



### Dial Gauge M 2 T

Reading **0.01 mm**  
Range **10 mm**  
Bezel-Ø **58 mm**  
Accuracy according to DIN 878



### Dial Gauge KM 4/5 T

Reading **0.01 mm**  
Range **5 mm**  
Bezel-Ø **40 mm**  
Accuracy according to DIN 878

### Dial Gauge M 2/30 T

Reading **0.01 mm**  
Range **30 mm**  
Bezel-Ø **58 mm**  
Accuracy according to Käfer works standard



## Precision Dial Gauges



The well thought-out design, accurate components and robust construction of our Precision Dial Gauge series offer reliability, durability and a long working life.

Käfer reserves the right to modify or change the design of products shown in this brochure, without notice.

The right includes also changes in specifications.

### Dial Gauge Feinika FM 1101

**shockproof**

Reading **0.001 mm**

Range **1 mm**

Bezel-Ø **58 mm**

Accuracy according to

Käfer works standard



### Dial Gauge Feinika KM 1101

**shockproof**

Reading **0.001 mm**

Range **1 mm**

Bezel-Ø **40 mm**

Accuracy according to

Käfer works standard

### Dial Gauge FM 1000/5 S

**shockproof**

Reading **0.001 mm**

Range **5 mm**

Bezel-Ø **58 mm**

Accuracy according to

Käfer works standard



### Error Free Dial Gauge SI-90

**shockproof**

Reading **0.01 mm**

Range **0.8 mm**

Overtravel **9 mm**

Bezel-Ø **58 mm**

Accuracy according to DIN 878



### Error Free Dial Gauge SI-45

**shockproof**

Reading **0.01 mm**

Range **0.4 mm**

Overtravel **4.5 mm**

Bezel-Ø **40 mm**

Accuracy according to DIN 878



### Dial Gauge M 2 SW

**shockproof, waterproof**

Reading **0.01 mm**

Range **10 mm**

Bezel-Ø **61.5 mm**

Accuracy according to DIN 878

In the workshop it is unavoidable that Precision Dial Gauges are in contact with oil, water mist or dust. Our range of hermetically sealed Waterproof Dial Gauges has been specially designed to withstand these conditions. These extremely robust Precision Dial Gauges conforming to protection class IP 67 bear the order code 'W'.



### Error Free Dial Gauge SI-90 W

**shockproof, waterproof**

Reading **0.01 mm**

Range **0.8 mm**

Overtravel **9 mm**

Bezel-Ø **61.5 mm**

Accuracy according to DIN 878



### Dial Gauge M 2 R

**with back plunger**

Reading **0.01 mm**

Range **3 mm**

Bezel-Ø **58 mm**

Accuracy according to Käfer works standard



### Dial Gauge KM 4 R

**with back plunger**

Reading **0.01 mm**

Range **3 mm**

Bezel-Ø **40 mm**

Accuracy according to Käfer works standard

With this shockproof series, a product of our extensive design expertise, we offer accurate, reliable and long-lasting Dial Gauges. A gear rack sleeve covering the length of the spindle is arranged and sprung in such a way that the shocks against the measuring insert are not transferred to the gauge movement. The Dial Gauges are robust in operation. Their precision is maintained with practically no limitations.

### Dial Gauge M 2 SN

**shockproof**  
 Reading **0.01 mm**  
 Range **10 mm**  
 Bezel-Ø **58 mm**  
 Accuracy according to DIN 878

### Dial Gauge M 2 S

**shockproof, with fine adjustment of the pointer**  
 Reading **0.01 mm**  
 Range **10 mm**  
 Bezel-Ø **58 mm**  
 Accuracy according to DIN 878



### Dial Gauge GM 80/100 S

**shockproof**  
 Reading **0.01 mm**  
 Range **100 mm**  
 Bezel-Ø **80 mm**  
 Stem-Ø **10 mm h6**  
 Accuracy according to Käfer works standard

### Dial Gauge M 2/80 S

**shockproof**  
 Reading **0.01 mm**  
 Range **80 mm**  
 Bezel-Ø **58 mm**  
 Accuracy according to Käfer works standard

### Dial Gauge M 2/50 S

**shockproof**  
 Reading **0.01 mm**  
 Range **50 mm**  
 Bezel-Ø **58 mm**  
 Accuracy according to Käfer works standard

