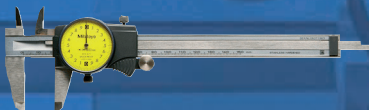


# SALE



**TESA**  
TECHNOLOGY

**Mitutoyo**

**Kroeplin**  
Längenmesstechnik



  
HELIOS • PREISSER

**Leica**  
Geosystems

*Filetta*

precision measuring instruments  
**mechanical - optical - electronical**

Phasing out models  
**While stocks last**  
Revision date: December 2025

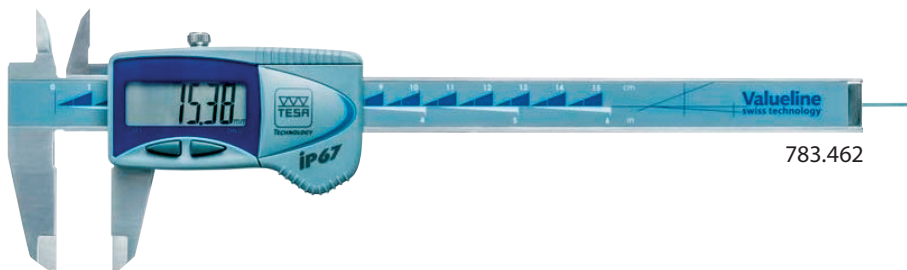
SALE



### TESA Valueline IP67

Digital TESA VALUELINE calipers, affordable alternative with full TESA quality assurance.

- Measuring range: 0 - 200 mm.
- Resolution: 0.01 mm.
- Protection: IP67.



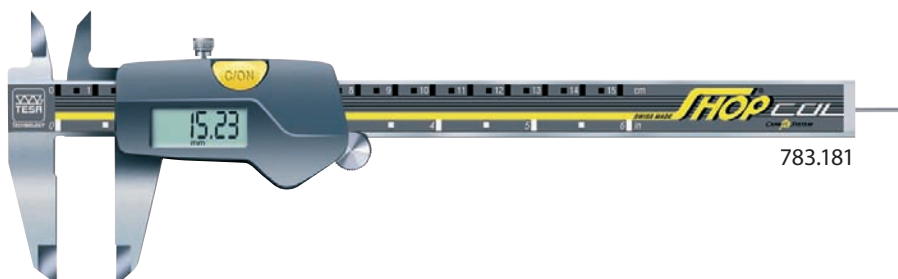
783.462

Item. No.	Measuring range/mm	Depth rod	Thumb wheel	Price EUR
783.462	0 - 150	round	–	<del>Sold out</del>
783.460	0 - 200	flat	✓	<del>148.00</del> 92.00

### TESA Shop-Cal digital $\mu$ calipers

Digital TESA calipers with the patented  $\mu$  measuring system. Original design and an excellent price-performance ratio.

- Measuring range: 0 - 200 mm.
- Resolution: 0.01 mm.
- mm/inch conversion.
- ABS/INC switchable.
- Automatic switch-off.
- Reset.
- Round depth rod:  $\varnothing$  1.5 mm.
- Protection: IP40.
- DIN 862.
- Power supply: 1 battery type CR2032.



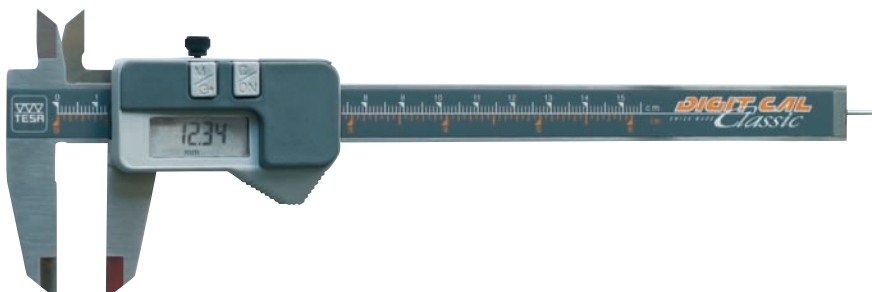
783.181

Item. No.	Measuring range/mm	Jaw length mm	Price EUR
783.181	0 - 150	40	<del>Sold out</del>
783.182	0 - 200	50	<del>141.00</del> 101.00

### TESA DIGIT-CAL caliper

The advantage of these calipers is the one-time setting of the absolute zero position until the battery has to be changed.

- Measuring range: 0 - 150 mm.
- Resolution: 0.01 mm.
- Accuracy:  $\pm$  0.03 mm.
- mm/inch conversion.
- Automatic switch-off.
- Protection: IP40.
- DIN 862.
- Power supply: 1 battery type 2032.
- Battery life: approx. 2 years (2000 working hours/year).



Item. No.	Price EUR
781.827	<del>141.00</del> 46.90

SALE



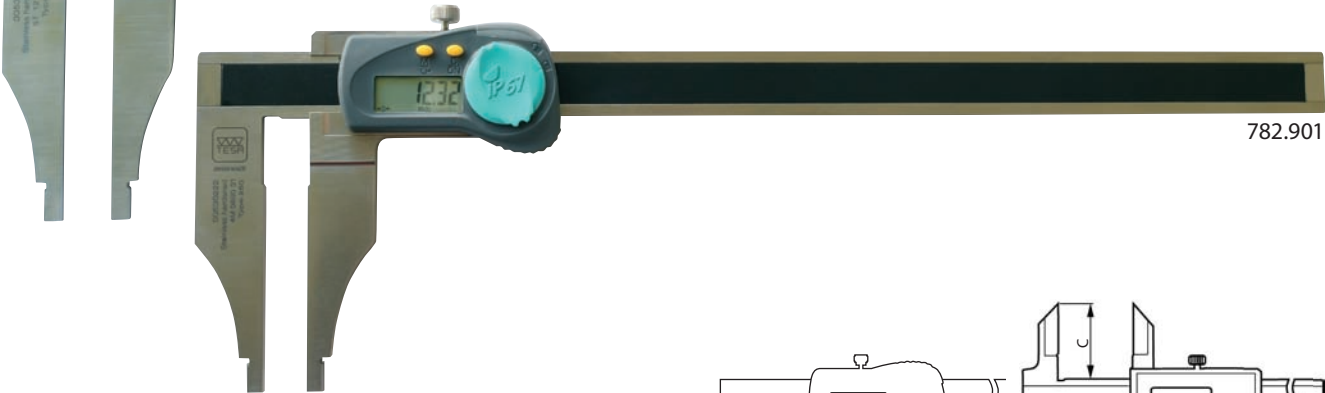
TESA digital workshop calipers IP67

Waterproof and dust proof calipers with measuring ranges up to 250mm. Hardened stainless steel measuring jaws, with rounded jaw ends for external measurements. Available with or without measuring knives for external measurements.

- Measuring range: 0 - 250 mm.
  - Resolution: 0.01 mm.
  - mm/inch conversion.
  - Opto-RS232C data output, bidirectional.
- On/reset switch.
  - Automatic switch-off.
  - Hold function.
  - Max. measuring speed: 1.8 m/s.
  - Protection: IP67.
  - DIN 862.
  - Power supply: 1 battery type CR2032.

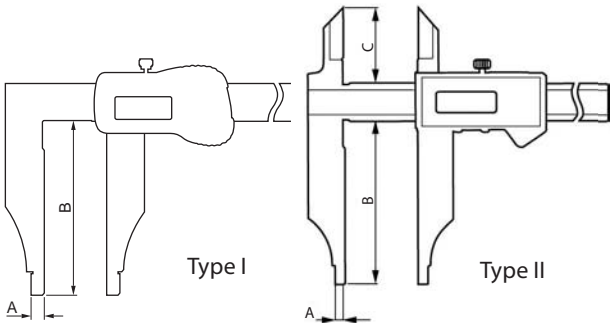


782.908



782.901

Item. No.	Measuring range/mm	Length/mm			Price EUR	
		A	B	C		
<b>Without measuring knives (I):</b>						
<b>782.901</b>	0 - 250	5	80	–	<del>386.00</del>	235.00
<b>With measuring knives for external measurements (II):</b>						
<b>782.908</b>	0 - 200	5	80	30	<del>423.00</del>	226.00



**SALE**



### TESA dial caliper

CCMA-P type stainless steel dial caliper. Can be used in rough working conditions thanks to the highly protective rack cover.

- Measuring range: 0 - 200 mm.
- Graduation: 0.02 mm, 1 revolution = 2 mm.
- Rotatable dial.
- DIN 862.
- Plastic dial housing.

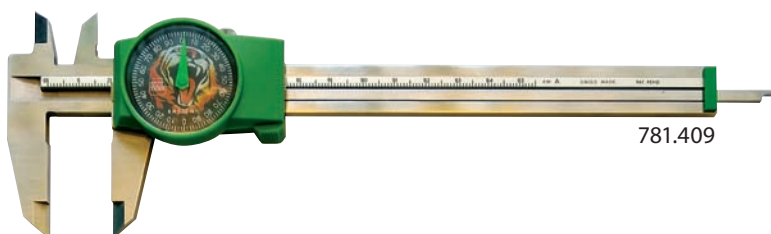


Item. No.	Price EUR	
<b>781.586</b>	<del>163.00</del>	95.00

### TESA dial calipers

Rugged dial calipers model CCMA-P, out of hardened stainless steel and with patented shockproof design. Ideal for use in the workshop.

- Measuring range: 0 - 150 mm.
- Graduation: 0.02 mm, 1 revolution = 2 mm.
- Rotatable dial, ø 32 mm.
- Shockproof.
- DIN 862.
- Plastic dial housing.



781.409

Item. No.	Price EUR	
<b>781.409</b>	<del>77.00</del>	49.00
<b>781.410</b>	<del>77.00</del>	49.00
<b>781.414</b>	<del>77.00</del>	49.00
<b>781.415</b>	<del>77.00</del>	49.00



781.410



781.414

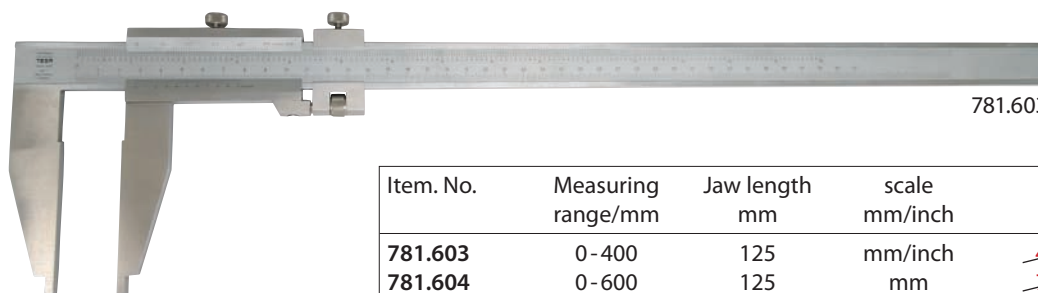


781.415

### Etalon & TESA vernier calipers with large measuring range

Heavy duty stainless steel calipers with no-glare chrome finished scale and vernier.

- Measuring range: 0 - 600 mm.
- Vernier graduation: 0.02 mm or 1/1000 inch.
- DIN 862.
- Rounded jaw ends for internal measurements.
- Fine adjustment.



781.603

Item. No.	Measuring range/mm	Jaw length mm	scale mm/inch	Price EUR	
<b>781.603</b>	0 - 400	125	mm/inch	<del>425.00</del>	270.00
<b>781.604</b>	0 - 600	125	mm	<del>765.00</del>	300.00
<b>779.291</b>	0 - 600	100	mm	<del>1,150.00</del>	358.00



SALE



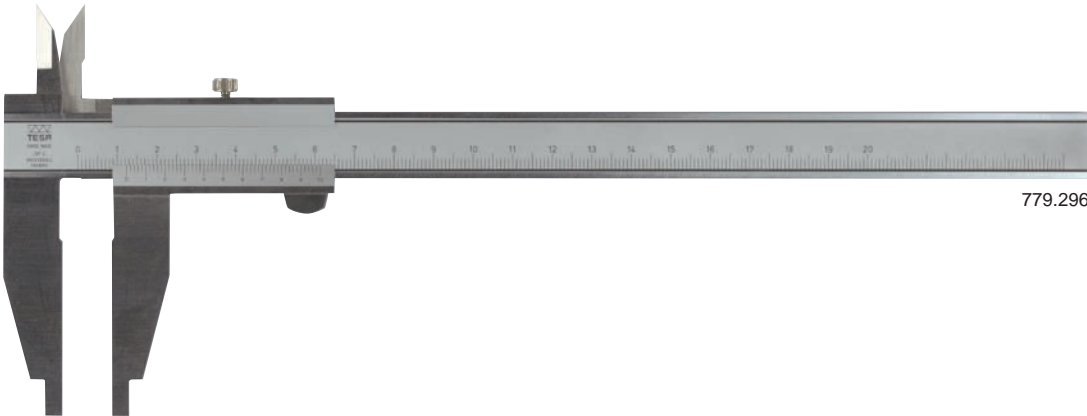
**TESA**  
TECHNOLOGY

TESA workshop calipers

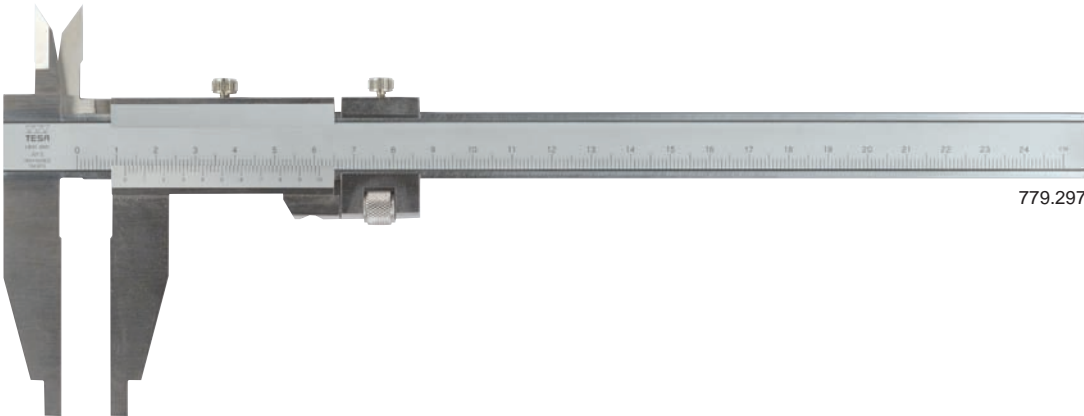
- Measuring range: 0 - 200 mm.
- Vernier: 0.02 mm or 0.02 mm / 1/1000 inch.
- Locking screw.
- Fine adjustment (only 779.297 and 779.338).
- DIN 862.
- Delivered in a wooden case with a declaration of conformity.



