23.0	8.98
ATG-5550	50.0	40.0	11.33
ATG-55100	100.0	90.0	18.25
ATG-55120	120.0	110.0	21.01
ATG-55125	125.0	110.0	23.26
ATG-55140	140.0	125.0	25.34

M5 stylus with 5.5 mm diameter ruby ball, 3.5 mm diameter carbide stem, and 11.0 mm diameter stainless steel base.

6.0 mm ruby, silicon nitride, or zirconia ball with 3.5 mm carbide stem



Part Number	L1	L2	Wt
ATG-6033	33.0	23.0	9.70
ATG-6040	40.0	30.0	10.67
ATG-6045	45.0	35.0	11.36
ATG-6053	53.0	43.0	12.47
ATG-6054	54.0	44.0	12.61
ATG-6055	55.0	45.0	12.75
ATG-6060	60.0	50.0	13.30
ATG-6064	64.0	54.0	13.85
ATG-6065	65.0	55.0	14.36
ATG-6070	70.0	60.0	14.54
ATG-6075	75.0	65.0	15.24
ATG-60100	100.0	90.0	18.69
ATG-60110	110.0	100.0	20.08
ATG-60125	125.0	115.0	22.15
ATG-60150	150.0	135.0	25.61

M5 stylus with 6.0 mm diameter ball, 3.5 mm diameter carbide stem, and 11.0 mm diameter stainless steel base.

For a silicon nitride ball, add -SN to the end of the part number.

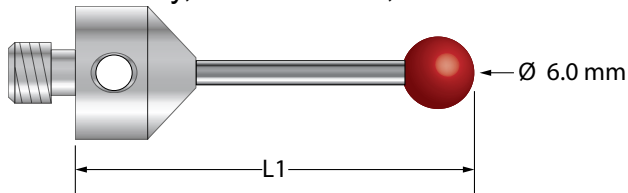
For a zirconia ball, add -Z to the end of the part number.



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M5 Threads

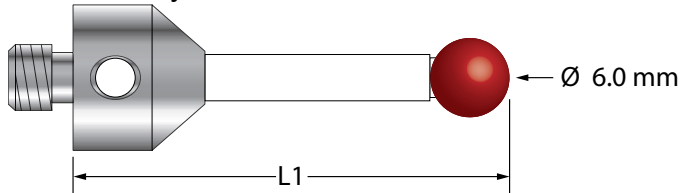
6.0 mm ruby, silicon nitride, or zirconia ball with 2.0 mm carbide stem



Part Number	L1	Wt
ATG-6025	25.0	6.96
ATG-6033-DS2	33.0	7.31

M5 stylus with 6.0 mm diameter ball, 2.0 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base.

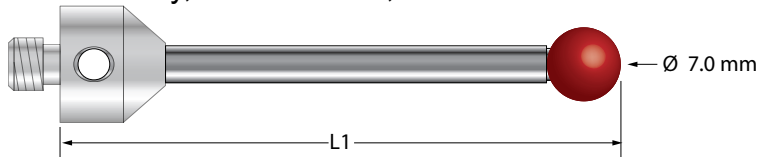
6.0 mm ruby, silicon nitride, or zirconia ball with 3.5 mm ceramic stem and aluminum base



Part Number	L1	Wt
ATG-6050-C	50.0	3.71
ATG-6054-C	54.0	3.75
ATG-6065-C	65.0	4.27
ATG-6075-C	75.0	4.64
ATG-60100-C	100.0	5.57

M5 stylus with 6.0 mm diameter ball, 3.5 mm diameter ceramic stem, and 11.0 mm diameter x 10.0 mm long hard anodized aluminum base.

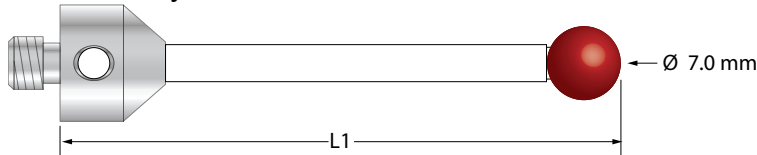
7.0 mm ruby, silicon nitride, or zirconia ball with 3.5 mm carbide stem



Part Number	L1	Wt
ATG-7053	53.0	11.69
ATG-7055	55.0	11.97
ATG-7075	75.0	14.73
ATG-70125	125.0	21.65
ATG-70130	130.0	22.34

M5 stylus with 7.0 mm diameter ball, 3.5 mm diameter carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base.

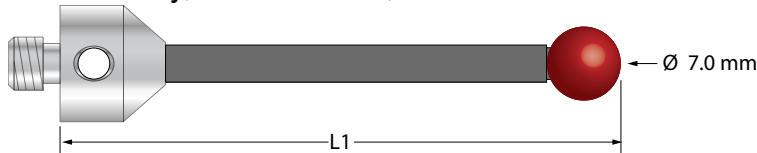
7.0 mm ruby, silicon nitride, or zirconia ball with 3.5 mm ceramic stem



Part Number	L1	Wt
ATG-7055-C	55.0	4.09
ATG-7075-C	75.0	4.83

M5 stylus with 7.0 mm diameter ball, 3.5 mm diameter ceramic stem, and 11.0 mm diameter x 10.0 mm long hard anodized aluminum base.

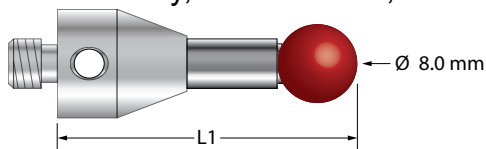
7.0 mm ruby, silicon nitride, or zirconia ball with 3.5 mm carbon fiber stem and titanium base



Part Number	L1	Wt
ATG-7055-TX	55.0	4.41

M5 stylus with 7.0 mm diameter ball, 3.5 mm diameter Therm-X carbon fiber stem, and 11.0 mm diameter x 10.0 mm long titanium base.

8.0 mm ruby, silicon nitride, or zirconia ball with 5.0 mm carbide stem and 13.0 mm long base



Part Number	L1	Wt
ATG-8025	25.0	9.59
ATG-8030	30.0	11.01

M5 stylus with 8.0 mm diameter ball, 5.0 mm diameter carbide stem, and 11.0 mm diameter x 13.0 mm long stainless steel base.

For a silicon nitride ball, add -SN to the end of the part number.

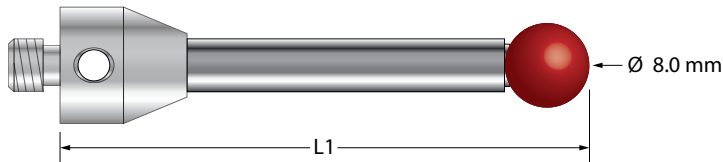
For a zirconia ball, add -Z to the end of the part number.



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M5 Threads

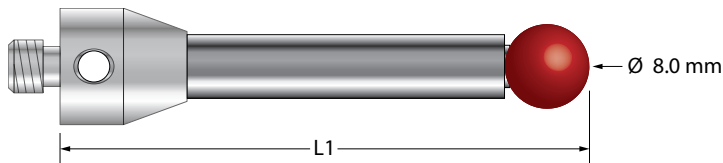
8.0 mm ruby, silicon nitride, or zirconia ball with 5.0 mm carbide stem and 12.0 mm long base



Part Number	L1	Wt
ATG-8064	64.0	19.79
ATG-8075	75.0	22.90
ATG-8080	80.0	24.32
ATG-8090	90.0	27.15
ATG-80100	100.0	30.35
ATG-80120	120.0	36.01
ATG-80125	125.0	37.43
ATG-80130	130.0	38.85
ATG-80135	135.0	40.26
ATG-80140	140.0	41.68
ATG-80145	145.0	43.09

M5 stylus with 8.0 mm diameter ball, 5.0 mm diameter carbide stem, and 11.0 mm diameter x 12.0 mm long stainless steel base.

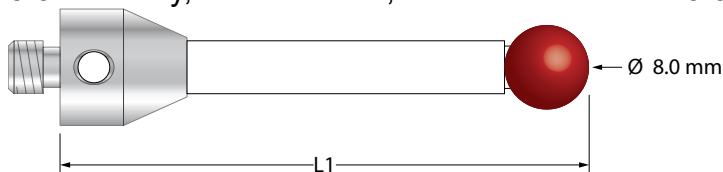
8.0 mm ruby, silicon nitride, or zirconia ball with 6.0 mm carbide stem



Part Number	L1	Wt
ATG-8040	40.0	18.84
ATG-8050	50.0	21.67
ATG-8060	60.0	24.50
ATG-8063.5	63.5	26.29
ATG-80114.5	114.5	47.07
ATG-80150	150.0	61.53
ATG-80155	155.0	63.56
ATG-80160	160.0	65.60
ATG-80175	175.0	71.72
ATG-80180	180.0	73.74
ATG-80200	200.0	81.89

M5 stylus with 8.0 mm diameter ball, 6.0 mm diameter carbide stem, and 11.0 mm diameter stainless steel base.

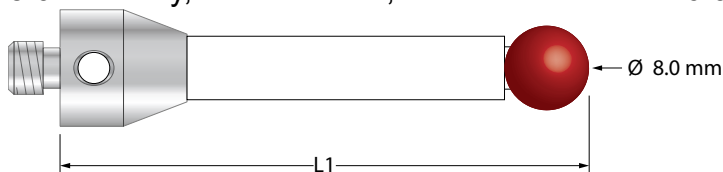
8.0 mm ruby, silicon nitride, or zirconia ball with 5.0 mm ceramic stem and aluminum base



Part Number	L1	Wt
ATG-8053-C	53.0	5.77
ATG-8063-C	63.0	6.54
ATG-80100-C	100.0	9.37
ATG-80114-C	114.0	10.45
ATG-80135-C	135.0	12.06

M5 stylus with 8.0 mm diameter ball, 5.0 mm diameter ceramic stem, and 11.0 mm diameter hard anodized aluminum base.

8.0 mm ruby, silicon nitride, or zirconia ball with 6.0 mm ceramic stem and aluminum base



Part Number	L1	Wt
ATG-8063.5-C	63.5	11.87
ATG-80114.5-C	114.5	18.27
ATG-80160-C	160.0	19.01

M5 stylus with 8.0 mm diameter ball, 6.0 mm diameter ceramic stem, and 11.0 mm diameter x 13.0 mm long hard anodized aluminum base.

For a silicon nitride ball, add *-SN* to the end of the part number.

For a zirconia ball, add *-Z* to the end of the part number.



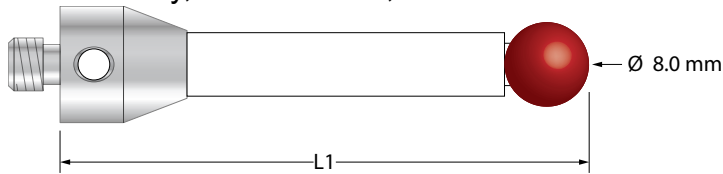
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M5 Threads

ruby, silicon nitride, or zirconia
conia



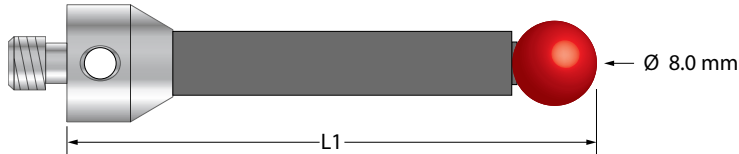
8.0 mm ruby, silicon nitride, or zirconia ball with 6.0 mm ceramic stem and stainless steel base



Part Number	L1	Wt
ATG-80175-C	175.0	25.68

M5 stylus with 8.0 mm diameter ball, 6.0 mm diameter ceramic stem, and 11.0 mm diameter x 16.0 mm long stainless steel base.

8.0 mm ruby, silicon nitride, or zirconia ball with 6.0 mm carbon fiber stem



Part Number	L1	Wt
ATG-8054-G	54.0	7.88
ATG-8079-G	79.0	8.92

M5 stylus with 8.0 mm diameter ball, 6.0 mm diameter carbon fiber stem, and 11.0 mm diameter stainless steel base.

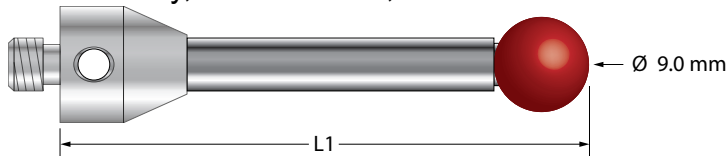
8.0 mm ruby, silicon nitride, or zirconia ball with 6.0 mm carbon fiber stem and titanium base



Part Number	L1	Wt
ATG-8063-TX	63.0	6.27
ATG-8075-TX	75.0	6.80
ATG-80100-TX	100.0	7.90
ATG-80114-TX	114.0	8.51
ATG-80150-TX	150.0	10.09
ATG-80200-TX	200.0	12.28

M5 stylus with 8.0 mm diameter ball, 6.0 mm diameter Therm-X carbon fiber stem, and 11.0 mm diameter x 13.0 mm long titanium base.

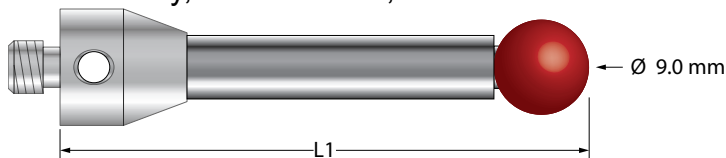
9.0 mm ruby, silicon nitride, or zirconia ball with 5.0 mm carbide stem



Part Number	L1	Wt
ATG-9075*	75.0	15.21
ATG-90150	150.0	45.49
ATG-90165	165.0	49.74

M5 stylus with 9.0 mm diameter ball, 5.0 mm diameter carbide stem, and 11.0 mm diameter stainless steel base. *ATG-9075 stem is 3.5 mm diameter.

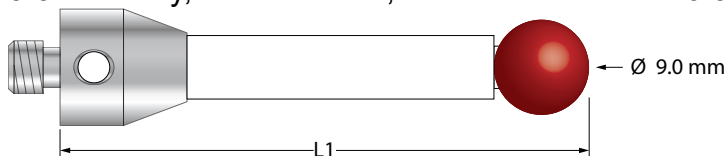
9.0 mm ruby, silicon nitride, or zirconia ball with 6.0 mm carbide stem



Part Number	L1	Wt
ATG-9064.5	64.5	22.49

M5 stylus with 9.0 mm diameter ball, 6.0 mm diameter carbide stem, and 11.0 mm diameter x 13.0 mm long hard anodized aluminum base.

9.0 mm ruby, silicon nitride, or zirconia ball with 6.0 mm ceramic stem



Part Number	L1	Wt
ATG-9064.5-C	64.5	8.89

M5 stylus with 9.0 mm diameter ball, 6.0 mm diameter ceramic stem, and 11.0 mm diameter x 13.0 mm long hard anodized aluminum base.

For a silicon nitride ball, add -SN to the end of the part number.