## Specifications of the Technical Data of Metric Dial Gauges

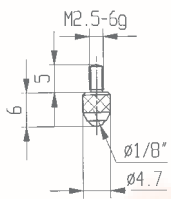
Type	Reading	Range per revolution	Range	Bezel-Ø	Stem-Ø	Special feature
KM 5 a	0.1 mm	5 mm	5 mm	40 mm	8 mm h6	
KM 10 a	0.1 mm	10 mm	10 mm	40 mm	8 mm h6	
M 10 a	0.1 mm	10 mm	10 mm	58 mm	8 mm h6	
M 10 b	0.1 mm	10 mm	20 mm	58 mm	8 mm h6	
M 10 c	0.1 mm	10 mm	30 mm	58 mm	8 mm h6	
M 10 d	0.1 mm	10 mm	50 mm	58 mm	8 mm h6	
SI-9/0.1	0.1 mm	–	8 mm	58 mm	8 mm h6	Error free
GM 10/80	0.1 mm	10 mm	20 mm	80 mm	8 mm h6	
MU 28	0.01 mm	0.5 mm	3.5 mm	28 mm	8 mm h6	
KM 6 T	0.01 mm	0.5 mm	3 mm	32 mm	8 mm h6	
KM 4 T	0.01 mm	0.5 mm	3 mm	40 mm	8 mm h6	
KM 4 TOP	0.01 mm	0.5 mm	3 mm	40 mm	8 mm h6	
KM 4 S	0.01 mm	0.5 mm	3 mm	40 mm	8 mm h6	
KM 4 TOP 'S'	0.01 mm	0.5 mm	3 mm	40 mm	8 mm h6	Shockproof
KM 4 XS	0.01 mm	0.5 mm	3 mm	40 mm	8 mm h6	Shockproof
KM 4/5 T	0.01 mm	0.5 mm	5 mm	40 mm	8 mm h6	
KM 4/5 T-100	0.01 mm	1 mm	5 mm	40 mm	8 mm h6	
KM 4/5 TOP	0.01 mm	0.5 mm	5 mm	40 mm	8 mm h6	
KM 4/5 X	0.01 mm	0.5 mm	5 mm	40 mm	8 mm h6	
KM 4/5 S	0.01 mm	0.5 mm	5 mm	40 mm	8 mm h6	Shockproof
KM 4/5 TOP 'S'	0.01 mm	0.5 mm	5 mm	40 mm	8 mm h6	Shockproof
KM 4 R	0.01 mm	0.5 mm	3 mm	40 mm	8 mm h6	Back plunger
KM 4/5 R	0.01 mm	0.5 mm	5 mm	40 mm	8 mm h6	Back plunger
SI-45	0.01 mm	–	0.4 mm	40 mm	8 mm h6	Error free
SI-45 W	0.01 mm	–	0.4 mm	44.5 mm	8 mm h6	Error free
SI-45/0.8	0.01 mm	–	0.8 mm	40 mm	8 mm h6	Error free
KM 4 SW	0.01 mm	0.5 mm	3 mm	44.5 mm	8 mm h6	Waterproof
KM 4/5 SW	0.01 mm	0.5 mm	5 mm	44.5 mm	8 mm h6	Waterproof
KM 4 S wa	0.01 mm	0.5 mm	3 mm	40 mm	8 mm h6	Water protected
KM 4 T Magnet	0.01 mm	0.5 mm	3 mm	40 mm	8 mm h6	Magnetic back
M 2 T	0.01 mm	1 mm	10 mm	58 mm	8 mm h6	
M 2 TK	0.01 mm	1 mm	10 mm	58 mm	8 mm h6	Concentric small hand
M 2 TOP	0.01 mm	1 mm	10 mm	58 mm	8 mm h6	
M 2 X	0.01 mm	1 mm	10 mm	58 mm	8 mm h6	
M 2 S	0.01 mm	1 mm	10 mm	58 mm	8 mm h6	Fine adjustment of the hand
M 2 SN	0.01 mm	1 mm	10 mm	58 mm	8 mm h6	Shockproof
M 2 TOP 'S'	0.01 mm	1 mm	10 mm	58 mm	8 mm h6	Shockproof
M 2 XS	0.01 mm	1 mm	10 mm	58 mm	8 mm h6	Shockproof
M 3 T	0.01 mm	0.5 mm	5 mm	58 mm	8 mm h6	
M 3 S	0.01 mm	0.5 mm	5 mm	58 mm	8 mm h6	Shockproof
M 2/30 T	0.01 mm	1 mm	30 mm	58 mm	8 mm h6	
M 2/30 S	0.01 mm	1 mm	30 mm	58 mm	8 mm h6	Shockproof
M 2/50 T	0.01 mm	1 mm	50 mm	58 mm	8 mm h6	
M 2/50 S	0.01 mm	1 mm	50 mm	58 mm	8 mm h6	Shockproof