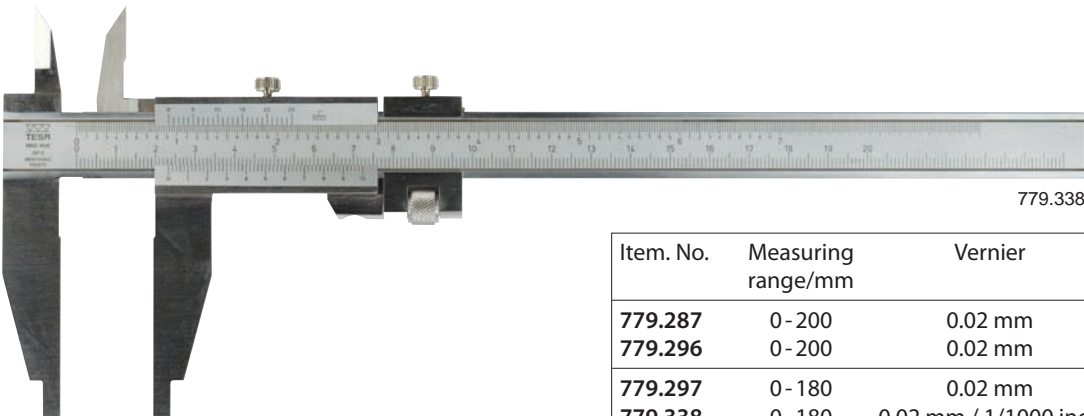
779.287



779.296



779.297



779.338

Item. No.	Measuring range/mm	Vernier	Price EUR	
779.287	0 - 200	0.02 mm	<del>270.00</del>	193.00
779.296	0 - 200	0.02 mm	<del>282.00</del>	202.00
779.297	0 - 180	0.02 mm	<del>335.00</del>	240.00
779.338	0 - 180	0.02 mm / 1/1000 inch	<del>355.00</del>	240.00

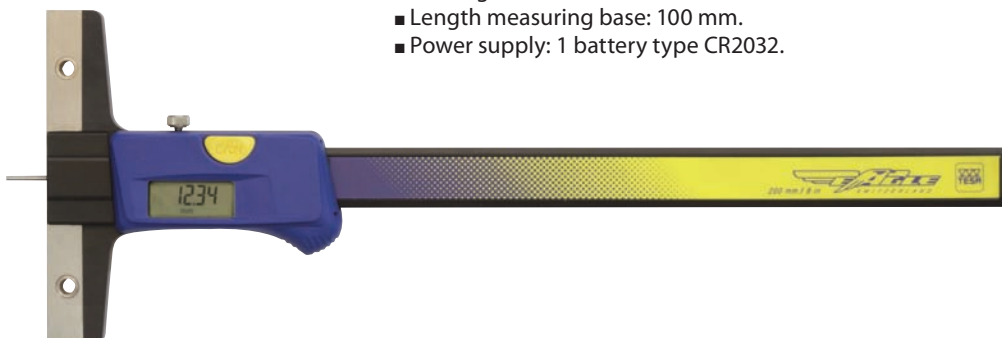
**SALE**



### TESA Eagle depth caliper

- Measuring range: 0 - 200 mm.
- Diameter depth rod: 1.5 mm.
- Resolution: 0.01 mm.
- mm/inch conversion.
- Automatic switch-off.

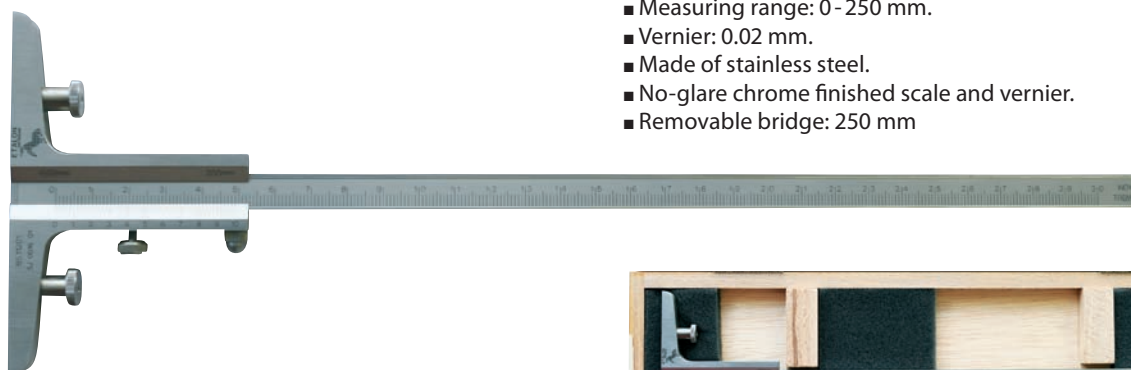
- Reset.
- Locking screw.
- Length measuring base: 100 mm.
- Power supply: 1 battery type CR2032.



Item. No.	Measuring range/mm	Price EUR
781.920	0-200	<del>336.00</del> 227.00

### Etalon depth gauge with removable bridge

- Measuring range: 0 - 250 mm.
- Vernier: 0.02 mm.
- Made of stainless steel.
- No-glare chrome finished scale and vernier.
- Removable bridge: 250 mm

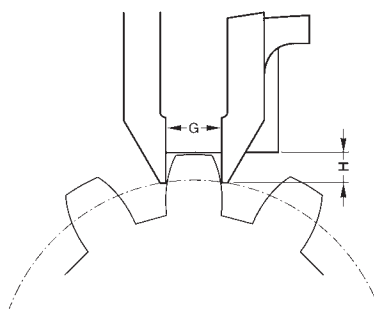
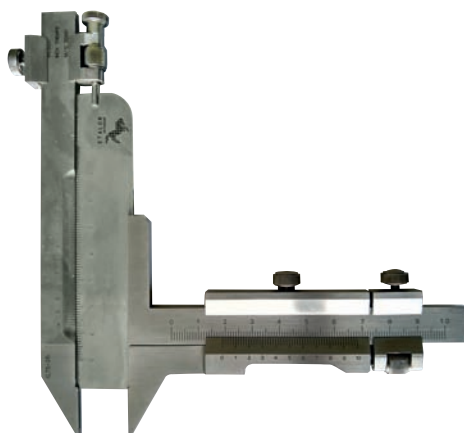


Item. No.	Price EUR
781.749	<del>354.00</del> 238.00

### Etalon gear tooth vernier calipers

The vertical slider sets the height (H) from the top of the tooth to the pitch line. Subsequently, the horizontal slider measures the tooth thickness (G) at the pitch line.

- Measuring range: Module 0.75 - 26.
- Vernier: 0.02 mm.
- Stainless steel, tungsten carbide tipped measuring faces.



Item. No.	Price EUR
781.768	<del>1,047.00</del> 706.00

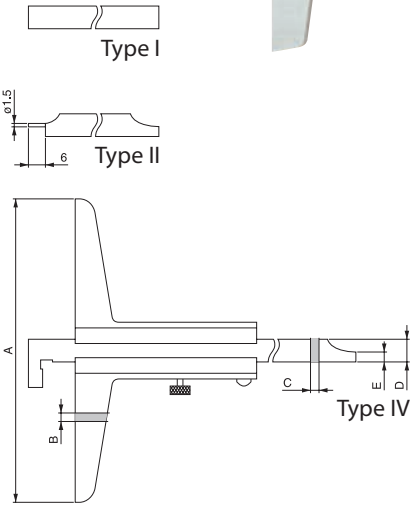
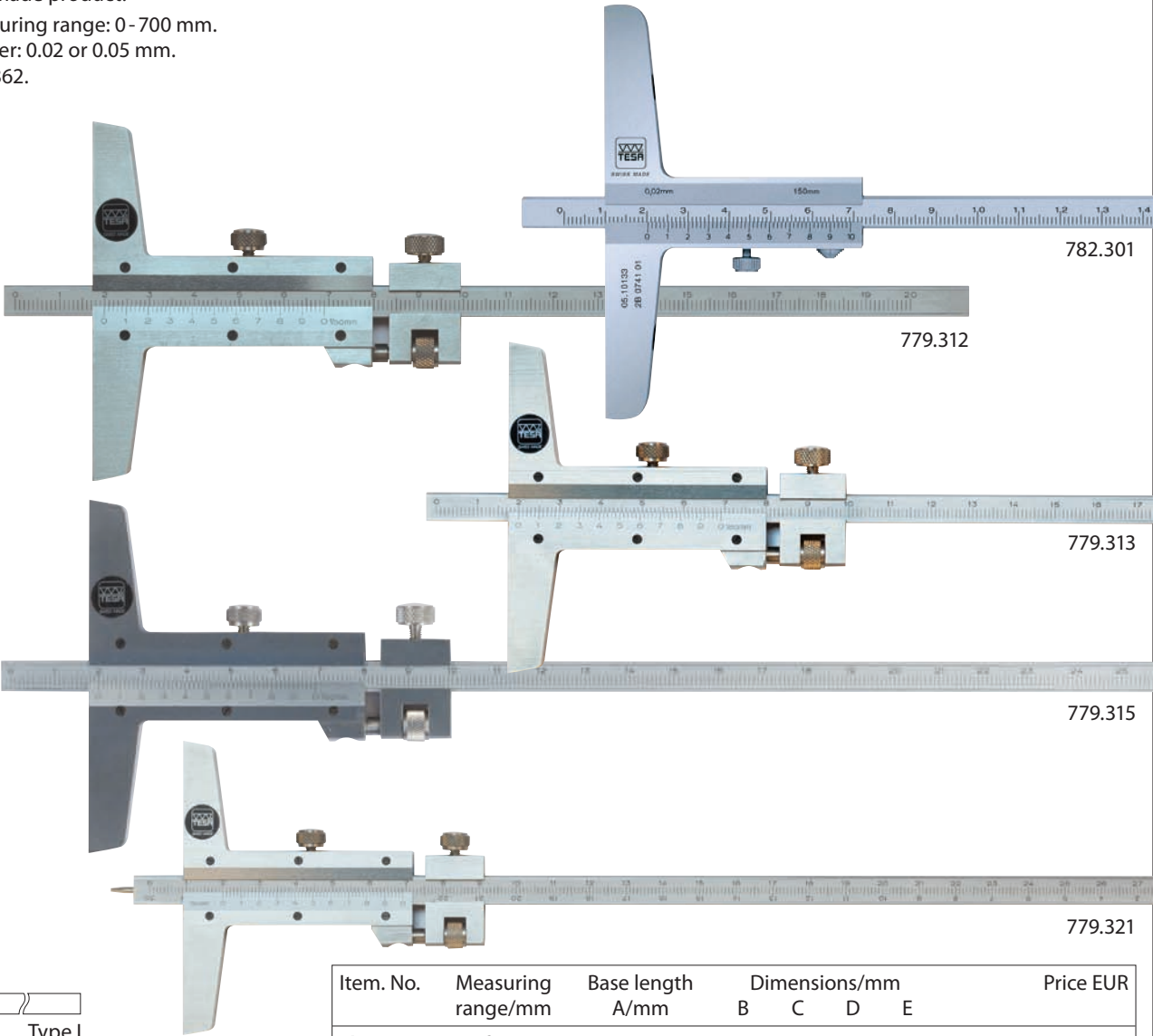
SALE



TESA depth calipers

Hardened stainless steel depth calipers with no-glare chrome finished scale and vernier. Reduced scale section for easy access to difficult measuring points. The main scale is slightly set back for wear protection. Suited for use with removable bridges. Authentic Swiss made product.

- Measuring range: 0 - 700 mm.
- Vernier: 0.02 or 0.05 mm.
- DIN 862.



Item. No.	Measuring range/mm	Base length A/mm	Dimensions/mm				Price EUR
			B	C	D	E	
Flat measuring face (I):							
782.301	0-250	100	7.5	3	8	–	<i>Sold out</i>
Convertible model with a steel tip and a short cut measuring face (II):							
782.305	0-250	100	7.5	3	8	4	<i>Sold out</i>
Convertible models with measuring plate and flat measuring face:							
779.327	0-490	83	–	3	8	–	<del>448.00</del> 302.00
Model with fine adjustment:							
779.317	0-700	150	–	4	7	–	<del>469.00</del> 313.00
Models with fine adjustment (I):							
779.312	0-100	80	–	4	7	–	<del>199.00</del> 142.00
779.313	0-200	80	–	4	7	–	<del>213.00</del> 153.00
779.315	0-400	80	–	4	7	–	<del>153.00</del> 109.00
Model with fine adjustment and steel tip:							
779.321	0-200	80	–	4	7	–	<del>197.00</del> 141.00

# SALE



## TESA instrument set

The most popular measuring instruments in one case, ready for daily use.

