

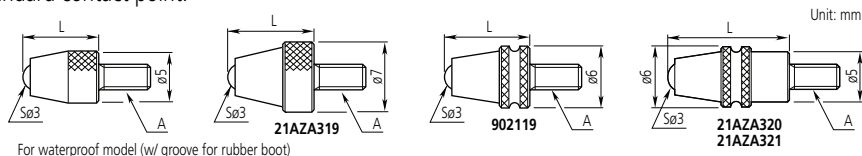
Contact Points

Optional Accessory for Digimatic and Dial Indicators and Linear Gages

SPECIFICATIONS

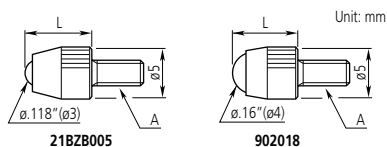
Ball Point

Standard contact point.



A: M2.5x0.45

L	Material	Carbide		Ruby	Plastic
		Without groove	With groove (waterproof type)	Without groove	Without groove
7.3		901312	—	120047	901994
8.3		21AZA319	902119	—	—
12.1		—	21AZA320	—	—
14		21JAA225	—	—	—
15		120049	—	120051	—
17		21JAA224	—	—	—
19.3		—	21AZA321	—	—
20		137391	—	137392	—
22		21JAA226	—	—	—
25		120053	—	120055	—
30		21AAA252	—	21AAA253	—

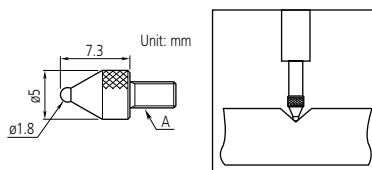


A: 4-48UNF

L	Material	Carbide	Plastic
1/4"		21BZB005	902018

Ball Point

Optimal for workpieces with deep indentations.

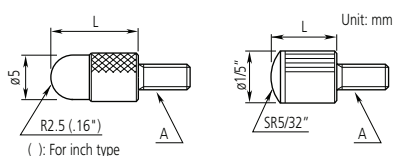


A: M2.5x0.45

ØD	Ød	Order No.
1mm, carbide	5mm	21AAA349
1.5mm, carbide	5mm	21AAA350
1.8mm, steel	5mm	101122
2.5mm, carbide	5mm	21AAA351
4mm, carbide	5mm	21AAA352

Shell Type Point

Contact point with a large radius.
Optimal for use on flat surfaces.



A: M2.5x0.45

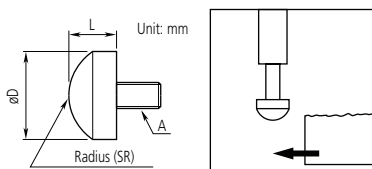
L	Order No.
5	101386
10	101118
15	137393
20	101387
25	101388
30	21AAA254

A: 4-48UNF

L	Order No.
3/32"	193697
5/32"	101184
1/4"	21AAA031
3/8"	21AAA032
1/2"	101185
5/8"	21AAA033
3/4"	101186
7/8"	21AAA034
1"	101187
1 1/4"	21AAA035
1 1/2"	21AAA036
1 3/4"	21AAA037
2"	21AAA038
2 1/4"	21AAA039
2 1/2"	21AAA040
2 3/4"	21AAA041
3"	21AAA042

Spherical Point

A large radius makes this contact point optimal for use where the workpiece needs to slide from the side.



A: M2.5x0.45

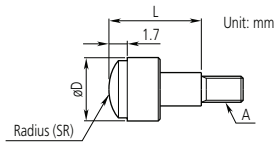
D	L	SR	Order No.
5.5	3	5	111460
7.9	5	5	125258
10	5	7	101119

A: 4-48UNF

D	L	SR	Order No.
1/2"	1/8"	.35"	101205
3/8"	3/32"	.28"	101204

Spherical Point (Carbide)

A large radius makes this contact point optimal for use where the workpiece needs to slide from the side.

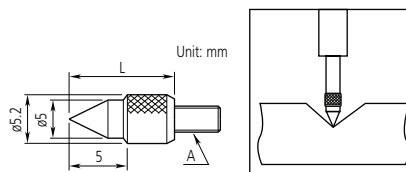


A: M2.5x0.45

D	L	SR	Order No.
5.2	5	5	120058
7.5	10	7	120059
10.5	10	10	120060

Conical Point

Used for positioning the measurement point. Since it can damage a workpiece easily, it is not suitable for use on soft materials.

