PMS BECUS
MÉTROLOGIE

HELIOS · PREISSER

THE TRADE SPECIALISTS



METROLOGY CATALOGUE

In Germany at home – in demand worldwide

2021 / 2022

valid from 01.07.2021 to 30.06.2023

METROLOGY CATALOGUE 2021 /2022



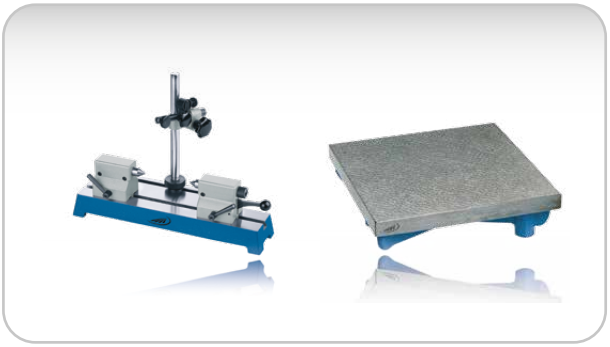
Calipers



Dial gauges and Indicators



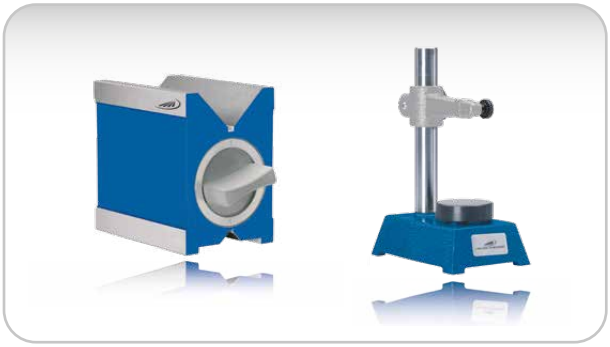
Micrometers



Bench centres and Inspection plates



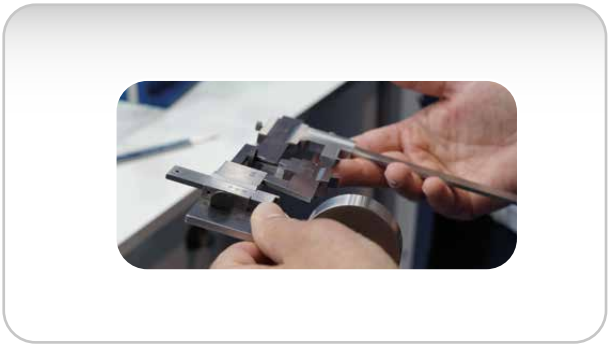
Plug gauges and Feeler gauge tapes



Inspection equipment



Services



Custom made products

HELIOS · PREISSER

In Germany at home

For more than 80 years





Zertifikat

Prüfungsnorm ISO 9001:2015

Zertifikat-Registrier-Nr. 01 100 1303217

Unternehmen:

HELIOS · PREISSER

HELIOS-PREISSER GmbH
Steinbeisstr. 6
72501 Gammertingen
Deutschland

Geltungsbereich: Entwicklung, Fertigung, Beschaffung, Marketing und Vertrieb von Präzisions-Messmitteln

Durch ein Audit wurde der Nachweis erbracht, dass die Forderungen der ISO 9001:2015 erfüllt sind.

Gültigkeit: Dieses Zertifikat ist gültig vom 14.03.2020 bis 13.03.2023.
Erstzertifizierung 2014

14.02.2020

TÜV Rheinland Cert GmbH
Am Grauen Stein · 51105 Köln

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We are certifed according to
DIN EN ISO 9001:2015



„For more than 80 years, your reliable partner for everything about metrology“

HELIOS • PREISSER

Dear customers,

For more than 80 years, HELIOS-PREISSER has been a reliable supplier and partner for metrology of the highest quality and has made a good name for itself as a specialized trade brand among dealers and users far beyond Germany.

In the current catalogue, you will find a large selection of precise measuring and testing equipment to support your daily work and ensure the quality of your production.

In addition, a strong team will support you at HELIOS-PREISSER in Gammertingen or directly on site. No matter if it is about consulting, training, service or sales, we are glad to be there for you.

Challenge us and let us convince you of our capabilities.



Rainer Fahrenholz
Managing director

HELIOS · PREISSER

Services that leave no questions unasked



R-E-S

Repair Exchange System

Precise

You get a completely over-hauled product, tested and approved - and immediately ready for use.

Fast

The exchange product will generally leave our company within 24 hours after the arrival of your product.

Reliable

No bad surprises regarding costs. Due to our transparent Repair-Exchange prices, you have full control or your expenses.

Cost-efficent

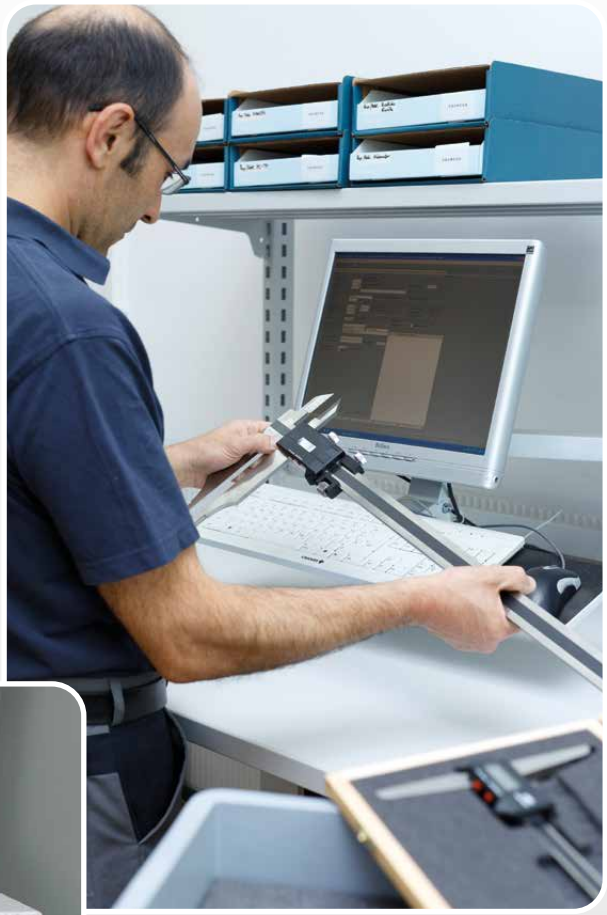
Your exchange product comes in familiar HELIOS-PREISSER quality and with 6 months of warranty.

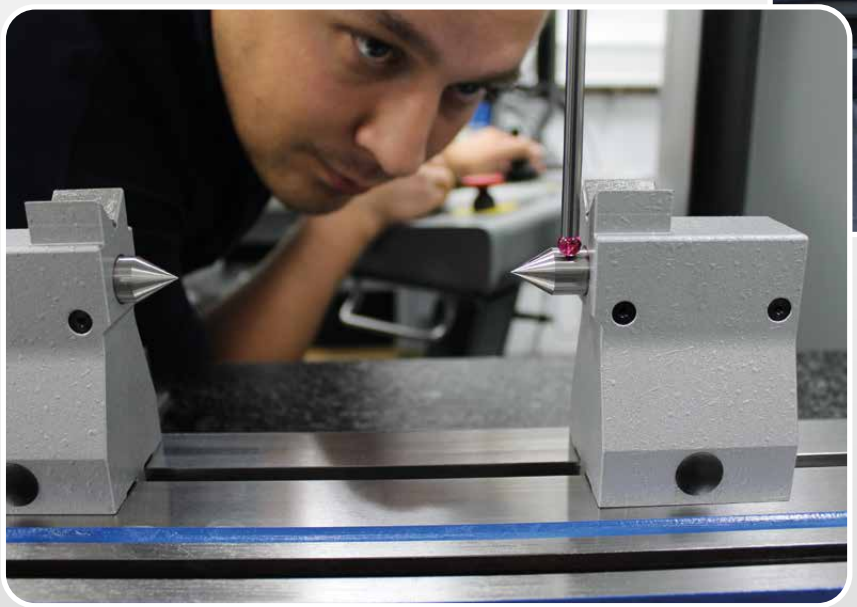


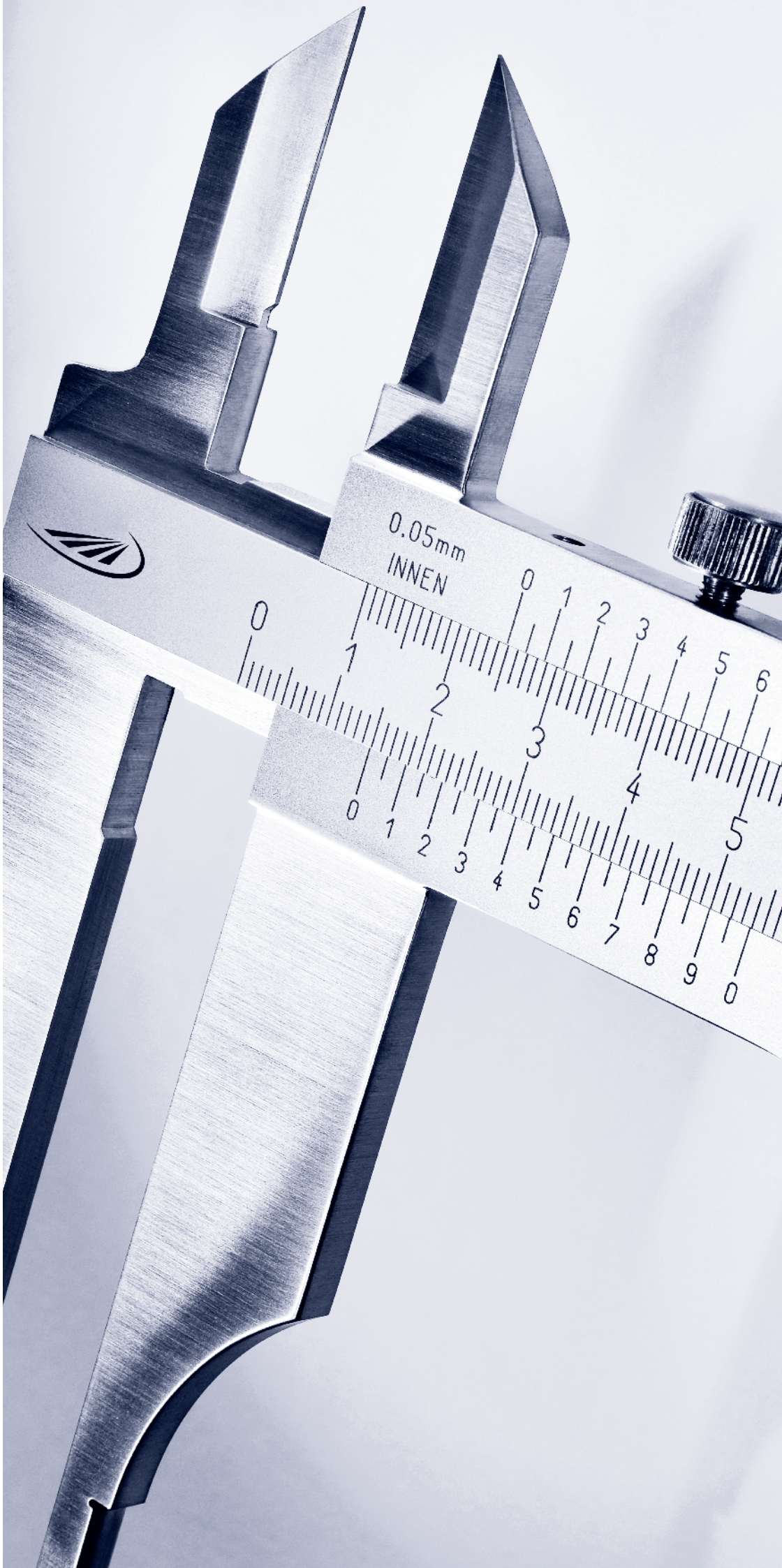
„Proficient consultation & first-class service - we are here for you“

- **Comprehensive technical support**
- **Competent after-sales service**
- **Professional repairs**
- **Calibration and monitoring**







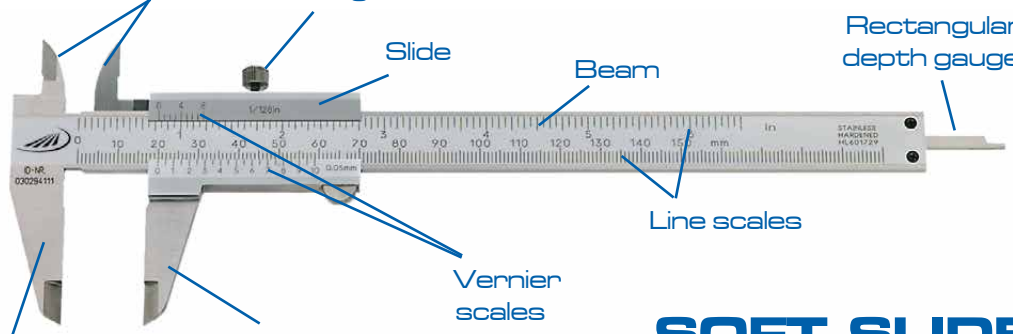

0.05mm
INNEN

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4	Marking instruments	
5	Squares, Protractors, Bevel protractors	
6	Inspection equipment, Standards, Rules	
7	Data transmission	
8	Calibration service, Order number index, Keyword index	

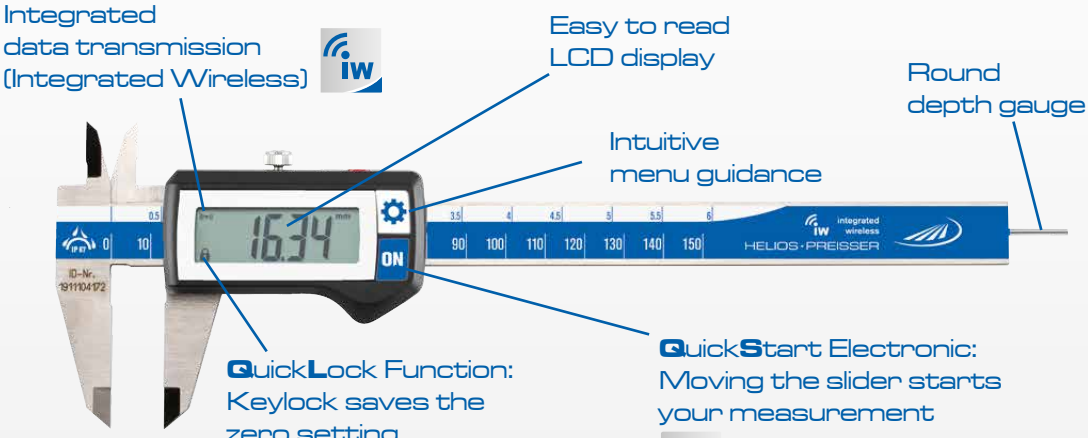
HELIOS · PREISSER

SAMPLES **CALIPER**



SOFT-SLIDE

smooth running due to twice lapped guide surface

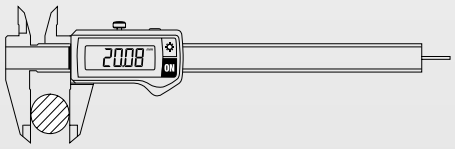


1326i

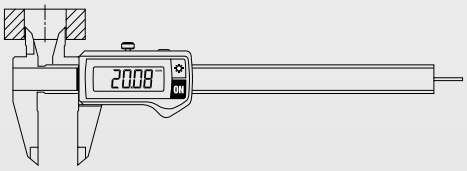
with integrated wireless

Possible application for **calipers**

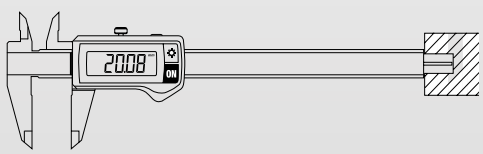
External measurement



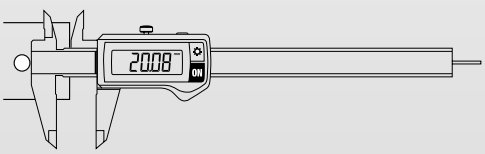
Internal measurement



Depth measurement



Step (distance) measurement



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0184 Pocket vernier calipers