- TESA DIGIT-CAL caliper. with *capa μ* system, measuring range: 0 - 150 mm, resolution: 0.01 mm.
- Depth measuring base.
- Digital micrometer, measuring range: 0 - 30 mm, resolution: 0.001 mm.



Item. No.	Type	Price EUR
782.132	DUO-SET 11	<del>358.00</del> 233.00

## TESADIGIT

TESA micrometers are rugged mechanical precision measuring instruments for quick and highly accurate measuring of external dimensions.

- Measuring range: 25 - 100 mm.
- Resolution: 0.001 mm.
- No-glare chrome finished frame.
- Tungsten carbide measuring faces:  $\varnothing$  6.5 mm.
- Metric/inch conversion.
- Adjustable tolerance limits.
- Classification of measured values by means of LCD coloured segments: green = good, yellow = rework and red = reject.
- Hold function for measured values.

- Conforms to DIN 863/1 specifications.



Item. No.	Measuring range/mm	Price EUR
781.332	0 - 25	<del>Sold out</del>
781.333	25 - 50	<del>410.00</del> 190.00
781.334	50 - 75	<del>490.00</del> 220.00
781.335	75 - 100	<del>546.00</del> 250.00

## TESADIGIT with small measuring faces

TESA micrometers are rugged mechanical precision measuring instruments for quick and highly accurate measuring of external dimensions. For measuring hard-to-reach measuring points such as grooves.

- Measuring range: 0 - 17 mm.



Item. No.	Price EUR
781.424	<del>361.00</del> 243.00

SALE



TESA Swissmaster

- Measuring range: 50 - 75 mm.
- Vernier: 0.002 mm.
- Friction drive thimble mechanism helps provide uniform pressure for precise, repeatable measurement.
- Satin chrome finish on thimble and sleeve helps resist rust and reduce glare.
- Tungsten carbide measuring faces:  $\varnothing$  6 mm.
- DIN 863 T1.
- Delivery with adjustment tool.



Item. No.	Measuring range/mm	Price EUR
779.003	50 - 75	<del>132.00</del> 94.00

TESA Digitmaster

- Measuring range: 50 - 100 mm.
- Vernier: 0.002 mm, parallax-free.
- Friction drive thimble mechanism helps provide uniform pressure for precise, repeatable measurement.
- Satin chrome finish on thimble and sleeve helps resist rust and reduce glare.
- Tungsten carbide measuring faces:  $\varnothing$  6 mm.
- DIN 863 T1.
- Delivery with adjustment tool.



781.237

Item. No.	Measuring range/mm	Price EUR
781.237	50 - 75	<del>289.00</del> 195.00
781.238	75 - 100	<del>306.00</del> 206.00

Etalon Microrapid 226

- High precision micrometers.
- Measuring range: 0 - 50 mm.
- Graduation: 0.001 mm.
- One revolution equals 1 mm.
- Fast, accurate reading.
- No reading error of the millimeter fractions.
- Barrel with scale to 1 mm.
- Thimble with 100 graduations and vernier reading to 0.001 mm.
- Tungsten carbide measuring faces:  $\varnothing$  6.5 mm.



781.577



781.576

Item. No.	Measuring range/mm	Price EUR
781.576	0 - 25	<del>364.00</del> 260.00
781.577	25 - 50	<del>444.00</del> 317.00



**SALE**



### TESA special-purpose micrometer



Item. No.	Measuring range/mm	Read-out mm	Price EUR
779.017	0 - 25	0.01	<del>342.00</del> 245.00

### TESA CLASSICMASTER

- Measuring range: 50 - 75 mm.
- Graduation: 0.01 mm.
- DIN 863 T1.
- Delivery in a case with adjustment tool.



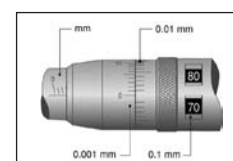
Item. No.	Price EUR
781.745	<del>154.00</del> 104.00

### TESAMASTER

- Measuring range: 150 - 300 mm.
- Vernier: 0.001 mm, parallax-free.
- Accuracy:  $\pm 0.008$  mm.
- Counter resolution: 0.1 mm.
- Tungsten carbide measuring faces:  $\varnothing 8$  mm.
- Varnished frame and chrome finished thimble.
- DIN 863 T1.
- Delivery with adjustment tool.



Item. No.	Measuring range/mm	Price EUR
779.011	150 - 175	<del>534.00</del> 382.00
779.215	225 - 250	<del>728.00</del> 473.00
779.015	250 - 275	<del>682.00</del> 488.00
779.217	275 - 300	<del>647.00</del> 463.00



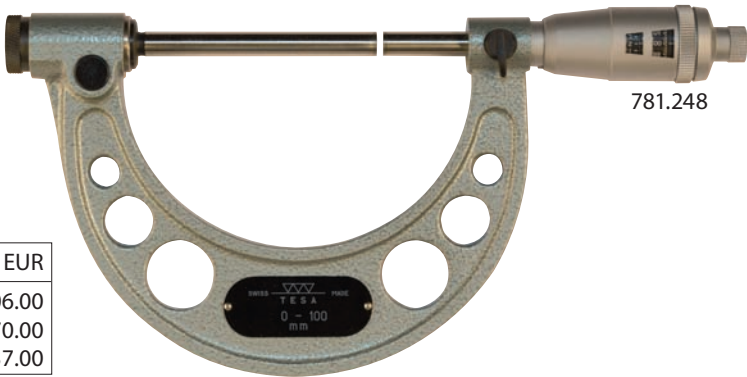
SALE



Micrometers with a large measuring range

Micrometers with numerical counter for easy reading. With two spacers for a large measuring span.

- Measuring range: 0 - 300 mm.
- Measuring span: 100 mm (travel 25 mm, spacers 25, 50 and 75 mm).
- Graduation: 0.01 mm.
- Matt chrome-plated thimble.
- DIN 863 T3.
- Numerical counter.



Item. No.	Measuring range/mm	Price EUR
781.248	0 - 100	<del>602.00</del> 406.00
781.249	100 - 200	<del>697.00</del> 470.00
781.250	200 - 300	<del>797.00</del> 537.00

TESA wire and ball micrometer

- Measuring range: 0 - 10 mm.
- Graduation: 0.01 mm.
- Accuracy:  $\pm 0.004$  mm.
- No-glare chrome finished frame and thimble.
- 2 flat surfaces for supporting the wires.
- DIN 863 T3.

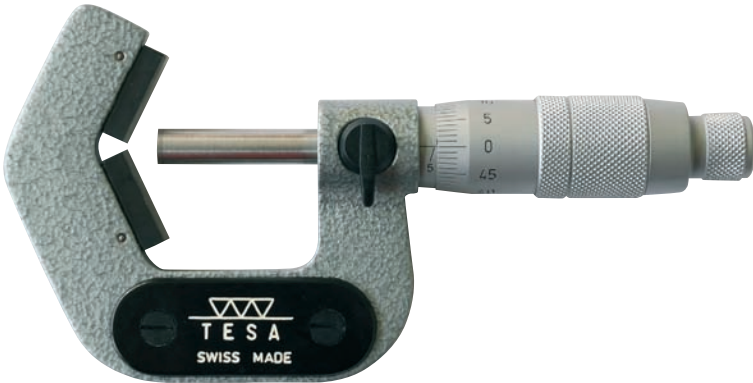


Item. No.	Price EUR
779.101	<del>310.00</del> 202.00

TESA micrometer with prismatic anvil

TESA Isomaster with prismatic anvil for measuring objects with an uneven number of grooves and determining roundness errors on cylindrical surfaces. The angle of the prism aperture is designed for workpieces having a number of 7 flutes.

- Measuring range: 5 - 25 mm.
- Graduation: 0.01 mm.
- Accuracy:  $\pm 0.004$  mm.
- For 7-fluted objects, 128° V-angle.
- DIN 863 T3.



Item. No.	Price EUR
779.248	<del>375.00</del> 165.00

# SALE



## TESA Digitmaster screw thread micrometer

- Measuring range: 0 - 25 mm.
- Vernier: 0.002 mm, parallax-free.
- Friction drive thimble mechanism helps provide uniform pressure for precise, repeatable measurement.
- Satin chrome finish on thimble and sleeve helps resist rust and reduce glare.
- DIN 863 T1.
- Delivery with adjustment tool, but without measuring inserts.



Item. No.	Measuring range/mm	Price EUR
781.251	0 - 25	<del>329.00</del> 222.00

## TESA measuring inserts for screw thread micrometers

Measuring inserts for screw thread micrometers. Works with TESA and Mitutoyo screw thread micrometers.



779.150

Item. No.	threads per inch	Price EUR
<b>Measuring inserts for Whitworth threads, 55° flank angle, per pair:</b>		
779.191	14 - 10	<del>93.00</del> 66.00

Item. No.	threads per inch	Price EUR
<b>Measuring inserts for UN, UNC and UNF threads, 60° flank angle, per pair:</b>		
779.178	42 - 25	<del>95.00</del> 68.00
779.179	25 - 17	<del>95.00</del> 68.00

Item. No.	Length/mm	Price EUR
<b>Hardened steel setting standards for threads with 60° flank angle:</b>		
779.150	25	<del>203.00</del> 145.00
779.151	50	<del>230.00</del> 164.00

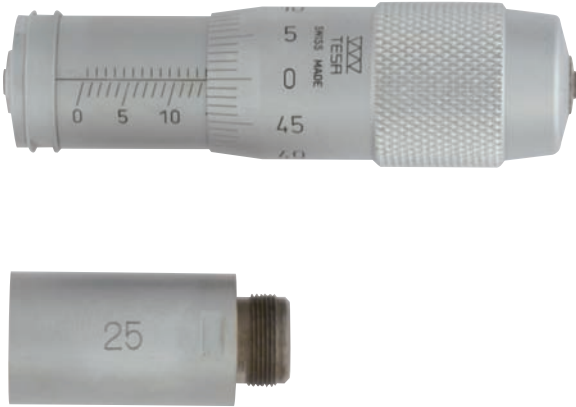
Item. No.	Pitch/mm	Price EUR
<b>Measuring inserts for metric threads, 60° flank angle, per pair:</b>		
779.138	0.5 - 0.6	<del>93.00</del> 66.00
779.139	0.6 - 0.8	<del>93.00</del> 66.00
779.140	0.8 - 1.0	<del>93.00</del> 66.00
779.141	1.0 - 1.25	<del>93.00</del> 66.00
779.142	1.25 - 1.5	<del>93.00</del> <b>Sold out</b>
779.147	4.0 - 5.0	<del>93.00</del> 66.00
<b>Set</b>		
779.149	0.4 - 6.0	<del>882.00</del> 631.00

SALE



TESA stick micrometer set

- Measuring range: 25 - 100 mm.
- Graduation: 0.01 mm.
- Tungsten carbide measuring faces.
- Delivered in a wooden case.



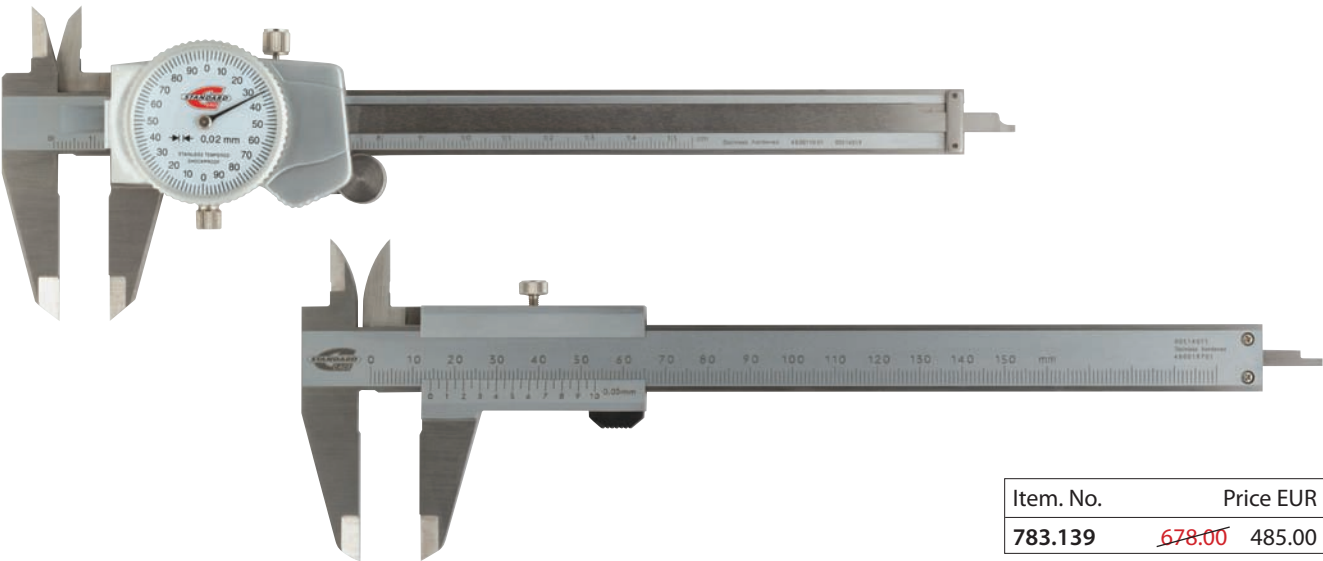
Item. No.	Price EUR
779.885	<del>374.00</del> 252.00

TESA Standard Gage demo case

A set of various measuring instruments in a hard plastic case.

