



DIMENSIONS

Standard			
Unit: mm			
			17.6
8.7			Ø38.3
L1	38.7	Ø40	
L2			
			18
8.9	42.7	16	24.1
Code No.	L1	L2	L3
513-401-10E	14.7	11.2	27
513-471-10E			
513-405-10E/A/T	18.7	15.2	28
513-475-10E			
513-425-10E/A	20.9	17.4	27
513-404-10E/A/T			
513-474-10E	22.2	18.7	28
513-424-10E/A/T			
513-426-10E/A	37.4	33.9	27
513-414-10E/A/T			
513-415-10E/A/T	44.5	41.0	
513-477-10E			
Compact			
			17.6
8.7	38.7	Ø29.2	
			18
8.9	42.7	16	24.1
Type	Code No.	L1	L2
Compact	513-465-10E	18.7	15.2
	513-464-10E	20.9	17.4
	513-466-10E	22.2	18.7

Note: A slight difference may occur depending on the center of the contact point, graduation plate, and stem fixing position, etc.

Special Set: 513-908-10E (Metric)

513-404-10E: Dial test indicator
7014-10: Mini magnetic stand

513-907-10E (inch)

513-402-10E: Dial test indicator
7014E-10: Mini magnetic stand

Dial Test Indicator
SERIES 513 — Standard Type

513-404-10E
Contact point No. 103006



Graduation: 0.01 mm
Range: 0.8 mm



Graduation: 0.01 mm
Range: 0.5 mm



513-415-10E
Contact point No. 136013



Graduation: 0.01 mm
Range: 0.5 mm



Graduation: 0.01 mm
Range: 1.0 mm



513-465-10E
Contact point No. 103011



Graduation: 0.002 mm
Range: 0.2 mm



Graduation: 0.002 mm
Range: 0.6 mm



513-402-10E
Contact point No. 133195



Graduation: 0.0002 mm
Range: 0.2 mm



Graduation: 0.001 mm
Range: 0.14 mm

Note: 513-4XX-10 is indicated on the dial face and the inspection certificate.
The code No. with suffix (E/T/A) is a set item which includes accessories. The main unit is not available as a standalone item.

Dial Test Indicators

Dial Test Indicator SERIES 513 — Standard Type

SPECIFICATIONS

Metric

Code No.			Graduation (mm)	Range (mm)	Dial reading	Maximum permissible error (MPE)* ¹ (μm)				Mass (g)	Measuring force (N)	High accuracy					
Basic set	Plus set	Full set				Measuring range	One rev.	10 scale divisions	Hysteresis			With revolution counter	Long contact point	Double scale spacing	Compact		
513-424-10E	513-424-10A	513-424-10T	0.01	0.5	0-25-0	6	-	5	4	45	0.3 or less	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
513-478-10E	—	—				10					41	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
513-466-10E	—	—				1.5		16	10	5	45	0.2 or less	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
513-414-10E	513-414-10A	513-414-10T				0.8	0-40-0	9	4		45	0.4 or less	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
513-426-10E	513-426-10A	513-426-10T				1.0		10			41	0.3 or less	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
513-404-10E	513-404-10A	513-404-10T				0.8	0-50-0	9	5	45	0.2 or less	<input checked="" type="checkbox"/>					
513-474-10E	—	—				1.0		10			41	0.3 or less	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
513-464-10E	—	—				1.0		10			45	0.2 or less	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
513-415-10E	513-415-10A	513-415-10T	0.002	0.2	0-100-0	4	-	3	4	41	0.3 or less	<input checked="" type="checkbox"/>					
513-477-10E	—	—				0.6		7	5		45	0.4 or less	<input checked="" type="checkbox"/>				
513-405-10E	513-405-10A	513-405-10T				0.001	0-70-0	4	-	3	45	0.3 or less	<input checked="" type="checkbox"/>				
513-475-10E	—	—				0.001		0.14			41	0.2 or less	<input checked="" type="checkbox"/>				
513-425-10E	513-425-10A	513-425-10T				0.001		0.14			45	0.3 or less	<input checked="" type="checkbox"/>				
513-401-10E	—	—				0.001		0.14			45	0.2 or less	<input checked="" type="checkbox"/>				
513-471-10E	—	—				0.001		0.14			45	0.3 or less	<input checked="" type="checkbox"/>				
513-908-10E ²	—	—	0.01	0.8	0-40-0	9	-	5	4	3	45	0.2 or less	<input checked="" type="checkbox"/>				

Inch

Code No.			Graduation (in)	Range (in)	Dial reading	Maximum permissible error (MPE)* ¹ (in)				Mass (g)	Measuring force (N)	High accuracy				
Basic set	Plus set	Full set				One rev.	Hysteresis	Repeatability	With revolution counter			Long contact point	Double scale spacing	Compact	Carbide contact point	
513-402-10E	—	513-402-10T	0.0005	0.03	0-15-0	±0.0005	0.0002	±0.0002	45	0.3 or less	<input checked="" type="checkbox"/>					
513-472-10E	—	—								41	0.2 or less	<input checked="" type="checkbox"/>				
513-412-10E	—	513-412-10T								41	0.3 or less	<input checked="" type="checkbox"/>				
513-479-10E	—	—								45	0.2 or less	<input checked="" type="checkbox"/>				
513-462-10E	—	—								41	0.3 or less	<input checked="" type="checkbox"/>				
513-407-10E	—	513-407-10T		0.0005	0.008	0-4-0	±0.0001	0.0001	±0.00004	45	0.3 or less	<input checked="" type="checkbox"/>				
513-403-10E	—	513-403-10T								41	0.3 or less	<input checked="" type="checkbox"/>				
513-473-10E	—	—								45	0.3 or less	<input checked="" type="checkbox"/>				
513-463-10E	—	—								41	0.3 or less	<input checked="" type="checkbox"/>				
513-907-10E ²	—	—	0.0005	0.03	0-15-0	±0.0005	0.0002	±0.0002	45	0.3 or less	<input checked="" type="checkbox"/>					

Metric/Inch

Code No.			Graduation	Range	Dial reading	Maximum permissible error (MPE)* ¹ (μm)				Mass (g)	Measuring force (N)	High accuracy			
Basic set	Plus set	Full set				Measuring range	10 scale divisions	Hysteresis	Repeatability			With revolution counter	Long contact point	Double scale spacing	Compact
513-409-10E	—	513-409-10T	0.002 mm /0.0001 in	0.2 mm /0.0076 in	0-10-0 /0-38-0	4	2	3	1	45	0.3 or less	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Inch/Metric

Code No.			Graduation	Range	Dial reading	Maximum permissible error (MPE)* ¹ (in)				Mass (g)	Measuring force (N)	High accuracy			
Basic set	Plus set	Full set				One rev.	Hysteresis	Repeatability	With revolution counter			Long contact point	Double scale spacing	Compact	Carbide contact point
513-406-10E	—	513-406-10T	0.0005 in /0.01 mm	0.03 in /0.7 mm	0-15-0 /0-35-0	±0.0005	0.0002	±0.0002	45	0.3 or less	<input checked="" type="checkbox"/>				

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

*2 A set consisting of 513-404-10E and 7014-10.

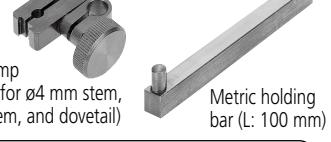
*3 A set consisting of 513-402-10E and 7014E-10.

Note: Stem with dovetail groove is not included in the mass.

Set Configuration: Metric and Metric/Inch

Full set

513-4XX-10T



Plus set

513-4XX-10A