M 2/80 T	0.01 mm	1 mm	80 mm	58 mm	8 mm h6	
M 2/80 S	0.01 mm	1 mm	80 mm	58 mm	8 mm h6	Shockproof
M 2 R	0.01 mm	1 mm	3 mm	58 mm	8 mm h6	Back plunger
M 2/5 R	0.01 mm	1 mm	5 mm	58 mm	8 mm h6	Back plunger
SI-90	0.01 mm	–	0.8 mm	58 mm	8 mm h6	Error free
SI-90 X	0.01 mm	–	0.8 mm	58 mm	8 mm h6	Error free
SI-90 R	0.01 mm	–	0.8 mm	58 mm	8 mm h6	Error free
SI-90 W	0.01 mm	–	0.8 mm	61.5 mm	8 mm h6	Error free
SI-100	0.01 mm	–	1 mm	58 mm	8 mm h6	Error free
SI-18	0.01 mm	–	1.6 mm	58 mm	8 mm h6	Error free
M 2 SW	0.01 mm	1 mm	10 mm	61.5 mm	8 mm h6	Waterproof
M 2/30 SW	0.01 mm	1 mm	30 mm	61.5 mm	8 mm h6	Waterproof
M 2 S wa	0.01 mm	1 mm	10 mm	58 mm	8 mm h6	Water protected
M 2 T Magnet	0.01 mm	1 mm	10 mm	58 mm	8 mm h6	Magnetic back
GM 80 T	0.01 mm	1 mm	10 mm	80 mm	8 mm h6	
GM 80 S	0.01 mm	1 mm	10 mm	80 mm	8 mm h6	Shockproof
GM 80/30 T	0.01 mm	1 mm	30 mm	80 mm	8 mm h6	
GM 80/50 T	0.01 mm	1 mm	50 mm	80 mm	8 mm h6	
GM 80/100 T	0.01 mm	1 mm	100 mm	80 mm	10 mm h6	
M 3 a T	0.005 mm	0.5 mm	5 mm	58 mm	8 mm h6	
M 3 a S	0.005 mm	0.5 mm	5 mm	58 mm	8 mm h6	Shockproof
M 3 a SI	0.005 mm	–	0.4 mm	58 mm	8 mm h6	Error free
KM 500 T	0.002 mm	0.2 mm	1 mm	40 mm	8 mm h6	
KM 500 S	0.002 mm	0.2 mm	1 mm	40 mm	8 mm h6	Shockproof
KM 500 SW	0.002 mm	0.2 mm	1 mm	44.5 mm	8 mm h6	Waterproof
FM 500 T	0.002 mm	0.2 mm	1 mm	58 mm	8 mm h6	
FM 500 SI	0.002 mm	–	0.16 mm	58 mm	8 mm h6	Error free
KM 1000 T	0.001 mm	0.2 mm	1 mm	40 mm	8 mm h6	
KM 1000 S	0.001 mm	0.2 mm	1 mm	40 mm	8 mm h6	Shockproof
Feinika KM 1101	0.001 mm	0.1 mm	1 mm	40 mm	8 mm h6	Shockproof, extra accurate
Feinika SI-914	0.001 mm	–	0.08 mm	40 mm	8 mm h6	Error free
KM 1000 S wa	0.001 mm	0.2 mm	1 mm	40 mm	8 mm h6	Water protected
FM 1000 T	0.001 mm	0.2 mm	1 mm	58 mm	8 mm h6	
FM 1000 S	0.001 mm	0.2 mm	1 mm	58 mm	8 mm h6	Shockproof
Feinika FM 1101	0.001 mm	0.1 mm	1 mm	58 mm	8 mm h6	Shockproof, extra accurate
FM 1000/5 T	0.001 mm	0.2 mm	5 mm	58 mm	8 mm h6	
FM 1000/5 S	0.001 mm	0.2 mm	5 mm	58 mm	8 mm h6	Shockproof
Feinika SI-915	0.001 mm	–	0.08 mm	58 mm	8 mm h6	Error free
Feinika SI-918	0.001 mm	–	0.16 mm	58 mm	8 mm h6	Error free
SI-180	0.001 mm	–	0.16 mm	58 mm	8 mm h6	Error free
FM 1000 S wa	0.001 mm	0.2 mm	1 mm	58 mm	8 mm h6	Water protected
FM 1000 SW	0.001 mm	0.2 mm	1 mm	61.5 mm	8 mm h6	Waterproof
FM 1000/5 SW	0.001 mm	0.2 mm	5 mm	61.5 mm	8 mm h6	Waterproof