Set consists of:

- Dial caliper 0 - 150 mm, graduation 0.01 mm.
- Vernier caliper 0 - 150 mm, graduation 0.05 mm.
- Digital caliper 0 - 150 mm, mm/inch convertible with thumbwheel and round depth rod, resolution 0.001 mm.
- Digital caliper 0 - 150 mm with round depth rod, resolution 0.001 mm.
- Analog 3 point internal micrometer 16 - 20 mm, graduation 0.005 mm.
- Analog micrometer 0 - 25 mm, graduation 0.01 mm.
- Micrometer with counter 0 - 25 mm, resolution 0.001 mm.
- Digital micrometer 0 - 25 mm, resolution 0.001 mm.
- Dial indicator 0 - 3 mm, graduation 0.01 mm.
- Dial indicator 0 - 10 mm, graduation.
- Setting ring 16.004 mm.
- Depth measuring base for calipers, 76 x 30 mm.



Item. No.	Price EUR
783.139	<del>678.00</del> 485.00

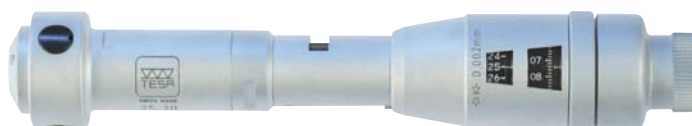
**SALE**



### TESA IMICRO

The Imicro measuring system has a unique combination of a threaded cone and three measuring arms. This makes the TESA Imicro a highly accurate measuring instrument. Easy read-out at 0.01 mm by means of the counter mechanism.

- Measuring range:  $\varnothing$  25 - 300 mm.
- Graduation: 0.01 mm.
- Numerical counter.
- Measuring faces: tungsten carbide.
- DIN 863 T4.



779.521



779.559



779.560



779.566

Item. No.	Measuring range/mm	Price EUR	
779.521	25 - 30	<del>394.00</del>	266.00
779.559	125 - 150	<del>739.00</del>	498.00
779.560	150 - 175	<del>756.00</del>	510.00
779.561	175 - 200	<del>774.00</del>	522.00
779.566	200 - 225	<del>987.00</del>	666.00
779.567	225 - 250	<del>1,017.00</del>	685.00
779.568	250 - 275	<del>1,047.00</del>	706.00
779.569	275 - 300	<del>1,078.00</del>	727.00



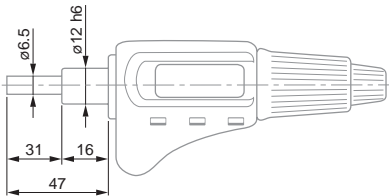
SALE



TESA micrometer heads

TESA micrometer heads serve as built-in components on measuring systems, microscopes and other measuring instruments.

- Measuring range: 0 - 30 mm.
  - Clamping stem:  $\varnothing 12\text{h6}$  mm (length: 16 mm).
  - Tungsten carbide measuring face.
  - DIN 863 T2.
  - Resolution: 0.001 mm.
  - mm/inch conversion.
  - ABS/INC switchable.
  - Opto-RS232C data output.
  - Automatic switch-off.
  - Reset/preset.
- Delivered in a plastic case with a manufacturer measuring report.
  - Power supply: 1 battery type CR2032.



Item. No.	Type	Measuring range/mm	Graduation mm	Accuracy mm	Spindle $\varnothing$ /mm	Mounting	Price EUR
782.109	Micromaster	0 - 30	0.001	$\pm 0.003$	6.5	right-left	<del>Sold out</del>
782.110	Micromaster	30 - 0	0.001	$\pm 0.003$	6.5	right-left	<del>447.00</del> 320.00

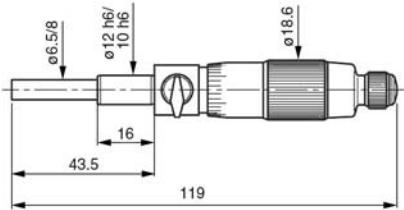
Etalon micrometer head

Etalon micrometer heads serve as built-in components on measuring systems, microscopes and other measuring instruments.

- Measuring range: 0 - 25 mm.
  - Vernier: 0.002 mm.
  - Accuracy:  $\pm 0.003$  mm.
  - Clamping stem:  $\varnothing 10\text{h6}$ .
- Spindle:  $\varnothing 6.5$  mm.
  - Tungsten carbide measuring face.
  - Locking screw.
  - DIN 863 T2.



Item. No.	Price EUR
781.584	<del>224.00</del> 146.00



TESA IMICRO SM

The IMICRO SM combines the unique measuring cone of the IMICRO with an electronic measuring system.

- Measuring range:  $\varnothing 8 - 100$  mm.
- Resolution: 0.001 mm.
- $\varnothing 17 - 100$  mm: measuring faces with extremely high wear resistant coating.

Measuring heads

Item. No.	Measuring range/mm	Price EUR
781.368	$\varnothing 8 - 10$	<del>282.00</del> 190.00
781.369	$\varnothing 10 - 12$	<del>284.00</del> 191.00
781.372	$\varnothing 17 - 20$	<del>335.00</del> 226.00
781.374	$\varnothing 25 - 30$	<del>379.00</del> 232.00
781.375	$\varnothing 30 - 35$	<del>384.00</del> 236.00
781.376	$\varnothing 35 - 40$	<del>390.00</del> 239.00
781.378	$\varnothing 50 - 60$	<del>540.00</del> 364.00
781.382	$\varnothing 90 - 100$	<del>573.00</del> 386.00



**SALE**


### Etalon 532 Internal Micrometer

This micrometer is designed for measurements with 2-point contact.

Extensions with built-in gauge rods can be used to increase the measuring range.

- Measuring range: 50 - 1010 mm.
- Extensions: 15, 30, 60, 120, 240, and 480 mm.
- Tungsten carbide tipped.
- Delivered in luxurious wooden case.



Item. No.	Price EUR	
782.173	<del>1,924.00</del>	1,376.00

### TESA stick micrometer set

- Measuring range: 4 - 32 inch.
- Graduation: 1/100 inch.
- Locking screw.
- Tungsten carbide measuring faces.
- Delivered in a wooden case.



Item. No.	Price EUR	
779.892	<del>1,224.00</del>	825.00

### Extensions for Etalon Intalometer three-point internal micrometers

Etalon three-point internal micrometers are specially suited for fast and accurate measurements of the diameter of blind bores.

- Measuring range:  $\varnothing$  12.5 - 15 mm.
- Vernier: 0.002 mm.
- Angle of the measuring arms:  $\varnothing$  10 - 20 mm:  $3 \times 120^\circ$ .
- Hardened steel measuring faces.
- DIN 863 T4 (from 10 to 100 mm).
- Delivery in a case with an inspection report and a declaration of conformity.



836.224



836.225



836.227

#### Extensions

Item No.	Extension mm	For measuring range/mm	Price EUR	
836.224	100	$\varnothing$ 5 - 10	<del>176.00</del>	126.00
836.225	150	$\varnothing$ 10 - 20	<del>213.00</del>	152.00
836.227	150	$\varnothing$ 40 - 100	<del>264.00</del>	189.00

SALE



Digital dial indicators TESA Digico

Digital dial indicators with digital and digital-analog read-out. Authentic Swiss made product.

- Measuring range: 0 - 25 mm.
- Resolution: 0.01 or 0.001 mm.
- mm/inch conversion (except 783.081).
- USB/RS232C data output.
- Automatic switch-off.
- Absolute mode (spindle position is also read after automatic switch-off).
- Reset.
- Measuring force: ≤ 2.0 N.
- Dial diameter: 57 mm.
- Reversible measuring direction.
- Adjustable tolerance markers.
- Key lock function.
- DIN 878.
- Power supply: 1 battery type CR2032.

TESA Digico 400/500

The 270° rotatable display guarantees an ideal read-out in any position.

- Preset.
- Overall reset.
- ABS/INC switchable.
- Numerical tolerance limits.
- Function for dynamic measurements (min, max, max-min).



783.143

Item. No.	Type	Measuring range/mm	Resolution mm	Accuracy mm	Price EUR
<b>TESA Digico 200/300:</b>					
783.081	305 M	0 - 12.5	0.001	± 0.008	<i>Sold out</i>
<b>TESA Digico 400/500:</b>					
781.708	405 MI	0 - 12.5	0.01	± 0.02	<del>388.00</del> 277.00
783.143	510 MI	0 - 25	0.001	± 0.005	<i>Sold out</i>

Digital dial indicator TESA Digico

Digital dial indicators with digital read-out and high measuring range. Authentic Swiss made product.

- Measuring range: 0 - 100 mm.
- Resolution: 0.001 mm.
- mm/inch conversion.
- USB/RS232C data output.
- Automatic switch-off.
- Reset.
- Dial diameter: 57 mm.
- DIN 878.
- Power supply: 1 battery type CR2032.



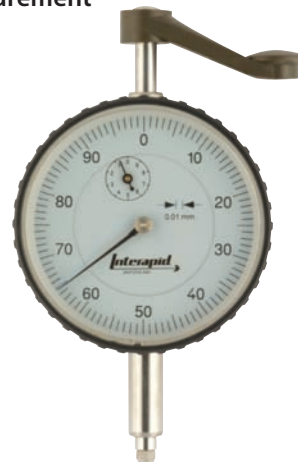
Item. No.	Price EUR
781.714	<del>1,263.00</del> 950.00

# SALE



## Interapid dial indicator with reverse measurement

- Measuring range: 0 - 10 mm.
- Graduation: 0.01.
- Clamping stem:  $\varnothing$  8 mm.
- Dial diameter: 55.6 mm.
- 1 pointer revolution = 1 mm.
- Scale numbering: 100-0 mm.
- Flat back.
- DIN 878.
- Handle for lowering contact point.



Item. No.	Measuring range/mm	Price EUR
781.889	0 - 10	<del>165.00</del> 118.00

## TESA dial indicators 0.01 and 0.001 mm

TESA precision dial indicators with a high accuracy and a special construction guaranteeing a very long life.

- Measuring range: 0 - 10 mm.
- Graduation: 0.01 or 0.001 mm.
- Clamping stem:  $\varnothing$  8 mm.
- Rotatable dial with adjustable tolerance markers.
- Shockproof, except 781.683.
- Flat back.
- DIN 878.
- Delivery with an inspection report and a declaration of conformity.

Item. No.	Measuring range/mm	Dial $\varnothing$ /mm	Scale numbering	Price EUR
<b>Graduation 0.01 mm:</b>				
781.686 <sup>1</sup>	0 - 10	58	0 - 100	<del>283.00</del> 194.00
<b>Graduation 0.01 mm, protection IP54:</b>				
781.683 <sup>1</sup>	0 - 5	40	0 - 50	<del>147.00</del> 96.00
779.925 <sup>2</sup>	0 - 5	40	0 - 50	<del>364.00</del> 225.00
<b>Graduation 0.001 mm, protection IP54:</b>				
781.685 <sup>1</sup>	0 - 1	40	0 - 100	<del>310.00</del> 202.00

<sup>1</sup> Clamping stem and measuring pin out of hardened stainless steel.

<sup>2</sup> With retraction device facility and dial lock.



779.925



781.685

## TESA Dial indicator

- Measuring range: 0 - 10 mm.
- Graduation: 0.01.
- Clamping stem:  $\varnothing$  8 mm.
- Dial diameter: 55.6 mm.
- 1 pointer revolution = 1 mm.
- Scale numbering: 0-1.
- Back with lug.
- DIN 878.



Item. No.	Measuring range/mm	Price EUR
779.950	0 - 10	<del>204.00</del> 138.00

SALE



**TESA**  
TECHNOLOGY

**Interapid inclinable magnetic support**

Model with strong holding force.

- Magnetic force: 1000 N.
- With V-base.
- Arm length: 240 mm.
- V-base for  $\varnothing$ , mm: 70 / 220.
- With fine adjustment.
- Base dimensions: 70 x 60 x 50.



Item. No.	Price EUR	
783.188	<del>1,164.00</del>	833.00

**TESA measuring stand**

- Clamping Shaft:  $\varnothing$  8 mm.
- Arm length: 200 mm.
- Ground base with T-groove, 200 x 55 x 35 mm.
- Mechanical clamping device.

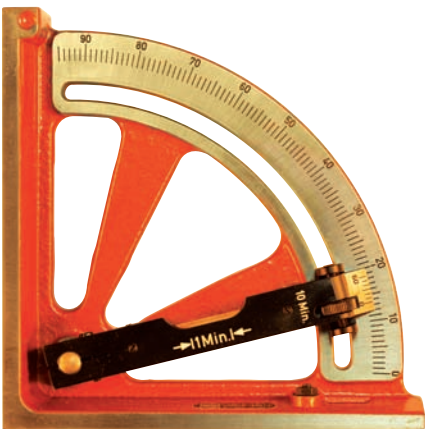


Item. No.	Price EUR	
780.100	<del>487.00</del>	329.00

**TESA vernier clinometer**

Clinometer with two ground bases with V-groove. Vial holder with vernier and fine adjustment.

- Measuring range: 0 - 90°.
- Vernier: 10'.
- Graduation vial: 1'.
- Dimensions: 150 x 150 x 40 mm.
- Base with V-groove.



Item. No.	Price EUR	
781.473	<del>2,886.00</del>	2,060.00



**SALE**

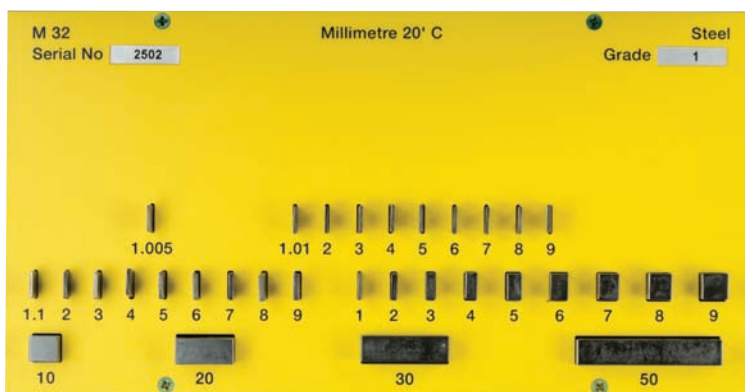


### Etalon steel gauge blocks

High quality steel gauge blocks, can easily be wrung together to make a combination size.