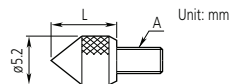


A: M2.5x0.45

Tip angle	L	Order No.
60°	10	101120

A: 4-48UNF

L	A	Order No.
1/2"	.2"	101190



A: M2.5x0.45

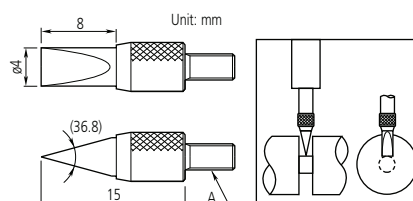
Tip angle	L	Order No.
90°	5	101385

A: 4-48UNF

D	L	Order No.
.2"	1/4"	101191

Knife Edge Point (Carbide)

Suitable for measuring narrow groove diameter, etc.

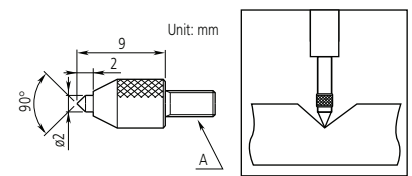


A: M2.5x0.45

Order No.
120067

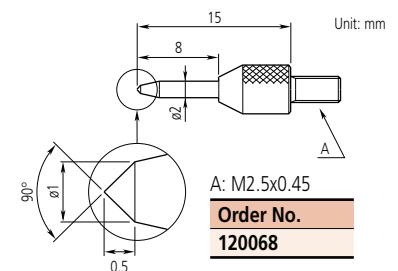
Conical Point (Carbide)

Used for positioning the measurement point. Since it can damage a workpiece easily, it is not suitable for use on soft materials.



A: M2.5x0.45

Order No.
120057

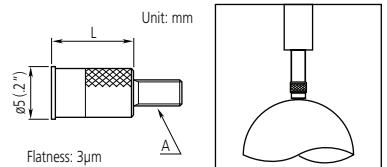


A: M2.5x0.45

Order No.
120068

Flat Point

Optimal for use on convex surfaces.

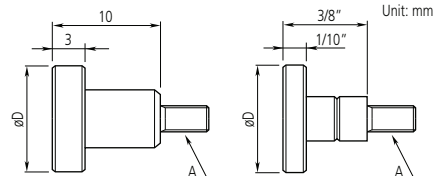


A: M2.5x0.45

L	Order No.
8	131365
10	21AAA340

A: 4-48UNF

L	Order No.
5/16"	133017
1/2"	21AAA043
3/4"	21AAA044
1"	21AAA045

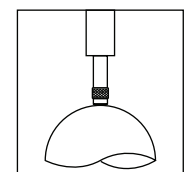


A: M2.5x0.45

D	Order No.
10	10117
15	21AAA341
20	21AAA342
25	21AAA343
30	21AAA344

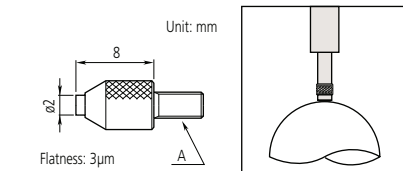
A: 4-48UNF

D	Order No.
1/2"	101188
3/8"	101189



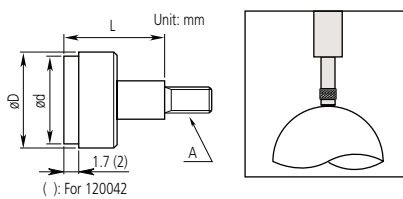
Flat Point (Carbide)

Optimal for use on convex surfaces.



A: M2.5x0.45

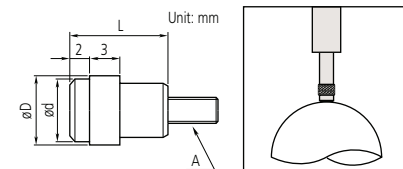
Order No.
120056



A: M2.5x0.45

D	d	L	Order No.
5.2	4.3*	5	120041
7	6.5*	10	120042
10.5	9.5*	10	120043
17	15**	10	21AAA345
22	20**	10	21AAA346
27	25**	10	21AAA347
32	30**	10	21AAA348

Flatness: *3µm, **5µm

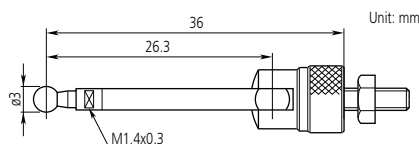


A: M2.5x0.45

D	d	L	Order No.
7	6.4	10	137255
9	8	10	137399

Lever Point

Suitable for use on perpendicular faces, such as those within mold cavities. Lever can be adjusted to the required angle.