DIN 862



Model

- Stainless steel
- Reading parts have a satin chrome finish
- DIN 862
- Inside cross points
- Low-set master scale
- Four way measurement
- Includes thread table

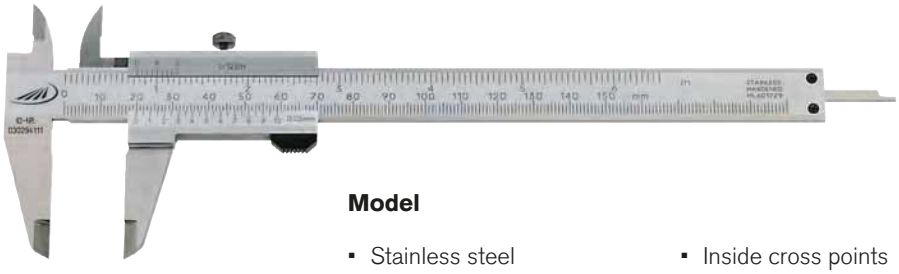
Delivery

- Imitation leather case

⋈		Measuring range		Jaw length		Reading		Error limit	Depth gauge	Order no.	List price
		mm	inch	mm	inch	mm	inch	mm			EUR
With thumb clamp											
		0 - 150	0 - 6	40	1.6	0.05	1/128	0.05	rectangular	0184 501	26.00
		0 - 200	0 - 8	50	1.6	0.05	1/128	0.05	rectangular	0184 505	34.50
		0 - 300	0 - 12	60	2.0	0.05	1/128	0.05	none	0184 508	51.00

0185 Pocket vernier calipers

DIN 862



Model

- Stainless steel
- Reading parts have a satin chrome finish
- DIN 862
- Inside cross points
- Low-set master scale
- Four way measurement
- Includes thread table

Delivery

- Imitation leather case

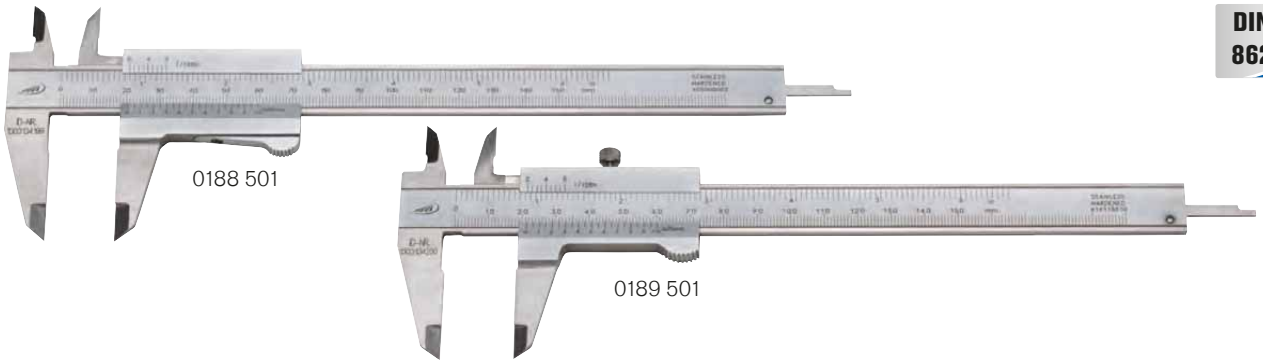
⋈		Measuring range		Jaw length		Reading		Error limit	Depth gauge	Order no.	List price
		mm	inch	mm	inch	mm	inch	mm			EUR
With locking screw											
		0 - 100	0 - 4	30	1.2	0.05	-	0.05	rectangular	0185 500	20.00
		0 - 150	0 - 6	40	1.6	0.05	1/128	0.05	rectangular	0185 501	26.00
		0 - 200	0 - 8	50	2.0	0.05	1/128	0.05	rectangular	0185 505	34.50
		0 - 300	0 - 12	60	2.4	0.05	1/128	0.05	none	0185 508	51.00
With reading 0.02 mm											
		0 - 150	0 - 6	40	1.6	0.02	0.001	0.03	rectangular	0185 50105	26.00
		0 - 200	0 - 8	50	2.0	0.02	0.001	0.03	rectangular	0185 50505	34.50

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0188 / 0189 Pocket vernier calipers

DIN 862



Model

- Stainless steel
- Reading parts have a satin chrome finish
- DIN 862
- Inside cross points
- Low-set master scale
- Four way measurement
- Includes thread table

Delivery

- Imitation leather case

	Measuring range		Jaw length		Reading		Error limit	Depth gauge	Order no.	List price
	mm	inch	mm	inch	mm	inch	mm			EUR
With thumb clamp										
	0 - 150	0 - 6	40	1.6	0.05	1/128	0.05	rectangular	0188 501	23.00
With locking screw										
	0 - 150	0 - 6	40	1.6	0.05	1/128	0.05	rectangular	0189 501	23.00

0194 / 0195 Pocket vernier calipers with round depth rod

DIN 862



Model

- Stainless steel
- Reading parts have a satin chrome finish
- DIN 862
- Inside cross points
- Low-set master scale
- Four way measurement
- Includes thread table

Delivery

- Imitation leather case

	Measuring range		Jaw length		Reading		Error limit	Depth gauge	Order no.	List price
	mm	inch	mm	inch	mm	inch	mm			EUR
With thumb clamp										
	0 - 150	0 - 6	40	1.6	0.05	1/128	0.05	round 1.6	0194 501	27.00
With locking screw										
	0 - 150	0 - 6	40	1.6	0.05	1/128	0.05	round 1.6	0195 501	27.00

0196 Pocket vernier calipers with reading 0.02 mm

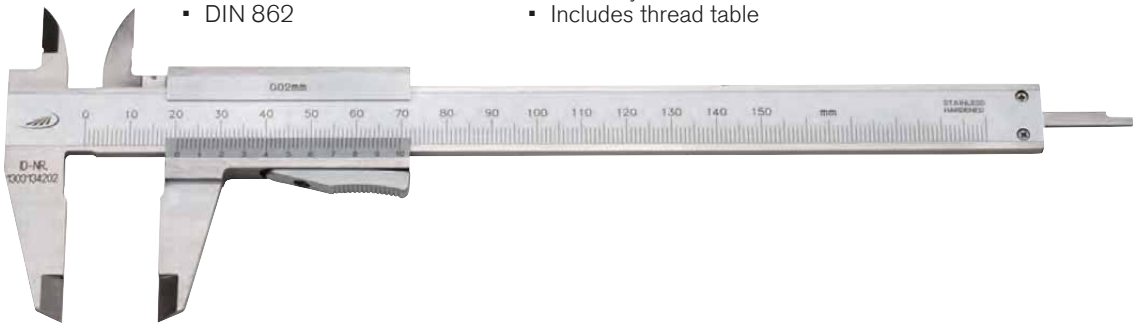
Model

- Stainless steel
- Reading parts have a satin chrome finish
- DIN 862
- Inside cross points
- Low-set master scale
- Four way measurement
- Includes thread table

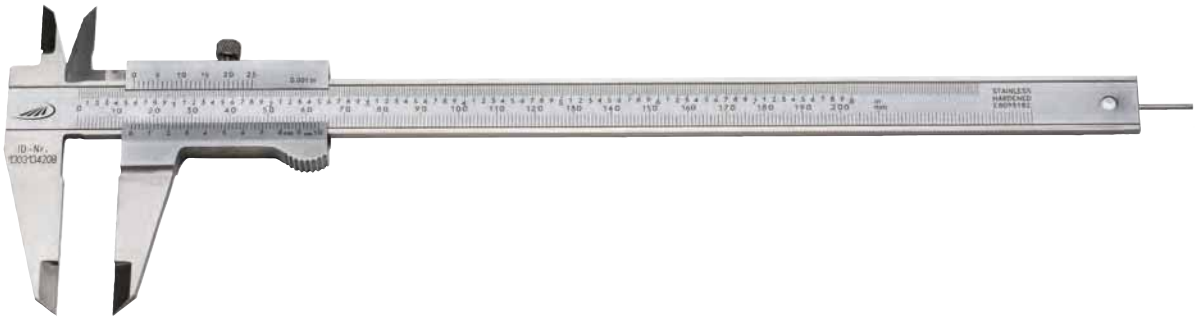
Delivery

- Imitation leather case

DIN 862



		Measuring range		Jaw length		Reading	Error limit	Depth gauge	Order no.	List price
		mm	inch	mm	inch	mm	mm			EUR
With thumb clamp										
		0 - 150	0 - 6	40	1.6	0.02	0.03	rectangular	019650 105	25.10



		Measuring range		Jaw length		Reading	Error limit	Depth gauge	Order no.	List price
		mm	inch	mm	inch	mm	mm			EUR
With locking screw										
		0 - 200	0 - 8	50	2.0	0.02	0.03	round 1.6	019650 516	35.90



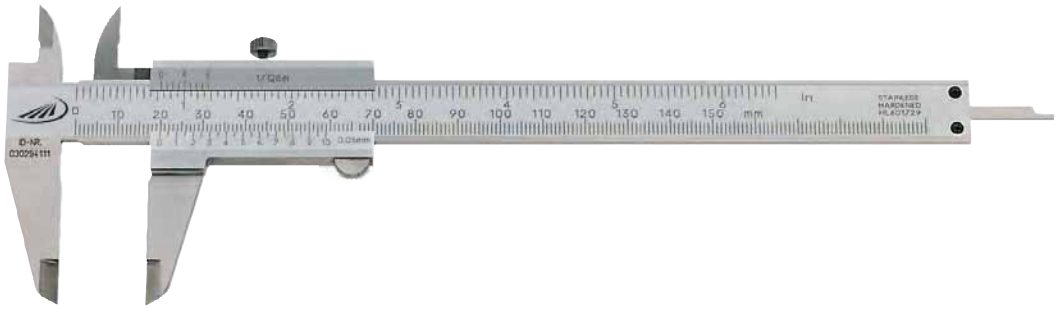
		Measuring range		Jaw length		Reading	Error limit	Depth gauge	Order no.	List price
		mm	inch	mm	inch	mm	mm			EUR
With locking screw										
		0 - 150	0 - 6	40	1.6	0.02	0.03	rectangular	019650 116	25.10

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0197 Pocket vernier calipers SOFT - SLIDE

DIN 862



Model

- Smooth running due to twice lapped guide surface
- Stainless steel
- Reading parts have a satin chrome finish
- DIN 862
- Inside cross points
- Low-set master scale
- Four way measurement
- Includes thread table

Delivery

- Imitation leather case

Measuring range		Jaw length		Error limit	Depth gauge	Order no.	List price
mm	inch	mm	inch	mm			EUR
0 - 150	0 - 6	40	1.6	0.05	rectangular	0197 501	33.00
0 - 200	0 - 8	50	2.0	0.05	rectangular	0197 505	75.00
0 - 300	0 - 12	60	2.4	0.05	none	0197 508	149.00

0198 / 0199 Pocket vernier calipers with parallax-free reading

DIN 862



0198 501

0199 501

Model

- **Parallax-free reading**
- Stainless steel
- Reading parts have a satin chrome finish
- DIN 862
- Inside cross points
- Four way measurement
- Includes thread table

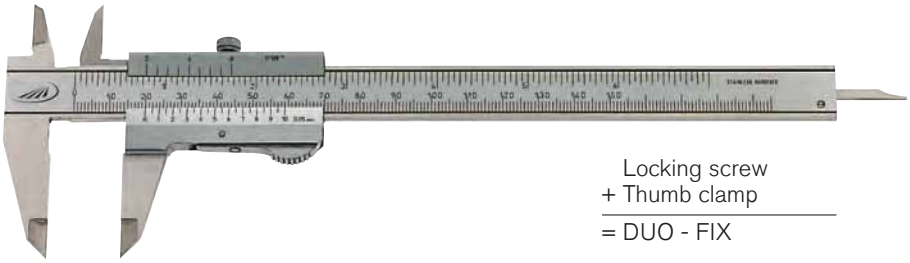
Delivery

- Imitation leather case

Measuring range		Jaw length		Reading		Error limit	Depth gauge	Order no.	List price
mm	inch	mm	inch	mm	inch	mm			EUR
With thumb clamp									
0 - 150	0 - 6	40	1.6	0.05	1/128	0.05	rectangular	0198 501	30.50
With locking screw									
0 - 150	0 - 6	40	1.6	0.05	1/128	0.05	rectangular	0199 501	30.50

0190 Pocket vernier caliper DUO-FIX

DIN 862





Model

- Stainless steel
- Reading parts have a satin chrome finish
- DIN 862
- Thumb clamp **and** locking screw
- Inside cross points
- Low-set master scale
- Four way measurement
- Includes thread table

Delivery

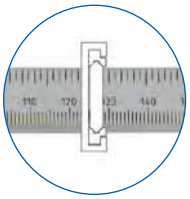
- Imitation leather case

		Measuring range		Jaw length		Reading		Error limit	Depth gauge	Order no.	List price
		mm	inch	mm	inch	mm	inch	mm			EUR
		0 - 150	0 - 6	40	1.6	0.05	1/128	0.05	rectangular	0190 501	27.00

0203 Precision pocket vernier caliper PRISMA

DIN 862





Model

- **Parallax-free reading**
- **Double prisma guide with excellent sliding characteristics**
- Stainless steel
- Reading parts have a satin chrome finish
- DIN 862
- Low-set locking screw
- Inside cross points
- Four way measurement
- Includes thread table

Delivery

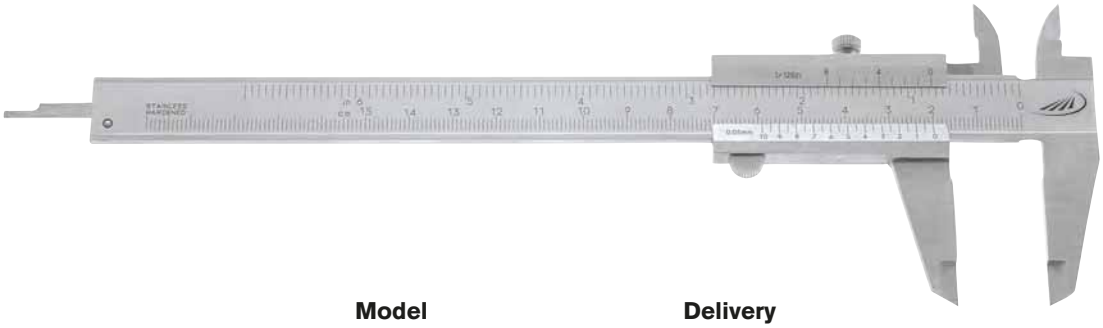
- Imitation leather case

		Measuring range		Jaw length		Reading		Error limit	Depth gauge	Order no.	List price
		mm	inch	mm	inch	mm	inch	mm			EUR
		0 - 150	0 - 6	40	1.6	0.05	1/128	0.05	rectangular	0203 501	52.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0182 Pocket vernier caliper for lefthanded



Model

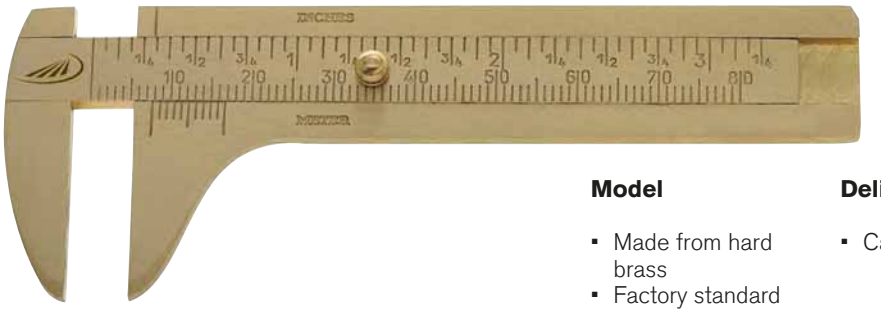
- Stainless steel
- Reading parts have a satin chrome finish
- Locking screw
- Factory standard

