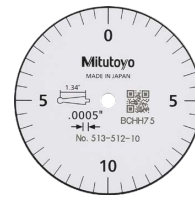


Graduation: 0.001 in
Range: 0.04 in

**513-518-10E /
513-518-10T**

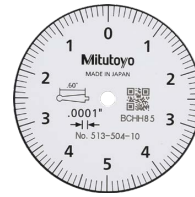
- Compact
- Carbide contact point



Graduation: 0.0005 in
Range: 0.02 in

**513-512-10E /
513-512-10T**

- Long contact point
- Double scale spacing
- Compact
- Carbide contact point



Graduation: 0.0001 in
Range: 0.01 in

**513-504-10E /
513-504-10T**

- Compact
- Carbide contact point

SPECIFICATIONS

Metric

Code No.		Graduation (mm)	Range (mm)	Dial reading	Maximum permissible error (MPE)* (μm)				Mass (g)	Measuring force (N)	High accuracy	With revolution counter	Long contact point	Standard	Double scale spacing	Compact	Carbide contact point	Ruby contact point
Basic set	Full set				Measuring range	One rev.	10 scale divisions	Hysteresis										
513-517-10E	513-517-10T	0.01	0.8	0-40-0	9	-	5	4	3	50	0.3 or less							
513-514-10E	513-514-10T	0.01	0.5	0-25-0	10	-	5	5	3	51	0.3 or less							
513-515-10E	513-515-10T	0.01	1	0-50-0	10	-	5	5	3	51	0.3 or less							
513-503-10E	513-503-10T	0.002	0.2	0-100-0	4	-	2	3	1	50	0.4 or less							
513-501-10E	513-501-10T	0.001	0.14	0-70-0	4	-	2	3	1	50	0.5 or less							

Inch

Code No.		Graduation (in)	Range (in)	Dial reading	Maximum permissible error (MPE)* (in)				Mass (g)	Measuring force (N)	High accuracy	With revolution counter	Long contact point	Standard	Double scale spacing	Compact	Carbide contact point	Ruby contact point
Basic set	Full set				One rev.	First 2.5 rev.	Hysteresis	Repeatability										
513-518-10E	513-518-10T	0.001	0.04	0-20-0	±0.001	-	0.0002	±0.0004	50	0.3 or less								
513-512-10E	513-512-10T	0.0005	0.02	0-10-0	±0.0005	-	0.0002	±0.0002	51	0.3 or less								
513-504-10E	513-504-10T	0.0001	0.01	0-5-0	±0.0002	-	0.0001	±0.00004	50	0.3 or less								

* We guarantee the accuracy of completed products by inspecting them with the dial face facing upward.

Note 1: Be sure to perform calibration with reference gage, etc. after exchanging the contact point. The inside parts may be damaged when the contact point is exchanged due to the breakage. In the case the of the significant deterioration in the operation, repair is required.

Note 2: Stem is not included in the mass.

Note 3: **513-5XX-10** is indicated on the dial face and the inspection certificate.

The code No. with suffix (E/T) is a set item which includes accessories. The main unit is not available as a standalone item.