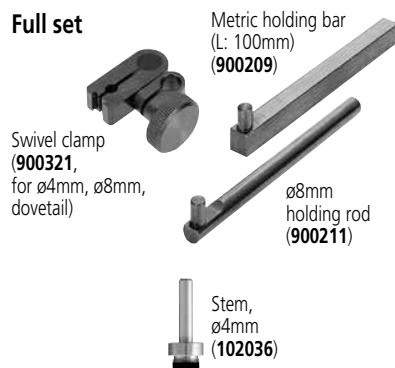
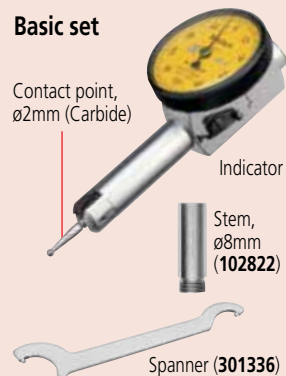


Set Configuration: Metric

Full set

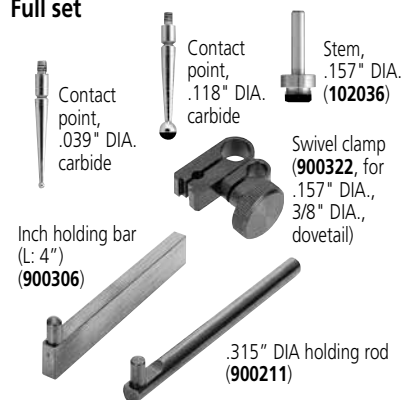


Basic set

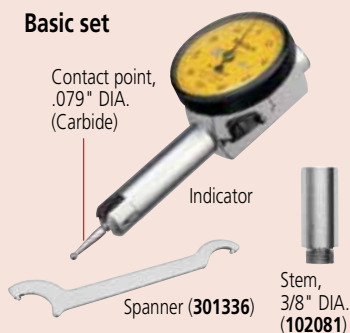


Set Configuration: Inch

Full set



Basic set



Long contact point type



Jeweled bearing type



Compact type

SPECIFICATIONS

Metric

Graduation	Order No.		Range	Accuracy	Dial reading	Measuring force	L (mm)			
	Basic set	Full set								
0.01mm	513-514E	513-514T	0.5mm	10 μm	0-25-0	0.3N or less	36.8	✓	✓	—
0.01mm	513-517E	513-517T	0.8mm	8 μm	0-40-0	0.3N or less	20.9	—	✓	—
0.01mm	513-527E	513-527T	0.8mm	8 μm	0-40-0	0.3N or less	14.7	—	✓	✓
0.01mm	—	513-515T	1mm	10 μm	0-50-0	0.3N or less	44.5	✓	✓	—
0.002mm	513-503E	513-503T	0.2mm	3 μm	0-100-0	0.3N or less	14.7	—	✓	—
0.001mm	513-501E	513-501T	0.14mm	3 μm	0-70-0	0.4N or less	12	—	✓	—

Inch

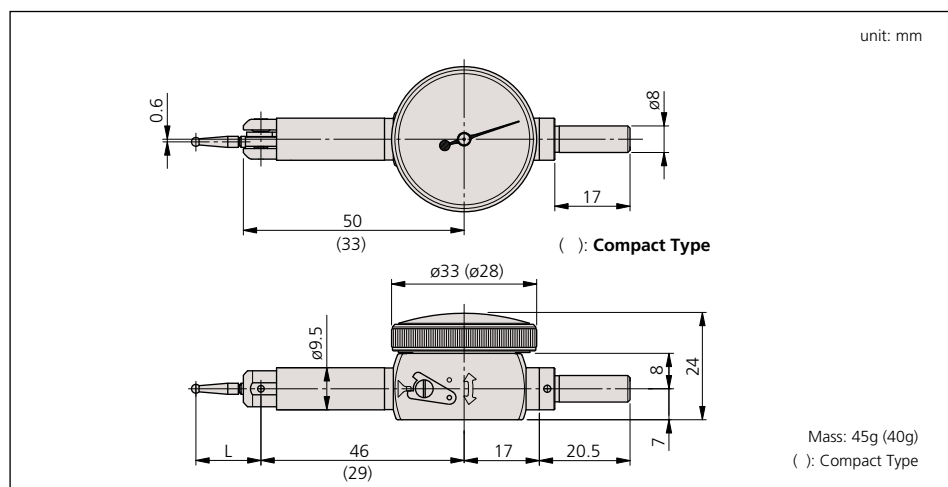
Graduation	Order No.		Range	Accuracy	Dial reading	Measuring force	L (mm)			
	Basic set	Full set								
.001"	513-518	513-518T	.04"	$\pm .001$ "	0-20-0	0.3N or less	26.5	—	✓	—
.001"	513-528	513-528T	.04"	$\pm .001$ "	0-20-0	0.3N or less	18.7	—	✓	✓
.0005"	513-512	513-512T	.02"	$\pm .0005$ "	0-10-0	0.3N or less	37.4	✓	✓	—
.0001"	513-504	513-504T	.01"	$\pm .0002$ "	0-5-0	0.3N or less	18.7	—	✓	—