Optionally, our Dial Gauges are available with special fittings (e.g. with special dials, with increased or reduced measuring forces, with extended stem).

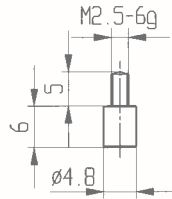
Inch Reading Dial Gauges with a stem-Ø of 8 mm h6 and Inch Reading Dial Gauges with a stem-Ø of 3/8" are also available. For details concerning this Dial Gauge series please see our comprehensive English catalogue or our special brochure on Inch Reading Dial Gauges.

# Feelers for Dial Gauges

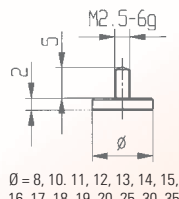
with male thread M 2.5



**M2/70**

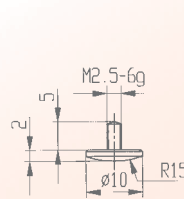


**573/10**

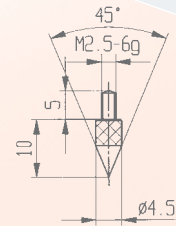


**573/11**

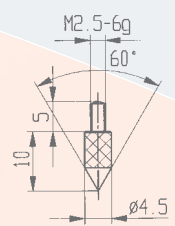
Ø = 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 25, 30, 35



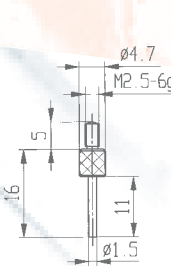
**573/12**



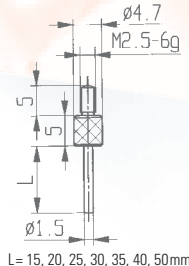
**573/13**



**573/13-60**

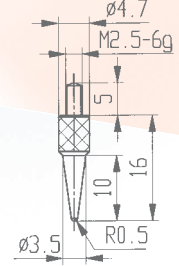


**573/14**

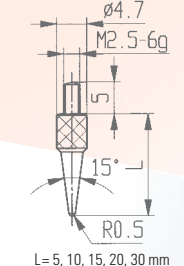


**573/14 L**

L = 15, 20, 25, 30, 35, 40, 50 mm

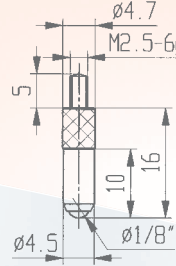


**573/15**

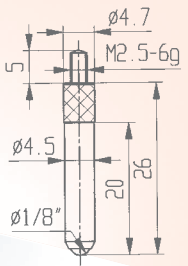


**573/15 L**

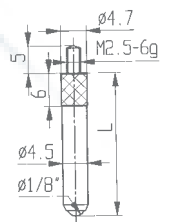
L = 5, 10, 15, 20, 30 mm



**573/16**

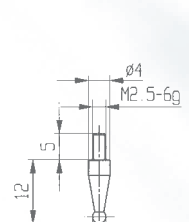


**573/17**



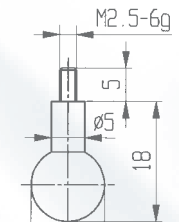
**573/17 L**

L = 10, 20, 30, 40, 50, 60, 70, 80, 90 mm



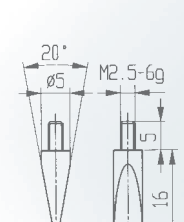
**573/18**

Ø1-6.5



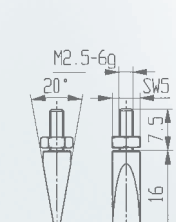
**573/19**

Ø7-11



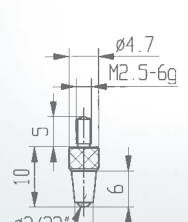
**573/20**

Ø5



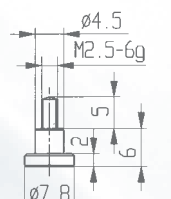
**573/20 E**

SW5

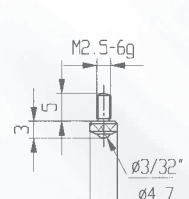


**573/21**

Ø3/32"

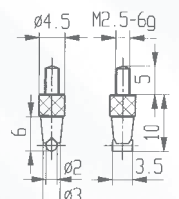


**573/22**



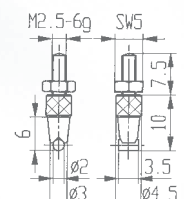
**573/23**

Ø3/32"



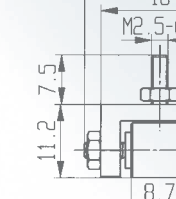
**573/24**

Ø2



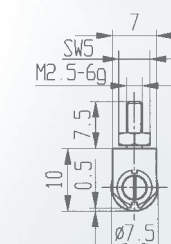
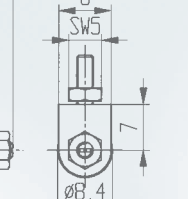
**573/24 E**

