

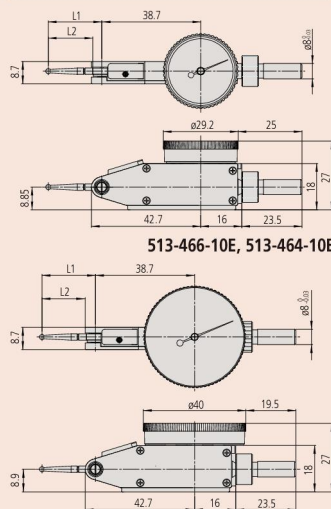
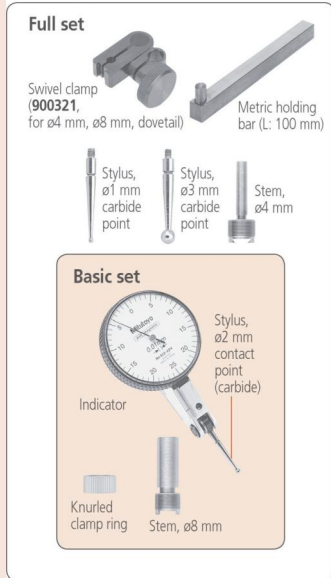
Lever Indicators Horizontal Type - 0,01 mm

Functions	Series 513
Compact type	
Long stylus	

Optional accessories

No.	Description
21AAB363	Limit Hands (Green) 2 pcs., Dial Indicator Series 1, Test Indicator

Set Configuration: Metric



513-404-10E, 513-404-10T, 513-414-10E, 513-414-10T, 513-415-10E, 513-415-10T, 513-424-10E, 513-424-10T, 513-426-10E, 513-474-10E, 513-477-10E, 513-478-10E

Series 513

This is a Dial Test Indicator (Lever Type) which offers you the following benefits:

- Drastically enhanced durability, sensitivity and visibility.
- Glare-free flat crystal face allows easy reading of graduations.
- O-ring seal on the bezel has the effect of providing smooth rotation and prevents dust and oil from penetrating through to the dial face.
- The stylus length is on the dial face to reorder a replacement
- Multi-layer coatings on the crystal.



513-466-10E



513-424-10E



513-414-10E



513-464-10E



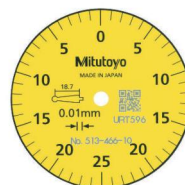
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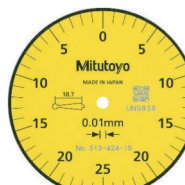
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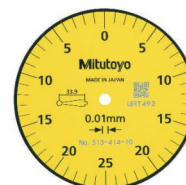
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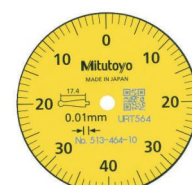
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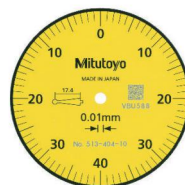
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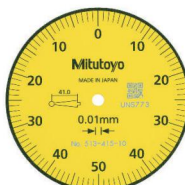
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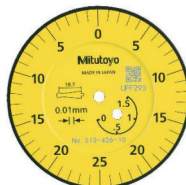
513-464-10E



513-404-10E



513-415-10E



513-426-10E

Lever Indicators Horizontal Type - 0,01 mm

Metric Basic set

No.	Range [mm]	Graduation [mm]	Scale	MPE any 1/2 revolution [μm]	MPE any 1 revolution [μm]	H MPE (Hysteresis) [μm]	R MPE (Repeatability) [μm]	Carbide stylus tip ø2 mm No.	Measuring force [N]
513-466-10E	0,5	0,01	0-25-0			3	3	137557	0,01-0,3
513-424-10E	0,5	0,01	0-25-0			3	3	137557	0,01-0,3
513-414-10E	0,5	0,01	0-25-0			4	3	131324	0,01-0,2
513-464-10E	0,8	0,01	0-40-0	6		3	3	103006	0,01-0,3
513-404-10E	0,8	0,01	0-40-0	6		3	3	103006	0,01-0,3
513-415-10E	1	0,01	0-50-0	8		4	3	136013	0,01-0,2
513-426-10E	1,5	0,01	0-25-0		10	4	3	137557	0,01-0,4

No.	Mass [g]	D Ø [mm]	L1 [mm]	L2 [mm]
513-466-10E	41	29,2	22,2	18,7
513-424-10E	45	40	22,2	18,7
513-414-10E	45	40	37,4	33,9
513-464-10E	41	29,2	20,9	17,4
513-404-10E	45	40	20,9	17,4
513-415-10E	45	40	44,5	41
513-426-10E	45	40	22,2	18,7

Metric Basic set - Ruby contact point

No.	Range [mm]	Graduation [mm]	Scale	MPE any 1/2 revolution [μm]	H MPE (Hysteresis) [μm]	R MPE (Repeatability) [μm]	Ruby stylus tip ø2 mm No.	Measuring force [N]	Mass [g]
513-478-10E	0,5	0,01	0-25-0		3	3	21CZA210	0,01-0,3	45
513-474-10E	0,8	0,01	0-40-0	6	3	3	21CZA201	0,01-0,3	45
513-477-10E	1	0,01	0-50-0	8	4	3	21CZA212	0,01-0,3	45

No.	D Ø [mm]	L1 [mm]	L2 [mm]
513-478-10E	40	22,2	18,7
513-474-10E	40	20,9	17,4
513-477-10E	40	44,5	41

Metric Full set

No.	Range [mm]	Graduation [mm]	Scale	MPE any 1/2 revolution [μm]	H MPE (Hysteresis) [μm]	R MPE (Repeatability) [μm]	Carbide stylus tip ø2 mm No.	Measuring force [N]	Mass [g]
513-424-10T	0,5	0,01	0-25-0		3	3	137557	0,01-0,3	45
513-414-10T	0,5	0,01	0-25-0		4	3	131324	0,01-0,2	45
513-404-10T	0,8	0,01	0-40-0	6	3	3	103006	0,01-0,3	45
513-415-10T	1	0,01	0-50-0	8	4	3	136013	0,01-0,2	45

No.	D Ø [mm]	L1 [mm]	L2 [mm]
513-424-10T	40	22,2	18,7
513-414-10T	40	37,4	33,9
513-404-10T	40	20,9	17,4
513-415-10T	40	44,5	41