Delivery

- Imitation leather case

		Measuring range		Jaw length		Reading		Error limit	Depth gauge	Order no.	List price
		mm	inch	mm	inch	mm	inch	mm			EUR
		0 - 150	0 - 6	40	1.6	0.05	1/128	0.05	rectangular	0182 501	34.50

0180 Pocket caliper



Model

- Made from hard brass
- Factory standard

Delivery

- Cardboard box

	Measuring range		Jaw length		Reading		Order no.	List price
	mm	inch	mm	inch	mm	inch		EUR
	0 - 100	0 - 6	25	1.0	0.1	1/16	0180 320	7.10

0180 Pocket caliper



Model

- Made from hard brass
- Stepped jaw 5 mm for internal measurement
- Factory standard

Delivery

- Cardboard box

	Measuring range		Jaw length		Reading		Order no.	List price
	mm	inch	mm	inch	mm	inch		EUR
	0 - 100	0 - 6	25	1.0	0.1	1/16	0180 330	7.10

0180 Tyre profile depth gauge



Model

- Made from hard brass
- Factory standard

Delivery

- Cardboard box

	Measuring range		Jaw length		Reading		Order no.	List price
	mm	inch	mm	inch	mm	inch		EUR
	0 - 30	0 - 1.18	30	1.2	0.1	1/16	0180 310	4.40

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0217 / 0218 Dial calipers

DIN 862



Model

- Stainless steel
- Satin chrome scale
- DIN 862
- Locking screw
- Inside cross points
- One pointer revolution
  with 0217 = 2 mm
  with 0218 = 1 mm
- Four way measurement

Delivery

- Fitted case

		Measuring range		Jaw length		Reading	Error limit	Depth gauge	Order no.	List price
		mm	inch	mm	inch	mm	mm			EUR
▪		0 - 150	0 - 6	40	1.6	0.02	0.03	rectangular	0217 501	67.00
▪		0 - 200	0 - 8	40	1.6	0.02	0.03	rectangular	0217 502	135.00
▪		0 - 150	0 - 6	40	1.6	0.01	0.03	rectangular	0218 501	90.00

0212 Quality measuring tool set, 8 piece

INCLUDING ONE POCKET CALIPER OF YOUR CHOICE



0190 501





1320 416



1326 416

Content

- Pocket calipers in 5 different types of choice
- External micrometer with carbide measuring faces, measuring range 0-25 mm, reading 0.01 mm
- Flexible steel rule, stainless steel, measuring range 200 mm, graduation mm / mm, 13 x 0.5 mm
- Knife square, hardened, DIN 875/00, 100 x 70 mm, with non-glare knife edge
- Knife edge, hardened and ground, DIN 874/00, length 100 mm
- Scriber, carbide tipped, hexagonal handle made of one piece, with pocket clip, length 180 mm
- Radius gauge, special steel, 17 sheets, concave and convex, with locking nut, measuring range 1.0 – 7.0 mm
- Screw pitch gauge, combined metric ISO- and Whitworth thread, 48 blades, increments 0.4 – 7.0 / 4 – 62

- **Shipment**

- Wooden case

⋈		Measuring range mm	Ablesung mm	Ablesung inch	Tiefenmaß mm	Best. Nr.	Listenpreis EUR
Set mit Taschenmessschieber DUO - FIX (0190 501)							
		0 - 150	0.05	1/128	rect.	0212 520	133.00
Set mit DIGI-MET® Taschenmessschieber (1320 416 / 417)							
		0 - 150	0.01	.0005	rund 1.5	0212 522	195.00
		0 - 150	0.01	.0005	rect.	0212 524	195.00
Set mit DIGI-MET® Taschenmessschieber IP67 (1326 416 / 417)							
		0 - 150	0.01	.0005	rund 1.5	0212 526	219.00
		0 - 150	0.01	.0005	rect.	0212 528	219.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

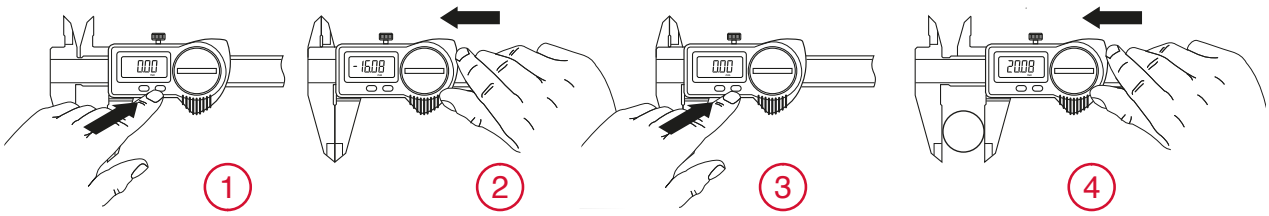
DIGI-MET® QuickStart Electronic

QuickStart-Electronic with the QuickLock-Function for only one zero setting

All digital calipers with the QuickStart-Electronic also have the **Q**uick**L**ock Function. Only set the zero position once, zero position remains stored for all further measurements. When the **Q**uick**L**ock Function is activated a lock symbol appears in the display, this ensures that the zero position is protected against any operating error caused by accidental usage of the operating keys (keys are locked). The caliper is immediately ready for measurement; once the caliper is switched ON or the slide is moved, the display is automatically activated.
The need to reset to zero as with a conventional caliper once it is switched on is obsolete.

Conventional

① Switch ON ② Close the measuring jaws ③ Set to zero ④ Result of measurement



QuickStart Electronic

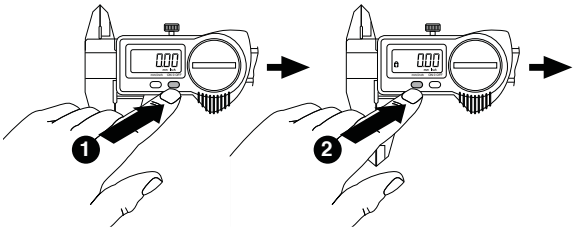
① ②



Press the ON key or move the slide

DIGI-MET® QuickLock-Function

1. Set to zero **2. Activate the QuickLock Function**



Advantages of the QuickLock Function

- The caliper is immediately ready for measurement
- Lock symbol appears in the display. This ensures that the zero position is protected against any operating error caused by accidental usage of the operating keys (keys are locked)

1326i DIGI-MET® Pocket calipers IP67 with integrated wireless



1326 41660

integrated wireless

Wireless Data Transmission



Model

- Measuring system is insensitive to cooling agents and dust
- Protection class IP67
- Stainless steel
- LCD display 11 mm
- DIN 862
- Housing and operating keys have an excellent chemical resistance
- Locking screw
- Inside cross points
- Four way measurements

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Integrated Wireless

Delivery

- Plastic case

More information on our i-series and Integrated Wireless on page 252

⋈		Measuring range		Jaw length		Reading		Error limit	Depth gauge	Order no.	List price
		mm	inch	mm	inch	mm	inch	mm			EUR
▪		0 - 150	0 - 6	40	1.6	0.01	.0005	0.03	round 1.5	1326 41660	218.00
▪		0 - 150	0 - 6	40	1.6	0.01	.0005	0.03	rectangular	1326 41760	218.00
▪		0 - 200	0 - 8	50	2.0	0.01	.0005	0.03	rectangular	1326 41860	279.00
▪		0 - 300	0 - 12	65	2.5	0.01	.0005	0.03	none	1326 42260	337.00



1998780

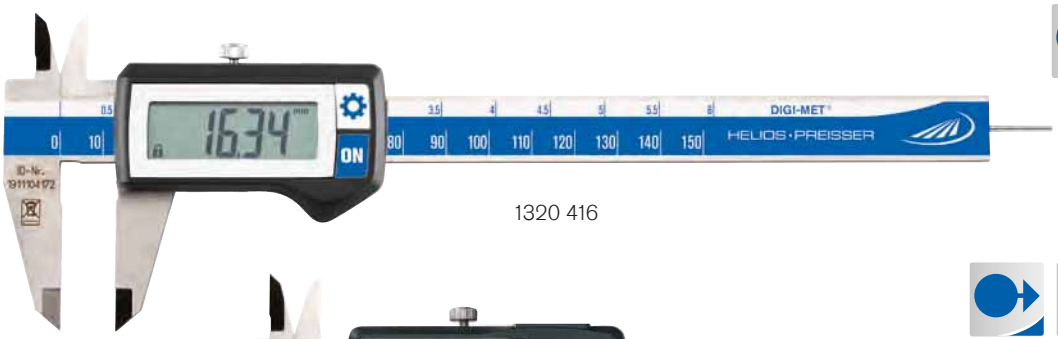
Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
i-Stick USB-receiver for Integrated Wireless	1998 780	95.00

Integrated Wireless is intended to be sold within the European Economic Area only

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1320 DIGI-MET® Pocket calipers



1320 416



1320 517

Model

- Inductive measuring system, resistent to moisture and sweat
- Stainless steel
- LCD display 11 mm without data output, 7.5 mm with data output
- DIN 862
- Locking screw
- Inside cross points
- Four way measurement with measuring ranges 150 and 200 mm
- Three way measurement with measuring range 300 mm

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value 1320 4xx only)
- Variable data output RS 232 + Digimatic + USB (1320 5xx only)

Delivery

- Plastic case

Video electronic

	Measuring range		Jaw length		Reading		Error limit	Depth gauge	Order no.	List price
	mm	inch	mm	inch	mm	inch	mm			EUR
Without data output										
▪	0 - 150	0 - 6	40	1.6	0.01	.0005	0.03	round 1.5	1320 416	115.00
▪	0 - 150	0 - 6	40	1.6	0.01	.0005	0.03	rectangular	1320 417	115.00
With DATA VARIABLE										
▪	0 - 150	0 - 6	40	1.6	0.01	.0005	0.03	round 1.5	1320 516	145.00
▪	0 - 150	0 - 6	40	1.6	0.01	.0005	0.03	rectangular	1320 517	145.00
▪	0 - 200	0 - 8	50	2.0	0.01	.0005	0.03	rectangular	1320 519	185.00
▪	0 - 300	0 - 12	65	2.5	0.01	.0005	0.03	none	1320 522	235.00
With DATA VARIABLE, with extra long cross points (40 mm)										
▪	0 - 150	0 - 6	40	1.6	0.01	.0005	0.03	round 1.5	1320 518	395.00

More information on 1320 518 on page 48



1998720



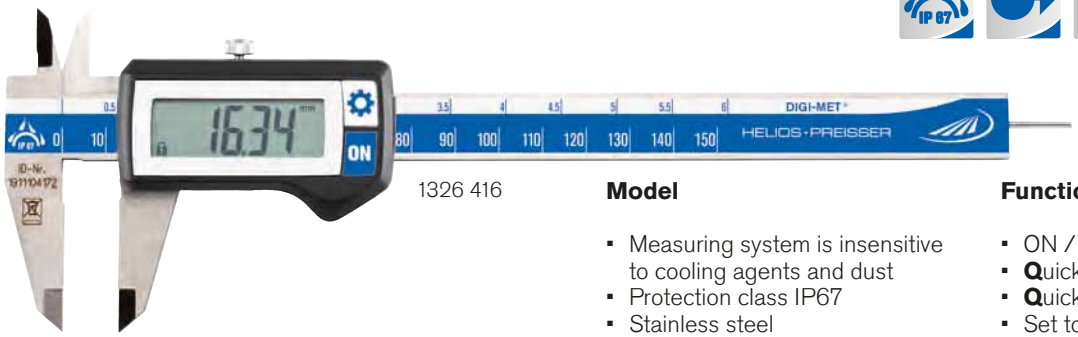
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Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to digimatic	1998 501	64.00
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to USB	1998 720	72.00

1326 DIGI-MET® Pocket calipers IP67



1326 416

Video electronic

Model

- Measuring system is insensitive to cooling agents and dust
- Protection class IP67
- Stainless steel
- LCD display 11 mm
- DIN 862
- Housing and operating keys have an excellent chemical resistance
- Locking screw
- Inside cross points
- Four way measurement with measuring ranges 150 and 200 mm
- Three way measurement with measuring range 300 mm

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)

Delivery

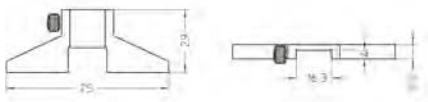
- Plastic case

⋈		Measuring range		Jaw length		Reading		Error limit	Depth gauge	Order no.	List price
		mm	inch	mm	inch	mm	inch	mm			EUR
▪		0 - 150	0 - 6	40	1.6	0.01	.0005	0.03	round 1.5	1326 416	159.00
▪		0 - 150	0 - 6	40	1.6	0.01	.0005	0.03	rectangular	1326 417	159.00
▪		0 - 200	0 - 8	50	2.0	0.01	.0005	0.03	rectangular	1326 418	225.00
▪		0 - 300	0 - 12	65	2.5	0.01	.0005	0.03	none	1326 422	285.00
With carbide-tipped measuring jaws											
▪		0 - 150	0 - 6	40	1.6	0.01	.0005	0.03	round 1.5	1326 914	343.00

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90

0220 Additional depth measuring base





Model

- Stainless steel
- Bridge length: 75 mm
- Dimensions: 75 x 6.5 mm

⋈		Order no.	List price EUR
		0220 705	22.40

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1326 DIGI-MET® Pocket calipers IP67 with data ouput



Model

- Measuring system is insensitive to cooling agents and dust
- Protection class IP67
- Stainless steel
- LCD display 7.5 mm
- DIN 862
- Locking screw
- Inside cross points
- Four way measurement

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- Variable data output RS 232 + Digimatic + USB

Delivery

- Plastic case

		Measuring range		Jaw length		Reading		Error limit	Depth gauge	Order no.	List price
		mm	inch	mm	inch	mm	inch	mm			EUR
▪		0 - 150	0 - 6	40	1.6	0.01	.0005	0.03	round 1.5	1326 516	159.00
▪		0 - 150	0 - 6	40	1.6	0.01	.0005	0.03	rectangular	1326 517	159.00
▪		0 - 200	0 - 8	50	2.0	0.01	.0005	0.03	rectangular	1326 518	235.00

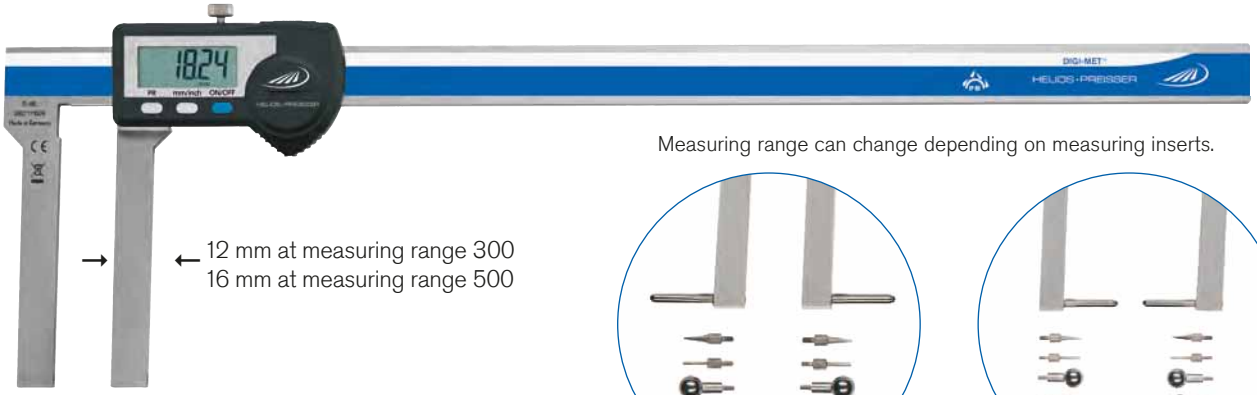

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1998501

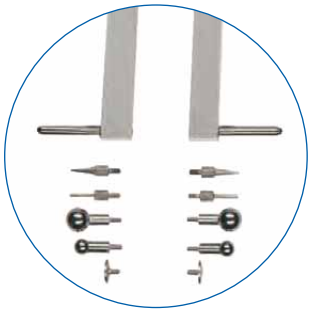
Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to digimatic	1998 501	64.00
Data cable DATA VARIABLE to USB	1998 720	72.00