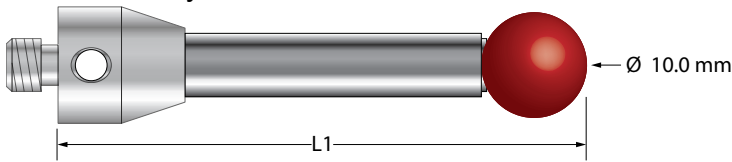
For a zirconia ball, add -Z to the end of the part number.



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M5 Threads

10.0 mm ruby or silicon nitride ball with 6.0 mm carbide stem



Part Number	L1	Wt
ATG-10060	60.0	25.32
ATG-10065.5	65.5	32.46
ATG-100118	118.0	48.94
ATG-100135	135.0	55.87
ATG-100150	150.0	61.98
ATG-100200	200.0	83.23

M5 stylus with 10.0 mm diameter ball, 6.0 mm diameter carbide stem, and 11.0 mm diameter stainless steel base.

10.0 mm ruby or silicon nitride ball with 6.0 mm carbon fiber stem



Part Number	L1	Wt
ATG-10055-G	55.0	8.77
ATG-10080-G	80.0	9.87

M5 stylus with 10.0 mm diameter ball, 6.0 mm diameter carbon fiber stem, and 11.0 mm diameter stainless steel base.

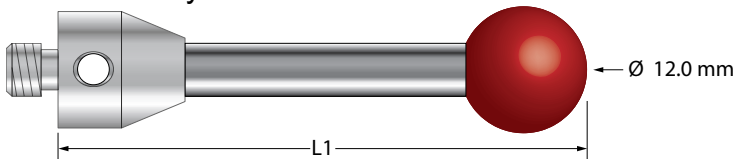
10.0 mm ruby or silicon nitride ball with 6.0 mm carbon fiber stem and titanium base



Part Number	L1	Wt
ATG-10030-TX	30.0	5.21
ATG-10065-TX	65.0	7.08
ATG-100118-TX	118.0	9.46
ATG-100150-TX	150.0	10.86
ATG-100200-TX	200.0	13.06

M5 stylus with 10.0 mm diameter ball, 6.0 mm diameter Therm-X carbon fiber stem, and 11.0 mm diameter x 13.0 mm long titanium base.

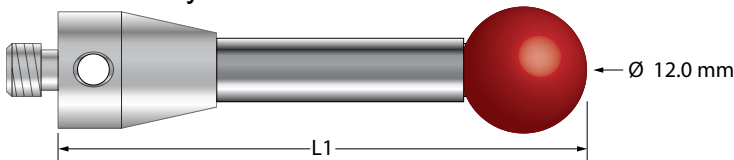
12.0 mm ruby or silicon nitride ball with 5.0 mm carbide stem



Part Number	L1	Wt
ATG-12050	50.0	18.15
ATG-12075	75.0	25.23

M5 stylus with 12.0 mm diameter ball, 5.0 mm diameter carbide stem, and 11.0 mm diameter stainless steel base.

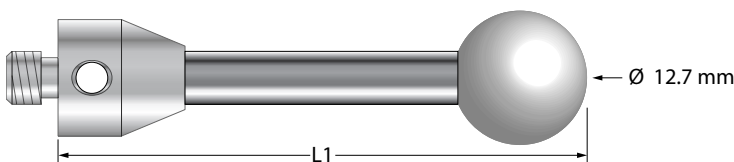
12.0 mm ruby or silicon nitride ball with 6.0 mm carbide stem



Part Number	L1	Wt
ATG-120118	118.0	49.51
ATG-120160	160.0	67.24
ATG-120200	200.0	83.53

M5 stylus with 10.0 mm diameter ball, 6.0 mm diameter carbide stem, and 11.0 mm diameter stainless steel base.

12.7 mm ceramic or silicon nitride ball with 5.0 mm carbide stem



Part Number	L1	Wt
ATG-12750	50.0	18.50
ATG-12775	75.0	25.61
ATG-127100	100.0	32.69

M5 stylus with 12.7 mm diameter ball, 5.0 mm diameter carbide stem, and 11.0 mm diameter stainless steel base. All balls are Grade 25.

For a silicon nitride ball, add -SN to the end of the part number.

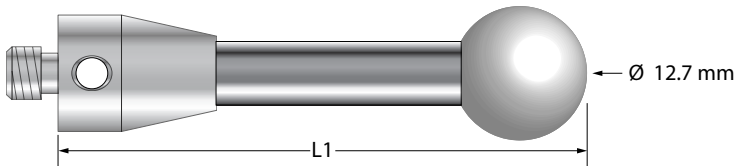
For a zirconia ball, add -Z to the end of the part number.



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M5 Threads

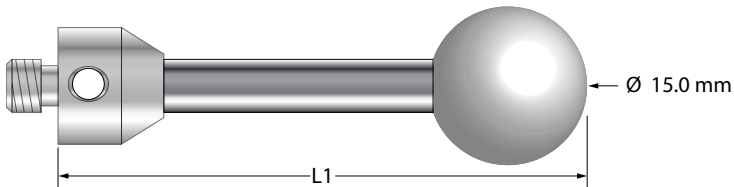
12.7 mm ceramic or silicon nitride ball with 6.0 mm carbide stem



Part Number	L1	Wt
ATG-127190	190.0	79.13

M5 stylus with 12.7 mm diameter ball, 6.0 mm diameter carbide stem, and 11.0 mm diameter stainless steel base. All balls are Grade 25.

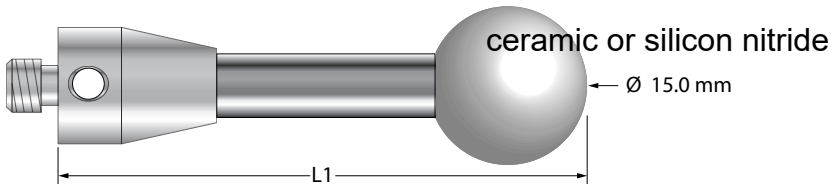
15.0 mm ceramic or silicon nitride ball with 5.0 mm carbide stem



Part Number	L1	Wt
ATG-15030	30.0	14.56
ATG-15050	50.0	20.59
ATG-15075	75.0	27.67
ATG-150100	100.0	34.74
ATG-150114	114.0	38.71

M5 stylus with 15.0 mm diameter ball, 5.0 mm diameter carbide stem, and 11.0 mm diameter stainless steel base. All balls are Grade 25.

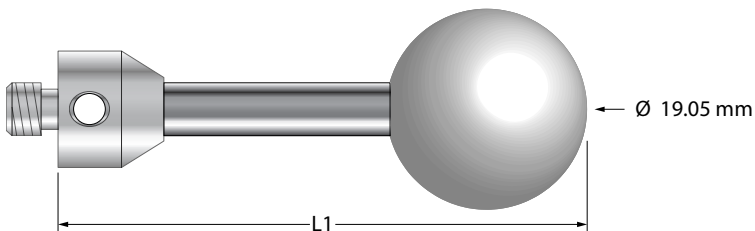
15.0 mm ceramic or silicon nitride ball with 6.0 mm carbide stem



Part Number	L1	Wt
ATG-150155	155.0	67.54
ATG-150190	190.0	81.79
ATG-150250	250.0	108.27

M5 stylus with 15.0 mm diameter ball, 6.0 mm diameter carbide stem, and 11.0 mm diameter stainless steel base. All balls are Grade 25.

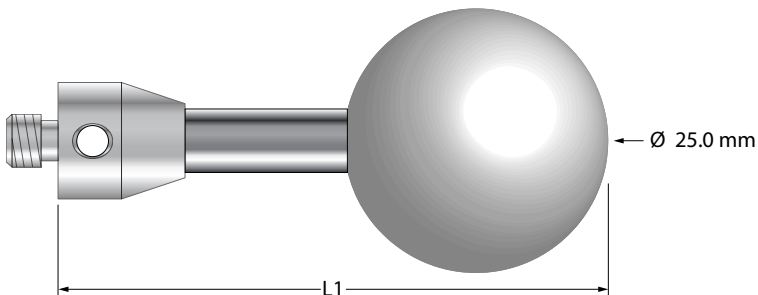
19.05 mm ceramic or silicon nitride ball with 5.0 mm carbide stem



Part Number	L1	Wt
ATG-19040	40.0	25.56
ATG-19050	50.0	28.39
ATG-19080	80.0	36.88

M5 stylus with 19.05 mm (3/4") diameter ball, 5.0 mm diameter carbide stem, and 11.0 mm diameter stainless steel base. All balls Grade 25.

25.0 mm ceramic or silicon nitride ball with 6.0 mm carbide stem



Part Number	L1	Wt
ATG-25052	52.0	38.72
ATG-250100	100.0	44.72

M5 stylus with 25.0 mm diameter ball, 6.0 mm diameter carbide stem, and 11.0 mm diameter stainless steel base. All balls are Grade 25.

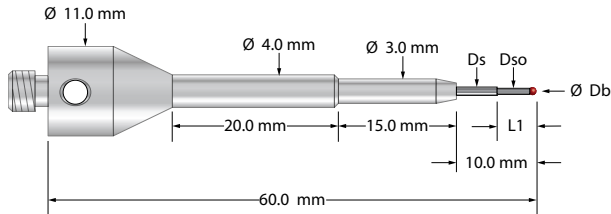
For a silicon nitride ball, add -SN to the end of the part number.



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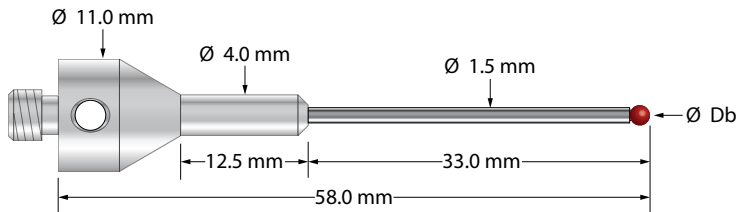
M5 Threads

Extra long styli with ruby, carbide, silicon nitride, or zirconia balls



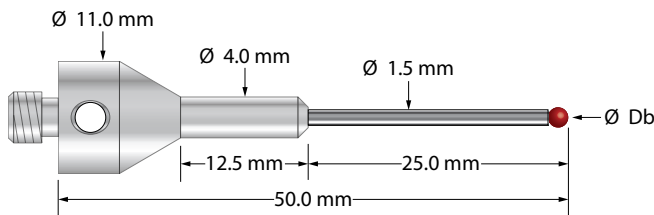
Part Number	Db	Ds	Dso	L1	Wt
ASG-0360-C	0.3	1.0	0.2	2.3	11.15
ASG-0360-R	0.3	1.0	0.2	2.3	11.13
ASG-0560-C	0.5	1.0	0.3	2.5	11.11
ASG-0560-R	0.5	1.0	0.3	2.5	11.16
ASG-0660-C	0.6	1.0	0.4	4.0	11.13
ASG-0860	0.8	1.0	0.6	4.0	11.15
ASG-1060	1.0	1.0	0.7	5.0	11.21
ASG-1360	1.35	1.0	-	10.0	11.20
ASG-1560	1.5	1.0	-	10.0	11.21
ASG-2060	2.0	1.0	-	10.0	11.21
ASG-2560	2.5	1.5	-	10.0	11.22
ASG-3060	3.0	1.5	-	10.0	11.36

M5 stylus with ball, carbide stem, and 11.0 mm diameter x 50.0 mm long stainless steel base.



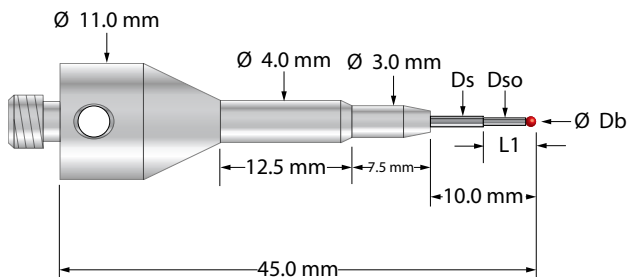
Part Number	Db	Wt
ARG-2058	2.0	8.22
ARG-2558	2.5	8.28

M5 stylus with ball, carbide stem, and 11.0 mm diameter x 25.0 mm long stainless steel base.



Part Number	Db	Wt
ARG-2050	2.0	7.64

M5 stylus with ball, carbide stem, and 11.0 mm diameter x 25.0 mm long stainless steel base.



Part Number	Db	Ds	Dso	L1	Wt
ASG-1045	1.0	1.0	0.7	5.0	10.23
ASG-1545	1.5	1.0	-	10.0	10.25

M5 stylus with ball, carbide stem, and 11.0 mm diameter x 25.0 mm long stainless steel base.

For a silicon nitride ball, add -SN to the end of the part number.

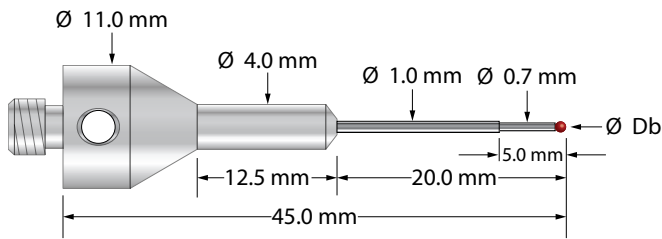
For a zirconia ball, add -Z to the end of the part number.



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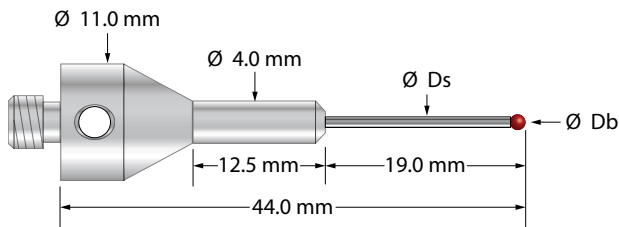
M5 Threads

Extra long styli with ruby, silicon nitride, or zirconia balls



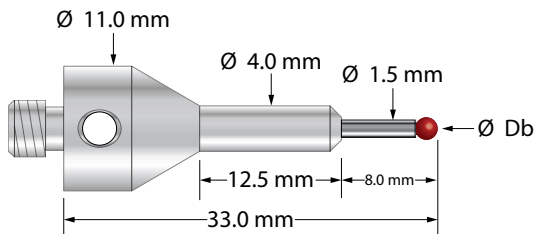
Part Number	Db	Wt
ARG-1045	1.0	7.70

M5 stylus with ball, carbide stem, and 11.0 mm diameter x 25.0 mm long stainless steel base.



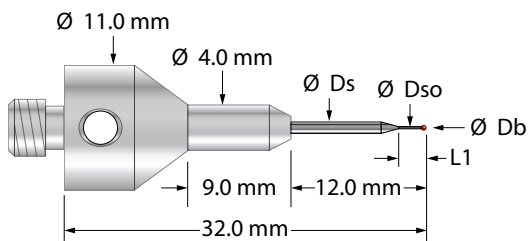
Part Number	Db	Ds	Wt
ARG-1444	1.35	1.0	7.66
ARG-1544	1.5	1.0	7.66
ARG-2044	2.0	1.5	7.68
ARG-2544	2.5	1.5	7.69

M5 stylus with ball, carbide stem and 11.0 mm diameter x 25.0 mm long stainless steel base.



