

Dial Indicators

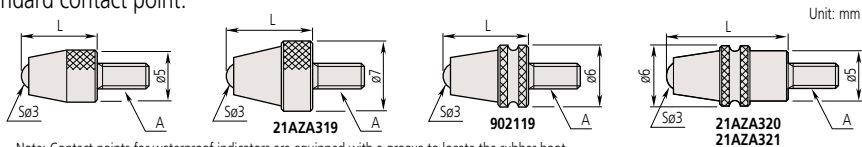
Comparison measuring instruments which ensure high quality, high accuracy and reliability.

Contact Points

Optional Accessory for Digimatic and Dial Indicators and Linear Gages

Ball point

Standard contact point.



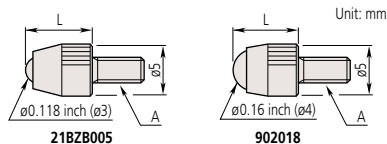
Note: Contact points for waterproof indicators are equipped with a groove to locate the rubber boot.

A: M2.5x0.45

Material L (mm)	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	—

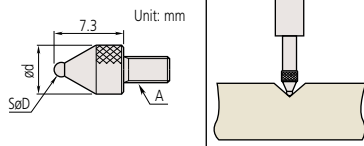
Ball point

Optimal for workpieces with deep indentations.



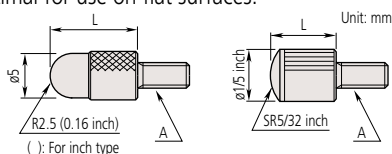
A: 4-48UNF

Material	Carbide	Plastic
L (inch)		
1/4	21BZB005	902018



Shell Type Point

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



A: M2.5x0.45

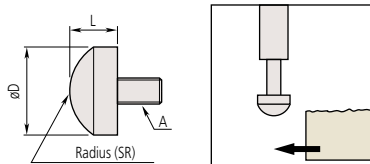
Order No.	L (mm)
101386	5
101118	10
137393	15
101387	20
101388	25
21AAA254	30

A: 4-48UNF

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

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

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

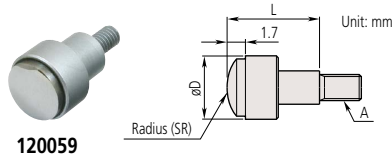
A: 4-48UNF

Order No.	D (in)	L (in)	SR (in)
101205	1/2	1/8	0.35
101204	3/8	3/32	0.28

Contact Points Optional Accessory for Digimatic and Dial Indicators and Linear Gages

Spherical Point (Carbide)

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



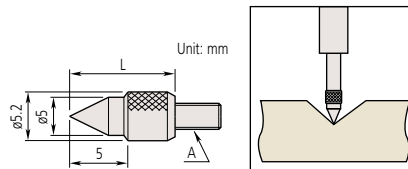
120059

A: M2.5x0.45

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

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

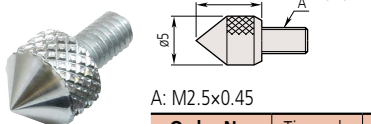
Order No.	Tip angle	L
101120	60°	10



101120

A: 4-48UNF

Order No.	Tip angle	L
101190	60°	1/2 in



101385

A: M2.5x0.45

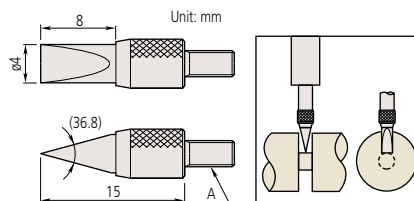
Order No.	Tip angle	L
101385	90°	5

A: 4-48UNF

Order No.	Tip angle	L
101191	90°	1/4 in

Knife Edge Point (Carbide)

Suitable for measuring narrow groove diameter, etc.



