

Dial Depth Gauges

Käfer



Your partner for highest precision.

Dial Depth Gauge TM 5 R

with matt chromed measuring base

The base is matt chromed, hardened and lapped.

The metal collet attachment guarantees reliable fixing of the Dial Gauge. An additional internal hexagon screw makes exchanging the Dial Gauge easier.

The back plunger Dial Gauge provides a very easy reading of this model of Dial Depth Gauge: The Gauge can be read from the top.

Dial Depth Gauge TM 5 R	
Reading	0.01 mm
Range	5 mm
Range per revolution	0.5 mm
Bezel-Ø	40 mm
Base dimensions	80 x 16 mm
Accuracy to	manufacturing standard 0.0500.9.0006 hysteresis fu however not checked
Dial numbering	anti-clockwise



Spare Dial Gauge for TM 5 R

with contact point 537/21-L 13

The Spare Dial Depth Gauge for TM 5 R is supplied with contact point 573/21-L13, but without the base.

The contact point 573/21-L13 with a length of 13 mm is also available as a spare part. The article number is 62360.

Spare Dial Gauge for TM 5 R	
Reading	0.01 mm
Range	5 mm
Range per revolution	0.5 mm
Bezel-Ø	40 mm
Stem-Ø	8 h 6
Accuracy to	manufacturing standard 0.0500.9.0006 hysteresis fu however not checked
Dial numbering	anti-clockwise

Bases for Dial Depth Gauges



For the Dial Depth Gauges, 5 bases are available with the following dimensions:

Base TB 50	50 x 16 mm
Base TB 80	80 x 16 mm
Base TB 100	100 x 16 mm
Base TB 120	120 x 20 mm
Base TB 150	150 x 20 mm

The bases are interchangeable. Each base has a bore of 8 mm Ø H7. It is matt chromed and hardened. The contact face is lapped. The metal collet attachment guarantees reliable fixing of the Dial Gauges.

Dial Depth Gauge TM/2

with matt chromed measuring base

The base is matt chromed, hardened and lapped.

The metal collet attachment guarantees reliable fixing of the Dial Gauge. An additional internal hexagon screw makes exchanging the Dial Gauge easier.

The Dial Depth Gauge TM/2 is supplied completely mounted with base TB 80 and the 10 mm long contact point 573/21.

Dial Depth Gauge TM/2	
Reading	0.01 mm
Range	10 mm
Range per revolution	1 mm
Bezel-Ø	58 mm
Base dimensions	80 x 16 mm
Accuracy according to	DIN 878
	hysteresis fu however not checked
Dial reading	anti-clockwise



Model shown: TM/2

Inch Dial Depth Gauge TZ/2

with matt chromed measuring base

The Dial Depth Gauge TZ/2 bears the same technical features as the model TM/2 except for the reading of .001".

The pointed insert 573/13 is of the same overall length as the standard contact point 573/21. It is suitable for measuring the depth of an engraving.

Spare Dial Depth Gauges are supplied with contact points 573/21, but without base.

Dial Depth Gauge TZ/2	
Reading	.001"
Range	.400"
Range per revolution	.100"
Bezel-Ø	58 mm
Base dimensions	80 x 16 mm
Accuracy according to	DIN 878
	hysteresis fu however not checked
Dial reading	anti-clockwise

Bases for Dial Depth Gauges



For the Dial Depth Gauges, 5 bases are available with the following dimensions:

Base TB 50	50 x 16 mm
Base TB 80	80 x 16 mm
Base TB 100	100 x 16 mm
Base TB 120	120 x 20 mm
Base TB 150	150 x 20 mm

The bases are interchangeable. Each base has a bore of 8 mm Ø H7. It is matt chromed and hardened. The contact face is lapped. The metal collet attachment guarantees reliable fixing of the Dial Gauges.

Dial Depth Gauge TM 2/30

with matt chromed measuring base

The concentric millimetre pointer allows easy and safe reading of the Dial Depth Gauge TM 2/30. It is supplied completely mounted with contact point 573/21 and base TB 80.

Spare Dial Depth Gauges are supplied with contact points 573/21, but without base.

Dial Depth Gauge TM 2/30	
Reading	0.01 mm
Range	30 mm
Range per revolution	1 mm
Bezel-Ø	58 mm
Base dimensions	80 x 16 mm
Accuracy according to	manufacturing standard 1.0200.9.0014
	hysteresis fu however not checked
Dial reading	anti-clockwise



Inch Dial Depth Gauge TZ 2/30

with matt chromed measuring base

The Dial Depth Gauge TZ 2/30 bears the same technical features as the model TM 2/30 except for the reading of .001".

Extensions are suitable accessories for Dial Depth Gauges. They are available in lengths from 10 to 100 mm and from .400" to 4.000". Please take note of the range of products on pages 90 and 91 of our catalogue.

Dial Depth Gauge TZ 2/30	
Reading	.001"
Range	1.000"
Range per revolution	.100"
Bezel-Ø	58 mm
Base dimensions	80 x 16 mm
Accuracy analogous to	manufacturing standard 1.0200.9.0014
	hysteresis fu however not checked
Dial reading	anti-clockwise

Special Bases for Dial Depth Gauges



Due to its prismatic form the Base TB 66 P is particularly suited for measurements on tubes with a diameter of 10 – 100 mm.

Bases for Dial Depth Gauges with flat bearing surfaces are available in the following dimensions:

Base TB 200	200 x 20 mm
Base TB 250	250 x 20 mm
Base TB 300	300 x 25 mm

All Bases have a bore Ø of 8 mm H 7. The Bases are burnished and the measuring contact surface is ground very finely. Bases with special lengths are available on request.

Digital Depth Gauge TMD 12

with matt chromed measuring base and digital display

The base is matt chromed, hardened and lapped.

The metal collet attachment guarantees reliable fixing of the Dial Gauge. An additional internal hexagon screw makes exchanging the Dial Gauge easier.

The Digital Depth Gauge TMD 12 is supplied completely mounted with base TB 80 and the 12 mm long contact point 573/18 with a ball Ø of 1 mm.

Digital Depth Gauge TMD 12	
Resolution	0.01 mm / .0005"
Range	12.5 mm / .5"
Power supply	on Lithium battery 3V
Battery life	8000 h
Output	RS 232 or USB
Working temperature	+5 °C up to + 40 °C
Maximum error	20 µm



Model shown: TMD 12

Digital Depth Gauge TMD 25

with matt chromed measuring base and digital display

The Digital Depth Gauge TMD 25 bears the same technical features as the model TMD 12 except for the range of 25 mm.

Both models can be set to Inch-display, their resolution is then .0005".

Spare Digital Depth Gauges are supplied with contact points 573/18, but without base.

Digital Depth Gauge TMD 25	
Resolution	0.01 mm / .0005"
Range	25 mm / 1.00"
Power supply	on Lithium battery 3V
Battery life	8000 h
Output	RS 232 or USB
Working temperature	+5 °C up to + 40 °C
Maximum error	20 µm

Bases for Digital Depth Gauges



For the Digital Depth Gauges, 5 bases are available with the following dimensions:

Base TB 50	50 x 16 mm
Base TB 80	80 x 16 mm
Base TB 100	100 x 16 mm
Base TB 120	120 x 20 mm
Base TB 150	150 x 20 mm

All bases have a bore Ø of 8 mm H7. They are mutually interchangeable. The bases are matt chromed and hardened. Their support faces are lapped. The metal collet attachment guarantees reliable fixing of the Dial Gauges.