Part Number	Db	Wt
ARG-2033	2.0	7.60

M5 stylus with ball, carbide stem and 11.0 mm diameter x 25.0 mm long stainless steel base.



Part Number	Db	L1	Ds	Dso	Wt
AQG-0332	0.3	2.3	1.0	0.2	7.08
AQG-0532	0.5	2.5	1.0	0.3	7.09
AQG-0632	0.6	3.5	1.0	0.4	7.10
AQG-0832	0.8	4.0	1.0	0.6	7.12
AQG-1032	1.0	5.0	1.0	0.7	7.13
AQG-1432	1.35	12.0	1.0	-	7.12
AQG-1532	1.5	12.0	1.0	-	7.13
AQG-2032	2.0	12.0	1.5	-	7.15
ASG-2532	2.5	12.0	1.5	-	7.18

M5 stylus with ball, carbide stem and 11.0 mm diameter x 20.0 mm long stainless steel base.

For a silicon nitride ball, add -SN to the end of the part number.

For a zirconia ball, add -Z to the end of the part number.



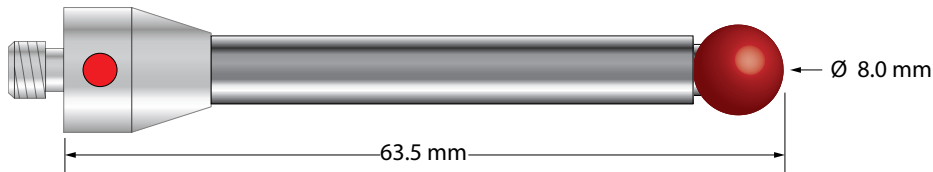
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M5 Threads

"Red Dot" master stylus



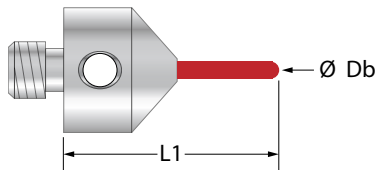
Part Number	Wt
RD-MP	26.51

M5 "Red Dot" master stylus with 8.0 mm diameter ball, 6.0 mm diameter carbide stem, and 11.0 mm diameter x 13.0 mm long stainless steel base.

Important notes about cylinder styli

Cylinder styli are used for edge probing, for instance, the edges of stampings and thin sheet metal parts. Cylinder styli are not suitable for high accuracy work because the form of a cylinder is not as precise as a sphere. Please contact us with any questions about how to calibrate or use cylinder styli.

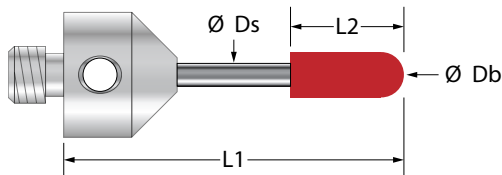
Ruby cylinder styli



Part Number	Db	L1	Wt
TM5-1019-B	1.0	19.0	5.51
TM5-1514-B	1.5	14.0	5.52
TM5-1519-B	1.5	19.0	5.53

M5 stylus with ruby cylinder and 11.0 mm diameter x 10.0 mm long stainless steel base.

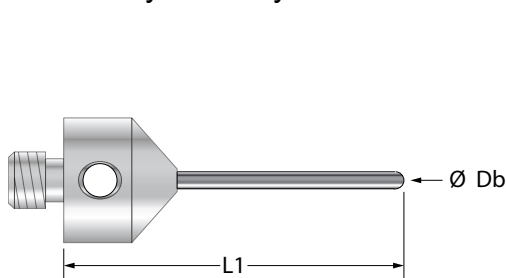
Ruby cylinder styli with carbide stems



Part Number	Db	Ds	L1	L2	Wt
TM5-2020-B	2.0	1.0	20.0	7.2	3.18
TM5-2025-B	2.0	1.0	25.0	7.2	3.23
TM5-2030-B	2.0	1.0	30.0	7.2	3.29
TM5-2035-B	2.0	1.0	35.0	7.2	3.35
TM5-2040-B	2.0	1.0	40.0	7.2	3.41
TM5-2060-B	2.0	1.0	60.0	7.2	3.53
TM5-4020-B	4.0	2.0	20.0	10.0	3.92
TM5-4025-B	4.0	2.0	25.0	10.0	4.15
TM5-4030-B	4.0	2.0	30.0	10.0	4.37
TM5-4040-B	4.0	2.0	40.0	10.0	4.82
TM5-4050-B	4.0	2.0	50.0	10.0	5.27

M5 stylus with ruby cylinder, carbide stem, and 11.0 mm diameter x 10.0 mm long titanium base.

Carbide cylinder styli



Part Number	Db	L1	Wt
TM5-1040-BC	1.0	40.0	5.74
TM5-1520-BC	1.5	20.0	5.96
TM5-1530-BC	1.5	30.0	6.21
TM5-1540-BC	1.5	40.0	6.46
TM5-2020-BC	2.0	20.0	6.28
TM5-2030-BC	2.0	30.0	6.72
TM5-2040-BC	2.0	40.0	7.17
TM5-3025-BC	3.0	25.0	7.41
TM5-3050-BC	3.0	50.0	9.93
TM5-30100-BC	3.0	100.0	14.98
TM5-30130-BC	3.0	130.0	18.01
TM5-5050-BC	5.0	50.0	17.72
TM5-50100-BC	5.0	100.0	31.88

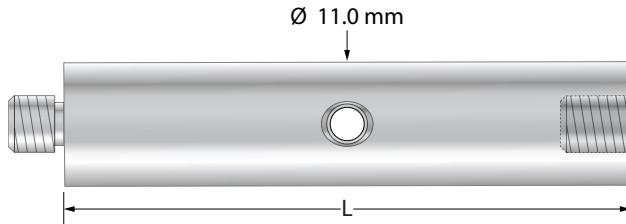
M5 stylus with carbide cylinder and 11.0 mm diameter x 10.0 mm long stainless steel base.



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M5 Threads

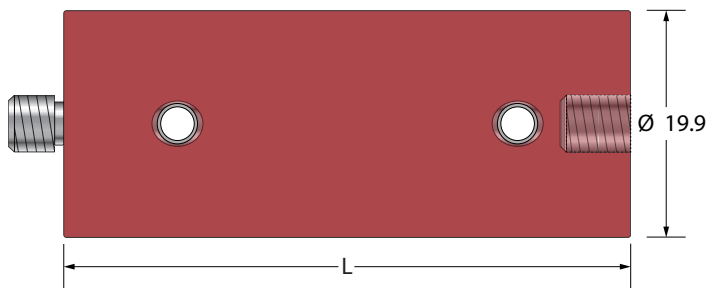
Extensions, aluminum, 11.0 mm diameter



Part Number	L	Wt
VM5-12.10-A	10.0	2.97
VM5-12.15-A	15.0	3.92
VM5-12.20-A	20.0	5.69
VM5-12.25-A	25.0	6.78
VM5-12.30-A	30.0	7.87
VM5-12.35-A	35.0	8.96
VM5-12.40-A	40.0	10.18
VM5-12.50-A	50.0	12.98
VM5-12.60-A	60.0	15.48
VM5-12.70-A	70.0	18.07
VM5-12.75-A	75.0	19.16
VM5-12.80-A	80.0	20.54
VM5-12.100-A	100.0	26.03
VM5-12.120-A	120.0	30.30
VM5-12.150-A	150.0	37.83
VM5-12.200-A	200.0	50.21

M5 extension, hard anodized aluminum. The wrench hole has a stainless steel liner.

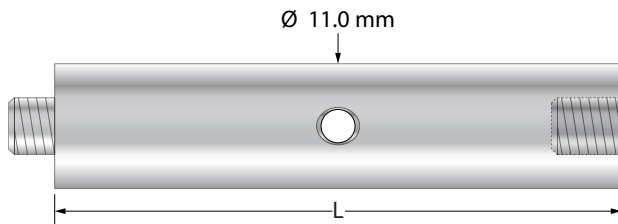
Extensions, aluminum, 20.0 mm diameter



Part Number	L	Wt
VM5-20.40-A	40.0	28.61
VM5-20.50-A	50.0	32.17
VM5-20.60-A	60.0	36.89
VM5-20.75-A	75.0	42.48
VM5-20.80-A	80.0	43.76
VM5-20.90-A	90.0	47.87
VM5-20.100-A	100.0	51.63
VM5-20.120-A	120.0	58.82
VM5-20.150-A	150.0	69.78
VM5-20.200-A	200.0	88.29
VM5-20.250-A	250.0	106.67
VM5-20.300-A	300.0	125.49

M5 extension, red anodized seamless aluminum tubing with stainless steel end fittings. Wrench holes have stainless steel liners.

Extensions, titanium, 11.0 mm diameter



Part Number	L	Wt
VM5-12.10-T	10.0	3.53
VM5-12.15-T	15.0	5.40
VM5-12.20-T	20.0	7.74
VM5-12.25-T	25.0	9.84
VM5-12.30-T	30.0	11.94
VM5-12.35-T	35.0	14.04
VM5-12.40-T	40.0	16.14
VM5-12.50-T	50.0	20.33
VM5-12.60-T	60.0	24.53
VM5-12.75-T	75.0	30.83
VM5-12.80-T	80.0	32.93
VM5-12.100-T	100.0	41.33
VM5-12.120-T	120.0	49.72
VM5-12.150-T	150.0	62.50
VM5-12.200-T	200.0	83.80

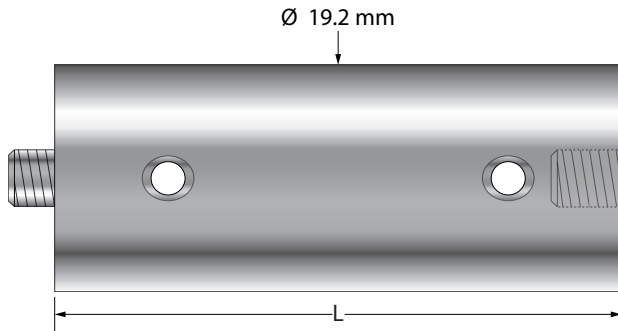
M5 extension, solid titanium.



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M5 Threads

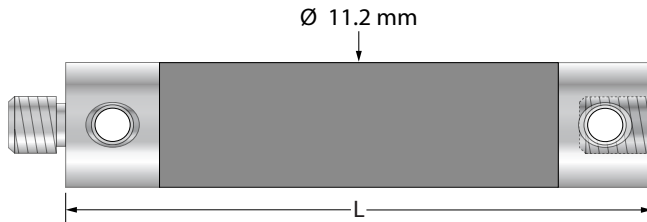
Extensions, titanium, 19.2 mm diameter



Part Number	L	Wt
VM5-18.40-TT	40.0	30.18
VM5-18.50-TT	50.0	31.00
VM5-18.55-TT	55.0	34.05
VM5-18.60-TT	60.0	36.69
VM5-18.75-TT	75.0	38.38
VM5-18.80-TT	80.0	39.74
VM5-18.90-TT	90.0	41.88
VM5-18.100-TT	100.0	43.46
VM5-18.120-TT	110.0	51.95
VM5-18.150-TT	150.0	60.87
VM5-18.170-TT	170.0	73.69
VM5-18.180-TT	180.0	76.41
VM5-18.200-TT	200.0	84.47
VM5-18.250-TT	250.0	102.34
VM5-18.300-TT	300.0	120.48

M5 extensions, seamless titanium tubing with welded titanium end caps and stainless steel end fittings.

Extensions, Therm-X carbon fiber body with titanium end fittings, 11.2 mm diameter



Part Number	L	Wt
VM5-12.35-TX	35.0	9.39
VM5-12.40-TX	40.0	9.75
VM5-12.50-TX	50.0	10.48
VM5-12.55-TX	55.0	10.84
VM5-12.60-TX	60.0	11.20
VM5-12.70-TX	70.0	11.93
VM5-12.75-TX	75.0	12.29
VM5-12.80-TX	80.0	12.65
VM5-12.100-TX	100.0	14.10
VM5-12.110-TX	110.0	14.83
VM5-12.120-TX	120.0	15.55
VM5-12.125-TX	125.0	15.92
VM5-12.130-TX	130.0	16.28
VM5-12.140-TX	140.0	17.00
VM5-12.150-TX	150.0	17.73
VM5-12.155-TX	155.0	18.09
VM5-12.160-TX	160.0	18.45
VM5-12.170-TX	170.0	19.18
VM5-12.175-TX	175.0	19.54
VM5-12.180-TX	180.0	19.90
VM5-12.200-TX	200.0	21.35
VM5-12.225-TX	225.0	23.17
VM5-12.250-TX	250.0	24.98
VM5-12.300-TX	300.0	28.60
VM5-12.350-TX	350.0	32.23
VM5-12.400-TX	400.0	35.85
VM5-12.450-TX	450.0	39.84
VM5-12.500-TX	500.0	43.10

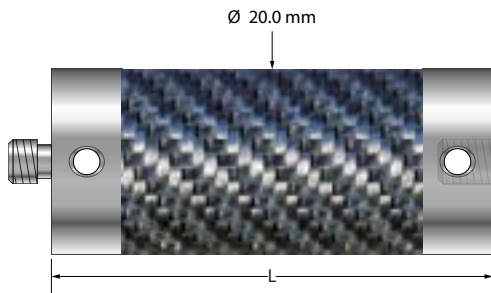
M5 extensions, Therm-X low expansion 11.2 mm diameter silver woven carbon fiber tubing with 11.13 mm diameter titanium end fittings.



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M5 Threads

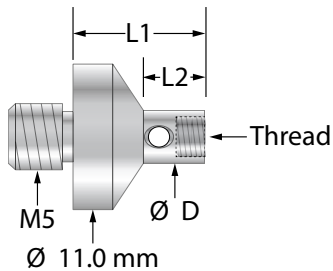
Extensions, Therm-X carbon fiber tubing body with titanium end fittings, 20.0 mm diameter



Part Number	L	Wt
VM5-20.40-TX	40.0	27.77
VM5-20.50-TX	50.0	29.23
VM5-20.60-TX	60.0	31.12
VM5-20.80-TX	80.0	32.39
VM5-20.100-TX	100.0	34.60
VM5-20.120-TX	120.0	36.86
VM5-20.150-TX	150.0	39.96
VM5-20.200-TX	200.0	46.78
VM5-20.250-TX	250.0	52.38
VM5-20.300-TX	300.0	56.77

M5 extensions with Therm-X low expansion carbon fiber tubing and titanium end fittings.

M5 thread adapters



Part Number	Thread	L1	L2	D	Wt
RM5-M2	M2 x 0.4	10.0	4.3	4.0	3.88
RM5-M3	M3 x 0.5	10.0	4.6	4.0	3.64
RM5-M4	M4 x 0.7	10.0	3.6	7.0	5.79
RM5-M4-DEA	M4 x 0.5	14.0	8.6	5.0	3.79
RM5-4-48	4-48 UNF	10.0	4.3	4.0	3.62

M5 thread adapters. Stainless steel.