1348 DIGI-MET® Universal calipers

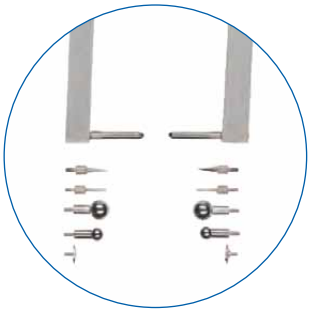


→ ← 12 mm at measuring range 300
16 mm at measuring range 500

Measuring range can change depending on measuring inserts.



for internal measurements



for external measurements

Model

- Stainless steel
- Factory standard
- Protection class IP65
- LCD display 10 or 12.5 mm
- Locking screw
- For internal and external measurements
- Individually adaptable on problematic tasks through measuring inserts with thread M 2.5

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

Delivery

- Wooden box
- Without measuring inserts (correct measuring inserts with thread M 2.5 see pages 125 - 128)

⋈		Measuring range		Jaw length		Reading		Error limit	Order no.	List price
		mm	inch	mm	inch	mm	inch	mm		EUR
		0 - 300	0 - 12	90	3.5	0.01	.0005	0.06	1348 722	607.00
		0 - 500	0 - 20	100	4.0	0.01	.0005	0.06	1348 728	778.00


1998720


1998501


1997501

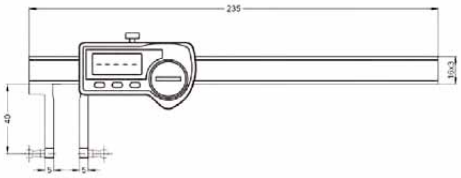
Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to digimatic	1998 501	64.00
Data cable DATA VARIABLE to USB	1998 720	72.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1326 Universal pocket caliper „Pocket Talent“





Incl. setting standard

Model

- Stainless steel
- Protection class IP67
- Factory standard
- LCD display 7.5 mm
- Locking screw
- For internal and external measurements
- Individually adaptable on problematic tasks through measuring inserts with thread M 2.5

Functions

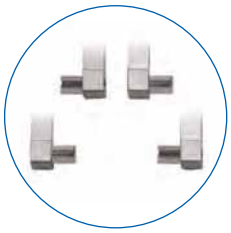
- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

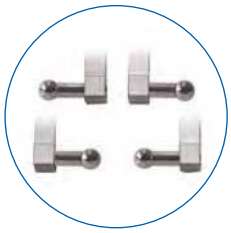
Delivery

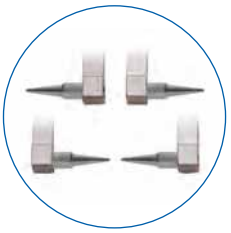
- Wooden box
- Measuring inserts No. 0710161* and 0710177* Planar surface Ø 4.8 mm / Ball inserts Ø 5.0 mm
- Setting standard

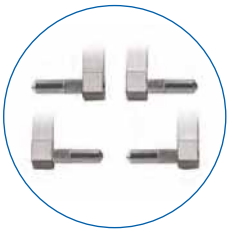
Measuring range		Jaw length	Reading		Order no.	List price
mm	inch	mm	mm	inch		EUR
0 - 150	0 - 6	40	0.01	.0005	1326 932	359.00

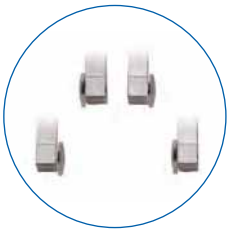
Our all-round talent can be combined with all common types of measuring inserts for indicators with a standard M 2.5 thread. This way, the Pocket Talent offers you various solutions for numerous measurement applications.


0710161*


0710177*


0710166


0710167


0710163

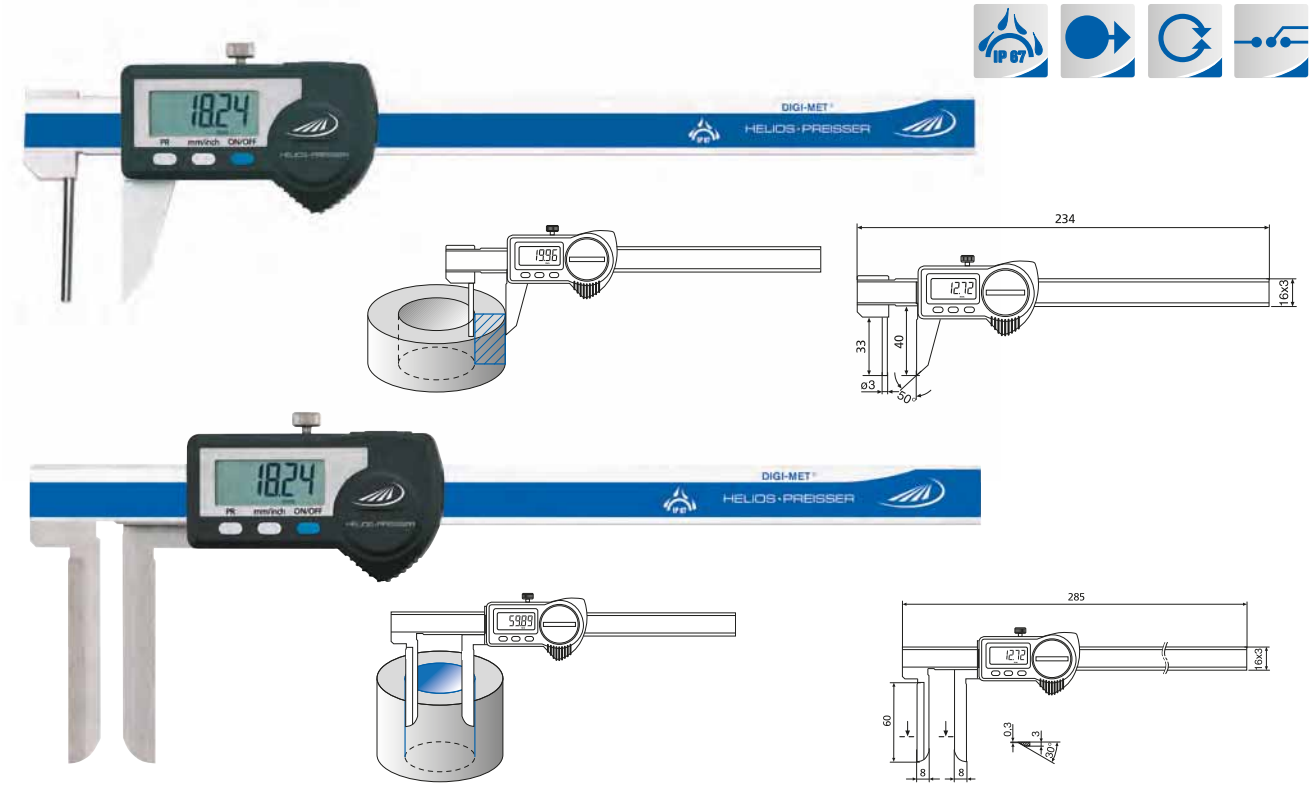

1998720 1998501 1997501

Product video

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Measuring inserts M 2.5	0710 161	4.30
Measuring inserts M 2.5	0710 163	6.50
Measuring inserts M 2.5	0710 166	5.90
Measuring inserts M 2.5	0710 167	4.10
Measuring inserts M 2.5	0710 177	8.20
Setting standard for Pocket Talent	1326 990	39.00
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to digimatic	1998 501	64.00
Data cable DATA VARIABLE to USB	1998 720	72.00

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

1326 DIGI-MET® Pocket calipers for specific measuring tasks



Model

- Protection class IP67
- Stainless steel
- LCD display 7.5 mm
- Factory standard
- Measuring system is insensitive to cooling agents and dust
- Housing and operating keys have an excellent chemical resistance
- Inside cross points
- Locking screw

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

Delivery

- Wooden case

		Measuring range		Jaw length		Reading		Order no.	List price
		mm	inch	mm	inch	mm	inch		EUR
Wall thickness caliper									
		0 - 150	0 - 6	40	1.6	0.01	.0005	1326 918	503.00
With long cross jaws for inner measurements									
		10 - 200	0.4 - 8	60	2.4	0.01	.0005	1326 930	653.00



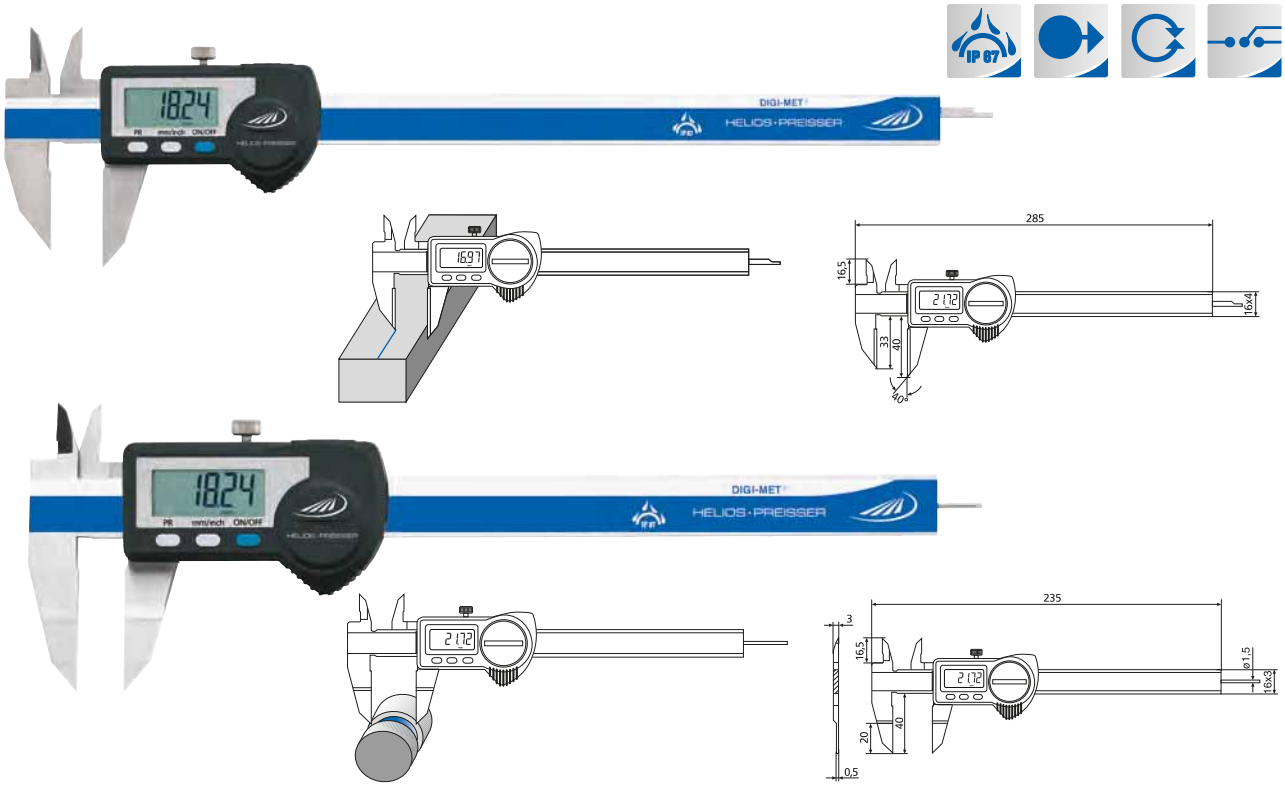
1998720 1997501 1998501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to digimatic	1998 501	64.00
Data cable DATA VARIABLE to USB	1998 720	72.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1326 DIGI-MET® Pocket calipers for specific measuring tasks



Model

- Protection class IP67
- Stainless steel
- LCD display 7.5 mm
- Factory standard
- Measuring system is insensitive to cooling agents and dust
- Housing and operating keys have an excellent chemical resistance
- Inside cross points
- Locking screw

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

Delivery

- Wooden case

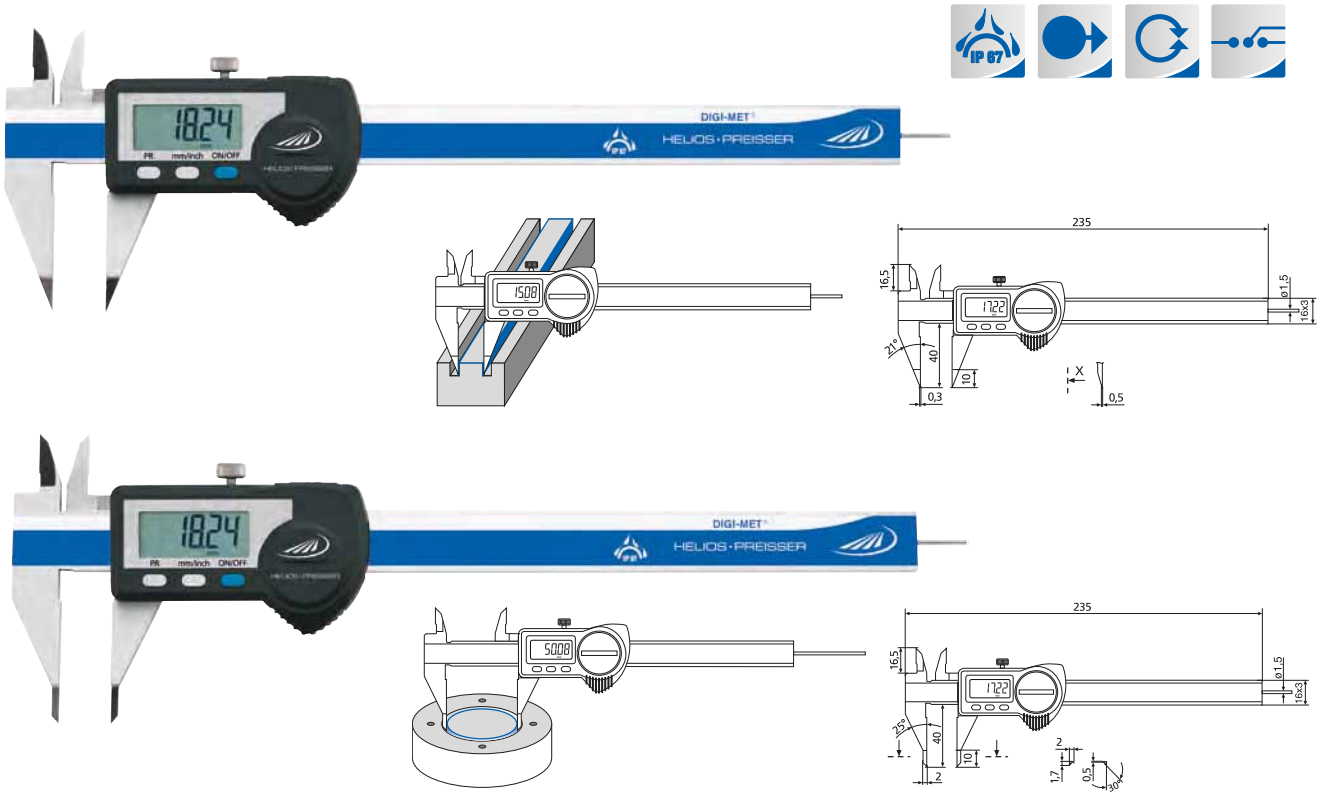
Measuring range mm	Measuring range inch	Jaw length mm	Jaw length inch	Reading mm	Reading inch	Depth gauge	Order no.	List price EUR
Scribing caliper with carbide-tipped outer measuring surfaces								
0 - 200	0 - 8	33	1.3	0.01	.0005	rectangular	1326 912	320.00
With flat measuring surfaces e.g. for outer recesses								
0 - 150	0 - 6	40	1.6	0.01	.0005	round 1.5	1326 920	545.00



1998720 1997501 1998501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to digimatic	1998 501	64.00
Data cable DATA VARIABLE to USB	1998 720	72.00

1326 DIGI-MET® Pocket calipers for specific measuring tasks



Model

- Protection class IP67
- Stainless steel
- LCD display 7.5 mm
- Factory standard
- Measuring system is insensitive to cooling agents and dust
- Housing and operating keys have an excellent chemical resistance
- Inside cross points
- Locking screw