SW5

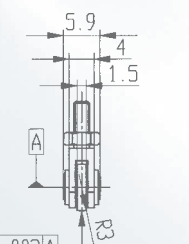


**573/25 E**

Ø8.4

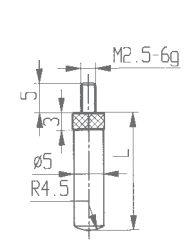


**573/28 E**



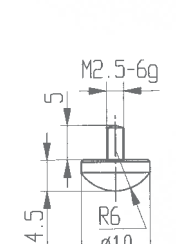
**573/29 L**

L = 3, 5, 8, 10, 12, 15, 20 mm



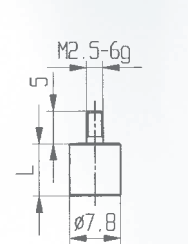
**573/30 L**

L = 3, 5, 8, 10, 12, 15, 20 mm



**573/32**

R6



**573/35 L**

L = 3, 5, 8, 10 mm

## Extensions for feelers

### Feelers with carbide, ruby or sapphire inserts

with male thread M 2.5

#### Extensions for feelers:

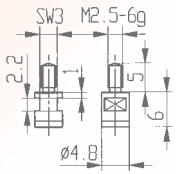
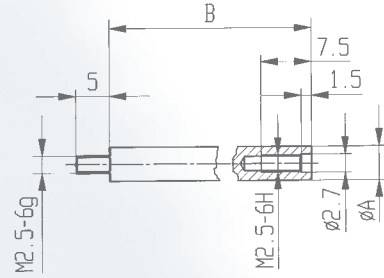
Dimension A: 4 mm (used at Dial Gauges with spindle  $\varnothing$  of 4 mm)

Dimension A: 5 mm (used at Dial Gauges with spindle  $\varnothing$  of 5 mm)

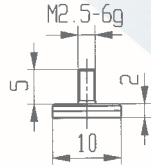
Dimension B available in the following standard lengths:  
10, 15, ... 90, 95 and 100 mm

Special lengths are available.

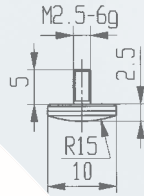
#### Feelers with carbide (H), ruby (R) or sapphire (S) inserts



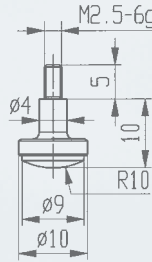
573/10 H



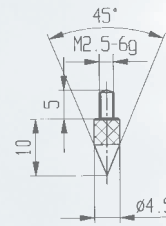
573/11 H



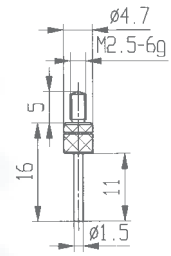
573/12 H



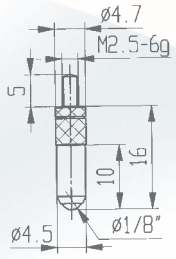
573/12-10 H



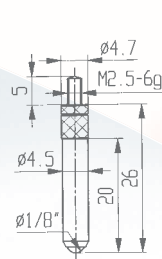
573/13 H



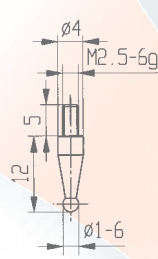
573/14 H



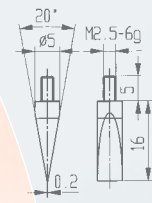
573/16 H/R/S



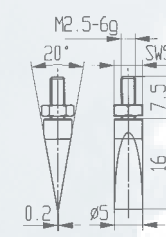
573/17 H/R/S



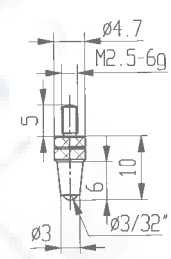
573/18 H



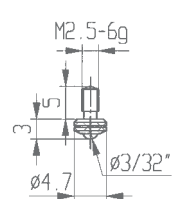
573/20 H



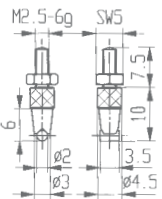
573/20 HE



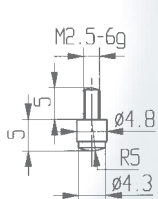
573/21 H



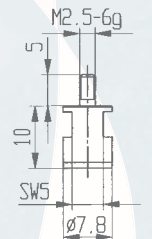
573/23 H



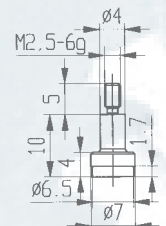
573/24 HE



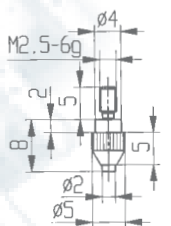
573/31 H



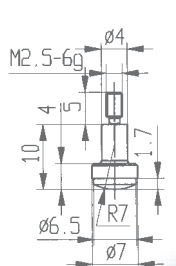
573/35 H



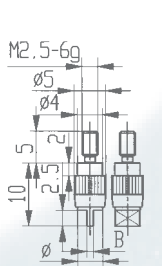
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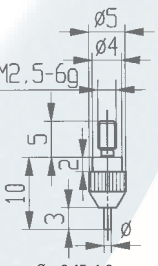
573/105 H