A: M2.5x0.45

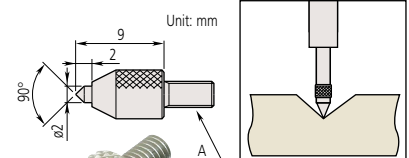
Order No.
120067



120067

Conical Point (Carbide)

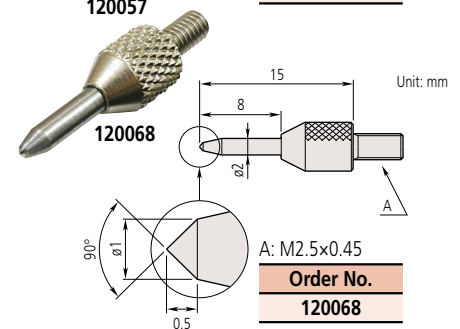
Used for positioning the measurement point. Since it can damage a workpiece easily, it is not suitable for use on soft materials.



120057

A: M2.5x0.45

Order No.
120057



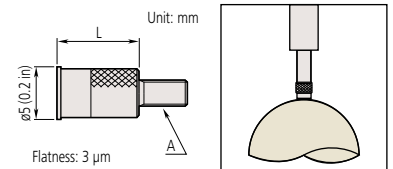
120068

A: M2.5x0.45

Order No.
120068

Flat Point

Optimal for use on convex surfaces.



A: M2.5x0.45

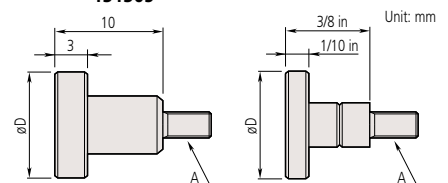
Order No.	L
131365	8
21AAA340	10



131365

A: 4-48UNF

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



A: M2.5x0.45

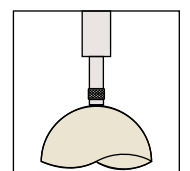
Order No.	D
101117	10
21AAA341	15
21AAA342	20
21AAA343	25
21AAA344	30



101117

A: 4-48UNF

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



Dial Indicators

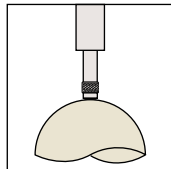
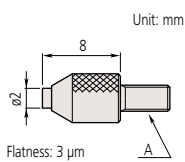
Comparison measuring instruments which ensure high quality, high accuracy and reliability.

Contact Points

Optional Accessory for Digimatic and Dial Indicators and Linear Gages

Flat Point (Carbide)

Optimal for use on convex surfaces.



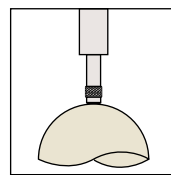
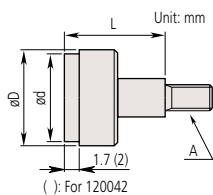
A: M2.5x0.45

Order No.

120056



120056



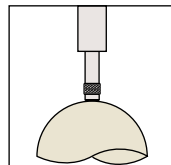
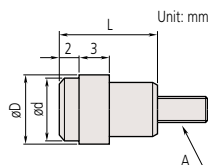
A: M2.5x0.45

Order No.	D	d	L
120041	5.2	4.3*1	5
120042	7	6.5*1	10
120043	10.5	9.5*1	10
21AAA345	17	15*2	10
21AAA346	22	20*2	10
21AAA347	27	25*2	10
21AAA348	32	30*2	10

Flatness: *1: 3 μm, *2: 5 μm



120043



A: M2.5x0.45

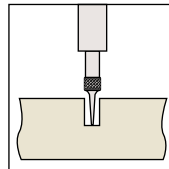
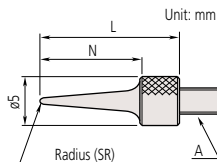
Order No.	D	d	L
137255	7	6.4	10
137399	9	8	10



137255

Needle Point

Suitable for probing the bottom of a groove or hole.