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

Delivery

- Wooden case

		Measuring range		Jaw length		Reading		Order no.	List price
		mm	inch	mm	inch	mm	inch		EUR
With pointed jaws									
		0 - 150	0 - 6	40	1.6	0.01	.0005	1326 916	396.00
With fine measuring tips									
		0 - 150	0 - 6	40	1.6	0.01	.0005	1326 922	447.00



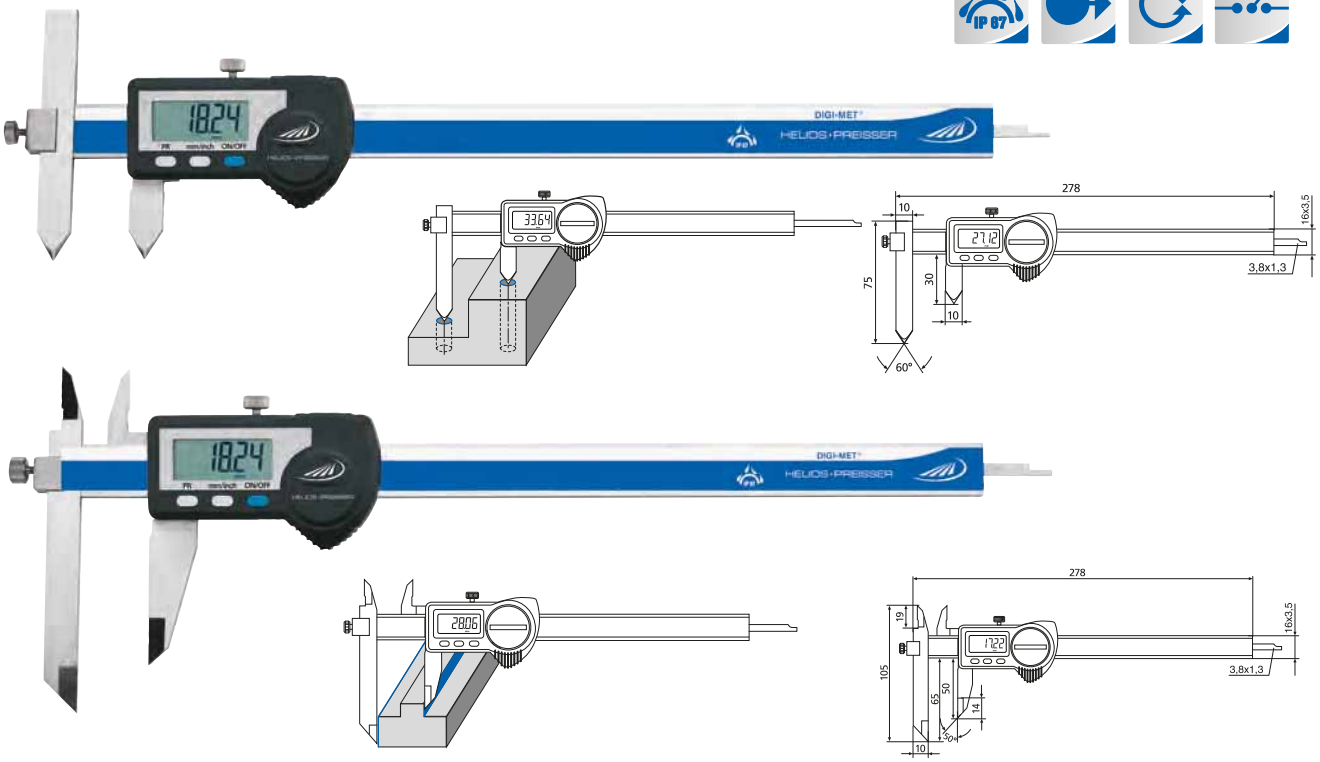
1998720 1998501 1997501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to digimatic	1998 501	64.00
Data cable DATA VARIABLE to USB	1998 720	72.00

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Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1326 DIGI-MET® Pocket calipers for specific measuring tasks



Model

- Protection class IP67
- Stainless steel
- LCD display 7.5 mm
- Factory standard
- Measuring system is insensitive to cooling agents and dust
- Housing and operating keys have an excellent chemical resistance
- Inside cross points
- Locking screw

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

Delivery

- Wooden case

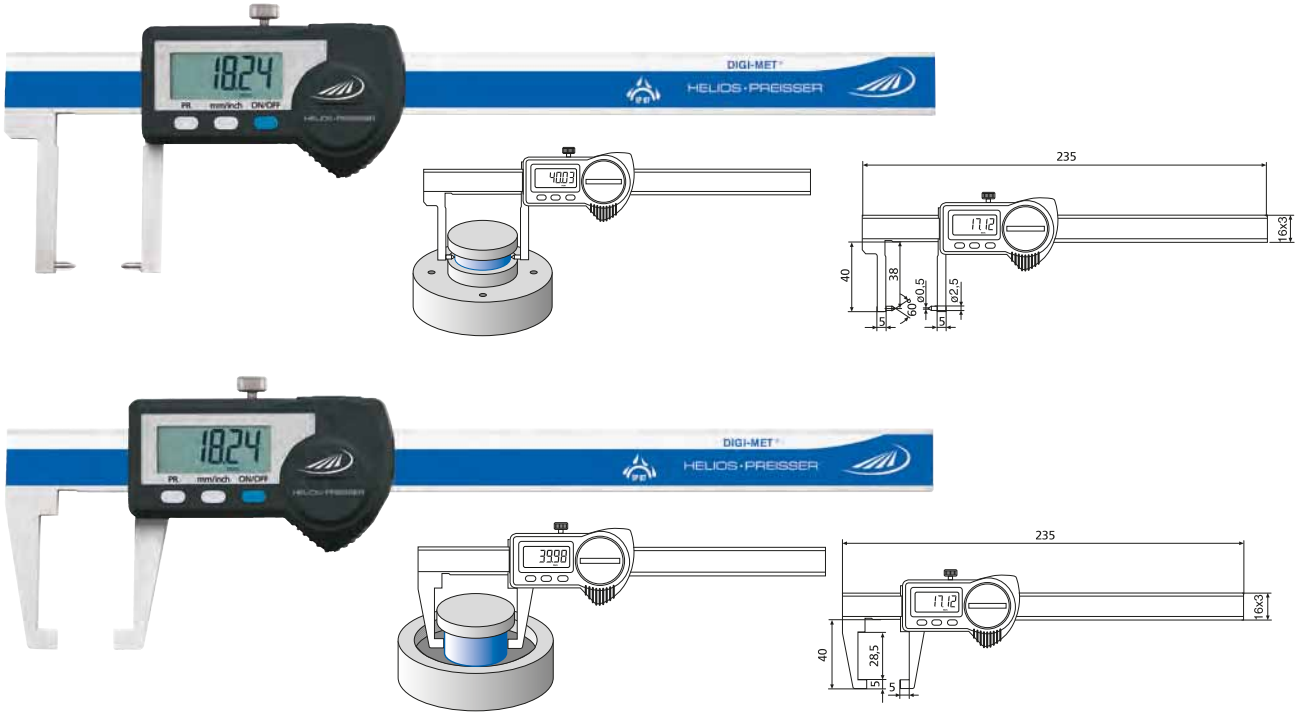
	Measuring range		Jaw length		Reading		Order no.	List price
	mm	inch	mm	inch	mm	inch		EUR
Moving jaws for measuring the distance between bores								
	10 - 210	0.4 - 8.3	75	3.0	0.01	.0005	1326 924	443.00
Moving jaws + cross tips								
	0 - 200	0 - 8	65	2.5	0.01	.0005	1326 928	476.00



1998720 1998501 1997501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to digimatic	1998 501	64.00
Data cable DATA VARIABLE to USB	1998 720	72.00

1326 DIGI-MET® Pocket calipers for specific measuring tasks



Model

- Protection class IP67
- Stainless steel
- LCD display 7.5 mm
- Factory standard
- Measuring system is insensitive to cooling agents and dust
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Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

Delivery

- Wooden case

	Measuring range		Jaw length		Reading		Order no.	List price
	mm	inch	mm	inch	mm	inch		EUR
Measuring tips angled inwards								
	0 - 150	0 - 6	40	1.6	0.01	.0005	1326 904	573.00
Measuring jaws angled inwards								
	0 - 150	0 - 6	40	1.6	0.01	.0005	1326 908	489.00



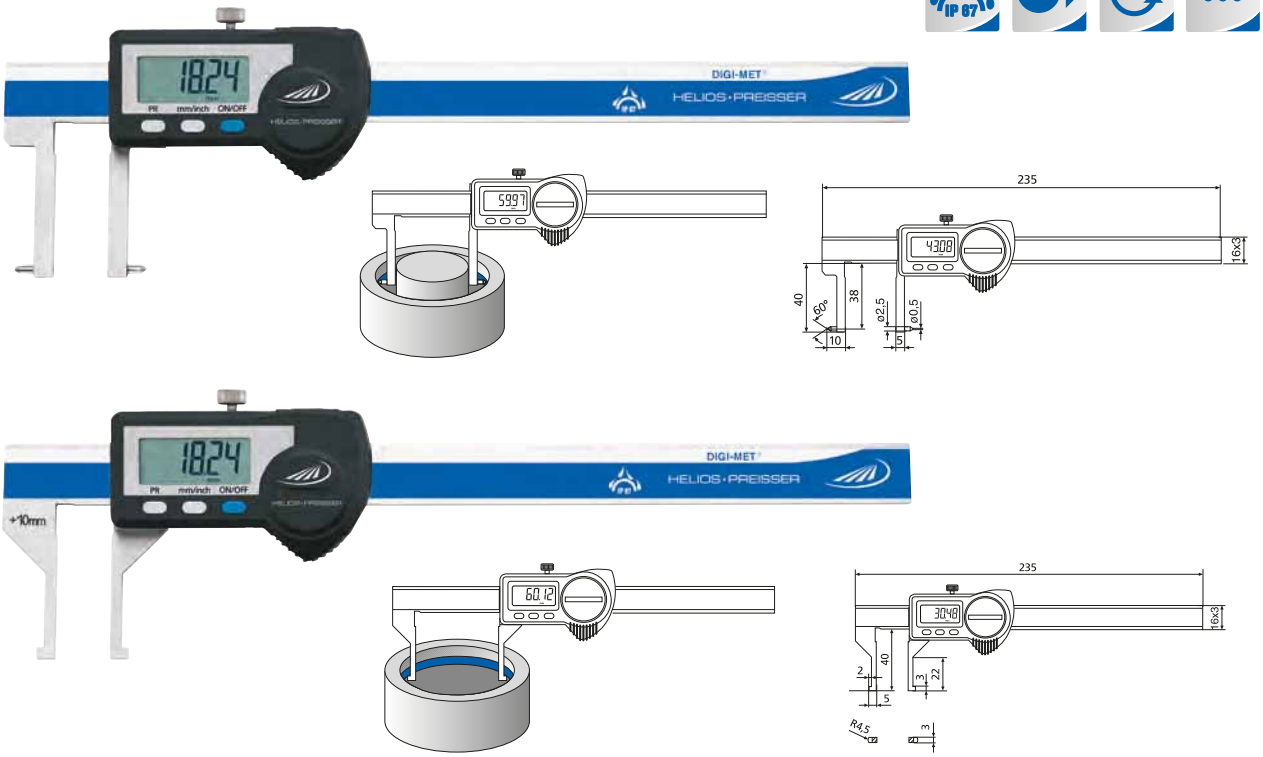
1998720 1997501 1998501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
data cable DATA VARIABLE to RS232	1997 501	50.00
data cable DATA VARIABLE to digimatic	1998 501	64.00
data cable DATA VARIABLE to USB	1998 720	72.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1326 DIGI-MET® Pocket calipers for specific measuring tasks



Model

- Protection class IP67
- Stainless steel
- LCD display 7.5 mm
- Factory standard
- Measuring system is insensitive to cooling agents and dust
- Housing and operating keys have an excellent chemical resistance
- Inside cross points
- Locking screw

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

Delivery

- Wooden case

Measuring range mm	Measuring range inch	Jaw length mm	Jaw length inch	Reading mm	Reading inch	Order no.	List price EUR
Measuring tips angled outwards							
20.5 - 170	0.8 - 6.7	40	1.6	0.01	.0005	1326 906	568.00
Measuring jaws angled outwards							
10.5 - 160	0.4 - 6.3	40	1.6	0.01	.0005	1326 910	562.00



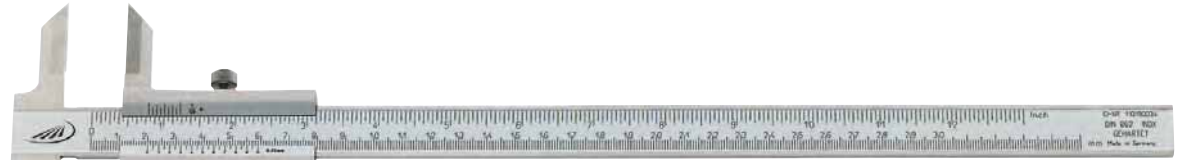
1998720 1997501 1998501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to digimatic	1998 501	64.00
Data cable DATA VARIABLE to USB	1998 720	72.00

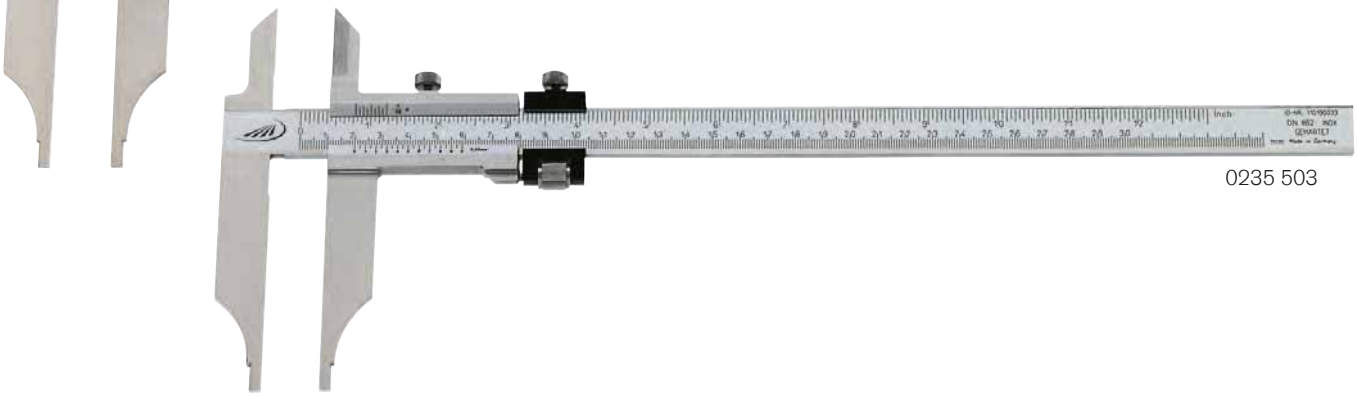
= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

0234 / 0235 Workshop calipers

DIN 862



0234 503



0235 503

Model

- Stainless steel
- Vernier and reading parts have a satin chrome finish
- DIN 862
- Locking screw
- Knife points
- Stepped jaws for inside measurement: 10 mm, 20 mm* and 30 mm**
- Low-set master scale
- High-precision laser graduation on vernier and scale