Optional Contact Points

Pocket Type

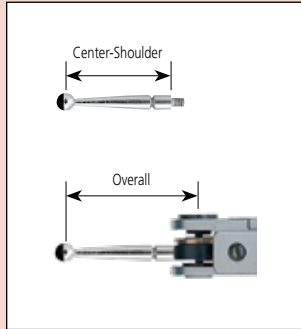
Order No.	1mm	2mm	3mm	0.5mm	0.7mm
513-501E	136756	136104	136758	—	—
513-503E	513-527E	103017	103010	103018	190547
513-504	513-528	131314	103011	131315	—
513-512	—	131316	131324	131317	—
513-514E	—	137746	129949	137747	—
513-515T	—	136235	136013	136236	190656
513-517E	—	103013	103006	103014	190549
513-518	—	103008	103007	103009	—

DIMENSIONS AND MASS



Contact Points and Clamp Holders

Optional Accessories for Dial Test Indicator



Inch		Part No.						Test Indicator Code No.		
Center-Shoulder	Overall	ø0.5	ø0.7	ø1	ø2	ø3	Ruby ø2mm			
11.5	15.0	—	—	136076	136075	136077	21CZA213	513-403-10E 513-453-10E	513-443-10A 513-463-10E	513-473-10E ¹ 513-443-16A
16.4	19.9	—	—	133196	133195	133197	21CZA204	513-401-10E 513-406-10E 513-452-10E	513-442-10A 513-462-10E	513-472-10E ¹ 513-442-16A 513-482-10A
30.4	33.9	—	—	136291	136290	136292	21CZA214	513-412-10E 513-446-16A	513-446-10A	
15.2	18.7	—	—	131314	103011	131315	—	513-504 ¹	513-528 ¹	
23.0	26.5	—	—	103008	103007	103009	—	513-518 ¹		
33.9	37.4	—	—	131316	131324	131317	—	513-512 ¹		

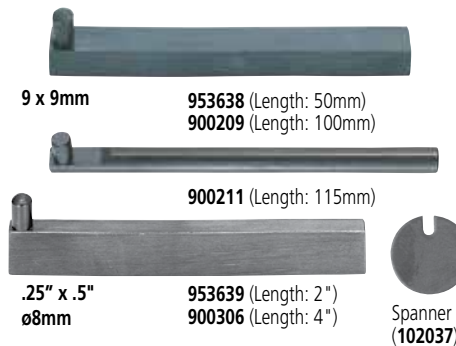
Metric		Part No.						Test Indicator Code No.		
Length (mm)										
9.4	12.9	—	—	21CZA044	21CZA036	21CZA045	21CZA212	513-401-10E 513-405-10E 513-503E 513-527E	513-471-10E 513-425-10E 513-455-10E 513-455-10E	
11.2	14.7	190547	190548	103017	103010	103018	21CZA209	513-404-10E 513-464-10E 513-484-10E	513-444-10E 513-517E ¹	513-445-10E 513-474-10E ¹
17.4	20.9	190549	190550	103013	103006	103014	21CZA201	513-424-10E 513-478-10H ³	513-426-10E	513-466-10E
18.7	22.2	190654	190653	137558	137557	137559	21CZA210	513-415-10E	513-515T ¹	
41.0	44.5	190656	190655	136235	136013	136236	21CZA211	513-414-10E	513-514E ¹	
33.3	36.8	—	—	137746	129949	137747	—	513-501E ¹		
8.6	12.0	—	—	136756	136104	136758	—	513-304GE ²	513-302G ²	
6.5	24.0	—	—	102824	102825	102826	—			

*1 Denotes Pocket Indicators

*2 Denotes Universal Indicator

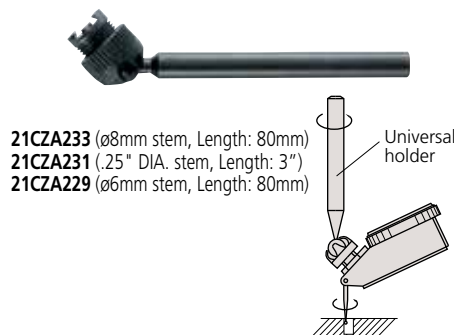
*3 Indicator Ships with Ruby Contact

Holding Bars (with 6mm mounting pin)



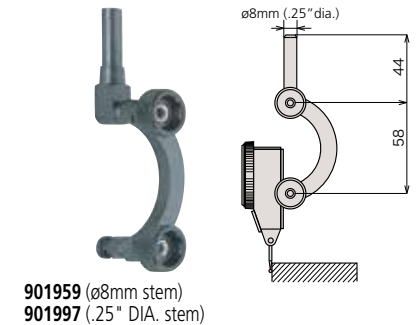
Universal Holder

- Allows the indicator to be set at a desired position.



Centering Holder

- Allows large diameter cylinders or holes to be centered.



Universal Holder (pocket type)

- Since the Dial Test Indicator can be swiveled to a desired angle, the holder is useful for centering workpieces and installing workpieces on a milling machine.