- Cross-section: 0.5 - 10 mm: 30×9 mm,  
> 10 mm: 35×9 mm.
- ISO 3650/1.

- Delivery with a SCS certificate (dated 2001).
- Sets delivered in luxurious wooden case.



Item. No.	Price EUR	
<b>781.930</b>	<del>1,029.00</del>	550.00

### TESA long gauge block 125 mm

High quality Swiss made long steel gauge block. Block has two coupling holes at both ends so that they can be coupled by means of a toggle clamp.

- ISO 3650 class 1.
- Delivered in luxurious wooden case.



Item. No.	Price EUR	
<b>826.915</b>	<del>779.00</del>	230.00

SALE

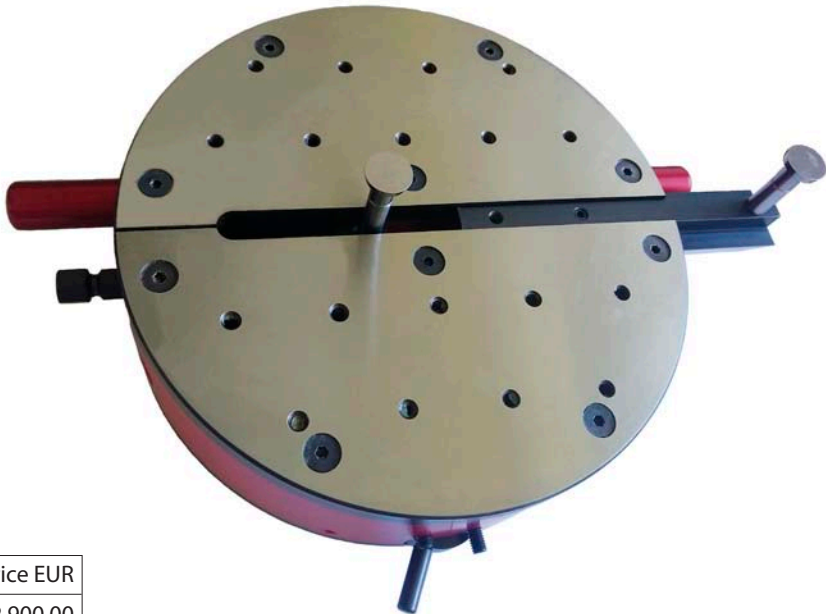


**TESA**  
TECHNOLOGY

**TESA QUICK-CONTROL 350 C2**

This versatile shop tool allows 2-point measurement of part series using one mobile insert coupled with the sensor plus another fixed one fitted with a clamp for mounting a dial gauge, precision indicator or axial probe having a 8 mm dia. clamping shaft.

- Measuring range:  
external dia. 0 - 350 mm,  
internal dia. 47 - 430 mm.
- Adjustable measuring force: 0 - 15 N.
- Reversible measurement direction.
- Measuring repeatability:  $\pm 2 \mu\text{m}$  (excl. dial indicator and when using standard inserts).
- The large number of bolt holes ensure many mounting possibilities.
- Read out by means of a dial indicator, digital indicator or probe (to be ordered separately) with 8 mm dia. stem.
- Solid base with hardened and ground steel supporting table.
- Complete set for TESA QUICK-CONTROL 350 C2
  - 1 Pair of short standard inserts,  $\varnothing 23 \text{ mm}$ .
  - 1 Pair of long standard inserts,  $\varnothing 23 \text{ mm}$ .
  - 1 Fixed insert holder with a 12 mm clamping bore, L = 60 mm.
  - 1 Fixed insert holder with a 12 mm clamping bore, L = 200 mm.
  - 1 Pair of short inserts  $\varnothing 30 \text{ mm}$ .
  - 1 Pair of long inserts  $\varnothing 30 \text{ mm}$ .
  - 1 Pair of adapters, shaft  $\varnothing 5 \text{ mm}$ .



Item. No.		Price EUR
781.420	<del>7,030.00</del>	2,900.00

**TESA TWIN-STATION Receiver**

TWIN-STATION: Receiver for wireless TLC-TWIN emitter-receiver units. Receives input signals from wireless TLC-TWIN emitter-receiver units. Output signals - digital, RS232

- Direct connection to a PC via the USB port.
- Optimal use for your measuring tasks as up to 48 instruments equipped with TLC-TWIN can be connected to this unit.
- Great reliability.



Item. No.		Price EUR
783.314	<del>430.00</del>	359.00

**SALE**

## Mitutoyo

### Mitutoyo Absolute Digimatic Solar calipers IP67

- Measuring range: 0 - 150 mm.
- Resolution: 0.01 mm.
- Digimatic data output (only 500.778).

- Reset.
- Flat depth rod
- Illumination: minimal 60 lux.
- Protection: IP67.
- DIN 862.
- Delivery in a case.



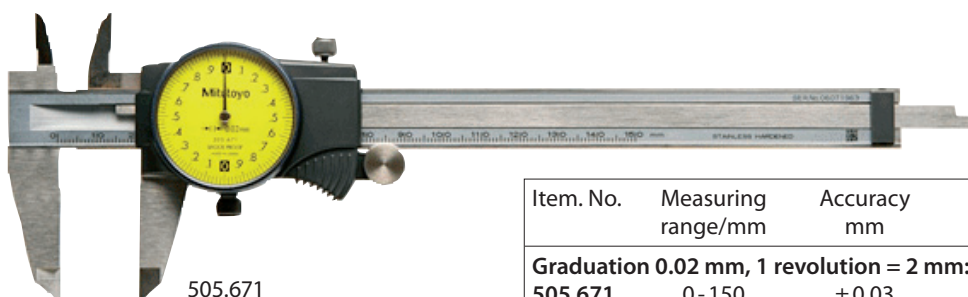
Item. No.	Measuring range/mm	Price EUR
500.772	0 - 150	<del>198.00</del> Sold out
500.792	0 - 150	167.00
500.778	0 - 150	<del>198.00</del> Sold out

### Mitutoyo dial calipers

Mitutoyo dial calipers, made of special corrosion-free steel, with hardened and lapped measuring faces and protected rack. The slider is titanium coated.

- Measuring range: 0 - 300 mm.
- Graduation: 0.02 mm.

- Titanium coating is applied to the sliding surfaces (except for 0 - 300 mm model).



Item. No.	Measuring range/mm	Accuracy mm	Price EUR
<b>Graduation 0.02 mm, 1 revolution = 2 mm:</b>			
505.671	0 - 150	±0.03	<del>95.00</del> 68.00
505.672	0 - 200	±0.03	<del>195.00</del> 139.00
505.673	0 - 300	±0.04	<del>294.00</del> 210.00

### Mitutoyo Absolute Digimatic Quick Micrometer

- Resolution: 0.001 mm.
- Digimatic data output.
- On/off switch.
- Reset/preset.
- Hold function.
- Max. measuring speed: unlimited.
- 1 revolution of the thimble = 10 mm.
- Flatness measuring faces: ≤ 0.3 µm.
- Parallelism measuring faces: ≤ 2.0 µm.
- Non-rotating spindle.
- Ground and lapped tungsten carbide measuring faces:
  - ø 6.35 mm.
- Varnished frame.

- Conforms to factory standard.
- Delivery in a case.
- Power supply: 1 battery type V357.



Item. No.	Measuring range/mm	Accuracy mm	Measuring force/N/mm	Digimatic output	Price EUR
<b>With adjustable measuring force:</b>					
227.202	0 - 15	±0.002	0.001	yes	<del>992.00</del> 702.00

SALE

Mitutoyo

Mitutoyo QuantuMike micrometers IP65

These digital *Coolant Proof* micrometers have an IP65 classification and are therefore not only resistant to dust but can also withstand water jets and splashing coolant. The revolutionary *QuantuMike* has a spindle pitch of 2 mm. The spindle feed is therefore 4x faster compared to a standard micrometer.

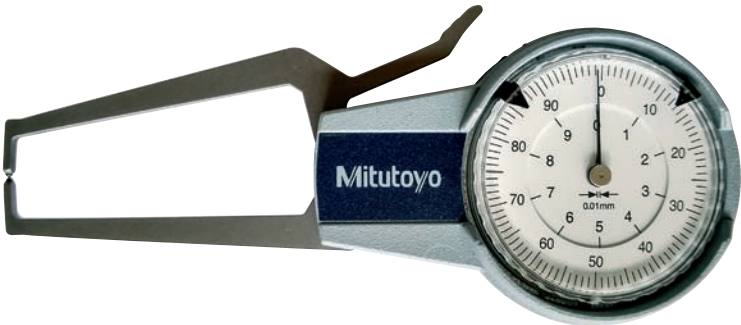
- Measuring range: 0 - 25 mm and 75 - 100 mm.
  - Resolution: 0.001 mm.
  - ABS/INC switchable.
  - Automatic switch-off.
  - Reset.
  - ABS reset by means of origin.
  - Hold function.
- 1 revolution of the thimble = 2 mm.
  - Tungsten carbide measuring faces:  $\varnothing 6.35$  mm.
  - Varnished frame with insulating grip.
  - Protection: IP65.
  - Conforms to factory standard.
  - Power supply: 1 battery type V357.



Item. No.	Measuring range/mm	Accuracy mm	Price EUR
293.145	0 - 25	$\pm 0.001$	<del>269.00</del> 192.00
293.148	75 - 100	$\pm 0.002$	<del>504.00</del> 360.00

Mitutoyo external measuring instrument

- Measuring range: 0 - 10 mm.
- Graduation: 0.01 mm.
- Accuracy:  $\pm 0.02$  mm.
- Measuring force:  $\leq 1.3$  N.



Item. No.	Price EUR
209.659	<del>401.50</del> 353.00

**SALE**

# Mitutoyo

## Mitutoyo dial indicator 0.01 mm

A multi-revolution dial indicator suited to general measurement applications. The dual-reading scale aids measurements in both directions.

- Measuring range: 0 - 10 mm.
- Graduation: 0.01 mm.
- Accuracy:  $\pm 0.013$  mm.
- Measuring force:  $\leq 1.4$  N.
- 1 pointer revolution = 1 mm.
- Scale numbering: 0 - 100 (100 - 0).
- Clamping stem:  $\varnothing 8$  mm.
- Rotatable dial with locking screw and adjustable tolerance markers.
- Back with lug.



Item. No.	Price EUR	
204.610	<del>64.00</del>	47.00

## Mitutoyo internal measuring instrument

Mitutoyo offers a complete selection of Bore Gages, all of them with interchangeable anvils and necessary accessories to perform close tolerance ID measurements

- Measuring range: 18 - 35 mm.
- Graduation: 0.001 mm.
- Most popular Bore Gages.
- Carbide-tipped contact points for durability.
- The dial indicator is fully protected by a rugged cover.
- Optional extension rods can be attached for measuring deep holes.
- Economy Bore Gage Sets are also available.



Item. No.	Price EUR	
511.167	<del>298.30</del>	200.00

## Mitutoyo lever-type dial test indicator 0.01 mm

This dial test indicator is able to measure in both directions without having to switch direction.

- Measuring range: 0.8 mm.
- Graduation: 0.01 mm.
- Accuracy:  $\pm 0.008 f_{ges}$  /mm.
- Measuring force:  $\leq 0.3$  N.
- Scale numbering: 0 - 40 - 0.
- Clamping stem:  $\varnothing 8$  mm.



Item. No	Price EUR	
513.284	<del>113.00</del>	81.00



SALE

Mitutoyo

Mitutoyo Holtest three-point internal micrometers

Three-point internal micrometers for quick and accurate measurement of internal dimensions, within a large measuring range. These instruments have an improved ratchet mechanism and the application of high-quality materials ensures a long life span.

- Measuring range:  $\varnothing$  20 - 35 mm.
- Analog: graduation 0.005 mm.
- Tungsten carbide cone and contact point of the spindle.
- No-glare chrome finished thimble.
- DIN 863 T4.
- Delivery in a case.
- With numerical counter (368.308 only)

Item. No.	Measuring range/mm	Accuracy mm	Price EUR	
368.706	$\varnothing$ 20 - 25	$\pm 0.003$	<del>369.00</del>	295.00
368.308	$\varnothing$ 30 - 35	$\pm 0.003$	<del>300.00</del>	225.00



368.706



368.308



368.706

Mitutoyo stand magnifier

A simple, all-purpose magnifier.



Item. No	Description	Price EUR	
183.301	7x magnification	<del>29.00</del>	<i>Sold out</i>
183.302	10x magnification	<del>29.00</del>	20.70

Mitutoyo ring light

The ring light provides you with additional, intensive, fluorescent illumination.

In addition:

- This type of light source prevents colour errors in the image caused by the colour characteristics of the illumination.
  - The ring-shaped positioning of the light source around the objective ensures even illumination of the subject without interfering shadows.
- Connection  $\varnothing$  50 mm
  - Delivery with power supply and extra spare bulb.



Item. No.	Price EUR	
377.090	<del>220.00</del>	206.00

**SALE**

## Kroeplin

Längenmesstechnik

### Kroeplin digital internal measuring instrument IP63

Kroeplin's quickest measuring instruments has a compact, ergonomic design. The digital-analog display makes read-out easier.

- Measuring range: 40 - 100 mm.
- Resolution: 0.02 mm.
- Accuracy:  $\pm 0.06$  mm.
- Repeatability: 0.04 mm.
- mm/inch conversion.
- ABS/INC switchable.
- With tolerance display.
- Purpose-built measuring program and measuring inserts.