Delivery

- From 1000 mm measuring range individually packed

⋈		Measuring range		Jaw length		Reading		Error limit	Order no.	List price
		mm	inch	mm	inch	mm	inch	mm		EUR
Without fine adjustment										
▪		0 - 300	0 - 12	90	3.5	0.05	1/128	0.05	0234 503	164.00
▪		0 - 500	0 - 20	150	6.0	0.05		0.07	0234 508*	489.00
▪		0 - 800	0 - 31	150	6.0	0.05		0.1	0234 514*	628.00
▪		0 - 1000	0 - 39	150	6.0	0.05		0.12	0234 518*	754.00
	▪	0 - 1500	0 - 59	200	8.0	0.05		0.18	0234 524**	1585.00
	▪	0 - 2000	0 - 79	200	8.0	0.05		0.22	0234 526**	2321.00
With fine adjustment										
▪		0 - 300	0 - 12	90	3.5	0.05	1/128	0.05	0235 503	189.00
▪		0 - 500	0 - 20	150	6.0	0.05		0.07	0235 508*	528.00
▪		0 - 800	0 - 31	150	6.0	0.05		0.1	0235 514*	692.00
▪		0 - 1000	0 - 39	150	6.0	0.05		0.12	0235 518*	817.00
	▪	0 - 1500	0 - 59	200	8.0	0.05		0.18	0235 524**	1681.00
	▪	0 - 2000	0 - 79	200	8.0	0.05		0.22	0235 526**	2476.00

Marked ▪ = excess length/excess weight

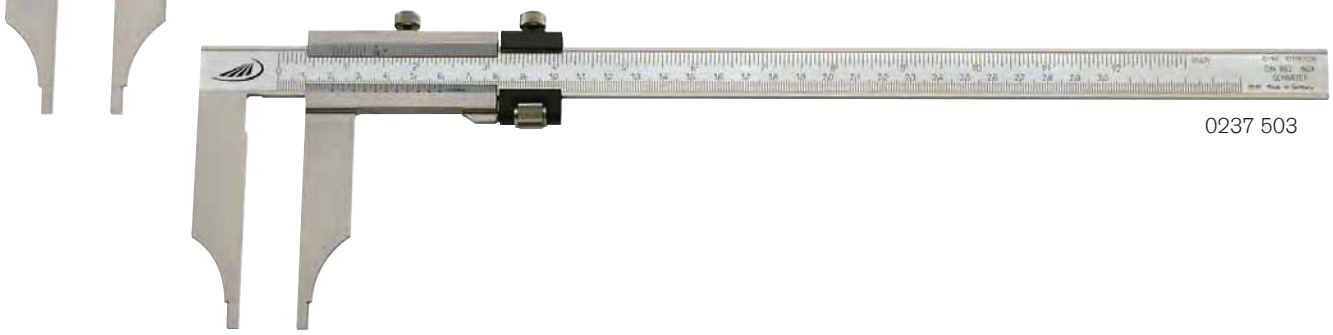
Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0236 / 0237 Workshop calipers

DIN 862



0236 503



0237 503

Model

- Stainless steel
- Vernier and reading parts have a satin chrome finish
- Factory standard
- Locking screw
- Fine adjustment
- Low-set master scale
- Stepped jaws for inside measurement: 10 mm, 20 mm*, 30 mm** and 50 mm
- High-precision laser graduation on vernier and scale

Delivery

- From 1000 mm measuring range individually packed

		Measuring range		Jaw length		Reading		Error limit	Order no.	List price
		mm	inch	mm	inch	mm	inch	mm		EUR
Without fine adjustment										
▪		0 - 300	0 - 12	90	3.5	0.05	1/128	0.05	0236 503	146.00
▪		0 - 500	0 - 20	150	6.0	0.05		0.07	0236 508*	407.00
▪		0 - 800	0 - 31	150	6.0	0.05		0.1	0236 514*	504.00
▪		0 - 1000	0 - 39	150	6.0	0.05		0.12	0236 518**	629.00
	▪	0 - 1500	0 - 59	200	8.0	0.05		0.18	0236 524**	1387.00
	▪	0 - 2000	0 - 79	200	8.0	0.05		0.22	0236 526	2090.00
With fine adjustment										
▪		0 - 300	0 - 12	90	3.5	0.05	1/128	0.05	0237 503	174.00
▪		0 - 500	0 - 20	150	6.0	0.05		0.07	0237 508*	457.00
▪		0 - 800	0 - 31	150	6.0	0.05		0.1	0237 514*	567.00
▪		0 - 1000	0 - 39	150	6.0	0.05		0.12	0237 518*	693.00
	▪	0 - 1500	0 - 59	200	8.0	0.05		0.18	0237 524**	1484.00
	▪	0 - 2000	0 - 79	200	8.0	0.05		0.22	0237 526**	2249.00

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

0236 / 0237 Workshop calipers with long measuring jaws



Model

- Stainless steel
- Vernier and reading parts have a satin chrome finish
- Factory standard
- Locking screw
- Low-set master scale
- Stepped jaws for inside measurement: 10 mm, 20 mm*, 30 mm** and 50 mm
- High-precision laser graduation on vernier and scale

Delivery

- Cardboard box up to measuring range 1000 mm, larger measuring ranges are individually packed

⋈		Measuring range		Jaw length		Reading		Error limit	Order no.	List price
		mm	inch	mm	inch	mm	inch	mm		EUR
Without fine adjustment										
		0 - 300	12	150	6.0	0.05	1/128	0.1	0236 504	258.00
		0 - 500	20	200	8.0	0.05		0.14	0236 509*	536.00
		0 - 500	20	250	10.0	0.05		0.14	0236 510*	640.00
		0 - 800	31	200	8.0	0.05		0.2	0236 515*	779.00
		0 - 800	31	300	12.0	0.05		0.2	0236 516*	994.00
		0 - 800	31	400	16.0	0.05		0.2	0236 517**	1166.00
		0 - 1000	39	200	8.0	0.05		0.24	0236 519*	956.00
		0 - 1000	39	300	12.0	0.05		0.24	0236 520*	1206.00
		0 - 1000	39	500	20.0	0.05		0.24	0236 521**	1647.00
	▪	0 - 1500	59	300	12.0	0.05		0.36	0236 525**	1692.00
	▪	0 - 2000	79	300	12.0	0.05		0.44	0236 527**	2506.00
With fine adjustment										
		0 - 300	0 - 12	150	6.0	0.05	1/128	0.1	0237 504	283.00
		0 - 400	0 - 16	200	8.0	0.05		0.12	0237 507*	534.00
		0 - 500	0 - 20	200	8.0	0.05		0.14	0237 509*	586.00
		0 - 500	0 - 20	250	10.0	0.05		0.14	0237 510*	691.00
		0 - 800	0 - 31	200	8.0	0.05		0.2	0237 515*	843.00
		0 - 800	0 - 31	300	12.0	0.05		0.2	0237 516*	1055.00
		0 - 800	0 - 31	400	16.0	0.05		0.2	0237 517**	1231.00
		0 - 1000	0 - 39	200	8.0	0.05		0.24	0237 519*	1016.00
		0 - 1000	0 - 39	300	12.0	0.05		0.24	0237 520*	1269.00
		0 - 1000	0 - 39	500	20.0	0.05		0.24	0237 521**	1713.00
	▪	0 - 1500	0 - 59	300	12.0	0.05		0.36	0237 525**	1792.00
	▪	0 - 2000	0 - 79	300	12.0	0.05		0.44	0237 527**	2663.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0230 / 0231 Workshop calipers with parallax-free reading

DIN 862



0230 503



0231 503

Model

- **Parallax-free reading**
- Stainless steel
- Reading parts have a satin chrome finish
- DIN 862
- Locking screw
- Knife points
- Stepped jaws for inside measurement: 10 mm, for measuring range 500 mm: 20 mm
- Direct reading of internal and external measurements
- High-precision laser graduation on vernier and scale

Delivery

- Cardboard box

		Measuring range		Jaw length		Reading	Error limit	Order no.	List price
		mm	inch	mm	inch	mm	mm		EUR
Without fine adjustment									
▪		0 - 300	0 - 12	90	3.5	0.05	0.05	0230 503	178.00
▪		0 - 500	0 - 20	150	6.0	0.05	0.07	0230 508	510.00
With fine adjustment									
▪		0 - 300	0 - 12	90	3.5	0.05	0.05	0231 503	205.00
▪		0 - 500	0 - 20	150	6.0	0.05	0.07	0231 508	557.00

0238 Lightweight workshop calipers



Model

- To reduce weight, both, slide and beam, are made of aluminium, with a hard anodized surface coating (1100 HV)
- Measuring faces are made of hardened stainless steel
- Factory standard
- Parallax-free reading
- Smooth running due to double V-guide
- Locking screw
- Knife points
- Stepped jaws for inside measurement 20 mm

Delivery

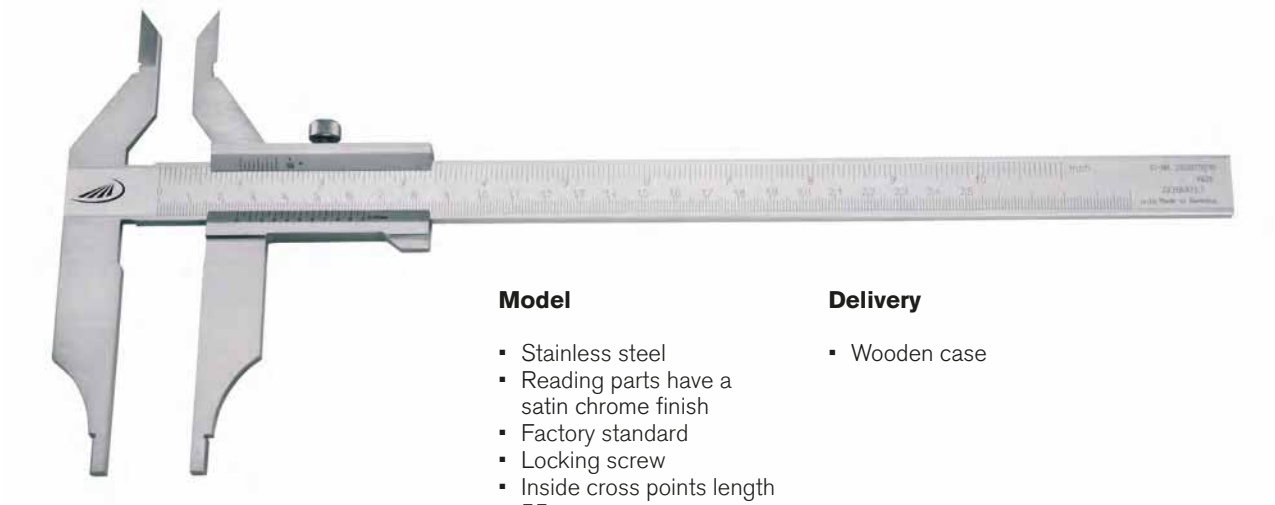
- Wooden case for calipers up to 1000 mm, larger measuring ranges are packed into cardboard boxes

⋈		Measuring range	Jaw length	Reading	Error limit	Order no.	List price
		mm	mm	mm	mm		EUR
		0 - 300	90	0.02	0.05	0238 503	379.00
		0 - 500	150	0.02	0.07	0238 508	542.00
		0 - 800	150	0.02	0.1	0238 514	724.00
		0 - 1000	150	0.02	0.12	0238 518	848.00
	▪	0 - 1500	200	0.05	0.17	0238 524	2199.00
	▪	0 - 2000	200	0.05	0.22	0238 526	2560.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0265 Caliper with cross points



Model

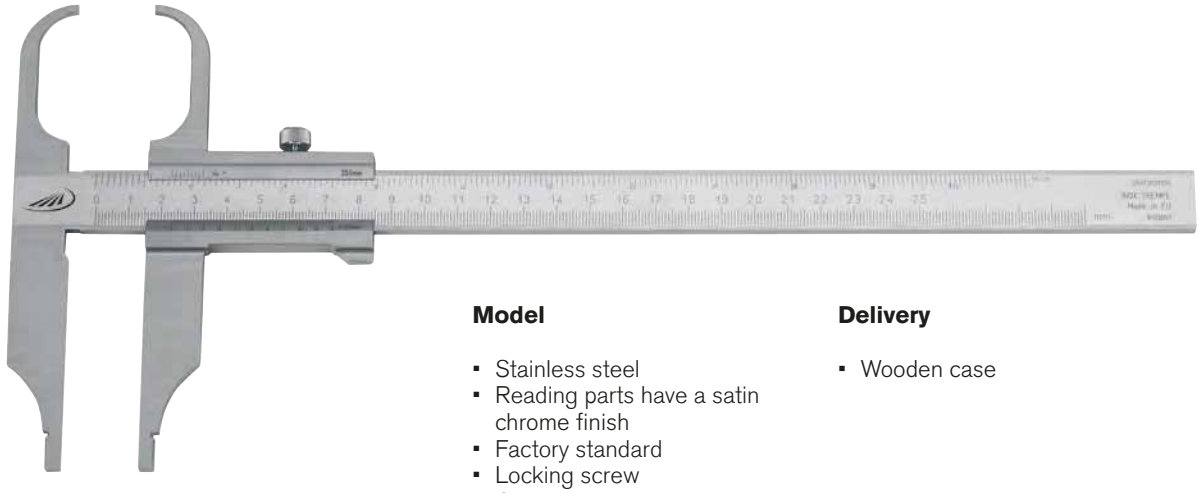
- Stainless steel
- Reading parts have a satin chrome finish
- Factory standard
- Locking screw
- Inside cross points length 55 mm

Delivery

- Wooden case

Measuring range	Jaw length		Reading	Error limit	Order no.	List price
mm	mm	inch	mm	mm		EUR
0 - 250	80	3.1	0.02	0.03	0265 52005	270.00

0266 Caliper with gripper points



Model

- Stainless steel
- Reading parts have a satin chrome finish
- Factory standard
- Locking screw
- Gripper points length 55 mm

Delivery

- Wooden case

Measuring range	Jaw length		Reading	Error limit	Order no.	List price
mm	mm	inch	mm	mm		EUR
0 - 250	75	3.0	0.02	0.03	0266 52005	362.00

1330 / 1331 DIGI-MET® Workshop calipers



Model

- Stainless steel
- Inductive measuring system, resistant to damp and sweat
- DIN 862
- Knife points
- LCD display:
  - 10 mm with measuring range 300 mm;
  - 12.5 mm from measuring range 500 mm
- Locking screw

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

Delivery

- Wooden case

⋈		Measuring range		Jaw length		Reading		Stepped jaws	Error limit	Order no.	List price
		mm	inch	mm	inch	mm	inch	mm	mm		EUR
With knife points, without fine adjustment											
▪		0 - 300	0 - 12	90	3.5	0.01	.0005	10	0.03	1330 522	398.00
▪		0 - 500	0 - 20	125	5.0	0.01	.0005	20	0.03	1330 528	607.00
▪		0 - 800	0 - 31	150	6.0	0.01	.0005	20	0.04	1330 532	992.00
▪		0 - 1000	0 - 39	150	6.0	0.01	.0005	20	0.04	1330 534	1200.00
With knife points, with fine adjustment											
▪		0 - 300	0 - 12	90	3.5	0.01	.0005	10	0.03	1331 522	462.00
▪		0 - 500	0 - 20	125	5.0	0.01	.0005	20	0.03	1331 528	681.00
▪		0 - 800	0 - 31	150	6.0	0.01	.0005	20	0.04	1331 532	1049.00
▪		0 - 1000	0 - 39	150	6.0	0.01	.0005	20	0.04	1331 534	1206.00



1998720 1997501 1998501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to USB	1998 720	72.00
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to Digimatic	1998 501	64.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1334 / 1335 DIGI-MET® Workshop calipers



Model

- Stainless steel
- Inductive measuring system, resistant to damp and sweat
- DIN 862
- LCD display:
- 10 mm with measuring range 300 mm;
- 12.5 mm from measuring range 500 mm
- Locking screw

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

Delivery

- Wooden case

		Measuring range		Jaw length		Reading		Stepped jaws	Error limit	Order no.	List price
		mm	inch	mm	inch	mm	inch	mm	mm		EUR
Without fine adjustment											
▪		0 - 300	0 - 12	90	3.5	0.01	.0005	10	0.03	1334 522	369.00
▪		0 - 500	0 - 20	125	5.0	0.01	.0005	20	0.03	1334 528	518.00
▪		0 - 800	0 - 31	150	6.0	0.01	.0005	20	0.04	1334 532	905.00
▪		0 - 1000	0 - 39	150	6.0	0.01	.0005	20	0.04	1334 534	1071.00
With fine adjustment											
▪		0 - 300	0 - 12	90	3.5	0.01	.0005	10	0.03	1335 522	422.00
▪		0 - 500	0 - 20	125	5.0	0.01	.0005	20	0.03	1335 528	596.00
▪		0 - 800	0 - 31	150	6.0	0.01	.0005	20	0.04	1335 532	973.00
▪		0 - 1000	0 - 39	150	6.0	0.01	.0005	20	0.04	1335 534	1118.00