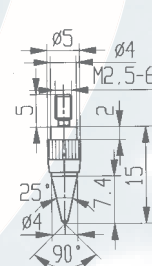
573/108 H



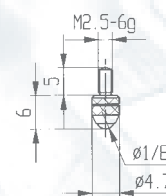
573/110 H



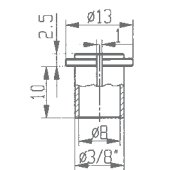
573/112 H



573/114 H



M2/70 H/R/S



3.0860

### Digital Dial Gauge FMD 25 T

Resolution **0.001 mm / .00005"**  
Range **25 mm / 1"**  
Bezel-Ø **60 mm**  
Output **RS 232**, optoelectronic  
Maximum error in one measuring direction: **5 µm**



### Digital Dial Gauge

#### KMD 12 T

Resolution **0.01 mm / .0005"**  
Range **12.5 mm / .5"**  
Bezel-Ø **44 mm**  
Output **RS 232**, optoelectronic  
Maximum error in one measuring direction: **20 µm**



### Digital Dial Gauge

#### MDMV 12 T

Resolution **0.01 mm / .0005"**  
Range **12.5 mm / .5"**  
Bezel-Ø **58 mm**  
Output **RS 232 or Digimatic**  
Maximum error in one measuring direction: **30 µm**



### Comparator Gauge Compika 1001

**shockproof**

Reading **0.001 mm**  
Range **0.1 mm (± 0.05 mm)**  
Overtravel **3.0 mm**  
Bezel-Ø **62 mm**  
Accuracy according to DIN 879



### Comparator Gauge Compika 1001 wa

**shockproof, water protected**

Reading **0.001 mm**  
Range **0.1 mm (± 0.05 mm)**  
Overtravel **3.0 mm**  
Bezel-Ø **62 mm**  
Accuracy according to DIN 879



### Summary of important technical data of Digital Dial Gauges

Type	Resolution	Range	Bezel-Ø	Data cables	Special feature
KMD 12 T wa	0.01 mm	12.5 mm	44 mm	DCKMD 232	Water protected
FKMD 12 T	0.001 mm	12.5 mm	44 mm	DCKMD 232	
MDMV 12 T	0.01 mm	12.5 mm	58 mm	DCMV 232 or DCMV DIGIMATIC	
MD 12 T	0.01 mm	12.5 mm	60 mm	DCMD 232	
FMD 12 T	0.001 mm	12.5 mm	60 mm	DCMD 232	
MD 25 T	0.01 mm	25 mm	60 mm	DCMD 232	
FMD 25 T	0.001 mm	25 mm	60 mm	DCMD 232	
MD 50 T	0.01 mm	50 mm	60 mm	DCMD 232	
FMD 50 T	0.001 mm	50 mm	60 mm	DCMD 232	
MD 100 T	0.01 mm	100 mm	60 mm	DCMD 232	
FMD 100 T	0.001 mm	100 mm	60 mm	DCMD 232	Dial Test Indicator
DK 30	0.01 mm	0.8 mm	44 mm	DCKMD 232	

Accessories	Model	Technical features	Suitable for model
Data cable	DCMV 232	2m long, SUB-D jack, 9-pin	MDMV 12 T
Data cable	DCMV DIGIMATIC	2 m long, flat connector, 10-pin	MDMV 12 T
Data cable	DCMD 232	2 m long SUB-D jack, 9-pin/F	MD 12 T, MD 25 T, MD 50 T, MD 100 T FMD 12 T, FMD 25 T, FMD 50 T, FMD 100 T
Data cable	DCKMD 232	2 m long SUB-D jack, 9-pin/F, power supply	KMD 12 T, FKMD 12 T, DK 30
Battery	BCR 2032	Lithium 3 V type CR 2032	For all Digital Gauges

The cable for data transmission is not included in the scope of supply of Digital Dial Gauges but has to be ordered separately.

### Summary of important technical data of metric Comparator Gauges Compika to DIN 879

Type	Reading	Range	Dial Reading	Overtravel	Special feature
Compika 101, 101 B	0.01 mm	0.5 mm	25-0-25	2.5 mm	Shockproof
Compika 101 wa	0.01 mm	0.5 mm	25-0-25	2.5 mm	Water protected
Compika 505, 505 B	0.005 mm	0.2 mm	100-0-100	2.8 mm	Shockproof
Compika 502, 502 B	0.002 mm	0.2 mm	100-0-100	2.8 mm	Shockproof
Compika 1001, 1001 B	0.001 mm	0.1 mm	50-0-50	3.0 mm	Shockproof
Compika 1001 wa	0.001 mm	0.1 mm	50-0-50	3.0 mm	Water protected

Stem Ø 8 mm h6.

