

Contact Points

for Dial Thickness Gauges with large frame depth

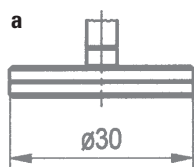
Dial Thickness Gauges are used for measuring the thickness of a very wide range of materials such as leather, paperboard, paper, felt, rubber, glass, sheet, metal, films, plywood and plastics. The shape of the contact points should be adapted to the material being measured.

We normally supply all our Dial Thickness Gauges with contact points to form c as standard, unless otherwise stated in this catalogue. Gauges can be supplied with other forms of contact points (a, b, d or e) at no extra cost. Should you require non standard

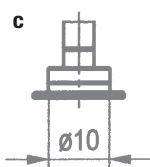
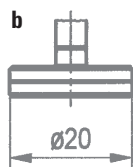
contact points, please state on your order the type of contact points we must supply (for example: Dial Thickness Gauge J 50 with contact points form a).

Special flat contact points up to diameter of 56 mm are available at additional cost. These include contact points with precise contact area, for example \varnothing of 11.3 m to give 1 cm² of contact area.

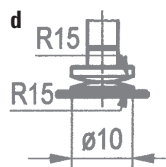
A new attachment, 3.2272, with a female thread M 2.5 is available for Dial Thickness Gauges models K and J 50 - 300. This attachment enables the use of profiled contact points shown on the catalogue pages 87 and 88.



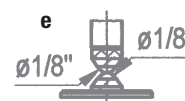
rubber,
felt,
soft materials



soft leather,
cardboard,
paper, foils



hard leather,
plywood,
fibrous
plates



sheets,
hard materials

Dial Thickness Gauge K 50

In standard version the Dial Thickness Gauge K 50 will be supplied with contact points form c.

When ordering, please state whether you require another form of contact points than form c. The forms of contact points a, b, d or e are available at the same price. Flat special contact points with special diameters of up to 56 mm Ø are available for a surcharge.

Dial Thickness Gauge K 50	
Reading	0.1 mm
Range	10 mm
Range per revolution	10 mm
Bezel-Ø	58 mm
Depth of jaw	50 mm
Accuracy according to	manufacturing standard 0.0100.9.0004, hysteresis fu however not checked
Standard contact point	form c
Optional contact points	forms a, b, d or e

Spare Dial Gauge for K 50

The Spare Dial Gauge for K 50 is equipped with the extension 3.2236. This extension with M 3 male thread is required for mounting the upper contact points form a and b. When fitting contact points form c, d or e then it is necessary to remove this extension.

For a surcharge we will supply the Spare Dial Gauge for K 50 with the upper contact point form a, b, c, d or e.

Spare Dial Gauge for K 50	
Reading	0.1 mm
Range	10 mm
Range per revolution	10 mm
Bezel-Ø	58 mm
Stem-Ø	8 h 6
Accuracy according to	manufacturing standard 0.0100.9.0004, hysteresis fu however not checked
Standard contact point	without
Optional contact points	forms a, b, c, d or e



Model **K 50 with lifting device** has the same technical specification as model K 50 with pressure lever. At rest the contact points are closed. This style has the advantage that the contact pressure of 0.5 N is applied independently of the user. The **Spare Dial Gauge for K 50 with lifting device** will be supplied without lifting device unless requested on the order.

Dial Thickness Gauge K 50/2

Dial Thickness Gauge K 50/3

The Dial Thickness Gauges K 50/2 and K 50/3 differ only in measuring range and the kind of revolution counter. On model K 50/3 the counter is designed as linear auxiliary scale while on model K 50/2 it is a revolution counter with a small hand.

Dial Thickness Gauge K 50/2	
Reading	0.1 mm
Range	20 mm
Range per revolution	10 mm
Bezel-Ø	58 mm
Depth of jaw	50 mm
Accuracy according to	manufacturing standard 0.0100.9.0004, hysteresis fu however not checked
Standard contact point	form c
Optional contact points	forms a, b, d or e

Dial Thickness Gauge K 50/3	
Reading	0.1 mm
Range	30 mm
Range per revolution	10 mm
Bezel-Ø	58 mm
Depth of jaw	50 mm
Accuracy according to	manufacturing standard 0.0100.9.0004, hysteresis fu however not checked
Standard contact point	form c
Optional contact points	forms a, b, d or e



Model shown: K 50/3

On request the models K 50/2 and K 50/3 are also available with a strengthened lifting device at the back.

