

For dial gauges with a 80 mm dial diameter, see page E-41.

MERCER Precision Dial Gauges with Long Measuring Span ø 58 mm – Standard Series Gauges



DIN 878 and factory standard

See in the table opposite

1,5 mm

Rotating dial. Can be locked.

Full-metal case housing

Fixing shank and plunger in hardened stainless steel

With or without shockproof system

Adjustable tolerance markers

M2,5 thread for the measuring insert

See in the table opposite

Mounted insert with a 3 mm dia. steel ball tip

Cardboard box

Identification number

Declaration of conformity

Inch Versions - 0.001 in or 0.0005 in Reading

No	in	in	in	in	in	in	in	N
Regular models								
14.26031	216-1	0.001	1	1.02	with	0.1	0 ÷ 50 ÷ 100	≤ 2,2
14.26032	217-1	0.0005	1	1.02	with	0.05	0 ÷ 25 ÷ 50	≤ 2,2

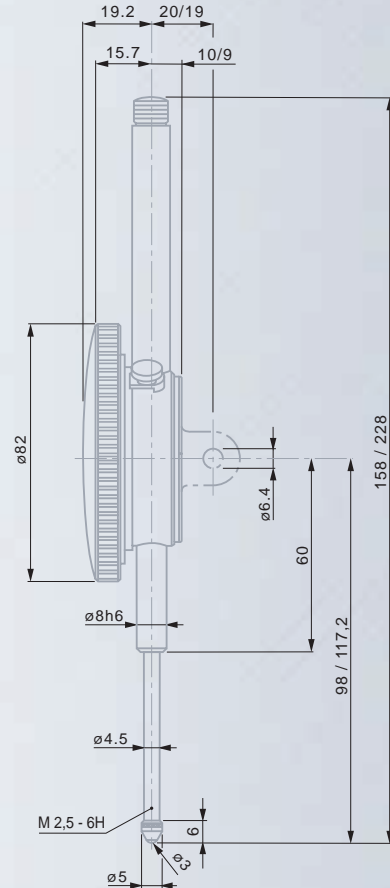
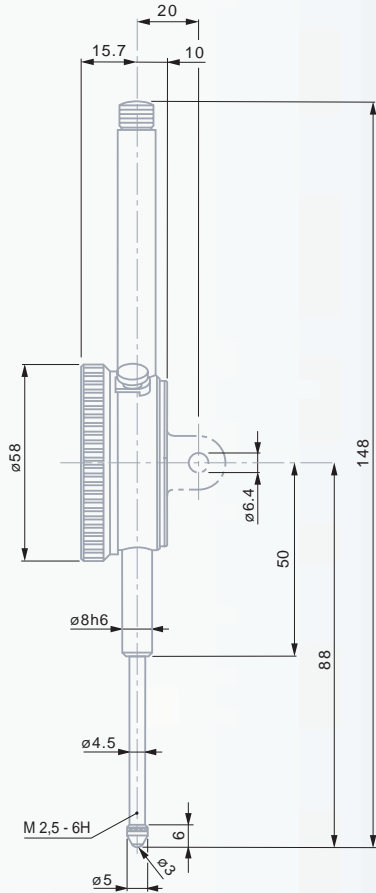
Metric Versions - 0,1 mm or 0,01 mm Reading



Regular models

14.16038	249-1	0,1	30	30,5	with	5	0 ÷ 5	≤ 2,2
14.16039	252-1	0,01	30	30,5	with	1	0 ÷ 50 ÷ 100	≤ 2,2

For dial gauges with a 80 mm dial diameter, report to page E-41.



Accuracy

For MERCER standard dial gauges, except series 70 and 90.



0.001 in	0.001 in	0.001 in	0.0005 in	0.0001 in	0,01 mm	0,01 mm	0,01 mm	0,1 mm	0,01 mm	0,002 mm	0,001 mm
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0.200 in	0.400 in	1 in	0.200 in	≤ 0,8 mm	5 mm	10 mm	30 mm	5 mm	1 mm
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Deviation span	0.0005 in	0.0006 in	20 μm	0.0005 in	7 μm	12 μm	15 μm	20 μm	12 μm	2 μm
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Total deviation span	0.0006 in	0.0007 in	25 μm	0.0006 in	9 μm	14 μm	17 μm	25 μm	14 μm	5 μm
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Repeatability limit	0.0002 in	0.0002 in	3 μm	0.0001 in	3 μm	3 μm	3 μm	3 μm	2 μm	1 μm
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Max. hysteresis	0.0002 in	0.0002 in	3 μm	0.0001 in	3 μm	3 μm	3 μm	3 μm	2 μm	1 μm
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