### Technical data for metric Dial Test Indicators to DIN 2270

Type	Reading	Range	Dial Reading	Bezel-Ø	Form to DIN 2270	Length of contact point (2 mm Ø ball)
K 30	0.01 mm	0.8 mm	0-40-0	32 mm	A	12 mm
K 30/1	0.01 mm	1.0 mm	0-50-0	32 mm	A	15.9 mm
K 31	0.01 mm	0.8 mm	0-40-0	32 mm	B	12 mm
K 32	0.01 mm	0.8 mm	0-40-0	32 mm	C	12 mm
K 33	0.01 mm	0.5 mm	0-25-0	32 mm	A	35 mm
K 34	0.01 mm	0.5 mm	0-25-0	32 mm	B	35 mm
K 35	0.01 mm	0.5 mm	0-25-0	32 mm	C	35 mm
K 36	0.002 mm	0.2 mm	0-100-0	32 mm	A	12 mm
K 37	0.002 mm	0.2 mm	0-100-0	32 mm	B	12 mm
K 38	0.002 mm	0.2 mm	0-100-0	32 mm	C	12 mm
K 40	0.01 mm	0.8 mm	0-40-0	40 mm	A	12 mm
K 40/1	0.01 mm	1.0 mm	0-50-0	40 mm	A	15.9 mm
K 41	0.01 mm	0.8 mm	0-40-0	40 mm	B	12 mm
K 42	0.01 mm	0.8 mm	0-40-0	40 mm	C	12 mm
K 43	0.01 mm	0.5 mm	0-25-0	40 mm	A	35 mm
K 44	0.01 mm	0.5 mm	0-25-0	40 mm	B	35 mm
K 45	0.01 mm	0.5 mm	0-25-0	40 mm	C	35 mm
K 46	0.002 mm	0.2 mm	0-100-0	40 mm	A	12 mm
K 47	0.002 mm	0.2 mm	0-100-0	40 mm	B	12 mm
K 48	0.002 mm	0.2 mm	0-100-0	40 mm	C	12 mm

Supplied in tasteful boxes with transparent cover with 1 contact point with tungsten carbide ball Ø 2 mm, 1 spanner for changing the contact points and 1 stem 8 mm.

### Dial Test Indicator K 30

**shockproof, non-magnetic**  
Reading **0.01 mm**  
Range **0.8 mm**  
Bezel-Ø **32 mm**  
Length of contact point **12 mm**  
Form A to DIN 2270  
Accuracy according to DIN 2270



### Dial Test Indicator K 33

**shockproof, non-magnetic**  
Reading **0.01 mm**  
Range **0.5 mm**  
Bezel-Ø **32 mm**  
Length of contact point **35 mm**  
Form A to DIN 2270  
Accuracy according to DIN 2270



### Dial Test Indicator K 37

**shockproof, non-magnetic**  
Reading **0.002 mm**  
Range **0.2 mm**  
Bezel-Ø **32 mm**  
Length of contact point **12 mm**  
Form B to DIN 2270  
Accuracy according to DIN 2270



Here are some of the advantages applicable to the whole series of Dial Test Indicators:

- Automatic change of the direction of measurement.
- Body with 3 dovetail slides for clamping the stem and other equipment.
- Precision components, running in ruby bearings, warrant highest precision throughout.
- Tungsten carbide ball 2 mm Ø in measuring inserts.
- Body hard-chromed in order to protect the dovetail slides against damage.

#### Contact points for Dial Test Indicators

Type	Length	ball
5.2281	12 mm	Ø 2 mm (tungsten carbide)
5.2296	12 mm	Ø 2 mm (ruby)
5.2284	35 mm	Ø 2 mm (tungsten carbide)
5.2298	35 mm	Ø 2 mm (ruby)

#### Holders for Dial Test Indicators

Type	Name	Technical data
FH 8	Centering Holder	Ø 8h6, mounting bores Ø 4+8 H7, with dovetail clamp
1.0958	Square Holder	6x12x80mm, mounting bores Ø 4+8 H7, with dovetail clamp
FH 90	Round Holder	8 mm Ø x 90 mm, mounting bore 8 H7, with dovetail clamp