On both of these models a spring produces the measuring force. Thus the contact pressure is independent of the user.

Please request our offers.

Spare Dial Gauge for K 50/2	
Reading	0.1 mm
Range	20 mm
Range per revolution	10 mm
Bezel-Ø	58 mm
Stem-Ø	8 h 6
Accuracy according to	manufacturing standard 0.0100.9.0004, hysteresis fu however not checked
Standard contact point	without
Optional contact points	forms a, b, c, d or e

Spare Dial Gauge for K 50/3	
Reading	0.1 mm
Range	30 mm
Range per revolution	10 mm
Bezel-Ø	58 mm
Stem-Ø	8 h 6
Accuracy according to	manufacturing standard 0.0100.9.0004, hysteresis fu however not checked
Standard contact point	without
Optional contact points	forms a, b, c, d or e

Dial Thickness Gauge K 50/5

In standard version the Dial Thickness Gauge K 50/5 will be supplied with contact points form c. Delivery with contact points form a, b, d or e only when stated in the order.

The Dial Thickness Gauge K 300/50 with 300 mm jaw depth and 50 mm measuring range can be delivered as special variant.

Please request our offers.

Dial Thickness Gauge K 50/5	
Reading	0.1 mm
Range	50 mm
Range per revolution	10 mm
Bezel-Ø	58 mm
Depth of jaw	50 mm
Accuracy according to	manufacturing standard 0.0100.9.0004, hysteresis fu however not checked
Standard contact point	form c
Optional contact points	forms a, b, d or e

Spare Dial Gauge for K 50/5

The Spare Dial Gauge for K 50/5 will be supplied with the extension 3.2236. For a surcharge we will supply the Spare Dial Gauge for K 50/5 with the upper contact point form a, b, c, d or e.

Delivery is without push rod, compression spring and push button. These spare parts are separately available.

Spare Dial Gauge for K 50/5	
Reading	0.1 mm
Range	50 mm
Range per revolution	10 mm
Bezel-Ø	58 mm
Stem-Ø	8 h 6
Accuracy according to	manufacturing standard 0.0100.9.0004, hysteresis fu however not checked
Standard contact point	without
Optional contact points	forms a, b, c, d or e



Dial Thickness Gauge K 200

The Dial Thickness Gauge K 200 possesses a lifting device and thus the contact force is independent of the user.

For the model K 200 in standard version the contact force is 1.8 N. Specials with increased or reduced contact force are available on request with values listed in the table below the illustration.

Dial Thickness Gauge K 200	
Reading	0.1 mm
Range	30 mm
Range per revolution	10 mm
Bezel-Ø	58 mm
Depth of jaw	200 mm
Accuracy according to	manufacturing standard 0.0100.9.0004, hysteresis fu however not checked
Standard contact point	form c
Optional contact points	forms a, b, d or e

Spare Dial Gauge for K 200 – K 400



The Spare Dial Gauges for models K 200, K 300 and K 400 are of the same design. They will be supplied just like all the other Spare Dial Gauges without contact point but with the extension 3.2236.

For a surcharge we will supply the Spare Dial Gauge for K 200 - K 400 with the upper contact point form a, b, c, d or e.

Spare Dial Gauge for K 200 – K 400	
Reading	0.1 mm
Range	30 mm
Range per revolution	10 mm
Bezel-Ø	58 mm
Stem-Ø	8 h 6
Accuracy according to	manufacturing standard 0.0100.9.0004, hysteresis fu however not checked
Standard contact point	without
Optional contact points	forms a, b, c, d or e



Table of Contact Force

Model	Standard Force	Reduced Force	Increased Force
K 50 with lifting device	0.5 N	—	1.2 N
K 200	1.8 N	0.9 N	2.5 N
K 300	1.8 N	0.9 N	2.5 N
K 400	1.8 N	0.9 N	2.5 N

Variants with push-on rod and additional weights on request.

Dial Thickness Gauges K 300 and K 400

The Dial Thickness Gauges K 200, K 300 and K 400 have the same form of jaw. Only the depth of jaw is different.

The use of aluminium for the body of the instruments makes them light and easy to handle. A mounting device makes it possible to use them as a table unit.