M5 cubes, five sided, titanium or aluminum



Part Number	Material	Wt
WM5-15-3	Aluminum	8.08
WM5-15-3-T	Titanium	12.46

M5 cubes, five sided. Titanium or hard anodized aluminum with stainless steel M5 screw.



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M5 Threads

M5 cubes, six sided, 14.3 mm, titanium or aluminum



Part Number	Material	Wt
WM5-15	Aluminum	6.89
WM5-15-T	Titanium	10.77

M5 cubes, six sided, 14.3 mm thick between sides. Hard anodized aluminum or titanium with stainless steel M5 screw.

M5 cube, six sided, 14.3 mm, titanium, with hex screw



Part Number	Material	Wt
WM5-15-T-C	Titanium	12.16

M5 cube, six sided, titanium, 14.3 mm thick between sides. Includes a countersunk stainless steel flat head hex screw, so the cube can be positioned at any radial angle. Combined weight is 12.16 grams..

M5 cubes, six sided, 21.0 mm, titanium or aluminum



Part Number	Material	Wt
WM5-20	Aluminum	22.41
WM5-20-T	Titanium	35.63

M5 cubes, six sided, 21.0 mm thick between sides. Hard anodized aluminum or titanium with stainless steel M5 screw.

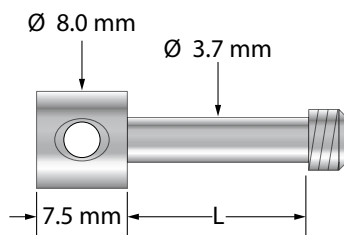
M5 cube, six sided, 21.0 mm x 42.0 mm, aluminum



Part Number	Material	Wt
WM5-40	Aluminum	44.62

M5 cube, six sided, 21.0 mm thick x 42.0 mm long, with ten M5 tapped holes. Hard anodized aluminum with stainless steel M5 screw.

M5 captive screws



Part Number	L	Wt
SM5-15	15.0	4.32
SM5-20	20.0	4.74
SM5-22	22.0	4.97
SM5-25	25.0	5.15

M5 captive screws for fastening cubes. Stainless steel.



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M5 Threads

M5 knuckle, 11.0 mm diameter, titanium



Part Number	Material	Wt
JM5-15-T	Titanium	12.20

M5 knuckle, titanium, 11.0 mm diameter x 35.0 mm long. With stainless steel M5 thread and socket head cap screw for tightening. 190 degree adjustment range. Includes hex wrench for tightening (not shown).

M5 knuckles, 18.0 mm diameter, titanium or aluminum



Part Number	Material	Wt
JM5-20	Aluminum	22.74
JM5-20-T	Titanium	35.27

M5 knuckles, hard anodized aluminum or titanium, 18.0 mm diameter x 35.0 mm long. With stainless steel M5 thread and socket head cap screw for tightening. 190 degree adjustment range. Includes hex wrench for tightening (not shown).

M5 knuckle, 11.0 mm diameter, titanium, with rotary and lateral adjustment



Part Number	Wt
RJM5-15	16.53

M5 knuckle with 190 degree lateral and 360 degree radial adjustment. 11.0 mm diameter x 43.5 mm long. Made of titanium, with steel and stainless steel screws. A miniature ball bearing provides smooth radial movement. Includes two hex wrenches for tightening (not shown).

M5 rotary adapter, titanium



Part Number	Wt
RAP-1128-T	10.82

M5 rotary adapter, titanium, 11.0 mm diameter x 29.0 mm long, for radial adjustments. Two stainless steel set screws for tightening. A miniature ball bearing provides smooth radial movement. Includes hex wrench (shown).

M5 adapter with 90 degree M5 tapped hole, titanium



Part Number	Wt
JM5-90-T	6.54

M5 adapter with 90 degree tapped M5 hole. 11.0 mm diameter titanium with stainless steel set screw. Overall length is 23.0 mm.



M5 Threads

M5 hubs



HUB-6

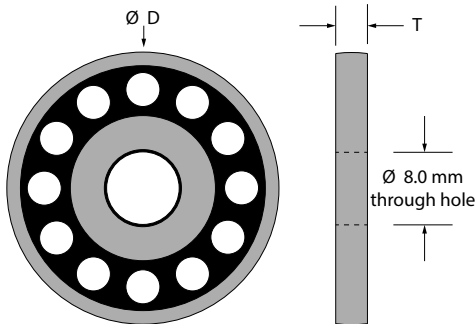


HUB-8

M5 hubs with radial tapped holes and one axial tapped hole. Hard anodized aluminum with stainless steel M5 screw.

Part Number	Diameter	Thickness	Wt
HUB-6	38.0	18.0	29.24
HUB-8	59.0	18.0	68.33

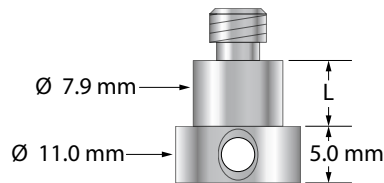
Disks



Part Number	Diameter (D)	Thickness (T)	Material	Wt
DSK-300	30.0	3.5	Tool Steel	9.17
DSK-400	40.0	5.0	Tool Steel	19.55
DSK-500	50.0	7.0	Tool Steel	35.00
DSK-600	60.0	8.0	Tool Steel	41.44
DSK-800	80.0	9.0	Aluminum	44.24

Tool steel disks are hardened and ground. Aluminum disk is hard anodized. Use a disk screw (below) to mount to any M5 extension.

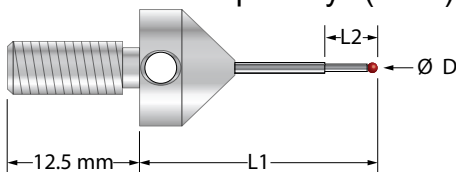
Disk screws



Part Number	Length (L)	Fits	Wt
DS-300	2.8	DSK-300	4.30
DS-400	4.8	DSK-400	5.12
DS-500	5.8	DSK-500	5.75
DS-600	7.8	DSK-600	6.82

M5 screws for fastening disks to extensions. Stainless steel.

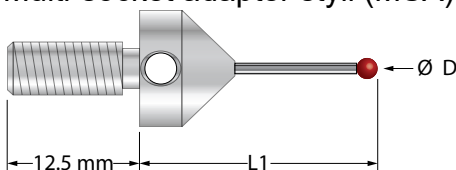
Multi-socket adapter styli (MSA) with stepped stems



Part Number	D	L1	L2	Wt
MSA-0322-R	0.3	21.8	2.5	5.65
MSA-0522	0.5	22.0	2.5	5.65
MSA-0622	0.6	22.1	4.0	5.65
MSA-0822	0.8	22.3	4.0	5.69
MSA-1023	1.0	22.5	5.0	5.74

M5 styli with ruby ball, stepped carbide stem, and 11.0 mm diameter x 9.0 mm long stainless steel base. Designed for use with slotted disks and clamping disks. Can be mounted directly to an M5 extension.

Multi-socket adapter styli (MSA) with straight stems



Part Number	D	L1	Wt
MSA-1332	1.35	32.0	5.91
MSA-1533	1.5	33.0	5.83
MSA-2033	2.0	33.5	6.10
MSA-2534	2.5	34.0	6.12
MSA-3034.5	3.0	34.5	6.69

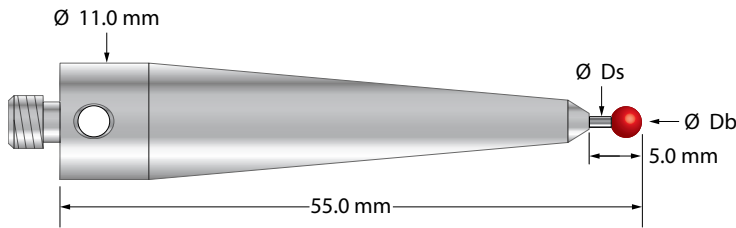
M5 styli with ruby ball, carbide stem, and 11.0 mm diameter x 9.0 mm long stainless steel base. Designed for use with slotted disks and clamping disks. Can be mounted directly to an M5 extension.



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M5 Threads

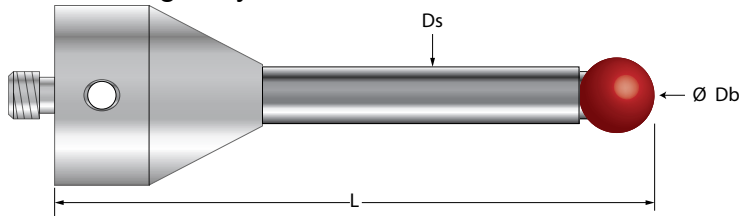
M5 extra rigid styli with ruby or silicon nitride balls



Part Number	Db	Ds	Wt
ACR-1055	1.0	0.7	22.40
ACR-1555	1.5	1.0	22.41
ACR-2055	2.0	1.5	22.43
ACR-2555	2.5	1.5	22.45
ACR-3055	3.0	1.5	22.47
ACR-3555	3.5	1.5	22.55
ACR-4055	4.0	2.5	22.78

M5 stylus with ruby or silicon nitride ball, carbide stem, and 11.0 mm diameter x 50.0 mm long tapered stainless steel base.

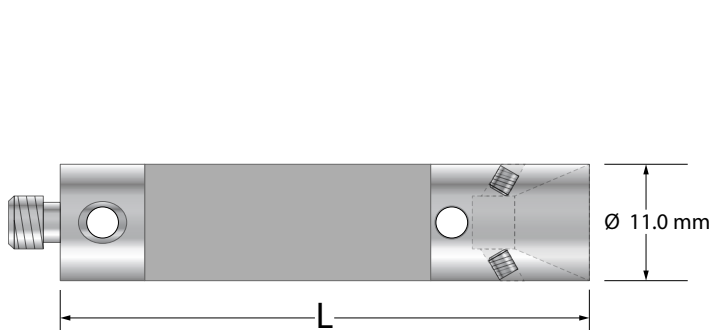
M5 extra rigid styli with 19.0 mm diameter base and with ruby or silicon nitride balls



Part Number	L	Db	Ds	Wt
ATG-8063.5-19	63.5	8.0	6.0	36.06
ATG-80114.5-19	114.5	8.0	6.0	57.07
ATG-9064.5-19	64.5	9.0	6.0	38.90
ATG-10065.5-19	65.5	10.0	6.0	40.06

M5 stylus with ruby or silicon nitride ball, carbide stem, and 19.0 mm diameter x 22.0 mm long stainless steel base.

M5 Pro Fit extensions with Therm-X carbon fiber body, titanium fittings, and conical receiver



Part Number	L	Wt
VM5-12.50-TX-CR	50.0	11.44
VM5-12.60-TX-CR	60.0	12.26
VM5-12.70-TX-CR	70.0	13.09
VM5-12.80-TX-CR	80.0	13.91
VM5-12.90-TX-CR	90.0	14.74
VM5-12.100-TX-CR	100.0	15.56
VM5-12.110-TX-CR	110.0	16.38
VM5-12.130-TX-CR	130.0	18.03
VM5-12.160-TX-CR	160.0	20.50
VM5-12.190-TX-CR	190.0	22.98
VM5-12.200-TX-CR	200.0	23.80
VM5-12.210-TX-CR	210.0	24.62
VM5-12.240-TX-CR	240.0	27.10
VM5-12.260-TX-CR	260.0	28.74
VM5-12.310-TX-CR	310.0	32.86
VM5-12.410-TX-CR	410.0	41.10

M5 extension with 11.0 mm diameter Therm-X carbon fiber core and titanium end fittings, with a conical receiver for Pro Fit attachments.

M5 Pro Fit angle cubes



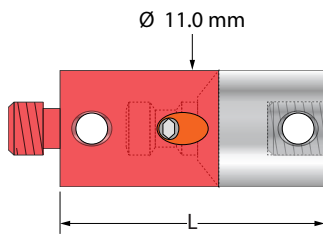
Part Number	Angle "A"	Wt
WM5-15-PF-20	20.0	12.28
WM5-15-PF-25	25.0	12.28
WM5-15-PF-30	30.0	12.28
WM5-15-PF-35	35.0	12.28
WM5-15-PF-40	40.0	12.28
WM5-15-PF-45	45.0	12.28
WM5-15-PF-50	50.0	12.28
WM5-15-PF-60	60.0	12.28
WM5-15-PF-70	70.0	12.28
WM5-15-PF-100	100.0	12.28

M5 Pro Fit angle cubes with conical attachment. Titanium. Available with any angle between zero and 100 degrees. Please inquire.



M5 Threads

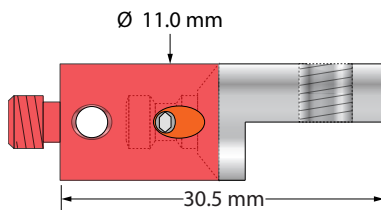
M5 Pro Fit rotary adapters



Part Number	L	Wt
RAP-11PF-20	20.0	5.35
RAP-11PF-25	25.0	7.05
RAP-11PF-30	30.0	8.75

M5 rotary adapter, Pro Fit series. Red anodized aluminum body with titanium end fitting. Three stainless steel set screws allow unlimited axial rotation and rigid, torque-free clamping at desired position. Hex wrench included.

M5 Pro Fit rotary adapter, 90 degree



Part Number	L	Wt
RAP-11PF-90A	30.5	7.42

M5 rotary adapter, Pro Fit series, with M5 tapped hole at 90 degrees. Red anodized aluminum body with titanium end fitting. Three stainless steel set screws allow unlimited axial rotation and rigid, torque-free clamping at desired position. Hex wrench included.

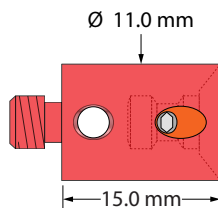
M5 Pro Fit four-way stylus holder



Part Number	Accepts Stem Diameter	Wt
RAP-11PF-PH1	1.0 mm	6.83
RAP-11PF-PH1.5	1.5 mm	6.79
RAP-11PF-PH2	2.0 mm	6.70

M5 four-way stylus holder for unthreaded styli, Pro Fit series. Holder is 11.0 mm diameter stainless steel. Four set screws hold unthreaded styli to create a star stylus. Adjusts to any radial angle. Select 1.0, 1.5, or 2.0 mm diameter stems. Includes aluminum conical end receiver and hex wrenches.

M5 Pro Fit conical end receiver



Part Number	Wt
RAP-11PF-CE	2.97

M5 conical end receiver for Pro Fit series. 11.0 mm diameter x 15.0 mm long. Red anodized aluminum. Three stainless steel set screws allow unlimited axial rotation and rigid, torque-free clamping at desired position. Hex wrench included.



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M5 Threads

M5 Pro Fit knuckle joint



Part Number	Wt
RAP-11PF-RJM5	13.44

M5 knuckle joint for Pro Fit series. 11.0 mm diameter x 40.0 mm long. Titanium and aluminum. Hex wrenches included.