1998720 1997501 1998501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to USB	1998 720	72.00
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to Digimatic	1998 501	64.00

1340 / 1341 DIGI-MET® Workshop calipers IP65



Model

- Stainless steel
- Inductive measuring system, protection class IP65
- DIN 862
- Knife points
- LCD display:

- 10 mm with measuring range 300 mm;
- 12.5 mm from measuring range 500 mm

- Locking screw

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

Delivery

- Wooden case

		Measuring range		Jaw length		Reading		Stepped jaws	Error limit	Order no.	List price
		mm	inch	mm	inch	mm	inch	mm	mm		EUR
With knife points, without fine adjustment											
▪		0 - 300	0 - 12	90	3.5	0.01	.0005	10	0.03	1340 522	431.00
▪		0 - 500	0 - 20	125	5.0	0.01	.0005	20	0.03	1340 528	822.00
▪		0 - 800	0 - 31	150	6.0	0.01	.0005	20	0.04	1340 532	1110.00
▪		0 - 1000	0 - 39	150	6.0	0.01	.0005	20	0.04	1340 534	1365.00
With knife points, with fine adjustment											
▪		0 - 300	0 - 12	90	3.5	0.01	.0005	10	0.03	1341 522	488.00
▪		0 - 500	0 - 20	125	5.0	0.01	.0005	20	0.03	1341 528	878.00
▪		0 - 800	0 - 31	150	6.0	0.01	.0005	20	0.04	1341 532	1165.00
▪		0 - 1000	0 - 39	150	6.0	0.01	.0005	20	0.04	1341 534	1420.00


1998720 1997501 1998501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to USB	1998 720	72.00
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to digimatic	1998 501	64.00

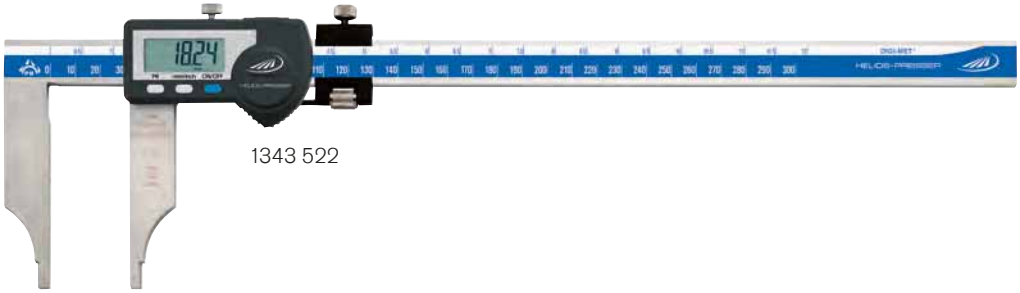
Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1342 / 1343 DIGI-MET® Workshop calipers IP65



1342 522



1343 522

Model

- Stainless steel
- Inductive measuring system, protection class IP65
- DIN 862
- LCD display:
- 10 mm with measuring range 300 mm;
- 12.5 mm from measuring range 500 mm
- Locking screw

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

Delivery

- Wooden case

		Measuring range		Jaw length		Reading		Stepped jaws	Error limit	Order no.	List price
		mm	inch	mm	inch	mm	inch	mm	mm		EUR
Without fine adjustment											
▪		0 - 300	0 - 12	90	3.5	0.01	.0005	10	0.03	1342 522	396.00
▪		0 - 500	0 - 20	125	5.0	0.01	.0005	20	0.03	1342 528	731.00
▪		0 - 800	0 - 31	150	6.0	0.01	.0005	20	0.04	1342 532	1012.00
▪		0 - 1000	0 - 39	150	6.0	0.01	.0005	20	0.04	1342 534	1259.00
With fine adjustment											
▪		0 - 300	0 - 12	90	3.5	0.01	.0005	10	0.03	1343 522	452.00
▪		0 - 500	0 - 20	125	5.0	0.01	.0005	20	0.03	1343 528	788.00
▪		0 - 800	0 - 31	150	6.0	0.01	.0005	20	0.04	1343 532	1068.00
▪		0 - 1000	0 - 39	150	6.0	0.01	.0005	20	0.04	1343 534	1314.00



1998720



1997501



1998501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to USB	1998 720	72.00
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to digimatic	1998 501	64.00

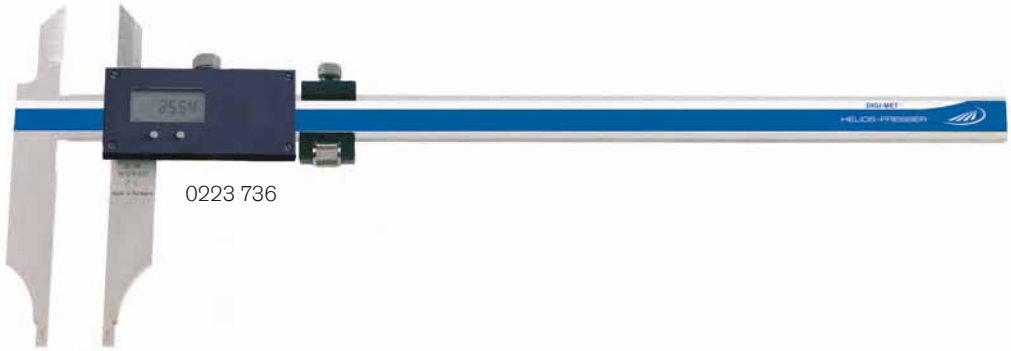
= **Q**uick**L**ock = **Q**uick**S**tart = Waterproof acc. IP = Data output = DIN

0222 / 0223 DIGI-MET® Workshop calipers long version

OPTO



0222 736



0223 736

Model

- Stainless steel
- LCD display 10 mm
- Locking screw
- Knife points
- Factory standard
- Stepped jaws: 30 mm

Functions

- ON / OFF
- Set to zero at any point
- mm / inch switching
- Hold
- Data output Opto RS 232
- PRESET-Function (setting a numerical value)

Delivery

- Wooden case

		Measuring range		Jaw length		Reading		Error limit	Order no.	List price
		mm	inch	mm	inch	mm	inch	mm		EUR
With knife points, without fine adjustment										
	▪	0 - 1500	0 - 59	200	8.0	0.01	.0005	0.1	0222 734	2677.00
	▪	0 - 2000	0 - 79	200	8.0	0.01	.0005	0.12	0222 736	3212.00
With knife points, with fine adjustment										
	▪	0 - 1500	0 - 59	200	8.0	0.01	.0005	0.1	0223 734	2856.00
	▪	0 - 2000	0 - 79	200	8.0	0.01	.0005	0.12	0223 736	3309.00



0996705 0996701

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable opto to RS232	0996 701	77.00
Data cable opto to USB	0996 705	147.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0224 / 0225 DIGI-MET® Workshop calipers long version

OPTO



0224 736



0225 736

Model

- Stainless steel
- LCD display 10 mm
- Locking screw
- Without knife points
- Factory standard
- Stepped jaws: 30 mm

Functions

- ON / OFF
- Set to zero at any point
- mm / inch switching
- Hold
- Data output Opto RS 232
- PRESET-Function (setting a numerical value)

Delivery

- Wooden case

		Measuring range		Jaw length		Reading		Error limit	Order no.	List price
		mm	inch	mm	inch	mm	inch	mm		EUR
Without fine adjustment										
	▪	0 - 1500	0 - 59	200	8.0	0.01	.0005	0.1	0224 734	2421.00
	▪	0 - 2000	0 - 79	200	8.0	0.01	.0005	0.12	0224 736	2934.00
With fine adjustment										
	▪	0 - 1500	0 - 59	200	8.0	0.01	.0005	0.1	0225 734	2552.00
	▪	0 - 2000	0 - 79	200	8.0	0.01	.0005	0.12	0225 736	3029.00



0996705



0996701

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable opto to RS232	0996 701	77.00
Data cable opto to USB	0996 705	147.00

1351 DIGI-MET® Workshop calipers with cross points



1351 522



1351 622

Model

- Stainless steel
- DIN 862
- Protection class IP65
- LCD display
- 10 mm with measuring range 300 mm;
- 12.5 mm from measuring range 500 mm
- Locking screw
- Inside cross points
- Three way measurement

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

Delivery

- Wooden case

		Measuring range		Jaw length		Reading		Error limit	Order no.	List price
		mm	inch	mm	inch	mm	inch	mm		EUR
Without fine adjustment										
		0 - 300	0 - 12	90	3.5	0.01	.0005	0.03	1351 522	554.00
		0 - 500	0 - 20	125	5.0	0.01	.0005	0.03	1351 528	717.00
With fine adjustment										
		0 - 300	0 - 12	90	3.5	0.01	.0005	0.03	1351 622	591.00
		0 - 500	0 - 20	125	5.0	0.01	.0005	0.03	1351 628	784.00



1998720



1997501



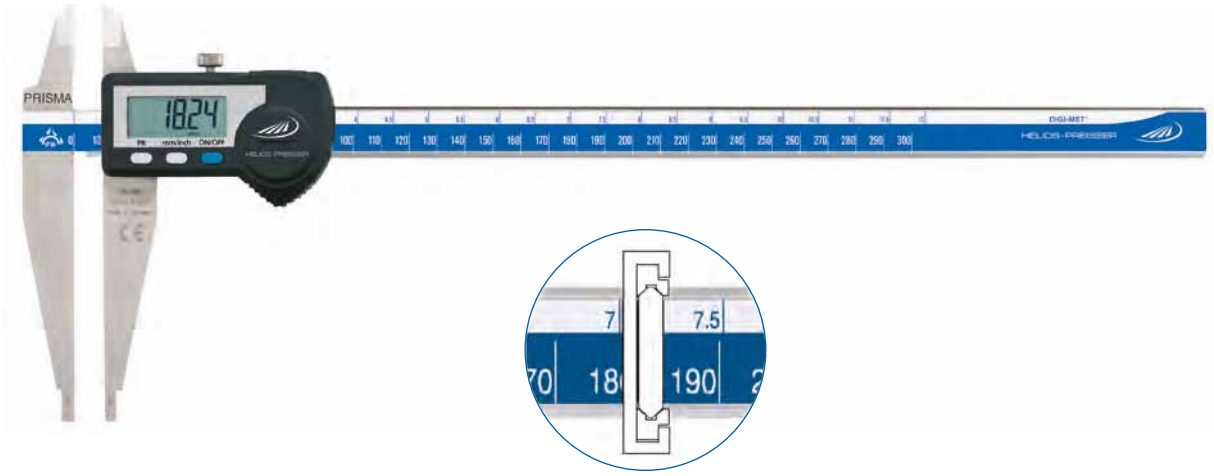
1998501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to USB	1998 720	72.00
Data cable DATA VARIABLE to digimatic	1998 501	64.00
Data cable DATA VARIABLE to RS232	1997 501	50.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1338 DIGI-MET® Workshop caliper PRISMA



Model

- Double prisma guide with excellent sliding characteristics
- Stainless steel
- Accuracy in accordance to DIN 862
- Protection class IP65
- LCD display 10 mm
- Locking screw
- Knife points
- Stepped jaws for inside measurement 10 mm

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

Delivery

- Wooden case

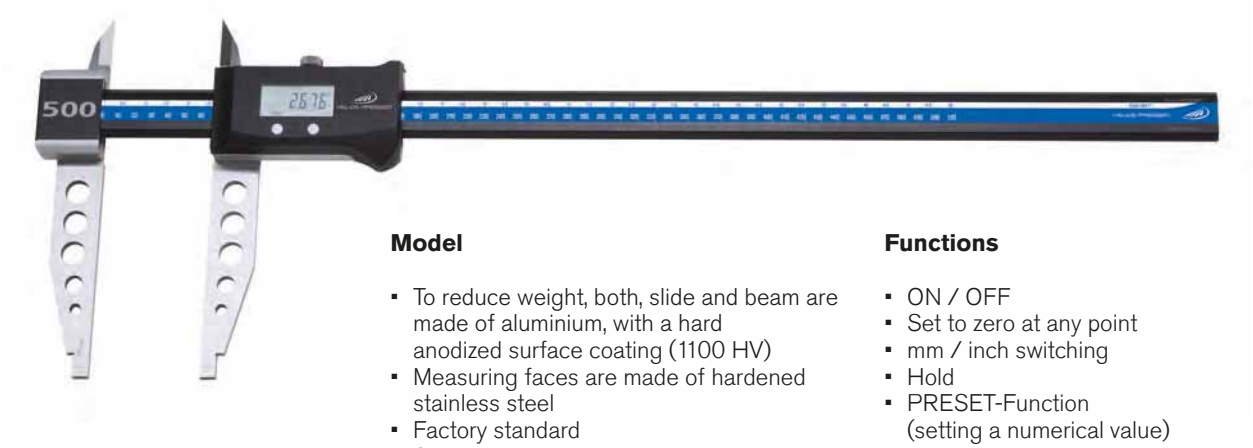
		Measuring range		Jaw length		Reading		Error limit	Order no.	List price
		mm	inch	mm	inch	mm	inch	mm		EUR
▪		0 - 300	0 - 12	90	3.5	0.01	.0005	0.03	1338 522	475.00



1998720 1997501 1998501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to digimatic	1998 501	64.00
Data cable DATA VARIABLE to USB	1998 720	72.00

0228 DIGI-MET® Workshop calipers, lightweight



Model

- To reduce weight, both, slide and beam are made of aluminium, with a hard anodized surface coating (1100 HV)
- Measuring faces are made of hardened stainless steel
- Factory standard
- Smooth movement due to the double V-guide
- LCD display
- Locking screw
- Knife points

Functions

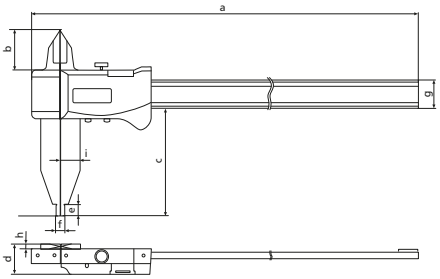
- ON / OFF
- Set to zero at any point
- mm / inch switching
- Hold
- PRESET-Function (setting a numerical value)

Delivery

- Wooden case

⋈		Measuring range		Jaw length		Reading		Error limit	Order no.	List price
		mm	inch	mm	inch	mm	inch	mm		EUR
		0 - 300	0 - 12	90	3.5	0.01	.0005	0.03	0228 701	493.00
		0 - 500	0 - 20	150	6.0	0.01	.0005	0.03	0228 702	686.00
		0 - 800	0 - 31	150	6.0	0.01	.0005	0.08	0228 703	964.00
		0 - 1000	0 - 39	150	6.0	0.01	.0005	0.08	0228 704	1137.00
	▪	0 - 1500	0 - 59	150	6.0	0.01	.0005	0.1	0228 724	2869.00
	▪	0 - 2000	0 - 79	150	6.0	0.01	.0005	0.12	0228 726	3410.00

