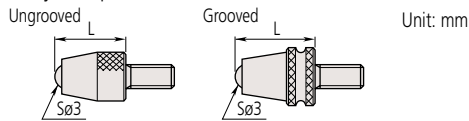


Styli/Extension Rods (interchangeable styli for dial indicators are usable)

- All threaded portions are M2.5x0.45 x 5mm.
- When exchanging a stylus, firmly tighten the screw so it will not loosen during use. (Recommended tightening torque: 5N·cm)
- Carbide styli are resistant to abrasion.

Ball point

Standard styli are provided.

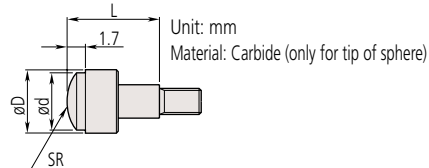


Note: A tip ball of $\phi 0.5$ to 10 is available by special order.

L	Ball material	Carbide		Ruby	Nylon
		Ungrooved	Grooved (Waterproof)	Ungrooved	Ungrooved
7.3	Order No.	901312	—	120047	901994
8.3	Order No.	—	902119	—	—
12.1	Order No.	—	21AA320	—	—
14	Order No.	21AA225	—	—	—
15	Order No.	120049	—	120051	—
17	Order No.	21AA224	—	—	—
19.3	Order No.	—	21AA321	—	—
20	Order No.	137391	—	137392	—
22	Order No.	21AA226	—	—	—
25	Order No.	120053	—	120055	—
30	Order No.	21AA252	—	21AA253	—

Note: If a probe using the flat point stylus requires squareness to the stem and parallelism with the reference plane, these must be adjusted including the cartridge head before use. Please consult Mitutoyo for special orders.

Spherical point (Carbide)



Note: A spherical point with ϕD of up to 40 is available by special order.

L \ D		$\phi 5.2$ ($\phi 4.3 \times 5$)	$\phi 7.5$ ($\phi 6.5 \times 10$)	$\phi 10.5$ ($\phi 9.5 \times 10$)
		SR	5	7
5	Order No.	120058	—	—
10	Order No.	—	120059	120060

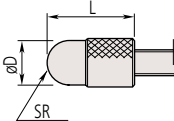
Shell type point

Provided with a large spherical point. This stylus is convenient for plane measurement.

Note: A shell type point with ϕD of 0.5 to 40, SR of 0.2 or more and L of up to 100 is available by special order.

ϕD	SR	L	Order No.
5	2.5	5	101386
		10	101118
		12	137393
		20	101387
		25	101388
		30	21AA254

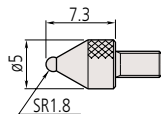
Unit: mm
Material: Hardened steel



Ball point

Convenient for measuring an indentation.

ϕD	ϕd	Order No.
1	5	21AA349
1.5		21AA350
1.8		101122
2.5		21AA351
4		21AA352



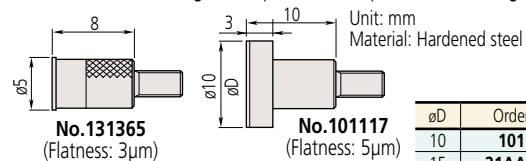
Unit: mm
Material: Hardened steel

No. 101122

* A tip ball of $\phi 0.5$ to 10 is available by special order.

Flat point

Convenient for measuring a workpiece with a spherical measuring surface.



No. 131365
(Flatness: 3μm)

L	Order No.
8	13165
10	21AA340

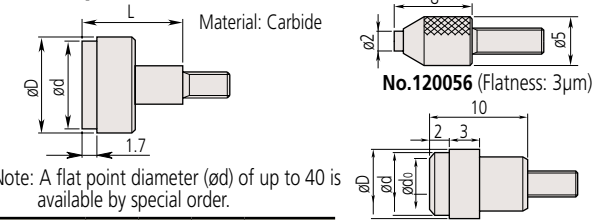
No. 101117
(Flatness: 5μm)

ϕD	Order No.
10	101117
15	21AA341
20	21AA342
25	21AA343
30	21AA344

Note: A flat point diameter (ϕD) of up to 50 is available by special order.

Note: If a probe using the flat point stylus requires squareness to the stem and parallelism with the reference plane, these must be adjusted including the cartridge head before use. Please consult Mitutoyo for special orders.

Flat point (Carbide)



No. 120056 (Flatness: 3μm)

Note: A flat point diameter (ϕD) of up to 40 is available by special order.

Order No.	d	D	L	Flatness(μm)
120041	4.3	5.2	5	3
120042	6.5	7	—	
120043	9.5	10.5	—	
21AA345	15	17	10	5
21AA346	20	22	—	
21AA347	25	27	—	
21AA348	30	32	—	

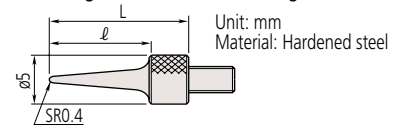
ϕD	$\phi 3$	$\phi 4.5$
d	$\phi 6.4$	$\phi 8$
D	$\phi 7$	$\phi 9$
Order No.	137255	137399

(Flatness: 3μm)

Note: If a probe using the flat point stylus requires squareness to the stem and parallelism with the reference plane, these must be adjusted including the cartridge head before use. Please consult Mitutoyo for special orders.

Needle point

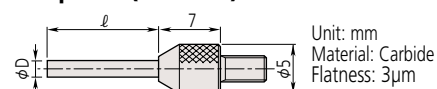
Convenient for measuring the bottom face of a groove or hole.



Note: A needle point with SR of 0.2 and L of up to 20 is available by special order.

Order No.	L	L
101121	11	15
137413	13	17
21AA255	21	25
21AA256	31	35

Needle point (Carbide)



D	3	5	8	10	13	18	20	28	40
$\phi 0.45$	Order No.	120066	21AA329	—	—	—	—	—	—
$\phi 1$	Order No.	120065	21AA330	21AA331	21AA332	—	21AA333	—	21AA334
$\phi 1.5$	Order No.	—	21AA335	—	21AA336	120064	21AA337	—	21AA338
$\phi 2$	Order No.	—	—	137257	—	—	21AA257	21AA258	21AA339

Note: Consult Mitutoyo for the specifications of products shown in the table above.

Note: If a probe using the flat point stylus requires squareness to the stem and parallelism with the reference plane, these must be adjusted including the cartridge head before use. Please consult Mitutoyo for special orders.