M5 Pro Fit cubes



RAP-11PF-WM5-15-3-T-PF

Part Number	Sides	Wt
RAP-11PF-WM5-15-T-PF	5 (90 degrees)	15.38
RAP-11PF-WM5-15-T-3-PF	4 (120 degrees)	15.91

RAP-11PF-WM5-15-T-PF

M5 Pro Fit titanium cube with conical end. Includes one M5 Pro Fit conical end receiver (as shown) with hex wrench.

M5 Pro Fit 90 degree fitting



Part Number	Wt
JM5-90-PF	4.45

ProFit rotary fitting with M5 tapped hole at 90 degrees. Titanium.



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M5 Threads

M5 Pro Fit adapter plates



VAS-1054-PF

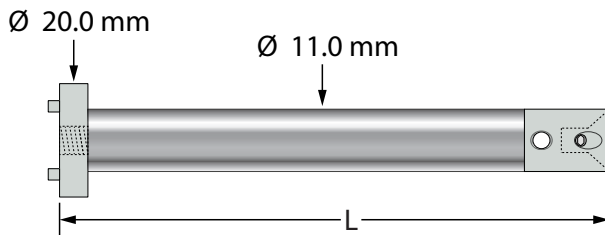


VAS-1054-PF-40

Adapter plates with ID chip and titanium Pro Fit cubes for VAST probe heads.

Part Number	Wt
VAS-1054-PF	154.13
VAS-1054-PF-40	186.71

M5 Pro Fit extensions



Part Number	L	Wt
VM5-12.70-PF	70.0	15.83
VM5-12.80-PF	80.0	16.55
VM5-12.90-PF	90.0	17.28
VM5-12.110-PF	110.0	18.73
VM5-12.130-PF	130.0	20.18
VM5-12.160-PF	160.0	22.35
VM5-12.180-PF	180.0	23.80
VM5-12.190-PF	190.0	24.53
VM5-12.210-PF	210.0	25.98
VM5-12.240-PF	240.0	30.90
VM5-12.260-PF	260.0	32.35
VM5-12.310-PF	310.0	35.98
VM5-12.410-PF	410.0	43.23

M5 Pro Fit extension with 11.0 mm diameter carbon fiber body, titanium end fittings, and conical end receiver. For use with Pro Fit adapter plate and assembly screw (see below).

M5 Pro Fit assembly screw



Part Number	Wt
SM5-25-PF	4.64

Stainless steel hex head cap screw for assembling Pro Fit extensions with Pro Fit adapter plates.



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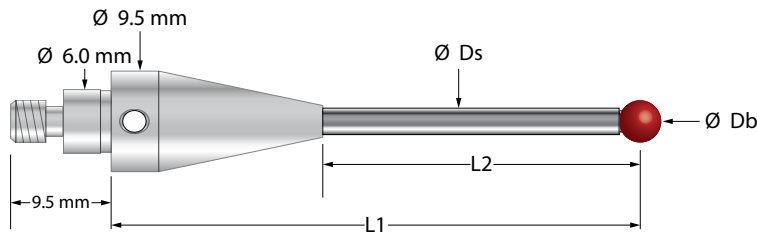


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Blum Compatible Parts



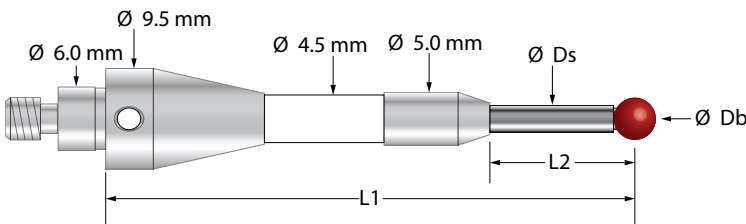
M4 carbide stem styli, TC50/51



M4 stylus with ruby ball, carbide stem, and stainless steel base, for Blum probe systems.

Part Number	Db	Ds	L1	L2
TM4-3051.5-BL-TC50/51	3.0	2.0	50.0	30.0
TM4-4052-BL-TC50/51	4.0	2.5	50.0	30.0
TM4-5052.5-BL-TC50/51	5.0	2.5	50.0	30.0
TM4-6053-BL-TC50/51	6.0	2.5	50.0	30.0
TM4-40102-BL-TC50/51	4.0	2.5	100.0	80.0
TM4-50102.5-BL-TC50/51	5.0	2.5	100.0	80.0
TM4-60103-BL-TC50/51	6.0	2.5	100.0	80.0

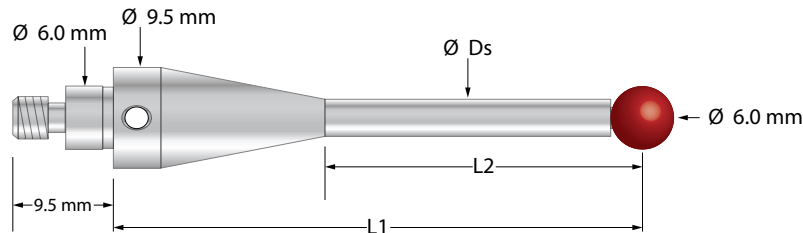
M4 carbide, ceramic, and stainless steel stem styli, TC50/51



M4 stylus with ruby ball, carbide stem, ceramic body, and stainless steel base, for Blum probe systems.

Part Number	Db	Ds	L1	L2
TM4-3051.5-C-BL-TC50/51	3.0	2.0	50.0	10.0
TM4-4052-C-BL-TC50/51	4.0	2.5	50.0	11.0
TM4-5052.5-C-BL-TC50/51	5.0	3.5	50.0	12.0
TM4-20101-C-BL-TC50/51	2.0	1.0	100.0	8.3
TM4-30101.5-C-BL-TC50/51	3.0	2.0	100.0	10.0
TM4-40102-C-BL-TC50/51	4.0	2.5	100.0	11.0
TM4-40152-C-BL-TC50/51	4.0	2.5	150.0	11.0

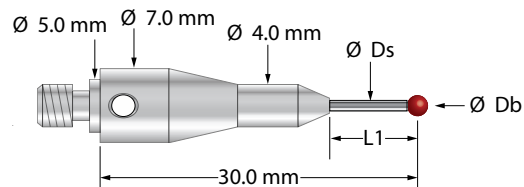
M4 stainless steel stem styli, TC50/51



M4 stylus with ruby ball, stainless steel stem and base, for Blum probe systems.

Part Number	Ds	L1	L2
TM4-60103-S-BL-TC50/51	4.5	100.0	75.0
TM4-60153-S-BL-TC50/51	4.5	150.0	125.0

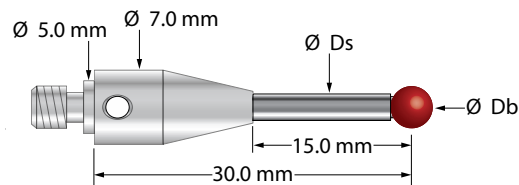
M4 carbide stem styli, TC52/53/54/76



M4 stylus with ruby ball, carbide stem, and stainless steel base, for Blum probe systems.

Part Number	Db	Ds	L1
TM4-1030.5-BL-CARB	1.0	0.7	5.1
TM4-2031-BL	2.0	1.0	8.3

M4 carbide stem styli, TC52/53/54/76



M4 stylus with ruby ball, carbide stem, and stainless steel base, for Blum probe systems.

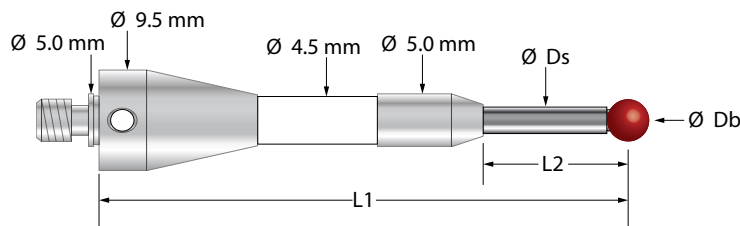
Part Number	Db	Ds
TM4-3031.5-BL	3.0	1.5
TM4-4032-BL	4.0	2.5
TM4-5032.5-BL	5.0	2.5
TM4-6033-BL	6.0	2.5



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Blum Compatible Parts

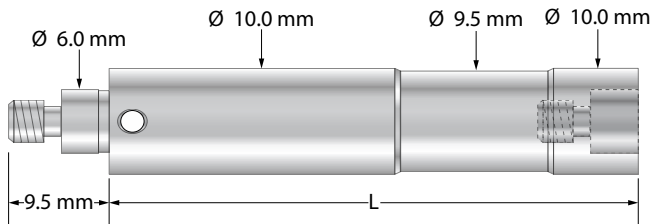
M4 carbide, ceramic, and stainless steel stem styli, TC52/53/54/76



Part Number	Db	Ds	L1	L2
TM4-1050.5-C-BL	1.0	0.7	50.0	5.1
TM4-2051-C-BL	2.0	1.0	50.0	8.0
TM4-3051.5-C-BL	3.0	2.0	50.0	11.8
TM4-4052-C-BL	4.0	2.5	50.0	13.7
TM4-5052.5-C-BL	5.0	3.5	50.0	12.0
TM4-5077.5-C-BL	5.0	3.5	75.0	14.5
TM4-50102.5-C-BL	5.0	3.5	100.0	14.5

M4 stylus with ruby ball, carbide stem, ceramic body, and stainless steel base, for Blum probe systems.

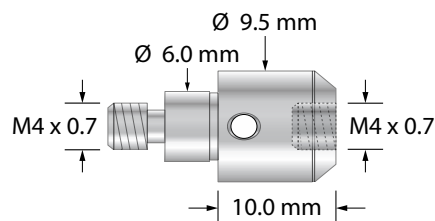
M4 extensions



Part Number	L2
VM4-50-BL	50.0
VM4-75-BL	75.0
VM4-100-BL	100.0

M4 extension, stainless steel, for Blum probe systems.

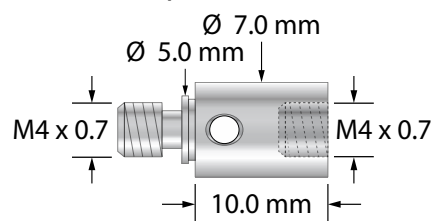
Thread adapter for Blum TC50/51/60



Part Number
RB50-M4

Thread adapter, M4 Blum (TC50/51/60) to standard M4 x 0.7 threads. Stainless steel.

Thread adapter for Blum TC52/62/76



Part Number
RB52-M4

Thread adapter, M4 Blum (TC52/62/76) to standard M4 x 0.7 threads. Stainless steel.

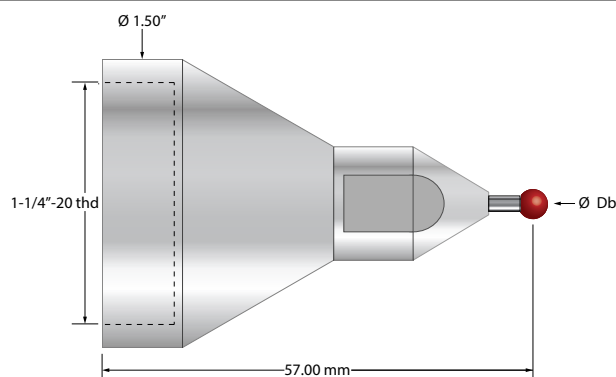


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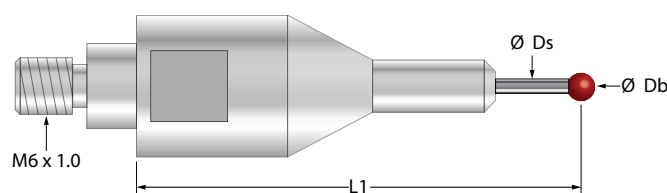
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Faro Compatible Parts



Part Number	Db	Wt
QMFP-2	2.0	102
QMFP-3	3.0	103
QMFP-3.5	3.5	103
QMFP-4	4.0	103
QMFP-5	5.0	104
QMFP-6	6.0	105
QMFP-8	8.0	107

Faro compatible stylus with carbide stem, ruby, silicon nitride, zirconia, carbide, or steel ball, and stainless steel base.



Part Number	Db	Ds	L1
QMFARO-1/16	1/16"	1.0	44.0
QMFARO-1/8	1/8"	2.0	44.0
QMFARO-1/4	1/4"	2.5	44.0
QMFARO-5/16	5/16"	2.0	44.0
QMFARO-15	1.5	1.0	47.05
QMFARO-20	2.0	1.5	47.05
QMFARO-30	3.0	2.0	44.0
QMFARO-40	4.0	2.0	44.0
QMFARO-50	5.0	2.0	44.0
QMFARO-60	6.0	2.0	44.0

Faro compatible stylus with ruby, silicon nitride, or zirconia ball, carbide stem, and stainless steel base.

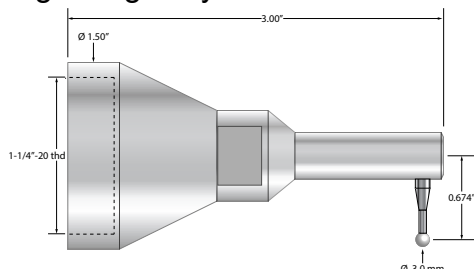
Thread adapters and scribe point



Part Number	Thread Sizes
QFA-NM5	M6 (OD) to M5 (ID)
QFT-M5	1-1/4-20 (ID) to M5 (ID)
QFT-M6	1-1/4-20 (ID) to M6 (ID)
QMFP-S30-C	1-1/4-20 (ID)

Faro thread to metric thread adapters, stainless steel. Scribe has a stainless steel base and 30 degree carbide point.

Right angle stylus



Part Number
QMFP-30-90-Z

Faro compatible right angle stylus with stainless steel base, carbide stem, and 3.0 mm diameter zirconia ball.

For a silicon nitride ball, add -SN to the end of the part number.

For a zirconia ball, add -Z to the end of the part number.

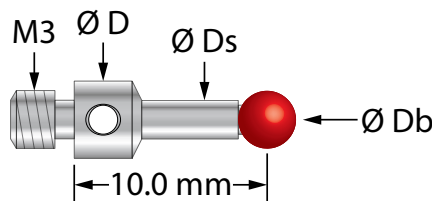


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Romer Compatible Parts



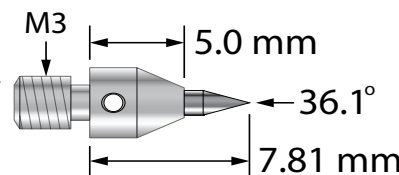
Romer compatible styli with ruby, silicon nitride, or zirconia ball



Romer compatible styli with stainless steel base and stem.

