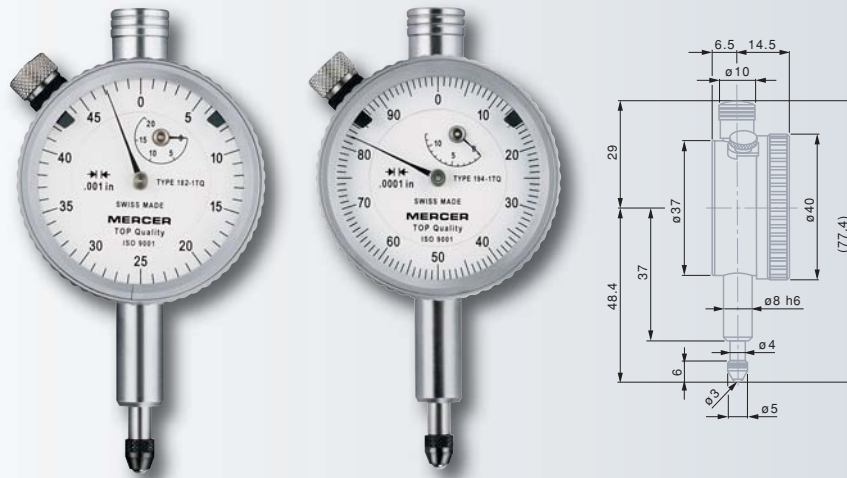


MERCER Precision Dial Gauges – TOP Quality

Series 180, 40 mm dial diameter, inch reading



Models to 0.001, 0.0005 and 0.0001 in

TOP Quality line, with dial lock	0.001 in	0.0005 in	0.0001 in	0.001 in	0.0005 in	0.0001 in	0.05 in	0.02 in	0.01 in
01426001 181-1TQ	0.001	0.0005	0.0001	0.200	0.212	0.212	●	0.05	0 ÷ 25 ÷ 0
01426002 182-1TQ	0.001	0.0005	0.0001	0.200	0.212	0.212	●	0.05	0 ÷ 25 ÷ 50
01426003 183-1TQ	0.0005	0.0005	0.0001	0.200	0.212	0.212	●	0.02	0 ÷ 10 ÷ 0
01426004 184-1TQ	0.0005	0.0005	0.0001	0.200	0.212	0.212	●	0.02	0 ÷ 10 ÷ 20
01426005 193-1TQ	0.0001	0.0005	0.0001	0.120	0.130	0.130	●	0.01	0 ÷ 50 ÷ 0
01426006 194-1TQ	0.0001	0.0005	0.0001	0.120	0.130	0.130	●	0.01	0 ÷ 50 ÷ 100

Permissible limits of a metrological characteristic (MPE/MPL)

	0.001 in	0.0005 in	0.0001 in
Deviation span	0.0005 in	0.0005 in	0.0004 in
Total deviation span	0.0006 in	0.0006 in	0.0005 in
Repeatability limit	0.00015 in	0.00015 in	0.00006 in
Max. hysteresis	0.00015 in	0.00015 in	0.00008 in
Measuring force	≤ 1.4 N	≤ 1.4 N	≤ 1.7 N



Factory standard

0.001 in
0.0005 in
0.0001 in

0.001 in: 2.2 mm
0.0005 in: 3.1 mm
0.0001 in: 1.1 mm

Rotating dial. Can be locked.

Full-metal case housing. Fixing shank and plunger in hardened stainless steel.

High performance shock proof system in both directions

Adjustable tolerance markers. Measuring insert with a M2.5 thread.

Mounted insert with a 3 mm dia. steel ball tip

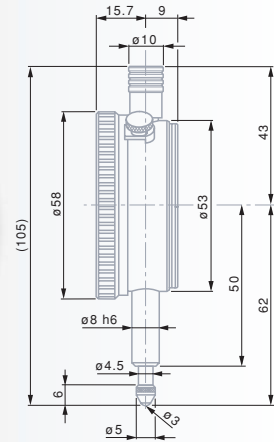
Cardboard box

Identification number

Inspection report with a declaration of conformity

MERCER Dial Gauges – TOP Quality

S series , 58 mm dial diameter, inch reading



Factory standard

0.0005 in
0.0001 in

1,5 mm

Rotating dial.
Can be locked.

Full-metal case housing.
Fixing shank and stainless steel plunger, hardened.

High performance shock proof system in both directions

Adjustable tolerance markers.
Measuring insert with a M2.5 thread.

Mounted insert with a 3 mm dia. steel ball tip

Cardboard box

Identification number

Inspection report with a declaration of conformity

Models to 0.0005 and 0.0001 in

			in	in	in		in	
<i>TOP Quality line, with dial lock</i>								
01426024	212HD-1TQ	0.0005	0.400	0.42	●	0.05	0 ÷ 25 ÷ 0	
01426022	240-1TQ	0.0001	0.200	0.21	●	0.01	0 ÷ 50 ÷ 0	
01426023	241-1TQ	0.0001	0.200	0.21	●	0.01	0 ÷ 50 ÷ 100	
<i>TOP Quality line with restricted reading range</i>								
01426025	212SRc-1TQ	0.0005	±0.020	0.150	●	0.2	20 ÷ 0 ÷ 20	

Permissible limits of a metrological characteristic (MPE/MPL)

	0.0005 in	0.0001 in 0.200 in	0.0001 in ± 0.020 in
Deviation span	0.0006 in	0.0005 in	0.0003 in
Total deviation span	0.0007 in	0.0006 in	0.0004 in
Repeatability limit	0.00015 in	0.00006 in	0.00012 in
Max. hysteresis	0.00015 in	0.00008 in	0.00012 in
Measuring force	≤ 1.5 N	≤ 1.5 N	≤ 1.5 N