- Protection: IP63.
- Power supply: 1 battery type AA.



Item. No.		Price EUR
854.895		<del>466.00</del> 370.00
<b>Options:</b>		
854.892	Digimatic interface	<del>89.00</del> 78.00
854.893	USB interface	<del>91.00</del> 80.00



854.892



854.893

### Kroeplin internal measuring instruments Intertest

Measuring instruments for accurate and reliable measurements of internal dimensions.

- Measuring range: 15 - 310 mm.
- Very fine tolerances on the various parts.
- Impact and shock-resistant housing.
- Shock-resistant movement of the measuring arm.
- Two adjustable tolerance markers.



854.807

Item. No.	Measuring range/mm	Graduation mm	Accuracy mm	Repeatability mm	Price EUR
854.823	80 - 100	0.01	$\pm 0.03$	$\pm 0.01$	<del>322.00</del> 253.00
854.807	15 - 65	0.05	$\pm 0.05$	$\pm 0.025$	<del>377.00</del> 300.00
854.810	70 - 120	0.05	$\pm 0.05$	$\pm 0.025$	<del>435.00</del> 345.00
854.820	180 - 310	0.05	$\pm 0.075$	$\pm 0.05$	<del>570.00</del> 449.00

### Kroeplin internal measuring instrument H2X001 IP65

- Measuring range: 10 - 30 mm.
- Graduation: 0.01 mm.
- Protection: IP65.
- Including depth measuring gauge.



Item. No.	Price EUR
854.902	<del>647.00</del> 508.00

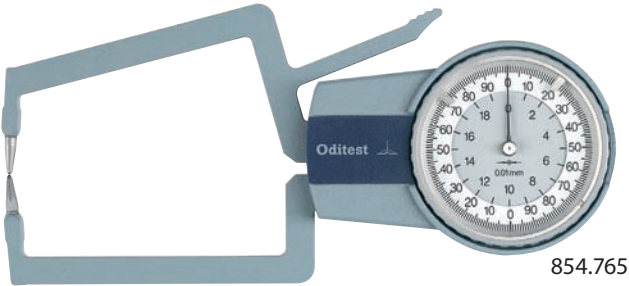
SALE

Kroeplin  
Längenmesstechnik

Kroeplin external measuring instruments Oditest IP65

External measuring instrument in a version which is highly accurate and reliable.

- Measuring range: 0 - 50 mm.
- Very fine tolerances on the various parts.
- Impact and shock-resistant housing.
- Dust and drip proof.
- Shock-resistant movement of the measuring arms.
- Two adjustable tolerance markers.
- Protection: IP65.



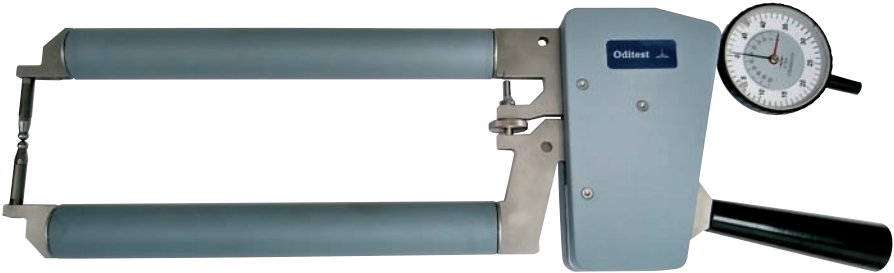
854.765

Item. No.	Measuring range/mm	Graduation mm	Accuracy mm	Repeatability mm	Price EUR	
854.765	0 - 20	0.01	±0.03	±0.01	<del>312.00</del>	265.20
854.775	0 - 50	0.05	±0.05	±0.025	<del>377.00</del>	300.00

Kroeplin external measuring instrument Oditest IP65

External measuring instrument in a version which is highly accurate and reliable.

- Measuring range: 0 - 50 mm.
- Graduation: 0.1 mm.
- Accuracy: ±0.15 mm.
- Repeatability: 0.075 mm.
- Very fine tolerances on the various parts.
- Impact and shock-resistant housing.
- Dust and drip proof.
- Damped movement of the measuring arm.
- Adjustable tolerance markers.
- Protection: IP65.

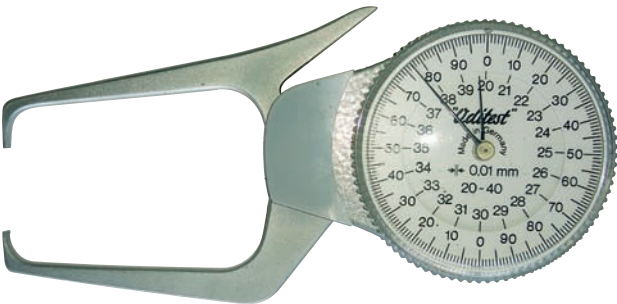


Item. No.	Price EUR	
854.008	<del>834.00</del>	729.00

Kroeplin external measuring instruments Oditest 22

External measuring instrument in a version which is highly accurate and reliable.

- Measuring range: 20 - 40 mm.
- Graduation: 0.01 mm.



Item. No.	Price EUR	
854.063	<del>284.00</del>	200.00

**SALE**

**Kroeplin**  
Längenmesstechnik

**Kroeplin external measuring instruments Schnelltaster**

- Measuring range: 20 - 50 mm.
- Graduation: 0.1 mm.
- Insert diameter:  $\varnothing 0.75$  mm
- Insert tip length: 3 mm



Item. No.	Price EUR	
854.172	<del>263.00</del>	193.00

SALE



Käfer digital external measuring instrument 0.001 mm

Fast thickness measurement of small parts and sheet and foil material.

- Measuring range: 0 - 12.5 mm.
- Resolution: 0.001 mm.
- mm/inch conversion.
- USB/RS232C data output.
- On/off switch.
- Reset/preset.
- Interchangeable measuring inserts.
- Measuring faces: ø 10 mm.
- Different types of inserts available.
- Power supply: 1 battery type CR2032.



Item No.	Price EUR	
852.379	<del>497.00</del>	355.00



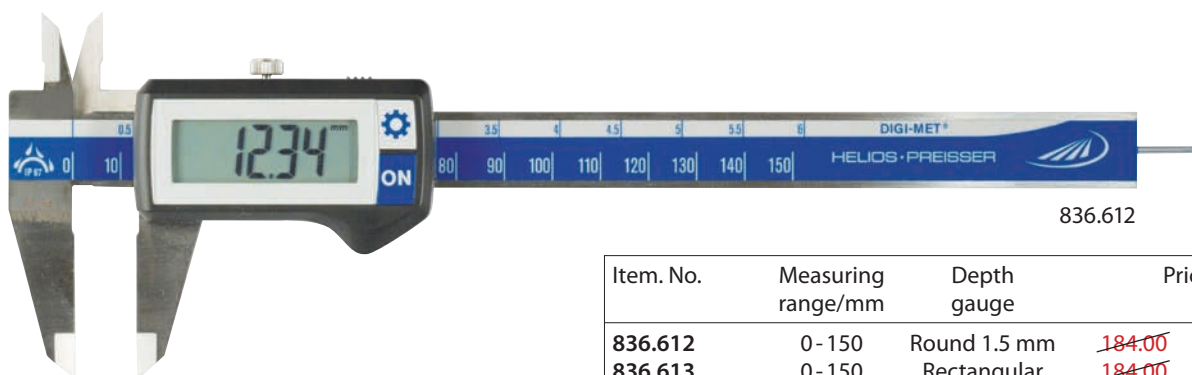
**SALE**



### Helios-Preisser DIGI-MET Pocket calipers IP67

Stainless steel IP67 digital caliper according to DIN 862.

- Measuring range: 0 - 150 mm.
- Resolution: 0.01 mm.
- DIN 862.



836.612

Item. No.	Measuring range/mm	Depth gauge	Price EUR	
836.612	0 - 150	Round 1.5 mm	<del>184.00</del>	147.00
836.613	0 - 150	Rectangular	<del>184.00</del>	147.00

### Helios-Preisser DIGI-MET Pocket calipers

Stainless steel digital caliper according to DIN 862.

- Measuring range: 0 - 150 mm.
- Resolution: 0.01 mm.
- DIN 862.

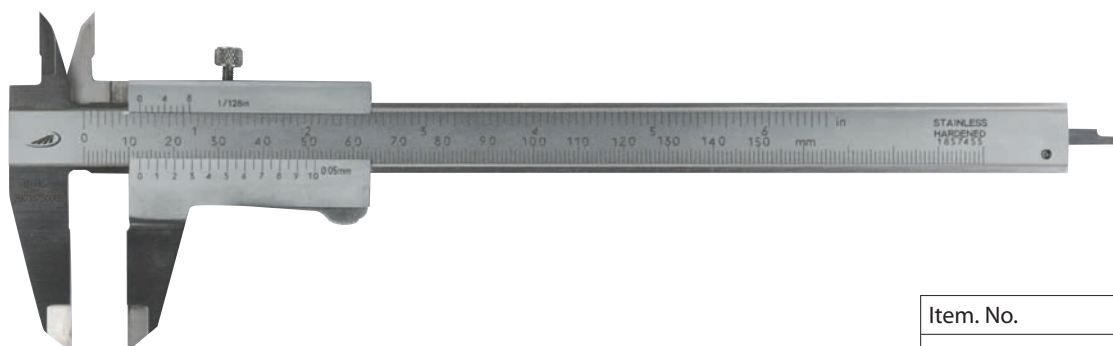


Item. No.	Price EUR	
836.611	<del>132.00</del>	106.00

### Helios-Preisser Pocket vernier caliper DUO-FIX

Stainless steel caliper with thumb clamp and locking screw. According to DIN 862.

- Measuring range: 0 - 150 mm.
- Vernier: 0.05 mm.
- DIN 862.
- Thumb clamp and locking screw.
- Includes thread table.



Item. No.	Price EUR	
836.642	<del>31.30</del>	25.10

SALE



Helios-Preisser caliper with large measuring range

Heavy duty stainless steel calipers with no-glare chrome finished scale and vernier.

- Measuring range: 0 - 500 mm.
- Vernier graduation: 0.02 mm.
- DIN 862.
- Jaw length: 150 mm.



Item No.	Price EUR	
836.131	<del>548.00</del>	356.00

Helios Preisser caliper with prismatic anvil

Helios Preisser vernier caliper for 3-fluted objects.

- Measuring range: 4 - 40 mm.
- Vernier: 0.05 mm and 1/128 inch.
- Stainless steel with no-glare chrome finished scale.
- For 3-fluted objects, 60° V-angle.

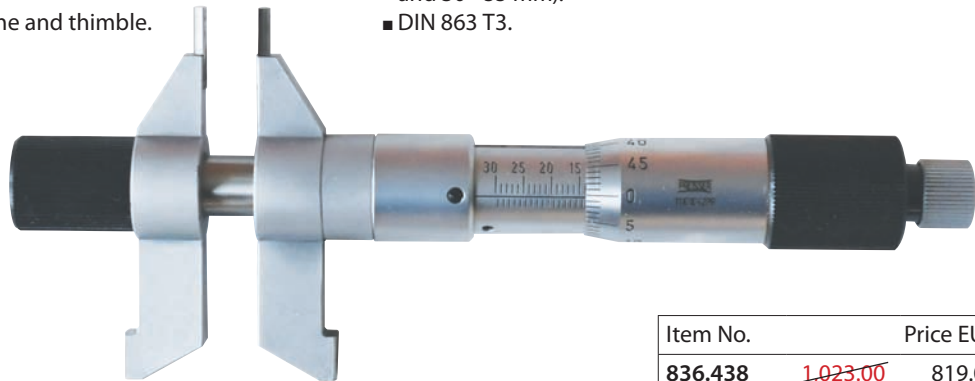


Item No.	Price EUR	
836.482	<del>86.00</del>	69.00

Helios Preisser internal micrometer

Internal micrometer with measuring jaws.

- Measuring range: 5 - 55 mm.
- Graduation: 0.01 mm.
- Accuracy: ± 0.003 mm.
- No-glare chrome finished frame and thimble.
- Cylindrical carbide tipped measuring faces.
- Measuring jaws on both sides (measuring ranges 5 - 30 mm and 30 - 55 mm).
- DIN 863 T3.



Item No.	Price EUR	
836.438	<del>1,023.00</del>	819.00

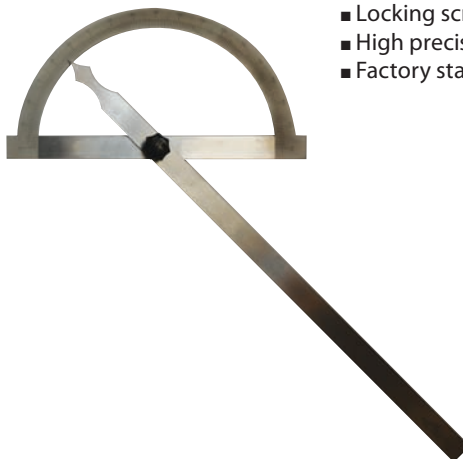
**SALE**



### Helios-Preisner Protractors

Protractors made from special steel, with a satin chrome finished graduated arc.

- Measuring range: 0 - 180°.
- Jaw length: 600 mm.
- Graduated arc diameter: 400 mm.
- Locking screw.
- High precision laser graduated degree scale.
- Factory standard.



Item. No.	Price EUR
856.658	<del>170.00</del> 136.00

### Helios Preisner adjustable snap gauges

- Special cast iron.
- 1 fixed measuring face, 2 adjustable square measuring faces.