Part Number	Db	Ds	D	Wt
TM3-2010-S	2.0	1.5	3.5	0.83
TM3-3010-S	3.0	2.0	4.0	0.98
TM3-4010-S	4.0	2.5	4.0	1.04
TM3-5010-S	5.0	2.5	4.0	1.20
TM3-6010-S	6.0	2.5	4.0	1.35
TM3-8010-S	8.0	4.0	4.0	2.20

Romer compatible scriber



Romer compatible scriber with stainless steel base and carbide point.

Part Number
TM3-S30R-C



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Adapter Plates and accessories

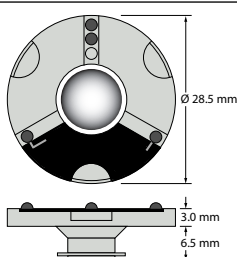


Adapter plates for M3 styli



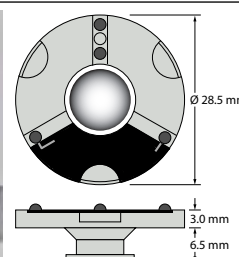
M3 adapter plate, aluminum, with ID chip. Fits TL1 probe head.

Part Number	Wt
XXT-AP-ID	4.59



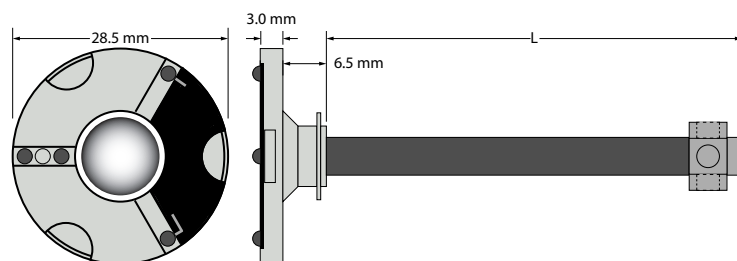
M3 adapter plate, aluminum, with ID chip. Fits TL3 probe head.

Part Number	Wt
XXT-AP-ID3	4.59



M3 adapter plate, Delrin®, with ID chip for XXT-ID TL1 or TL3. Light weight design.

Part Number	Fits	Wt
XXT-AP-ID-D	TL1	3.28
XXT-AP-ID3-D	TL3	3.28



Part Number	Fits	L	Wt
XXT-AP-ID-STR	TL1	55.0	6.90
XXT-AP-ID3-STR	TL3	55.0	6.90
XXT-AP-ID3-STR-75	TL3	75.0	7.50
XXT-AP-ID3-STR-100	TL3	100.0	8.25
XXT-AP-ID3-STR-125	TL3	125.0	8.98
XXT-AP-ID3-STR-150	TL3	150.0	9.73

M3 adapter plate, aluminum, with 5.0 mm diameter carbon fiber extension and titanium M3 end fitting. TL1 is available in 55.0 mm length only.



M3 adapter plate, aluminum, with 4.0 mm diameter carbon fiber extension and stainless steel M3 end fitting.

Part Number	Wt
RADP25-2	4.10



Part Number	Wt
LSP-209-X1	6.88

M3 adapter plate, aluminum, clamping, for X1c and X1h.



Part Number
CP-X1

Stylus change port for clamping adapter plate LSP-209-X1.



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Adapter Plates and accessories



Adapter plates for M5 components



Part Number	Wt
VAS-1054	140.86

M5 adapter plate for VAST probe system with hard anodized aluminum cube and ID chip. 69.0 mm diameter.



Part Number	Wt
VAS-8574	143.37

M5 adapter plate for VAST probe system with hard anodized aluminum cube. No ID chip. 69.0 mm diameter.



Part Number	Wt
VAS-XT-9010	149.45

M5 adapter plate for VAST-XT probe system. 69.0 mm diameter.



Part Number	Wt
VAS-XT-9010-C	143.27

M5 adapter plate for VAST-XT probe system with hard anodized aluminum cube. 69.0 mm diameter.



Part Number	Wt
VAS-9116	169.93

M5 adapter plate with titanium plate and 32.5 mm offset M5 tapped hole. Used on gear checking machines with VAST probe heads.

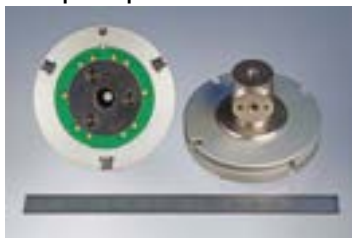


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Adapter Plates and accessories



Adapter plates for M5 Pro Fit components



Part Number	Wt
VAS-1054-PF	154.13

M5 adapter plate with ID chip and single Pro Fit cube for VAST probe system. 69.0 mm diameter.



Part Number	Wt
VAS-1054-PF-40	186.71

M5 adapter plate with ID chip and double Pro Fit cube for VAST probe system. 69.0 mm diameter.



Part Number	Wt
VAS-1054-50-PF	157.61

M5 adapter plate with ID chip and single Pro Fit cube for VAST probe system. Includes 20.0 mm diameter x 50.0 mm long Therm-X extension.

Adapter plate for Klingelnberg



Part Number	Wt
KGMC-2000	63.73

M5 adapter plate for Klingelnberg P26 and P40 gear measurement systems.

Probe bay for VAST adapter plates



Part Number	Quantity
VAS-BAY	One

Holds one VAST adapter plate. Mounting hardware included.



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Adapter Plates and accessories



Probe bay for XXT adapter plates



Part Number	Quantity
PS-XXT	One
PS-XXT-3	Three

Each bay holds up to three XXT adapter plates. Mounting hardware included.

Two-level rack for VAST, RDS, and XXT probe bays



Part Number
PCM-MINI

Two-level probe change rack for VAST, RDS, and XXT probe bays. Bolts to CMM table with stainless steel cap screw (included). 720 mm wide by 450 mm tall. Probe bays sold separately.

Cube Squared™



Part Number	Quantity
QM-C2	One

Squares VAST and VAST-XT adapter plates to the CMM axis in one minute or less. No other tools needed.

Cube Squared Plus™



Part Number	Quantity
QM-C2P	One

Sets VAST and VAST-XT plates to any angle to the CMM axis in one minute or less. No other tools needed.



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Calibration Spheres

Grade 5 ruby calibration sphere



Part Number	Sphere Diameter (mm)
CAL-DK5	5.0

Grade 5 ruby calibration sphere mounted on M6 threaded blackened stainless steel base. Independent laboratory certifications included.

Grade 5 ceramic calibration spheres



Part Number	Sphere Diameter (mm)
CAL-DK8-C	8.0
CAL-DK12-C	12.0
CAL-DK14	14.0
CAL-DK15	15.0
CAL-DK20	20.0
CAL-DK25	25.0
CAL-DK25.4	25.4
CAL-DK30	30.0

Grade 5 ceramic calibration spheres mounted on M6 threaded blackened stainless steel bases. Independent laboratory certs included.

Base and stand for one calibration sphere



Part Number
CAL-DKMB

Black powder-coated stainless steel base and stand for one calibration sphere. Base diameter is 85.0 mm with 112.0 mm tall post. Accepts calibration spheres with M6 threaded bases. A stainless steel M12 cap screw is included for fastening to CMM table, and a 1/4-20 cap screw is included for mounting to threaded subplates. Calibration sphere sold separately.

Base and stand for two calibration spheres



Part Number
CAL-DKMB-DE

Black powder-coated stainless steel base and stand for two calibration spheres. Base diameter is 85.0 mm with 112.0 mm tall post. Accepts calibration spheres with M6 threaded bases. A stainless steel M12 cap screw is included for fastening to CMM table, and a 1/4-20 cap screw is included for mounting to a threaded subplate. Calibration spheres sold separately.



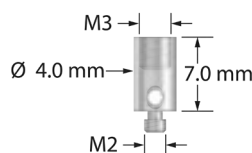
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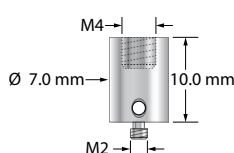
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Thread Adapters and accessories

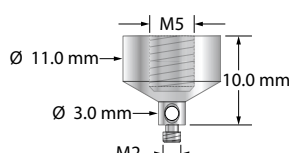
M2 to other



Part Number	Wt
RM2-M3	0.49



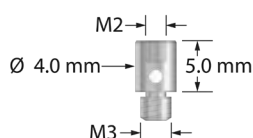
Part Number	Wt
RM2-M4	1.61



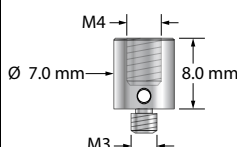
Part Number	Wt
RM2-M5	3.94

Stainless steel.

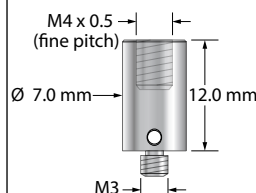
M3 to other



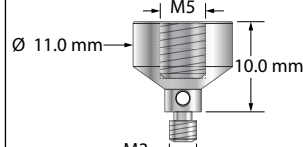
Part Number	Wt
RM3-M2	0.63



Part Number	Wt
RM3-M4	1.92



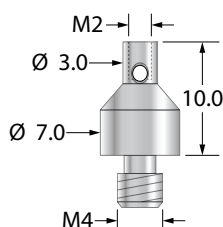
Part Number	Wt
RM3-M4-DEA	2.77



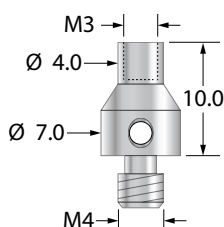
Part Number	Wt
RM3-M5	3.73

Stainless steel.

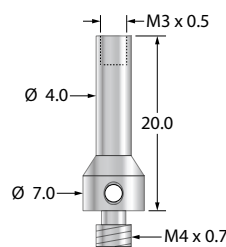
M4 to other



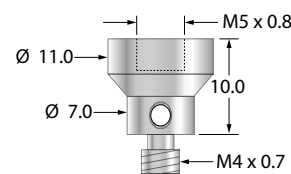
Part Number	Wt
RM4-M2	1.88



Part Number	Wt
RM4-M3	1.72



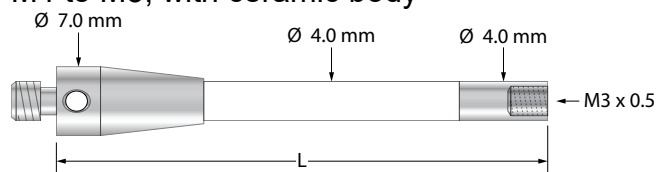
Part Number	Wt
RM4-M3-L	2.71



Part Number	Wt
RM4-M5	4.50

Stainless steel.

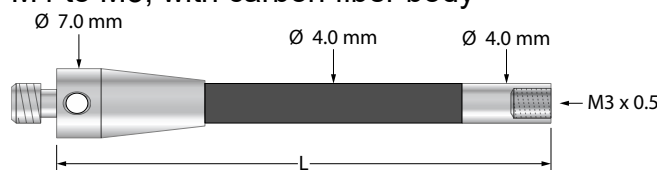
M4 to M3, with ceramic body



Part Number	L	Wt
RM4-50-M3-C	50.0	4.36
RM4-75-M3-C	75.0	5.18
RM4-100-M3-C	100.0	6.27

M4 to M3 thread adapter, ceramic, with stainless steel end fittings.

M4 to M3, with carbon fiber body



Part Number	L	Wt
RM4-50-M3-G	50.0	3.49
RM4-75-M3-G	75.0	4.14
RM4-100-M3-G	100.0	5.02

M4 to M3 thread adapter, carbon fiber, with stainless steel end fittings.

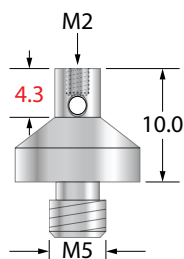


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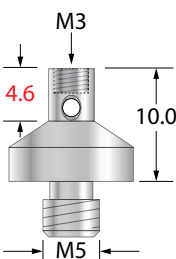
Thread Adapters and accessories



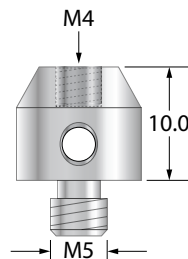
M5 to other



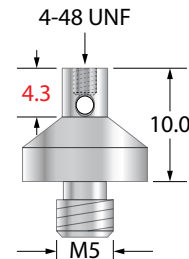
Part Number	Wt
RM5-M2	3.88



Part Number	Wt
RM5-M3	3.64



Part Number	Wt
RM5-M4	5.79



Part Number	Wt
RM5-4-48	3.62

Stainless steel.

Probe keys, golf tee style



Hardened and tempered tool steel with black oxide finish.

Part Number	Fits
PK2-PK3	M2 & M3
PK-3-R	M3 Romer
PK-4-GT	M4
PK-5-GT	M5

Probe keys, offset style



Hardened and tempered tool steel with stainless steel handle.

Part Number	Fits
PK-2	M2
PK-3	M3
PK-4	M4
PK-5	M5

Thread card



End the guesswork over the correct thread and ball sizes for your probe systems. Our exclusive thread card has ten different tapped holes between M2 and 3/8-24 UNF to check thread sizes, and ten holes from 1.0 mm to 6.0 mm diameter to gage ball sizes. A built-in 40.0 mm long scale is helpful for estimating probe lengths.

We make these from aircraft-grade aluminum. They are machined, red anodized, and laser engraved. About the size of a playing card, they are approximately 75.0 mm long x 50.0 mm wide x 3.0 mm thick.

A protective slip cover (shown) is included.

Part Number
Thread Card



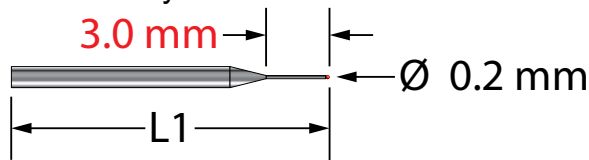
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Unthreaded Styli

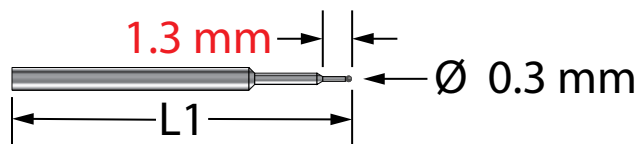
0.2 mm ruby ball with 1.0 mm stem



Part Number	L1	Wt
TST-0210-R	10.0	0.09
TST-0215-R	15.0	0.14
TST-0225-R	25.0	0.21

Unthreaded styli with 0.2 mm diameter ruby ball and tapered carbide stem. Minor stem diameter is 0.15 mm and major stem diameter is 1.0 mm.

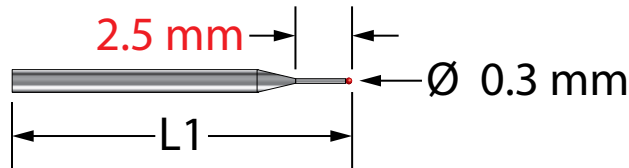
0.3 mm carbide ball with 1.0 mm stem



Part Number	L1	Wt
TST-0310-C	10.0	0.11
TST-0315-C	15.0	0.17
TST-0316.5-C	16.5	0.18
TST-0325-C	25.0	0.28

Unthreaded styli with 0.3 mm diameter carbide ball and stepped carbide stem. Minor stem diameter is 0.2 mm, intermediate diameter is 0.5 mm, and major stem diameter is 1.0 mm.