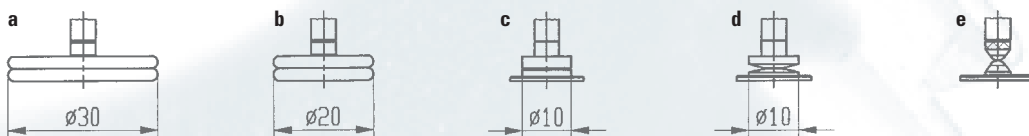
### Technical Data for Metric Thickness Gauges

Type	Reading mm	Range mm	Depth of jaw mm	Lifting device	Form of feelers standard	available on request
K 15	0.1	10	15	no	6.35 mm Ø flat	10 mm Ø flat, convex or spherical
K 15/2	0.1	20	15	no	6.35 mm Ø flat	10 mm Ø flat, convex or spherical
K 50	0.1	10	50	no	c	a, b, d or e
K 50 with lifting device	0.1	10	50	yes	c	a, b, d or e
K 50/2	0.1	20	50	no	c	a, b, d or e
K 50/3	0.1	30	50	no	c	a, b, d or e
K 50/5	0.1	50	50	no	c	a, b, d or e
K 100	0.1	30	100	no	c	a, b, d or e
K 200	0.1	30	200	yes	c	a, b, d or e
K 300	0.1	30	300	yes	c	a, b, d or e
K 400	0.1	30	400	yes	c	a, b, d or e
J 12	0.01	8	12	yes	6.35 mm Ø flat	spherical
J 15	0.01	10	18	yes	6.35 mm Ø flat	10 mm Ø flat, convex or spherical
J 45	0.01	10	45	yes	6.35 mm Ø flat	10 mm Ø flat, convex or spherical
J 50	0.01	10	50	no	c	a, b, d or e
J 50 with lifting device	0.01	10	50	yes	c	a, b, d or e
JD 50 with lifting device	0.01	10	50	yes	c	a, b, d or e
JD 50 TOP	0.01	10	50	yes	c	a, b, d or e
J 50 /30	0.01	30	50	no	c	a, b, d or e
J 50/30 with lifting device	0.01	30	50	yes	c	a, b, d or e
JD 50/25	0.01	25	50	yes	c	a, b, d or e
J 50 R	0.01	5	50	yes	rollers	
J 50 R without side discs	0.01	5	50	yes	rollers without side discs	
JD 50 R	0.01	10	50	yes	rollers	
JD 50 R without side discs	0.01	10	50	yes	rollers without side discs	
J 50 W	0.01	10	50	yes	pin with collar for pipe walls	
JD 50 W	0.01	10	50	yes	pin with collar for pipe walls	
J 100	0.01	10	100	yes	c	a, b, d or e
JD 100	0.01	10	100	yes	c	a, b, d or e
J 100/30	0.01	30	100	yes	c	a, b, d or e
JD 100/25	0.01	25	100	yes	c	a, b, d or e
J 200	0.01	10	200	yes	c	a, b, d or e
JD 200	0.01	10	200	yes	c	a, b, d or e
J 200/30	0.01	30	200	yes	c	a, b, d or e
JD 200/25	0.01	25	200	yes	c	a, b, d or e
J 300	0.01	10	300	yes	c	a, b, d or e
JD 300	0.01	10	300	yes	c	a, b, d or e
F 50 with lifting device	0.001	5	50	yes	c	a, b, d or e
F 1101/30	0.001	1	30	yes	6.35 mm Ø flat	convex R 15 or R 40, flat 10 mm Ø, spherical
FD 50 with lifting device	0.001	10	50	yes	c	a, b, d or e
FD 50/25	0.001	25	50	yes	c	a, b, d or e
FD 100/25	0.001	25	100	yes	c	a, b, d or e
FD 200/25	0.001	25	200	yes	c	a, b, d or e

The feelers listed in the column 'standard' will be mounted unless the order calls for specials. Thickness Gauges can be supplied with feelers listed in the column 'available on request' without extra costs.

Schematic diagrams of the feelers style a, b, c, d and e can be found below. Thickness Gauges adding 'D' in the type designation possess a digital indicating instrument.

#### Form of feelers





### Digital Thickness Gauge FD 50

Resolution **0.001 mm**  
Range **10 mm**  
Depth of jaw **50 mm**  
Output **RS 232**  
Maximum error **5 µm**

### Dial Thickness Gauge J 50 with lifting device

Reading **0.01 mm**  
Range **10 mm**  
Depth of jaw **50 mm**  
Maximum error **15 µm**



### Pocket Dial Thickness Gauge J 15

Reading **0.01 mm**  
Range **10 mm**  
Depth of jaw **18 mm**  
Maximum error **15 µm**



### Our further manufacturing programme:

- Dial Depth Gauges
- Saw Setting Dial Gauges
- Magnetic Stands
- Measuring Tables
- Special Measuring Instruments
- Test Certificates



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