

Setting Rings SERIES 177 — Accessories for Inside Micrometers, Holtest and Dial Bore Gages

- Used for quick and accurate setting of dial bore gages, Holtest, and inside micrometers.
- Actual diameter is marked in 10 pinch / 0.001 mm increments. (Measuring position of dimension is the center of the height T).
- These Setting Rings are designed for reference setting of ID type gages. These follow Mitutoyo factory standards but do not follow the ASME B89.1.5 classification system. (i.e. do not follow Class XX, X, etc.).

Steel Setting Rings



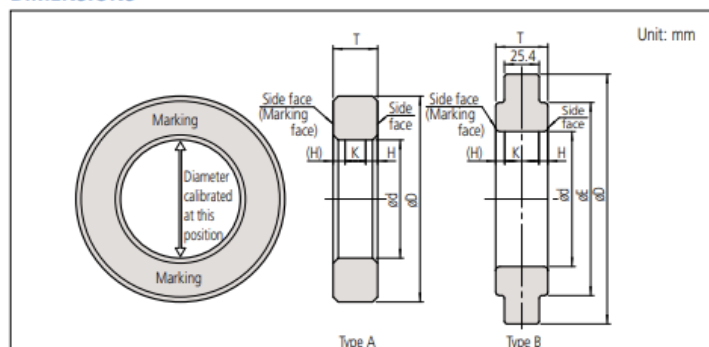
177-300

CERA Setting Rings



177-432

DIMENSIONS



Made-to-order

- Custom-made setting rings
Mitutoyo can manufacture settings rings to the size and design you need.
- Nominal size range
1 mm to 305 mm/0.1 in to 12 in (steel)
4 mm to 50 mm/0.16 in to 2 in (ceramic)
- Nominal size increment
0.01 mm (up to 45 mm)
0.02 mm (over 45 mm)
0.0001 in (inch)

SPECIFICATIONS

Steel Setting Rings

Order No.	Nominal size ϕD (in)	Dimensions (mm)			Type	Accuracy				
		ϕD	ϕE	T		Max variation between nominal and actual marked diameter (in)	Uncertainty of marked diameter value*1 (in)	Roundness/Cylindricity*2 (in)	Distance from the side face H (mm)	Size of warranted calibration surface K (mm)
177-209	0.1	25	—	7	A	± 0.0004	0.00006	0.00004	1.7	3.6
177-206	0.16	25	—	7	A				2.0	3.0
177-207	0.24	25	—	7	A					6.0
177-281	0.275	25	—	7	A				3.2	8.6
177-179	0.35	32	—	10	A					7.6
177-283	0.425	32	—	10	A				3.7	12.6
177-180	0.5	32	—	10	A					11.6
177-181	0.6	38	—	10	A				4.2	16.6
177-182	0.65	45	—	10	A					27.5
177-183	0.7	45	—	10	A				± 0.0008	0.00010
177-287	0.8	45	—	10	A					
177-184	1	53	—	15	A					
177-289	1.2	71	—	15	A					
177-185	1.4	71	—	15	A					
177-291	1.6	71	—	15	A					
177-186	1.8	85	—	15	A					
177-187	2	85	—	20	A					
177-293	2.4	112	—	20	A					
177-315	2.5	112	—	20	A					
177-188	2.8	112	—	20	A					
177-317	3	125	—	25	A					
177-295	3.2	125	—	25	A					
177-319	3.5	140	—	25	A					
177-189	3.6	140	—	25	A					
177-297	4	160	—	25	A					
177-299	5	210	168	38.1	B					
177-301	6	235	187	38.1	B					
177-303	7	260	215	38.1	B					
177-305	8	311	244	38.1	B					
177-307	9	337	264	38.1	B					
177-309	10	362	290	38.1	B					
177-311	11	413	321	38.1	B					
177-313	12	438	340	38.1	B					

*1 Actual diameter is marked in 10 pinch increments. (Dimension measuring position is the center of the height T.)

*2 Cylindricity is defined as per JIS B 0621 Definitions and designations of geometrical deviations, Section 4.4 "Cylindricity." Cylindricity is measured using three cross-sections between the top and bottom face of a ring, namely, close to the face near each side and the center.