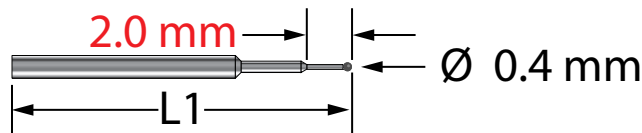
0.3 mm ruby ball with 1.0 mm stem



Part Number	L1	Wt
TST-0308-R	8.0	0.07
TST-0310-R	10.0	0.09
TST-0315-R	15.0	0.13
TST-0315.3-R	15.3	0.14

Unthreaded styli with 0.3 mm diameter ruby ball and tapered carbide stem. Minor stem diameter is 0.2 mm and major diameter is 1.0 mm.

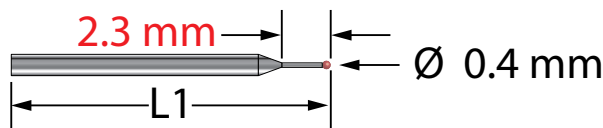
0.4 mm carbide ball with 1.0 mm stem



Part Number	L1	Wt
TST-0415-C	15.0	0.15
TST-0425-C	25.0	0.23

Unthreaded styli with 0.4 mm diameter carbide ball and stepped carbide stem. Minor stem diameter is 0.25 mm, intermediate diameter is 0.5 mm, and major stem diameter is 1.0 mm.

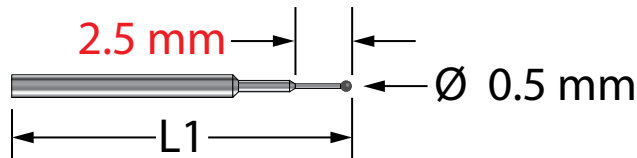
0.4 mm ruby or silicon nitride ball with 1.0 mm stem



Part Number	L1	Wt
TST-0415	15.0	0.15
TST-0425	25.0	0.23

Unthreaded styli with 0.4 mm diameter ruby or silicon nitride ball and tapered carbide stem. Minor stem diameter is 0.30 mm and major stem diameter is 1.0 mm.

0.5 mm carbide ball with 1.0 mm stem



Part Number	L1	Wt
TST-0515-C	15.0	0.17
TST-0525-C	25.0	0.28

Unthreaded styli with 0.5 mm diameter carbide ball and stepped carbide stem. Minor stem diameter is 0.30 mm, intermediate diameter is 0.5 mm, and major stem diameter is 1.0 mm.

For a silicon nitride ball, add -SN to the end of the part number.

For a zirconia ball, add -Z to the end of the part number.

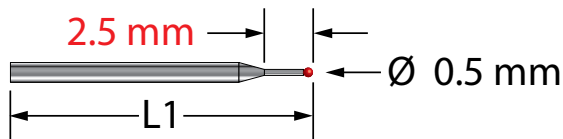


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Unthreaded Styli



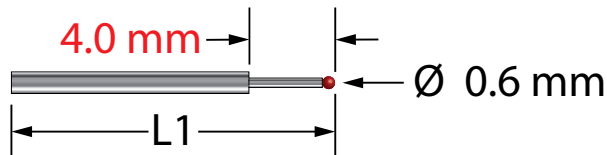
0.5 mm ruby or silicon nitride ball with 1.0 mm stem



Part Number	L1	Wt
TST-0510-R	10.0	0.11
TST-0515-R	15.0	0.14
TST-0515.5-R	15.5	0.15
TST-0525-R	25.0	0.24

Unthreaded styli with 0.5 mm diameter ruby or silicon nitride ball and tapered carbide stem. Minor stem diameter is 0.3 mm and major diameter is 1.0 mm.

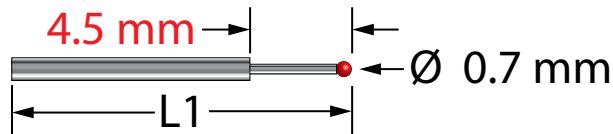
0.6 mm ruby, silicon nitride, zirconia, or carbide ball with 1.0 mm stepped stem



Part Number	L1	Wt
TST-0610	10.0	0.09
TST-0615	15.0	0.13
TST-0615.5	16.5	0.14
TST-0620	20.0	0.21
TST-0625	25.0	0.29

Unthreaded styli with 0.6 mm diameter ball and stepped carbide stem. Minor stem diameter is 0.4 mm and major diameter is 1.0 mm.

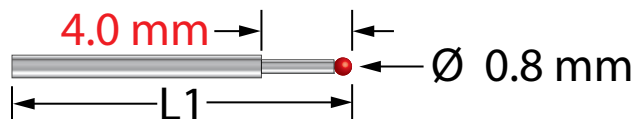
0.7 mm ruby ball with 1.0 mm stem



Part Number	L1	Wt
TST-0715	15.0	0.15

Unthreaded styli with 0.7 mm diameter ruby ball and stepped carbide stem. Minor stem diameter is 0.5 mm and major diameter is 1.0 mm.

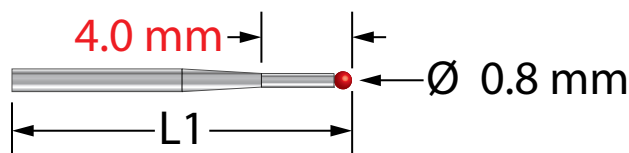
0.8 mm ruby, silicon nitride, or zirconia ball with 1.0 mm stepped stem



Part Number	L1	Wt
TST-0810	10.0	0.07
TST-0815	15.0	0.14
TST-0820	20.0	0.18
TST-0825	25.0	0.24

Unthreaded styli with 0.8 mm diameter ball and stepped carbide stem. Minor stem diameter is 0.6 mm and major diameter is 1.0 mm.

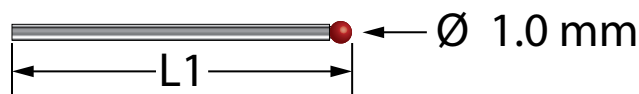
0.8 mm ruby, silicon nitride, or zirconia ball with 1.0 mm tapered stem



Part Number	L1	Wt
TST-0810-T	10.0	0.07
TST-0815-T	15.0	0.14
TST-0820-T	20.0	0.18
TST-0825-T	25.0	0.24

Unthreaded styli with 0.8 mm diameter ball and tapered carbide stem. Minor stem diameter is 0.6 mm and major diameter is 1.0 mm.

1.0 mm ruby, silicon nitride, or zirconia ball with 0.7 mm stem



Part Number	L1	Wt
TST-1010-DS.7	10.0	0.06
TST-1015-DS.7	15.0	0.08

Unthreaded styli with 1.0 mm diameter ball and 0.7 mm diameter carbide stem.

For a silicon nitride ball, add -SN to the end of the part number.

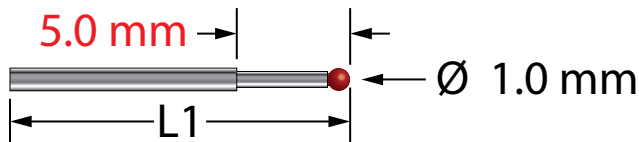
For a zirconia ball, add -Z to the end of the part number.



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Unthreaded Styli

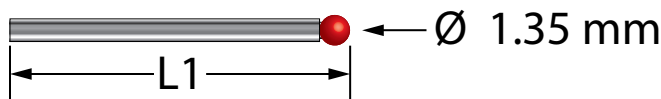
1.0 mm ruby, silicon nitride, or zirconia ball with 1.0 mm stepped stem



Part Number	L1	Wt
TST-1010	10.0	0.11
TST-1015	15.0	0.16
TST-1016	16.0	0.17
TST-1020	20.0	0.21
TST-1025	25.0	0.26
TST-1030	30.0	0.31
TST-1035	35.0	0.36
TST-1040	40.0	0.41

Unthreaded styli with 1.0 mm diameter ball and stepped carbide stem. Minor stem diameter is 0.7 mm and major diameter is 1.0 mm.

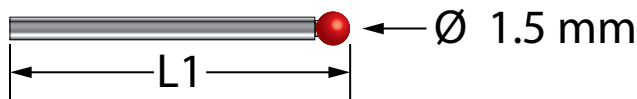
1.35 mm ruby or silicon nitride ball with 1.0 mm stem



Part Number	L1	Wt
TST-1308	8.0	0.08
TST-1315	15.0	0.16
TST-1320	20.0	0.21
TST-1325	25.0	0.26
TST-1335	35.0	0.36

Unthreaded styli with 1.35 mm diameter ball and 1.0 mm diameter carbide stem.

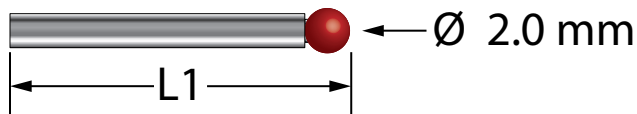
1.5 mm ruby, silicon nitride, or zirconia ball with 1.0 mm stem



Part Number	L1	Wt
TST-1508	8.0	0.08
TST-1515	15.0	0.16
TST-1520	20.0	0.21
TST-1525	25.0	0.26
TST-1526.5	26.5	0.28
TST-1530	30.0	0.32
TST-1535	35.0	0.36
TST-1540	40.0	0.41
TST-1550	50.0	0.52

Unthreaded styli with 1.5 mm diameter ball and 1.0 mm diameter carbide stem.

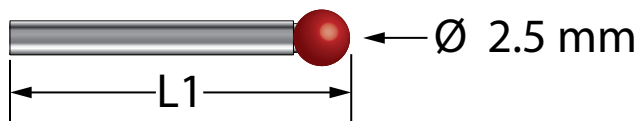
2.0 mm ruby, silicon nitride, or zirconia ball with 1.5 mm stem



Part Number	L1	Wt
TST-2015	15.0	0.40
TST-2025	25.0	0.67
TST-2030	30.0	0.80
TST-2035	35.0	0.93
TST-2040	40.0	1.07

Unthreaded styli with 2.0 mm diameter ball and 1.5 mm diameter carbide stem.

2.5 mm ruby, silicon nitride, or zirconia ball with 1.5 mm stem



Part Number	L1	Wt
TST-2525	25.0	0.67
TST-2530	30.0	0.81

Unthreaded styli with 2.5 mm diameter ball and 1.5 mm diameter carbide stem.

For a silicon nitride ball, add -SN to the end of the part number.

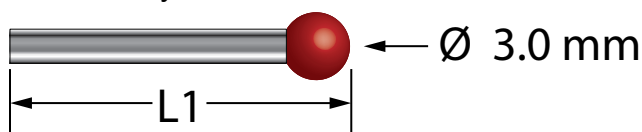
For a zirconia ball, add -Z to the end of the part number.



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Unthreaded Styli

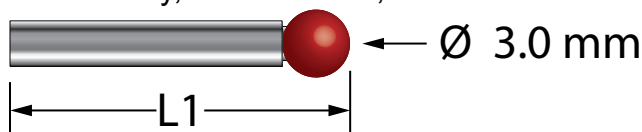
3.0 mm ruby, silicon nitride, or zirconia ball with 1.5 mm stem



Part Number	L1	Wt
TST-3025	25.0	0.67
TST-3030	30.0	0.80

Unthreaded styli with 3.0 mm diameter ball and 1.5 mm diameter carbide stem.

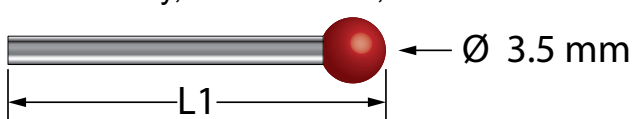
3.0 mm ruby, silicon nitride, or zirconia ball with 2.0 mm stem



Part Number	L1	Wt
TST-3035	35.0	1.58
TST-3040	40.0	1.80
TST-3045	45.0	2.02

Unthreaded styli with 3.0 mm diameter ball and 2.0 mm diameter carbide stem.

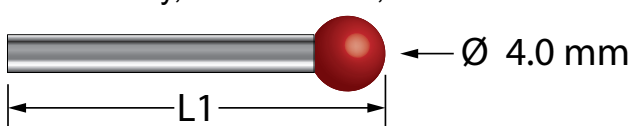
3.5 mm ruby, silicon nitride, or zirconia ball with 1.5 mm stem



Part Number	L1	Wt
TST-3540	40.0	0.96

Unthreaded styli with 3.5 mm diameter ball and 1.5 mm diameter carbide stem.

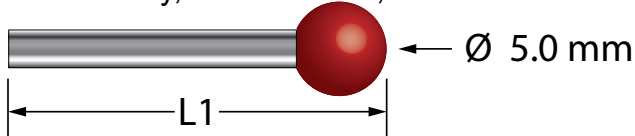
4.0 mm ruby, silicon nitride, or zirconia ball with 2.0 mm stem



Part Number	L1	Wt
TST-4030	30.0	1.42

Unthreaded styli with 4.0 mm diameter ball and 2.0 mm diameter carbide stem.

5.0 mm ruby, silicon nitride, or zirconia ball with 2.0 mm stem



Part Number	L1	Wt
TST-5055	55.0	2.60

Unthreaded styli with 5.0 mm diameter ball and 2.0 mm diameter carbide stem.

For a silicon nitride ball, add -SN to the end of the part number.

For a zirconia ball, add -Z to the end of the part number.



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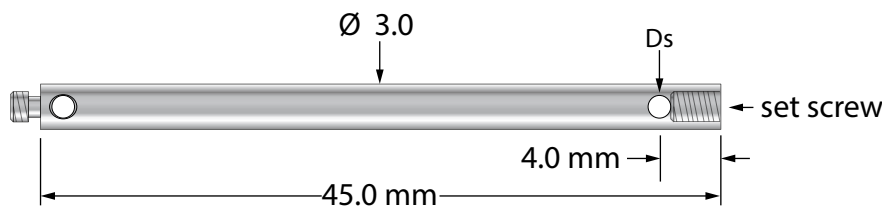


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Unthreaded Stylus Holders



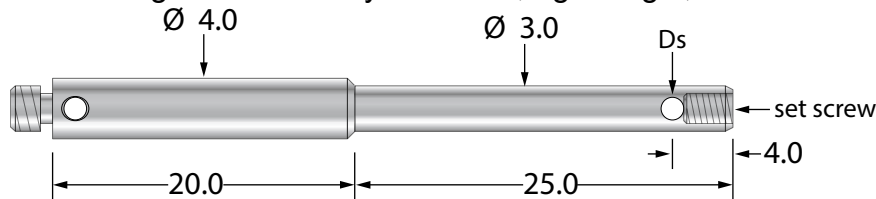
M2 ultra-light threaded stylus holder, right angle, for one unthreaded stylus



Part Number	Ds	Wt
PH2-10	1.0	2.42
PH2-15	1.5	2.39

M2 ultra-light right angle stylus holder, 3.0 mm diameter stainless steel. Holds one unthreaded stylus at 90 degrees from body. Stainless steel set screw for clamping. Includes one 0.7 mm hex wrench for set screw.