Item. No.	Max. nominal size/mm	Price EUR
836.366	51 - 57	<del>94.00</del> 75.00
836.582	57 - 64	<del>98.00</del> 78.00

SALE



Leica DISTO laser distance meters

With these compact hand laser distance meters you aim a visual laser spot at the object for quick and accurate measurements of the distance without contact. In comparison with ultrasonic distancemeters, laser distance meters have a large measuring range and do not have to be used perpendicular to the target object. Suitable for internal and external measurements in hard to reach places.

DISTO D510

Distance, surface and volume measurements, continuous measurements, addition and subtraction, min/max function, time delay release, multifunctional end-piece and Pythagoras function.

DISTO A6

As DISTO D510, with thread for tripod, integrated spirit level, Power Range Technology up to 100 m, built-in precision ocular (magnification 2x), Bluetooth-technology to exchange data wireless with the PC, incl. software.

- Measuring range: 0.05 - 200 m.
- Resolution: 0.001 m.
- Accuracy: DISTO D510:  $\pm 0.001$  m., DISTO A6:  $\pm 0.0015$  m.
- mm/inch conversion.
- Illuminated LCD display.
- On/off switch.
- Automatic switch-off.
- Storage of the last 30 measuring values (DISTO A6: 20) and one constant value (only DISTO A6).
- Bluetooth with free Leica Sketch application for Android and IOS.
- Measurement reference: front or rear.
- Laser spot at a distance of 10 m:  $\varnothing 6$  mm.
- Laser: 635 nm, class II conform to IEC 60825-1.
- Operating temperature: -10°C to 50°C
- Protection: DISTO D510: IP65, DISTO A6: IP54.
- Dimensions: DISTO A6: 148 x 64 x 36 mm, DISTO D510: 143 x 58 x 29 mm
- Power supply: 2 batteries (AA).



774.046



774.061

Item. No.	Type	Measuring range/m	Price EUR
774.046	DISTO A6	0.05 - 200	<del>635.00</del> 500.00
774.061	DISTO D510	0.05 - 200	<del>601.00</del> 458.00

**SALE**

### Workshop caliper with long measuring jaws

- Measuring range: 0 - 2000 mm.
- Jaw length: 300 mm.
- Vernier: 0.05 mm.

- Factory standard.
- Locking screw.



Item. No.	Price EUR	
836.340	<del>2,663.00</del>	2,130.00

### Depth dial indicator

- Measuring range: 0 - 20 mm.
- Graduation: 0.1 mm.
- Measuring pin:  $\varnothing$  2.8 mm.
- Locking screw.



Item. No.	Price EUR	
853.110	<del>91.00</del>	54.00

### Saw tooth indicator

By placing the indicator on the saw blade you can easily measure the flatness of the blade, enabling you to saw very precisely. With the indicator you can also measure the height difference between the saw blade and the tooth. This principal of differential measuring of thickness or heights is not only suited for saw blades, but has many other applications. Because the indicator has a two-sided read-out, it is usable for left- as well as right-handers.

- Measuring range: 0 - 8 mm.
- Graduation: 0.1 mm.



Item. No.	Price EUR	
853.140	<del>151.00</del>	98.00



SALE

Long stroke precision tapes

- Black plastic housing with wristlet.
- White varnished steel strip with mm graduation.
- Winding-on handle.
- EC class II.



Item. No.	Length m	Tape width mm	Price EUR	
775.540	10	9.5	<del>7.50</del>	4.30
775.541	15	9.5	<del>9.30</del>	5.20
775.542	20	9.5	Sold out	
775.543	30	9.5	Sold out	

Digital thickness gauge

- Measuring range: 0 - 75 mm.
- Graduation: 0.01 mm.
- Hardened steel measuring face ø 20 mm.
- mm/inch conversion.
- On/off switch.
- Reset.
- Locking screw.
- Power supply: 1 battery type V357.

Item. No.	Price EUR	
853.146	<del>247.00</del>	160.00



**SALE**

### Thickness gauge

- Measuring range: 0 - 75 mm.
- Graduation: 0.1 mm.
- Hardened steel spherical measuring face R 6 mm.



Item. No.	Price EUR	
853.049	<del>140.00</del>	91.00

### Thickness gauge

- Measuring range: 0 - 30 mm.
- Graduation: 0.1 mm.
- Hardened steel measuring face  $\varnothing$  25 mm.



Item. No.	Price EUR	
853.145	<del>120.00</del>	78.00

### Thickness gauge

- Measuring range: 50 - 100 mm.
- Graduation: 0.1 mm.
- Hardened steel measuring face  $\varnothing$  15 mm.



Item. No.	Price EUR	
853.040	<del>137.00</del>	89.00

SALE

Tachometer

- Measuring range: 0 - 10 000 rpm and 0 - 1000 m/min.
- Graduation: 0.002 x the measuring range.
- Includes attachments.



Item. No.	Measuring range		Price EUR	
	rpm	m/min		
855.850	0 - 10000	0 - 1000	<del>350.00</del>	280.00
Options:				
855.853	Conical tip		<del>8.40</del>	6.70
855.855	Concave tip		<del>8.40</del>	6.70
855.856	Wheel		<del>16.70</del>	13.30

Torquemeters

- Measuring range: 0.04 - 500 Ncm.
- Intended for static measurements.
- Includes 6 attachments for  
2 to 7 mm shafts for the small models, and  
3 to 8 mm shafts for the large models.



Item. No.	Measuring range/Ncm	Graduation Ncm	Price EUR	
Small model:				
857.730	0.04 - 0.5	0.02	Sold out	
857.734	0.2 - 3	0.2	Sold out	
857.736	0.4 - 6	0.5	Sold out	
857.738	1 - 12	1	<del>556.00</del>	441.00
Large model:				
857.740	2 - 20	0.5	<del>691.00</del>	584.00
857.747	40 - 320	10	Sold out	
857.748	50 - 500	10	Sold out	



**SALE**

### Strain gauges

Handy strain gauges suitable for measurements in two directions.

- Measuring range: 0.015 - 100 N.
- Indication accuracy:  $\pm 2\%$  of the entire scale.
- With peak pointer.



#### Small model:

Item. No.	Measuring range/N	Graduation N	Price EUR	
857.702	0.015 - 0.15	0.005	<del>197.00</del>	156.00
857.703	0.03 - 0.3	0.01	<del>197.00</del>	156.00
857.704	0.05 - 0.5	0.01	<del>197.00</del>	156.00
857.705	0.1 - 1	0.02	<del>197.00</del>	156.00
857.706	0.15 - 1.5	0.05	Sold out	
857.707	0.25 - 2.5	0.05	Sold out	



857.724

#### Large model:

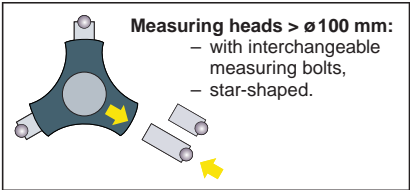
Item. No.	Measuring range/N	Graduation N	Length mm	Price EUR	
857.721	0.25 - 2.5	0.05	153.5	<del>338.00</del>	268.00
857.722	1 - 5	0.1	153.5	Sold out	
857.725	3 - 30	0.5	153.5	<del>497.00</del>	394.00
857.726	4 - 40	1	153.5	Sold out	
857.727	5 - 50	1	127.5	<del>540.00</del>	428.00
857.728	10 - 100	2	127.5	<del>586.00</del>	465.00

SALE

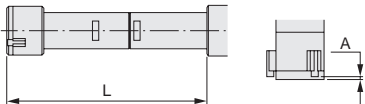
*Filetta*

Digital three-point internal micrometers

Digital three-point internal micrometers with a resolution of 0.001 mm for accurately measuring (blind) bores. These micrometers have several functions, and combined with the accurate read-out this results in a favourable price-performance ratio.



- Measuring range:  $\varnothing$  200 - 300 mm.
- Resolution: 0.001 mm.
- mm/inch conversion.
- ABS/INC switchable.
- On/off switch.
- Automatic switch-off.
- Reset/preset.
- Self-centering.
- Tungsten carbide measuring faces.
- Interchangeable measuring bolts from measuring range  $\varnothing$  100 - 125 mm.
- Protection: IP54.
- Delivery in a case, incl. extension 150 mm (measuring range  $\varnothing$  6 - 12 mm: 100 mm).
- Separate instruments within measuring range  $\varnothing$  6 - 100 mm are delivered incl. setting ring(s) (conforms to factory standard).
- Power supply: 1 battery type V357.



ECONOMY LINE ✓

Item No.	Measuring range/mm	Setting ring $\varnothing$ /mm	Accuracy mm	Length L/mm	Length A/mm	Price EUR
906.886	$\varnothing$ 6- 8	6	$\pm 0.004$	54.5	0.7	<i>Sold out</i>
906.887	$\varnothing$ 8- 10	8	$\pm 0.004$	54.5	0.7	<i>Sold out</i>
906.888	$\varnothing$ 10- 12	10	$\pm 0.004$	54.5	0.7	<i>Sold out</i>
906.889	$\varnothing$ 12- 16	16	$\pm 0.004$	80	0.7	<i>Sold out</i>
906.890	$\varnothing$ 16- 20	16	$\pm 0.004$	80	0.7	<i>Sold out</i>
906.891	$\varnothing$ 20- 25	25	$\pm 0.004$	90	0.7	<i>Sold out</i>
906.892	$\varnothing$ 25- 30	25	$\pm 0.004$	90	0.7	<i>Sold out</i>
906.893	$\varnothing$ 30- 40	40	$\pm 0.004$	97	0.7	<i>Sold out</i>
906.894	$\varnothing$ 40- 50	40	$\pm 0.005$	97	0.7	<i>Sold out</i>
906.895	$\varnothing$ 50- 63	62	$\pm 0.005$	114	0.7	<i>Sold out</i>
906.896	$\varnothing$ 62- 75	62	$\pm 0.005$	114	0.7	<i>Sold out</i>
906.897	$\varnothing$ 75- 88	87	$\pm 0.005$	114	0.7	<i>Sold out</i>
906.898	$\varnothing$ 87-100	87	$\pm 0.005$	114	0.7	<i>Sold out</i>
906.899	$\varnothing$ 100-125	–	$\pm 0.005$	145	0.7	<i>Sold out</i>
908.675	$\varnothing$ 125-150	–	$\pm 0.005$	145	0.7	<i>Sold out</i>
908.676	$\varnothing$ 150-175	–	$\pm 0.005$	145	0.7	<i>Sold out</i>
908.677	$\varnothing$ 175-200	–	$\pm 0.005$	145	0.7	<i>Sold out</i>
908.678	$\varnothing$ 200-225	–	$\pm 0.007$	145	0.7	<del>654.00</del> 437.00
908.679	$\varnothing$ 225-250	–	$\pm 0.007$	145	0.7	<i>Sold out</i>
908.680	$\varnothing$ 250-275	–	$\pm 0.007$	145	0.7	<del>904.00</del> 605.00
908.681	$\varnothing$ 275-300	–	$\pm 0.007$	145	0.7	<del>1,067.00</del> 714.00



# SALE

*Filetta*

## Three-point bore micrometers

Three-point bore micrometers, also for measuring blind bores.

- Measuring range:  $\varnothing$  6 mm -  $\varnothing$  90 mm.
- Reading: 0.005 mm.
- 906.670 - 906.672 and 906.665: 0.001 mm

ECONOMY LINE ✓

Item. No.	Measuring range/mm	Price EUR
906.670	$\varnothing$ 6 - 8	<del>201.00</del> 136.00
906.671	$\varnothing$ 8 - 10	<del>201.00</del> 136.00
906.672	$\varnothing$ 10 - 12	<del>201.00</del> 136.00
906.673	$\varnothing$ 11 - 14	Sold out
906.674	$\varnothing$ 14 - 17	Sold out
906.675	$\varnothing$ 17 - 20	Sold out
906.676	$\varnothing$ 20 - 25	<del>196.00</del> 132.00
906.677	$\varnothing$ 25 - 30	Sold out
906.678	$\varnothing$ 30 - 35	<del>199.00</del> 134.00
906.679	$\varnothing$ 35 - 40	Sold out
906.680	$\varnothing$ 40 - 50	Sold out
906.681	$\varnothing$ 50 - 60	<del>231.00</del> 156.00
906.682	$\varnothing$ 60 - 70	Sold out
906.683	$\varnothing$ 70 - 80	<del>246.00</del> 166.00
906.684	$\varnothing$ 80 - 90	<del>261.00</del> 176.00
906.685	$\varnothing$ 90 - 100	Sold out



906.676

- The sets are delivered including setting rings.

## Sets

ECONOMY LINE ✓

Item. No.	Measuring range/mm	Price EUR
906.665	$\varnothing$ 6 - 12	<del>564.00</del> 381.00
906.666	$\varnothing$ 11 - 20	Sold out
906.667	$\varnothing$ 20 - 40	Sold out
906.668	$\varnothing$ 40 - 100	Sold out



906.667

## Stick micrometersets

Micrometer sets for internal measurements.

- Measuring range: 150 - 1400 mm.
- Measuring range micrometer: 50 - 63 mm.
- Graduation: 0.01 mm.
- Accuracy:  $\pm (3 + n + L/50) \mu\text{m}$ .  
(n = number of extensions,  
L = max. measuring length in mm).
- Locking screw.
- Spherical tungsten carbide measuring faces.
- Delivered in a wooden case.

ECONOMY LINE ✓

Item. No.	Price EUR
906.035	<del>833.00</del> 345.00



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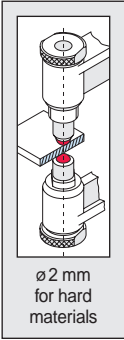
Pocket external measuring instrument

A handy, universally usable thickness gauge with a lightweight construction.