A: M2.5x0.45

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



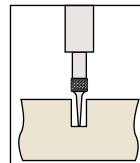
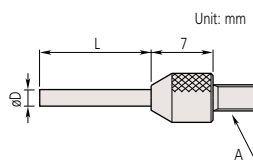
101121

A: 4-48UNF

Order No.	L	SR
21AAA030	0.6 in	0.016 in
21AAA046	1 in	0.016 in
21AAA047	1 1/2 in	0.016 in
21AAA048	2 in	0.016 in

Needle Point (Carbide)

Suitable for probing the bottom of a groove or hole.



A: M2.5x0.45

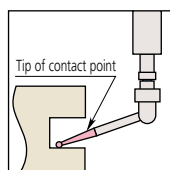
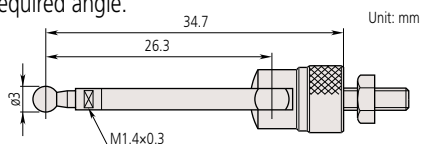
Order No.	D	L
120066	0.45	3
21AAA329	0.45	5
120065	1	3
21AAA330	1	5
21AAA331	1	8
21AAA332	1	10
21AAA333	1	20
21AAA334	1	40
21AAA335	1.5	5
21AAA336	1.5	10
120064	1.5	13
21AAA337	1.5	20
21AAA338	1.5	40
137257	2	8
21AAA257	2	18
21AAA258	2	28
21AAA339	2	40



137257

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



900391

* Perform measurement in the same posture and conditions as for the reference setting so that variation due to lever deflection are reduced. Gently bring the contact point into touch with the workpiece. Use a dial indicator with as small a measuring force as possible.

The tip of contact point is interchangeable.

Interchangeable contact points (optional)

ø1 mm contact point: 102824

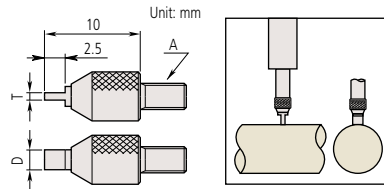
ø2 mm contact point: 102825

ø3 mm contact point: 102826 (provided as standard)

Contact Points Optional Accessory for Digimatic and Dial Indicators and Linear Gages

Blade Point (Carbide)

Suitable for measuring cylinders.



A: M2.5x0.45

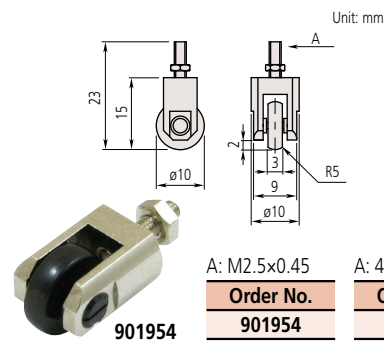
Order No.	T	D
120061	0.4	2
120062	0.6	2
120063	1	4



120062

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

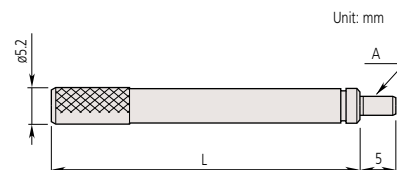
A: 4-48UNF

Order No.
901991

Extension Rod



303613

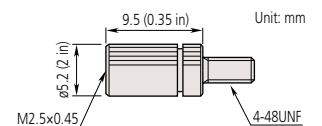


A: M2.5x0.45

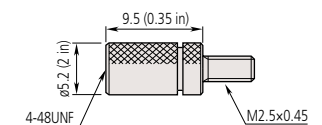
Order No.	L
303611	10
21AAA259A	15
303612	20
21AAA259B	25
303613	30
21AAA259C	35
21AAA259D	40
21AAA259E	45
21AAA259F	50
21AAA259G	55
304146	60
21AAA259H	65
21AAA259J	70
21AAA259L	75
21AAA259M	80
304147	90
303614	100

A: 4-48UNF

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



Order No.
21AAA011



Order No.
21AAA012

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, 5 mm)
	Flat Point (101117, 10 mm)
	Needle Point (101121)
	Spherical Point (101119)
	Shell Type Point (101118)
	Shell Type Point (101387)