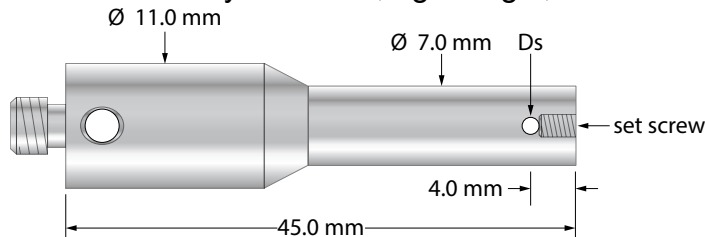
M3 ultra-light threaded stylus holder, right angle, for one unthreaded stylus



Part Number	Ds	Wt
PH3-10	1.0	3.30
PH3-15	1.5	3.26

M3 ultra-light right angle stylus holder, 4.0 mm diameter stainless steel. Holds one unthreaded stylus at 90 degrees from body. Stainless steel set screw for clamping. Includes one 0.7 mm hex wrench for set screw.

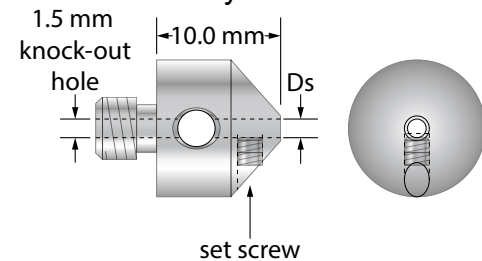
M5 threaded stylus holder, right angle, for one unthreaded stylus



Part Number	Ds	Wt
PH-10	1.0	21.86
PH-15	1.5	21.73

M5 right angle stylus holder, 11.0 mm diameter stainless steel. Holds one unthreaded stylus at 90 degrees from body. Stainless steel set screw for clamping. Includes one 0.7 mm hex wrench for set screw.

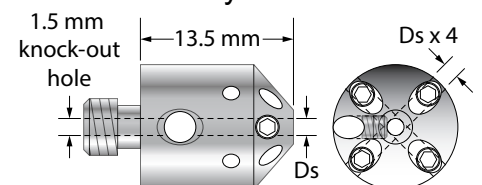
M5 threaded stylus holder for one unthreaded stylus



Part Number	Ds	Wt
QC-100	1.0	5.19
QC-150	1.5	4.92
QC-200	2.0	4.47

Holds one unthreaded stylus. Features a 1.5 mm diameter knock-out hole through the threaded base. 11.0 mm diameter stainless steel, with stainless steel set screw. Includes one 0.7 mm hex wrench for set screw.

M5 threaded stylus holder for one to five unthreaded styli in star configuration



Part Number	Ds	Wt
PH-100	1.0	7.46
PH-150	1.5	7.38
PH-200	2.0	7.28

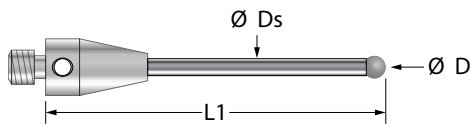
Holds up to five unthreaded styli. Features a 1.5 mm diameter knock-out hole through the threaded base. 11.0 mm diameter stainless steel, with five stainless steel set screws. Includes one 0.7 mm hex wrench for set screws.



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Diamond Styli

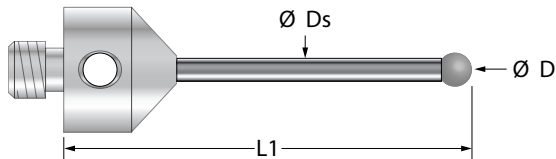
M3 diamond styli with standard base



Part Number	D	L1	Ds	Wt
TM3-2030-TX-D	2.0	30.0	1.5	1.01

M3 stylus with solid diamond sphere, carbide stem, and 4.0 mm diameter x 9.0 mm long stainless steel base.

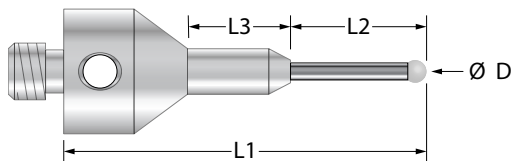
M5 diamond styli with standard base



Part Number	D	L1	Ds	Wt
AFG-1022.5-DS.8-D	1.0	22.5	0.8	5.56
AFG-2020-DS1.5-D	1.5	20.0	1.5	5.74
AFG-2058-D	2.0	58.0	1.5	6.88
ATG-3025-D	3.0	25.0	1.5	6.01
ATG-3033-D	3.0	33.0	2.0	6.75
ATG-3036-D	3.0	36.0	2.0	6.88
ATG-3050-D	3.0	50.0	2.0	7.50
ATG-3058-D	3.0	58.0	2.0	7.86
ATG-3064-D	3.0	64.0	2.0	8.12
ATG-3075-D	3.0	75.0	2.0	8.62
ATG-3090-D	3.0	90.0	2.0	9.29

M5 stylus with solid diamond sphere, carbide stem, and 11.0 mm diameter x 10.0 mm long stainless steel base.

M5 diamond styli with stepped base



Part Number	D	L1	L2	L3	Wt
AQG-2032-D	2.0	32.0	12.0	9.0	7.12
ARG-2044-D	2.0	44.0	19.0	12.5	7.88

M5 stylus with solid diamond sphere, 1.5 mm diameter carbide stem, and 11.0 mm diameter stainless steel base.

We can put a 1.0, 2.0, 3.0, or 5.0 mm diameter diamond sphere on just about any Q-Mark stylus. For more information, email sales@cmms.com.



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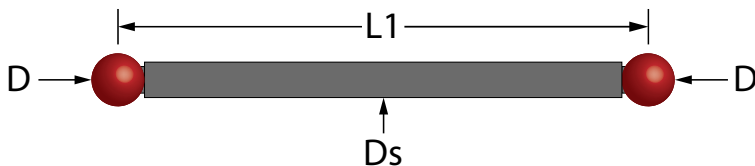


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CT Scan Artifacts



Computed Tomography (CT) Scan Artifacts



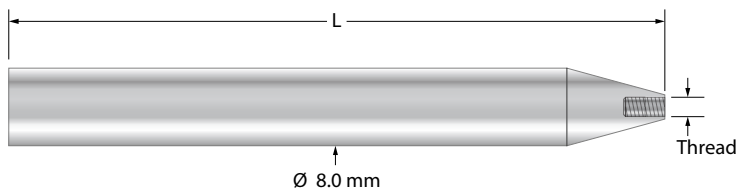
Part Number	D	L1	Ds	Wt
CT-2022	2.0	20.0	1.5	0.05
CT-3033	3.0	30.0	2.0	0.18
CT-6066	6.0	60.0	3.5	1.71
CT-8088	8.0	80.0	6.0	5.37

Two ruby spheres mounted on a carbon fiber strut. Laboratory certifications for precise distance between spheres are not included.

Mitutoyo Compatible Parts



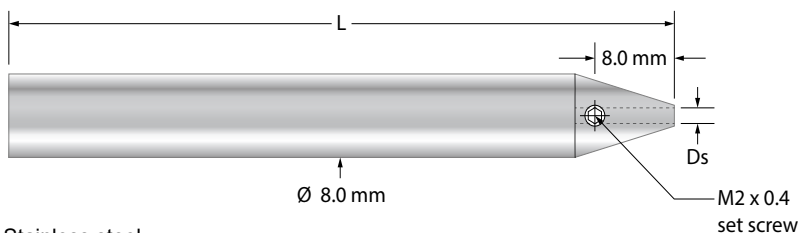
Mitutoyo height gage holders for threaded styli



Part Number	Thread	L
MH-M2	M2 x 0.4	54.0
MH-M3	M3 x 0.5	54.0

Stainless steel.

Mitutoyo height gage holders for unthreaded styli



Part Number	Ds	L
MH-10	1.0	67.0
MH-15	1.5	67.0
MH-20	2.0	62.0

Stainless steel.



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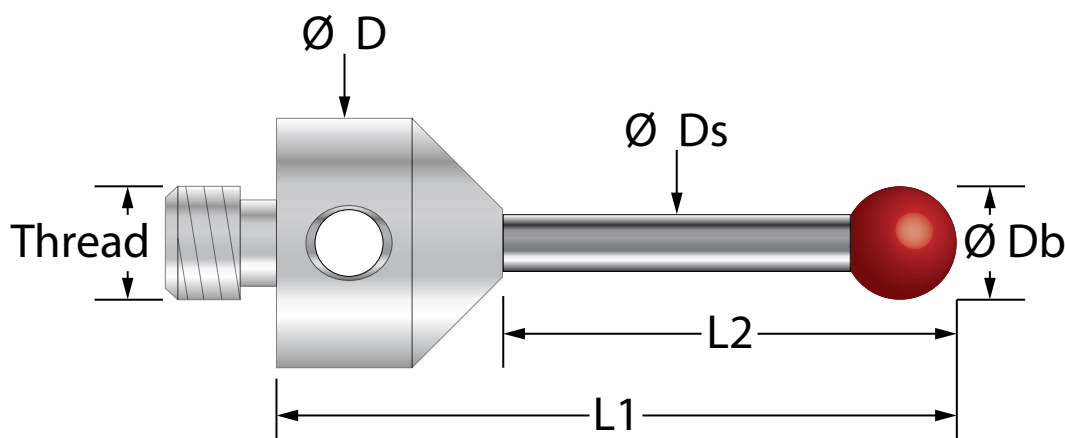
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Standard Stylus

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4. Get response in 1 or 2 business days.



Thread	D	Ds	L1	L2	Db	Quantity

Your name _____ Phone _____

Company _____ Email _____

Ball material: ☐ ruby ☐ silicon nitride ☐ ceramic ☐ carbide ☐ other _____

Stem material: ☐ carbide ☐ ceramic ☐ carbon fiber ☐ steel ☐ other _____

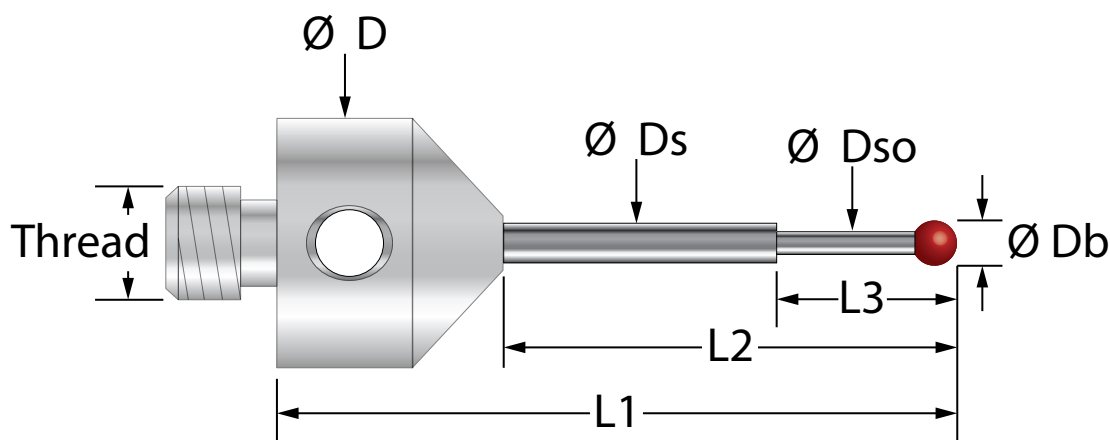
Base material: ☐ stainless steel ☐ aluminum ☐ titanium ☐ other _____

Comments / special requirements: _____

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Miniature Stylus

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Thread	D	Ds	Dso	L1	L2	L3	Db	Quantity

Your name _____ Phone _____

Company _____ Email _____

Ball material: ☐ ruby ☐ silicon nitride ☐ ceramic ☐ carbide ☐ other _____

Stem material: ☐ carbide ☐ ceramic ☐ carbon fiber ☐ steel ☐ other _____

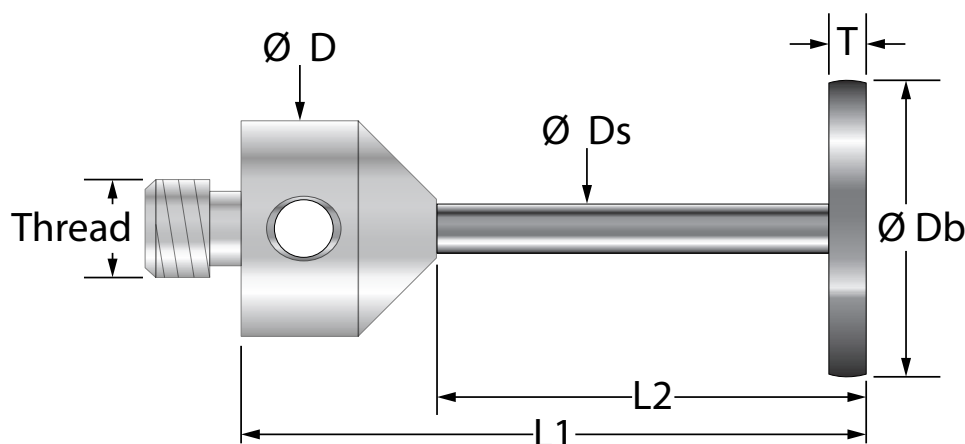
Base material: ☐ stainless steel ☐ aluminum ☐ titanium ☐ other _____

Comments / special requirements: _____

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Disk Stylus

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Thread	D	Ds	L1	L2	T	Db	Quantity

Your name _____ Phone _____

Company _____ Email _____

Disk material: ☐ hardened steel ☐ ceramic ☐ carbide ☐ other _____

Stem material: ☐ carbide ☐ ceramic ☐ carbon fiber ☐ steel ☐ other _____

Base material: ☐ stainless steel ☐ aluminum ☐ titanium ☐ other _____

Comments / special requirements: _____

DATE: _____

EMAIL ADDRESS FOR CONFIRMATION AND RECEIPT:

SHIPPING ADDRESS (No PO Boxes)

Company Name

Address

City

ZIP

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Credit Card Order



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BILLING ADDRESS

SHIPPING ADDRESS (No PO Boxes)

Company Name

Company Name

Address

Address

City

City

State

ZIP

State

ZIP

SHIPPING METHOD / WITHIN THE U.S. ONLY (Call for International Rates)

PO # OR ATTENTION TO:

☐ Ground (\$12) ☐ 2nd Day (\$35) ☐ 3rd Day (\$20) ☐ Next Day (\$62)

QTY	PART NUMBER	UNIT PRICE	LINE TOTAL
*Sales Tax will be added for orders shipping with California.		SUB-TOTAL	\$
		SHIPPING	\$
		ORDER TOTAL*	\$

TYPE OF CARD: ☐ VISA ☐ MASTERCARD ☐ AMEX

CARD NUMBER: _____

NAME OF CARDHOLDER: _____

EXPIRATION: _____ / _____ CVV/CVC SECURITY CODE: _____

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