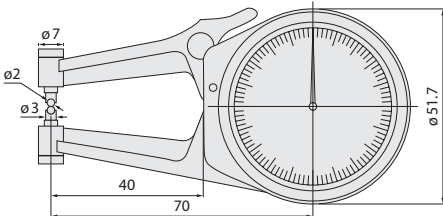
- Measuring range: 0 - 10 mm.
  - Graduation: 0.1 mm.
- Adjustable pins  $\varnothing 3$  mm with spherical probe tip  $\varnothing 2$  mm.
  - Delivery in a plastic case.



Type of insert



Item. No.	Measuring range/mm	Throat depth/mm	Price EUR	
910.530	0 - 10	40	<del>35.00</del>	27.30



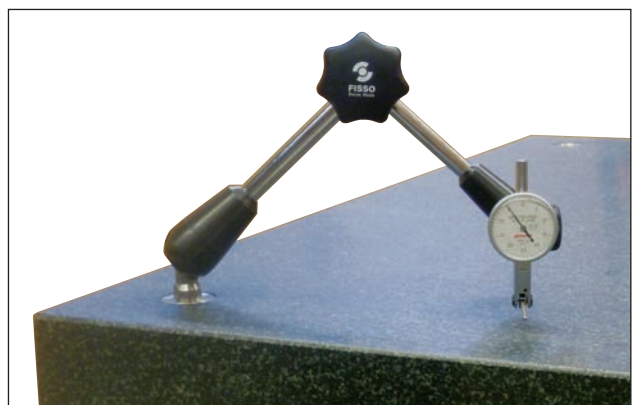
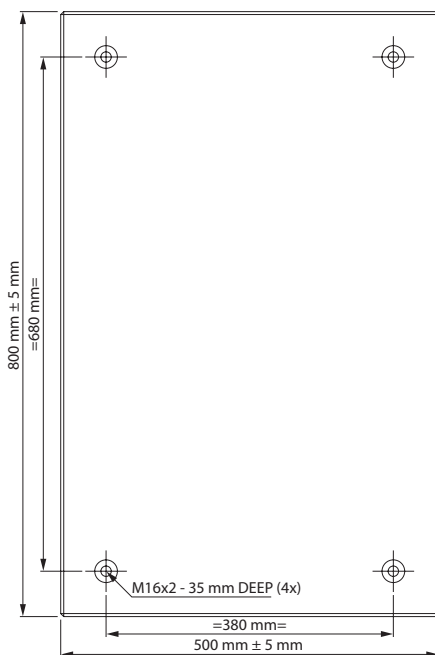
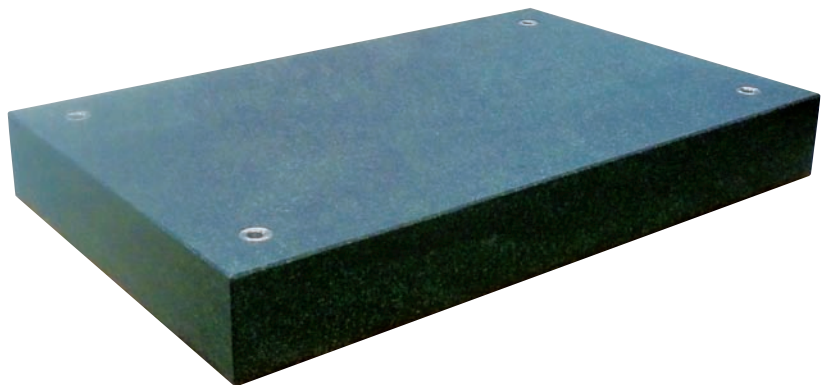
**SALE**

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### Granite surface plate with inserts

Black granite surface plate with four inserts.

- Accuracy according DIN 876/0
- Delivery with an inspection report.
- 4 M16 holes.
- Straight beveled edges.
- 4x adapting bush M16-M8 included for free, useful when needing firmly attached dial indicator stands.
- Cover (synthetic leather) optionally available.
- Surface plate stand optionally available (see "surface plate accessories" in our catalog).
- Weight including wooden transport packaging.



**ECONOMY LINE** ✓

Item. No.	Dimensions l x w x h / mm	Weight <sup>1</sup> kg	Price EUR	
<b>402.018</b>	800 x 500 x 100	136	<del>846.00</del>	310.00

<sup>1</sup> Weight including wooden packing.

**Valid while stocks last.**

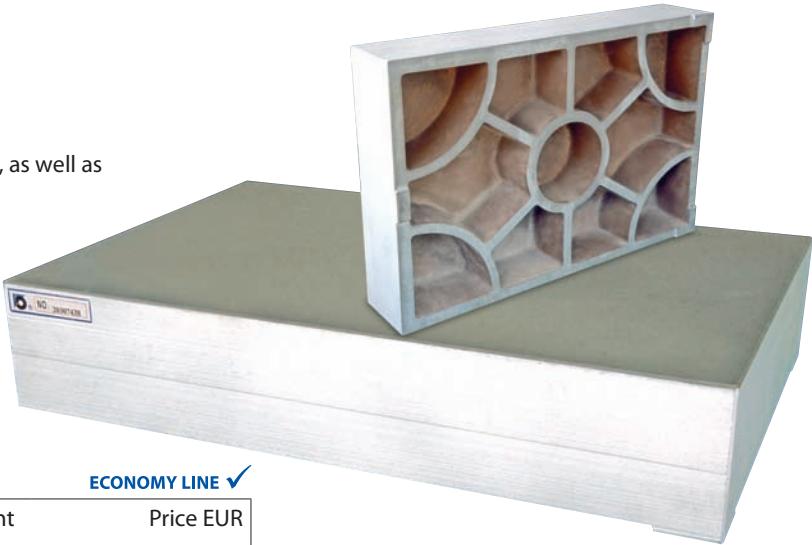
SALE

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Ceramic surface plates

Surface plates made of alumina ceramics are very durable, even under mechanically or chemically aggravating conditions. Some other important characteristics of alumina ceramics are:

- Low density.
- Low linear expansion coefficient.
- Low thermal conduction coefficient.
- High degree of hardness.
- Highly wear resistant.
- High rigidity through its unique hollow structure, as well as light in weight.
- Exceptionally strong.
- Easy to maintain.



ECONOMY LINE ✓

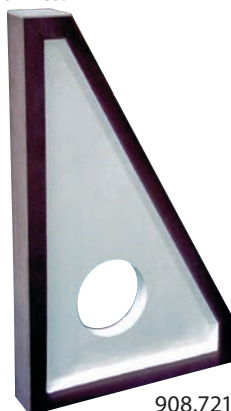
Item No.	Flatness mm	Dimensions l x w x t / mm	Weight kg	Price EUR	
<b>Class A:</b>					
908.713	0.008	600 x 450 x 90	45	<del>1,940.00</del>	854.00
<b>Class AAA:</b>					
908.706	0.002	450 x 300 x 90	20		<i>Sold out</i>
908.707	0.002	600 x 450 x 90	45	<del>2,350.00</del>	1,033.00
908.708	0.003	630 x 630 x 150	90	<del>3,270.00</del>	1,438.00

Delivery ex Groningen, Netherlands

**SALE**
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### Ceramic squares

■ Made of alumina ceramics.



908.721



908.745

ECONOMY LINE ✓

Item No.	Dimensions l x w x t/mm	Flatness long measuring face/mm	Flatness short measuring face/mm	Squareness mm	Price EUR
<b>Triangular, class A:</b>					
908.718	100 x 63 x 16	0.001	0.001	0.004	<del>158.00</del> Sold out
908.719	160 x 100 x 20	0.002	0.001	0.004	<del>287.00</del> 158.00
908.720	250 x 160 x 25	0.002	0.002	0.005	<del>819.00</del> 450.00
908.721	400 x 250 x 40	0.0025	0.002	0.007	<del>1,843.00</del> 1,014.00
908.722	630 x 400 x 63	0.003	0.0025	0.009	<del>3,070.00</del> 1,690.00
<b>Triangular, class AAA:</b>					
908.726	250 x 160 x 25	0.0005	0.0005	0.0025	<del>1,257.00</del> Sold out
908.727	400 x 250 x 40	0.0005	0.0005	0.0035	<del>2,280.00</del> 1,257.00
908.728	630 x 400 x 63	0.0008	0.0005	0.0045	<del>3,880.00</del> 2,130.00

ECONOMY LINE ✓

Item No.	Dimensions l x w x t mm	Flatness measuring faces/mm	Squareness measuring faces/mm	side faces/mm	Parallelism measuring faces/mm	side faces/mm	Price EUR
<b>Rectangular, class A:</b>							
908.742	200 x 200 x 25	0.0018	0.004	0.04	0.004	0.096	<del>819.00</del> 450.00
908.745	400 x 400 x 40	0.0026	0.006	0.06	0.006	0.144	<del>2,010.00</del> 1,104.00
<b>Rectangular, class AAA:</b>							
908.782	300 x 300 x 30	0.0006	0.0013	0.013	0.0013	0.031	<del>1,767.00</del> 972.00

### Ceramic parallels in pairs

Parallels to position and layout workpieces in for example clamping jaws for drilling, grinding, milling and measuring.

■ Made of alumina ceramics.



ECONOMY LINE ✓

Item No.	Dimensions l x w x h/mm	Flatness measuring faces/mm	Parallelism measuring faces/mm	Squareness mm	Height difference/mm	Price EUR
<b>Class A:</b>						
908.733	400 x 63 x 40	0.008	0.008	0.030	0.008	<del>1,940.00</del> 1,067.00



SALE

Filetta

Feeler stock coils

Feeler stock coils made of hardened or stainless steel.

- Measuring range: 0.01 - 1.00 mm.
- Length: 5 m.
- Width: 12.7 mm.

ECONOMY LINE ✓



909.939

Thickness mm	Item. No.	Price EUR	Item. No.	Price EUR
Hardened steel:			Stainless steel:	
0.01	909.928	<del>Sold out</del>	909.950	<del>43.00</del> 11.60
0.02	909.929	<del>27.40</del> 7.40	909.951	<del>39.90</del> 10.70
0.03	909.930	<del>21.20</del> 5.70	909.952	<del>25.90</del> 6.90
0.04	909.931	<del>Sold out</del>	909.953	<del>Sold out</del>
0.05	909.932	<del>Sold out</del>	909.954	<del>25.90</del> 6.90
0.06	909.933	<del>Sold out</del>	909.955	<del>25.90</del> 6.90
0.07	909.934	<del>Sold out</del>	909.956	<del>Sold out</del>
0.08	909.935	<del>21.20</del> 5.70	909.957	<del>25.90</del> 6.90
0.09	909.936	<del>21.20</del> 5.70	909.958	<del>Sold out</del>
0.10	909.937	<del>Sold out</del>	909.959	<del>Sold out</del>
0.15	909.938	<del>21.20</del> 5.70	909.960	<del>25.90</del> 6.90
0.20	909.939	<del>Sold out</del>	909.961	<del>25.90</del> 6.90
0.25	909.940	<del>21.20</del> 5.70	909.962	<del>25.90</del> 6.90
0.30	909.941	<del>Sold out</del>	909.963	<del>25.90</del> 6.90
0.35	909.942	<del>21.20</del> 5.70	909.964	<del>25.90</del> 6.90
0.40	909.943	<del>21.20</del> 5.70	909.965	<del>25.90</del> 6.90
0.50	909.944	<del>21.20</del> 5.70	909.966	<del>25.90</del> 6.90
0.60	909.945	<del>21.20</del> 5.70	909.967	<del>25.90</del> 6.90
0.70	909.946	<del>21.20</del> 5.70	909.968	<del>25.90</del> 6.90
0.80	909.947	<del>21.20</del> 5.70	909.969	<del>25.90</del> 6.90
0.90	909.948	<del>21.20</del> 5.70	909.970	<del>25.90</del> 6.90
1.00	909.949	<del>21.20</del> 5.70	909.971	<del>25.90</del> 6.90

Long stroke precision tapes

- Winding-on handle (906.108, 906.109, 906.110, 906.111)
- Lock button (906.104, 906.106).



906.104



906.106



906.110



906.114

Item. No.	Length m	Tape width mm	Price EUR
906.104	3.5	16	<del>2.80</del> 1.90
906.106	7.5	25	<del>10.10</del> 6.80
906.108	15	10	<del>12.60</del> 8.40
906.109	20	10	<del>16.30</del> 10.90
906.110	30	10	<del>23.00</del> 15.30
906.111	50	10	<del>32.50</del> 21.70
906.114	50	10	<del>34.90</del> 23.20

Schut Geometrical Metrology (Schut Geometrische Meettechniek bv) is an international organization, founded in 1949, with five offices throughout Europe, specialized in the development, production, sales and service of precision measuring instruments and systems.

Schut Geometrical Metrology is ISO 9001 certified. Our reliable service and excellent technical advice assist you in determining your optimal quality strategy.



Products developed and produced by Schut Geometrical Metrology are the 3D CNC coordinate measuring machines DeMeet (video, touch probe and multi-sensor model) and product fixture systems.

Besides products of well-known producers like Magnescale (electronic scales, gauges and display units), TESA, Mitutoyo, Helios-Preisser (measuring instruments), Fisso (dial indicator stands), Käfer and Peacock (dial indicators), Witte (Alufix fixture system), Peak (magnifiers and microscopes), LMW (gauges), Schwenk and Kroeplin (internal/external measuring instruments), Marposs (internal measuring instruments), Dino-Lite (digital microscopes) and Renishaw (probe systems) Schut offers an extensive range of measuring equipment in various price ranges, such as microscopes, surface plates, measuring stands, dial indicators, rulers, straight edges, squares, angle measuring instruments, micrometers and calipers.

## Schut Geometrische Meettechniek bv

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