Dial Thickness Gauge K 300	
Reading	0.1 mm
Range	30 mm
Range per revolution	10 mm
Bezel-Ø	58 mm
Depth of jaw	300 mm
Accuracy according to	manufacturing standard 0.0100.9.0004, hysteresis fu however not checked
Standard contact point	form c
Optional contact points	forms a, b, d or e

Additional weights for K 200 – K 400

Additional weights are available to increase the contact pressure on Dial Thickness Gauges K 200 to K 400.

These weights can be attached to the shaft at the top of the Dial Gauge.

Please contact us for further details.

Dial Thickness Gauge K 400	
Reading	0.1 mm
Range	30 mm
Range per revolution	10 mm
Bezel-Ø	58 mm
Depth of jaw	400 mm
Accuracy according to	manufacturing standard 0.0100.9.0004, hysteresis fu however not checked
Standard contact point	form c
Optional contact points	forms a, b, d or e



Model shown: K 300 special version with additional weights and special contact points Ø 50 mm

We also offer a Dial Thickness Gauge with enlarged frame with jaw depth of 300 mm and extended measuring range of 50 mm or 80 mm. This instrument can be delivered with readings of 0.1 mm resp. 0.01 mm. All variations are furnished with push button and stand. Please request our offers.

Dial Thickness Gauge J 50

In standard version the Dial Thickness Gauge J 50 will be supplied with contact points form c.

When ordering, please state whether you require another form of contact points than form c. The forms of contact points a, b, d or e are available at the same price. Flat special contact points with special diameters of up to 56 mm Ø are available for a surcharge.

Dial Thickness Gauge J 50	
Reading	0.01 mm
Range	10 mm
Range per revolution	1 mm
Bezel-Ø	58 mm
Depth of jaw	50 mm
Accuracy according to	DIN 878
	hysteresis fu however not checked
Standard contact point	form c
Optional contact points	forms a, b, d or e

Spare Dial Gauge for J 50

The Spare Dial Gauge for J 50 is equipped with the extension 3.2236. This extension with M 3 male thread is required for mounting the upper contact points form a and b. When fitting contact points form c, d or e then it is necessary to remove this extension.

For a surcharge we will supply the Spare Dial Gauge for J 50 with the upper contact point form a, b, c, d or e.

Spare Dial Gauge for J 50	
Reading	0.01 mm
Range	10 mm
Range per revolution	1 mm
Bezel-Ø	58 mm
Stem-Ø	8 h 6
Accuracy according to	DIN 878
	hysteresis fu however not checked
Standard contact point	without
Optional contact points	forms a, b, c, d or e



Another Dial Thickness Gauge of the same family is J 50/30 (depth of jaw 50 mm, range 30 mm).

Dial Thickness Gauge J 50

with lifting device

The Dial Thickness Gauge J 50 possesses a lifting device and thus the contact force is independent of the user.

For the model J 50 in standard version the contact force is 0.8 N. Specials with increased or reduced contact force are available on request with values listed in the table below the illustration.

Dial Thickness Gauge J 50 with lifting device	
Reading	0.01 mm
Range	10 mm
Range per revolution	1 mm
Bezel-Ø	58 mm
Depth of jaw	50 mm
Accuracy according to	DIN 878
	hysteresis fu however not checked
Standard contact point	form c
Optional contact points	forms a, b, d or e

Spare Dial Gauge for J 50

with lifting device

The Spare Dial Gauge for model J 50 with lifting device will be delivered like all other Spare Dial Gauges without lifting device and contact point but with extension 3.2236.

For a surcharge we will supply the Spare Dial Gauge for J 50 with the upper contact point form a, b, c, d or e.

Spare Dial Gauge for J 50 with lifting device	
Reading	0.01 mm
Range	10 mm
Range per revolution	1 mm
Bezel-Ø	58 mm
Stem-Ø	8 h 6
Accuracy according to	DIN 878
	hysteresis fu however not checked
Standard contact point	without
Optional contact points	forms a, b, c, d or e



Table of Contact Force

Model	Standard Force	Reduced Force	Increased Force
J 50 with lifting device	0.8 N	0.6 N	2.0 N
J 50/30 with lifting device	1.5 N	1.2 N	3.0 N
J 100	0.8 N	0.6 N	2.0 N
J 200	1.5 N	1.2 N	3.0 N
J 200/30	1.5 N	1.2 N	3.0 N

Variants with push-on rod and additional weights on request.