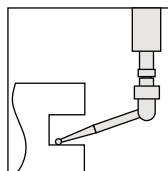


A: M2.5x0.45

Order No.
900391

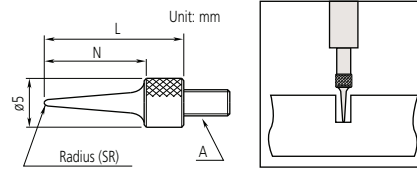
A: 4-48UNF

Order No.
900393



Needle Point

Suitable for probing the bottom of a groove or hole.



A: M2.5x0.45

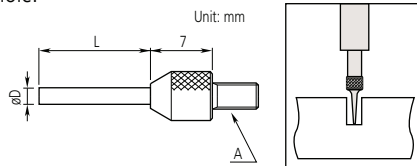
N	L	SR	Order No.
11	15	0.4	101121
13	17	0.2	137413
21	25	0.4	21AAA255
31	35	0.4	21AAA256

A: 4-48UNF

L	SR	Order No.
.6"	.016"	21AAA030
1"	.016"	21AAA046
1 1/2"	.016"	21AAA047
2"	.016"	21AAA048

Needle Point (Carbide)

Suitable for probing the bottom of a groove or hole.

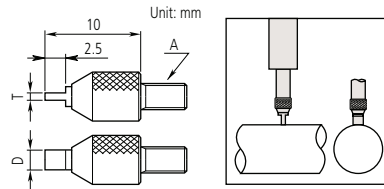


A: M2.5x0.45

D	L	Order No.
0.45	3	120066
0.45	5	21AAA329
1	3	120065
1	5	21AAA330
1	8	21AAA331
1	10	21AAA332
1.5	5	21AAA335
1.5	10	21AAA336
1.5	13	120064
1.5	20	21AAA337
1.5	40	21AAA338
2	8	137257
2	18	21AAA257
2	28	21AAA258
2	40	21AAA339

Blade Point (Carbide)

Suitable for use on convex surfaces, especially those with shallow grooves.

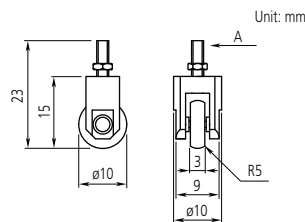


A: M2.5x0.45

T	W	Order No.
0.4	2	120061
0.6	2	120062
1	4	120063

Roller Point

Suitable for use on a moving workpiece surface, or where the workpiece needs to slide from the side.



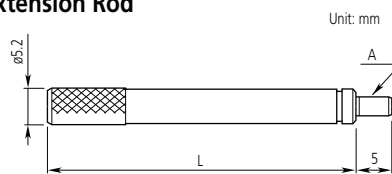
A: M2.5x0.45

Order No.
901954

A: 4-48UNF

Order No.
901991

Extension Rod



A: M2.5x0.45

L	Order No.
10	303611
15	21AAA259A
20	303612
25	21AAA259B
30	303613
35	21AAA259C
40	21AAA259D
45	21AAA259E
50	21AAA259F
55	21AAA259G
60	304146
65	21AAA259H
70	21AAA259J
75	21AAA259L
80	21AAA259M
90	304147
100	303614

A: 4-48UNF

L	Order No.
1/2"	139167
1"	301655
2"	301657
4"	301659

Interchangeable Contact Point Set

This set consists of six types of popular contact point for extending the use of an indicator to many applications.

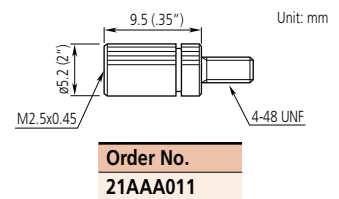


A: M2.5x0.45

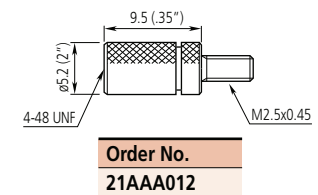
Order No.	Contact points included
7822	Flat Point (131365, ø5mm)
	Flat Point (101117, ø10mm)
	Needle Point (101121)
	Spherical Point (101119)
	Shell Type Point (101118)
	Shell Type Point (101387)

A: 4-48UNF

Order No.	Contact points included
21AZA034	Shell Type Point (101184, 5/32")
	Shell Type Point (101185, 1/2")
	Shell Type Point (101186, 3/4")
	Shell Type Point (101187, 1")
	Flat Point (101188, ø1/2")
	Flat Point (101189, ø3/8")
	Conical Point (101190, 60°)
	Conical Point (101191, 90°)
	Spherical Point (1011204, ø3/8")
	Lever Point (21AAA030, .6")



Order No.
21AAA011



Order No.
21AAA012