

MERCER Precision Dial Gauges Ø 40 mm – TOP Quality Series 180



Inch Versions - 0.001 in, 0.0005 in or 0.0001 in Reading



Regular models

14.26001	181-1TQ	0.001	0.200	0.212	with	0.05	0 ÷ 25 ÷ 0	≤ 1,4
14.26002	182-1TQ	0.001	0.200	0.212	with	0.05	0 ÷ 25 ÷ 50	≤ 1,4
14.26003	183-1TQ	0.0005	0.200	0.212	with	0.02	0 ÷ 10 ÷ 0	≤ 1,4
14.26004	184-1TQ	0.0005	0.200	0.212	with	0.02	0 ÷ 10 ÷ 20	≤ 1,4
14.26005	193-1TQ	0.0001	0.120	0.130	with	0.01	0 ÷ 50 ÷ 0	≤ 1,7
14.26006	194-1TQ	0.0001	0.120	0.130	with	0.01	0 ÷ 50 ÷ 100	≤ 1,7

Metric Versions - 0,01 mm, 0,002 mm or 0,001 mm Reading



Regular models

14.16005	185-1TQ	0,01	5	5,4	with	0,5	0 ÷ 25 ÷ 0	≤ 1,4
14.16006	186-1TQ	0,01	5	5,4	with	0,5	0 ÷ 25 ÷ 50	≤ 1,4
14.16007	195-1TQ	0,002	3	3,3	with	0,2	0 ÷ 10 ÷ 0	≤ 1,4
14.16008	196-1TQ	0,002	3	3,3	with	0,2	0 ÷ 10 ÷ 20	≤ 1,4
14.16009		0,001	1	1,5	with	0,1	0 ÷ 50 ÷ 0	≤ 1,7
14.16010		0,001	1	1,5	with	0,1	0 ÷ 50 ÷ 100	≤ 1,7

Accuracy

	0.0005 in 0,01 mm	≥ 0.0005 in ≥ 0,01 mm	0.0005 in 0,01 mm	0.0005 in 0,01 mm	0.002 mm	0.0001 in 0,002 mm	0.0001 in 0,002 mm	0.001 mm	0,001 mm	
	0.040 in 1 mm	0.200 in 5 mm	0.400 in 10 mm	1 ÷ 2 in 30 ÷ 50 mm	0,16 mm	0.120 in 3 mm	0.200 in 5 mm	0,08 mm	1 mm	
	Deviation span	7 µm	12 µm	15 µm	20 µm	2 µm	10 µm	12 µm	1,5 µm	4,5 µm
	Total deviation span	9 µm	14 µm	17 µm	25 µm	3 µm	12 µm	14 µm	2 µm	5 µm
	Repeatability limit	3 µm	3 µm	3 µm	3 µm	1 µm	1,5 µm	1,5 µm	0,5 µm	0,5 µm
	Max. hysteresis	3 µm	3 µm	3 µm	3 µm	1 µm	1,5 µm	1,5 µm	0,5 µm	0,5 µm



DIN 878 and factory standard

See in the table opposite

Scale divisions
 0.001 in and 0,01 mm:
 2,2 mm
 0.0005 in: 3,1 mm
 0.0001 in, 0,002 mm and
 0,001 mm: 1,1 mm

Rotating dial. Can be locked.

Full-metal case housing

Fixing shank and plunger in hardened stainless steel

With shockproof system

Adjustable tolerance markers

M2,5 Thread for the measuring insert

For sizes, see page E-32

See in the tables opposite

Mounted insert with a 3 mm dia. steel ball tip

Cardboard box

Identification number

Declaration of conformity