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90

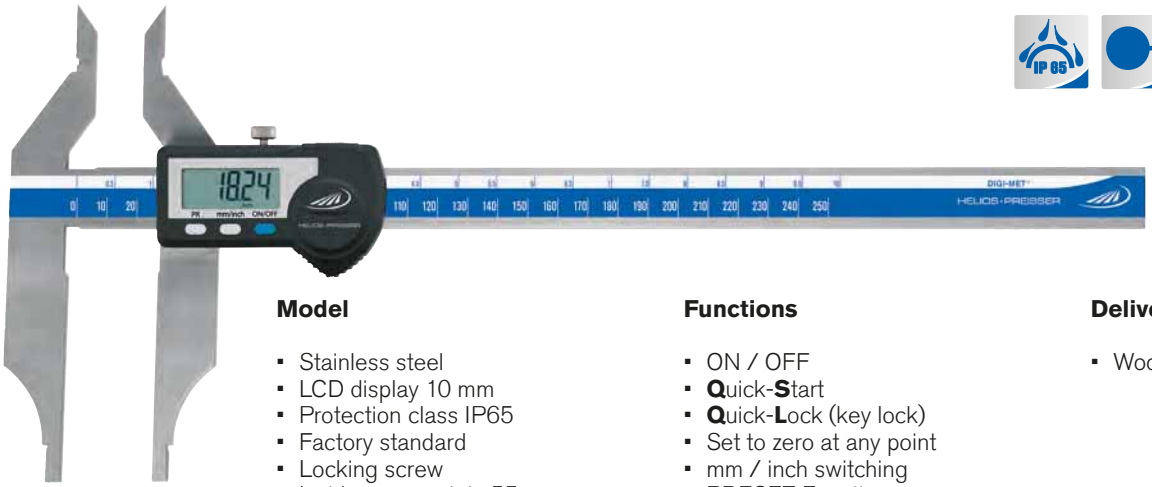


Measuring range mm	a	b	c	d	e	f	g	h	i
300	450	33	90	24.5	10	10	25.0	4.5	17.0
500	726	42	150	33.5	15	20	31.9	6.0	29.0
800	1026	42	150	33.5	15	20	31.9	6.0	29.0
1000	1226	42	150	33.5	15	20	31.9	6.0	29.0
1500	1726	42	150	33.5	15	20	31.9	6.0	29.0
2000	2226	42	150	33.5	15	20	31.9	6.0	29.0

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1351 DIGI-MET® Caliper with cross points



Model

- Stainless steel
- LCD display 10 mm
- Protection class IP65
- Factory standard
- Locking screw
- Inside cross points 55 mm

Functions

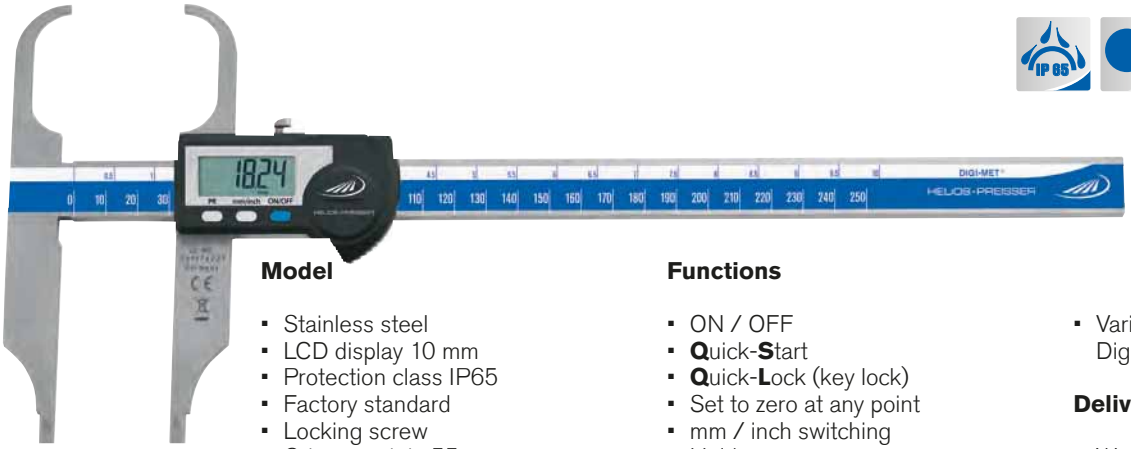
- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

Delivery

- Wooden case

Measuring range		Jaw length		Reading		Error limit	Order no.	List price
mm	inch	mm	inch	mm	inch	mm		EUR
0 - 250	0 - 10	80	3.2	0.01	.0005	0.03	1351 920	499.00

1354 DIGI-MET® Caliper with gripper points



Model

- Stainless steel
- LCD display 10 mm
- Protection class IP65
- Factory standard
- Locking screw
- Gripper points 55 mm

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- Hold
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

Delivery

- Wooden case

Measuring range		Jaw length		Reading		Error limit	Order no.	List price
mm	inch	mm	inch	mm	inch	mm		EUR
0 - 250	0 - 10	75	3.0	0.01	.0005	0.03	1354 520	590.00



1998720 1997501 1998501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to digimatic	1998 501	64.00
Data cable DATA VARIABLE to USB	1998 720	72.00

1320 DIGI-MET® Pocket caliper with 40 mm inside cross points



Model

- Inductive measuring system, resistent to damp and sweat
- Stainless steel
- LCD display 7.5 mm
- DIN 862
- Locking screw
- Inside cross points
- Four way measurement

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- Variable data output RS 232 + Digimatic + USB

Delivery

- Plastic case

⋈		Measuring range		Jaw length		Reading		Error limit	Depth gauge	Order no.	List price
		mm	inch	mm	inch	mm	inch	mm	dia. mm		EUR
▪		0 - 150	0 - 6	40	1.6	0.01	.0005	0.03	round 1.5	1320 518	395.00


1998720


1998501

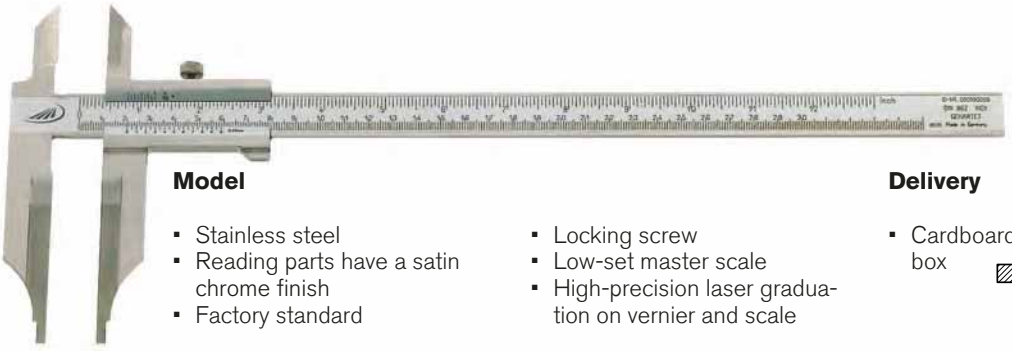

1997501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to digimatic	1998 501	64.00
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to USB	1998 720	72.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0262 Caliper for external locking groves

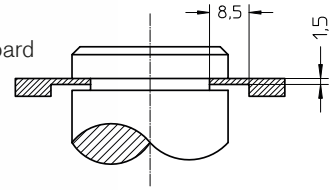


Model

- Stainless steel
- Reading parts have a satin chrome finish
- Factory standard
- Locking screw
- Low-set master scale
- High-precision laser graduation on vernier and scale

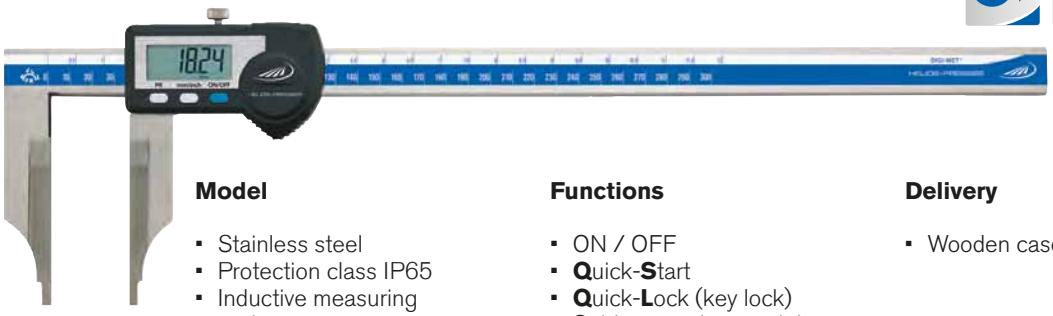
Delivery

- Cardboard box



Measuring range		Jaw length		Reading		Error limit	Order no.	List price
mm	inch	mm	inch	mm	inch	mm		EUR
0 - 300	0 - 12	90	3.5	0.05	1/128	0.03	0262 503	271.00

1353 DIGI-MET® Caliper for external locking grooves



Model

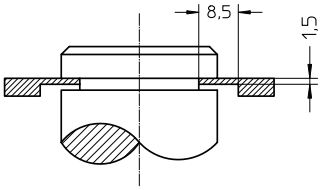
- Stainless steel
- Protection class IP65
- Inductive measuring system
- LCD display 10 mm
- Locking screw
- Factory standard

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

Delivery

- Wooden case



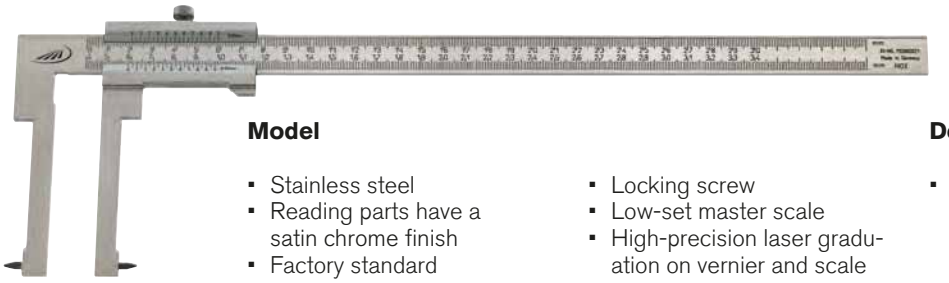
Measuring range		Jaw length		Reading		Error limit	Order no.	List price
mm	inch	mm	inch	mm	inch	mm		EUR
0 - 300	0 - 12	90	3.5	0.01	.0005	0.03	1353 522	491.00



1998720 1997501 1998501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to digimatic	1998 501	64.00
Data cable DATA VARIABLE to USB	1998 720	72.00

0252 Brake drum vernier calipers



Model

- Stainless steel
- Reading parts have a satin chrome finish
- Factory standard
- Locking screw
- Low-set master scale
- High-precision laser graduation on vernier and scale

Delivery

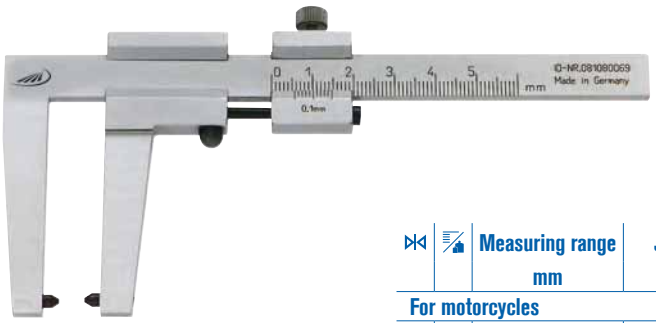
- Cardboard box

⋈		Measuring range internal mm	Measuring range external mm	Jaw length mm	Reading mm	Error limit mm	Order no.	List price EUR
		40 - 300	0 - 300	90	0.05	0.1	0252 201	143.00
		50 - 500	0 - 500	150	0.05	0.14	0252 202	275.00
		50 - 600	0 - 600	200	0.05	0.16	0252 203	301.00

0252 Replacement points (pair) for brake drum vernier calipers

⋈		Description	Order no.	List price EUR
		For measuring range 300 mm	0252 291	4.40
		For measuring range 500 + 600 mm	0252 293	5.40

0253 Brake disc inspection gauges



Model

- Special steel
- Reading parts have a satin chrome finish
- Factory standard
- Locking screw
- With trailing vernier
- High-precision laser graduation on vernier and scale

Delivery

- Cardboard box

⋈		Measuring range mm	Jaw length mm	Reading mm	Error limit mm	Order no.	List price EUR
For motorcycles							
		0 - 50	30	0.1	0.1	0253 300	84.00
For cars							
		0 - 50	50	0.1	0.14	0253 301	84.00
		0 - 60	80	0,1	0,14	0253 311	109.00
For trucks							
		0 - 80	50	0.1	0.16	0253 302	107.00

0253 Replacement points (pair) for brake disc inspection gauges

⋈		Order no.	List price EUR
		0253 391	3.90

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1352 DIGI-MET® Calipers for internal grooves



Model

- Stainless steel
- LCD display 7.5 mm
- Factory standard
- Locking screw
- IP67: up to 200 mm
- IP65: 250 and 300 mm

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB
- Setting ring sold seperately

Delivery

- Wooden case

Measuring range	Jaw length		Reading		Error limit	Order no.	List price
mmm	mm	inch	mm	inch	mm		EUR
10 - 160	25	1.0	0.01	.0005	0.06	1352 516	388.00
20 - 160	40	1.5	0.01	.0005	0.06	1352 517	437.00
26 - 200	60	2.3	0.01	.0005	0.06	1352 518	800.00
30 - 250	80	3.1	0.01	.0005	0.06	1352 520	900.00
35 - 300	100	3.9	0.01	.0005	0.06	1352 522	939.00

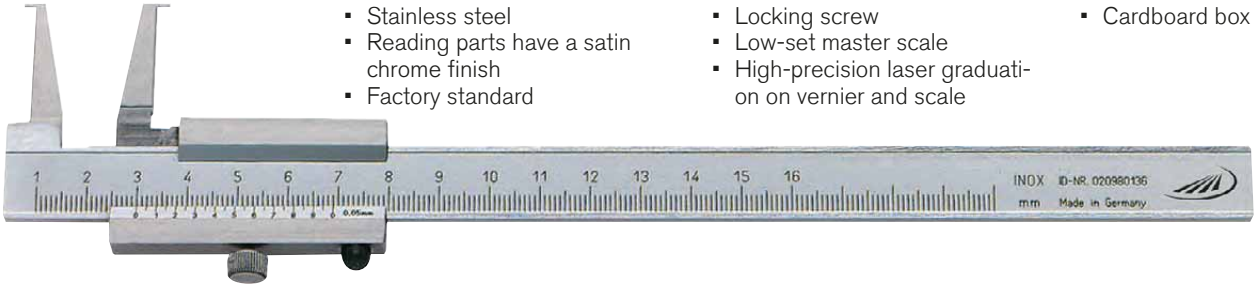
0258 Calipers for internal grooves

Model

- Stainless steel
- Reading parts have a satin chrome finish
- Factory standard
- Locking screw
- Low-set master scale
- High-precision laser graduation on vernier and scale

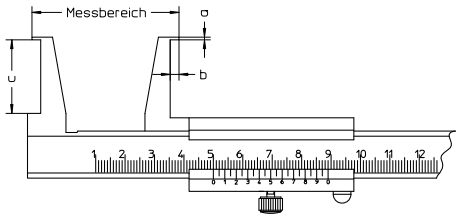
Delivery

- Cardboard box



Measuring range	Jaw length		Reading	Error limit	Order no.	List price
mm	mm	inch	mm	mm		EUR
10 - 160	25	1.0	0.05	0.1	0258 501	144.00
20 - 160	40	1.5	0.05	0.1	0258 502	192.00
26 - 200	60	2.3	0.05	0.1	0258 503	295.00
30 - 250	80	3.1	0.05	0.1	0258 504	333.00
35 - 300	100	3.9	0.05	0.1	0258 505	372.00

Dimensions of 0258 and 1352



Measuring range mm	a	b	c
10 - 160	0.9	3.0	25
20 - 160	2.0	5.0	40
26 - 200	3.0	7.0	60
30 - 250	4.0	8.5	80
35 - 300	5.0	10.0	100

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

0260 Calipers for 3/5 point measurement



Model

- Stainless steel
- Reading parts have a satin chrome finish
- Locking screw
- Factory standard

Delivery

- Cardboard box

⋈		Measuring range	Reading		Error limit	Order no.	List price
		mm	mm	inch	mm		EUR
3 point measurement							
		4 - 40	0.05	1/128	0.05	0260 501	74.00
5 point measurement							
		2 - 40	0.05	1/128	0.05	0260 502	74.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0597 Chamfer gauge





Model

- Stainless steel
- Reading 0.1 mm
- Reading parts have a satin chrome finish
- For simultaneously testing of the chamfer angle and the dimensional accuracy
- Dimensions: 48 x 30 x 8.5 mm

Delivery

- 3 interchangeable blades: 30°, 45°, 60°
- Wooden case

		Measuring range mm	Reading mm	Order no.	List price EUR
		0 - 10	0.10	0597 301	175.00

0597 Radius gauge





Model

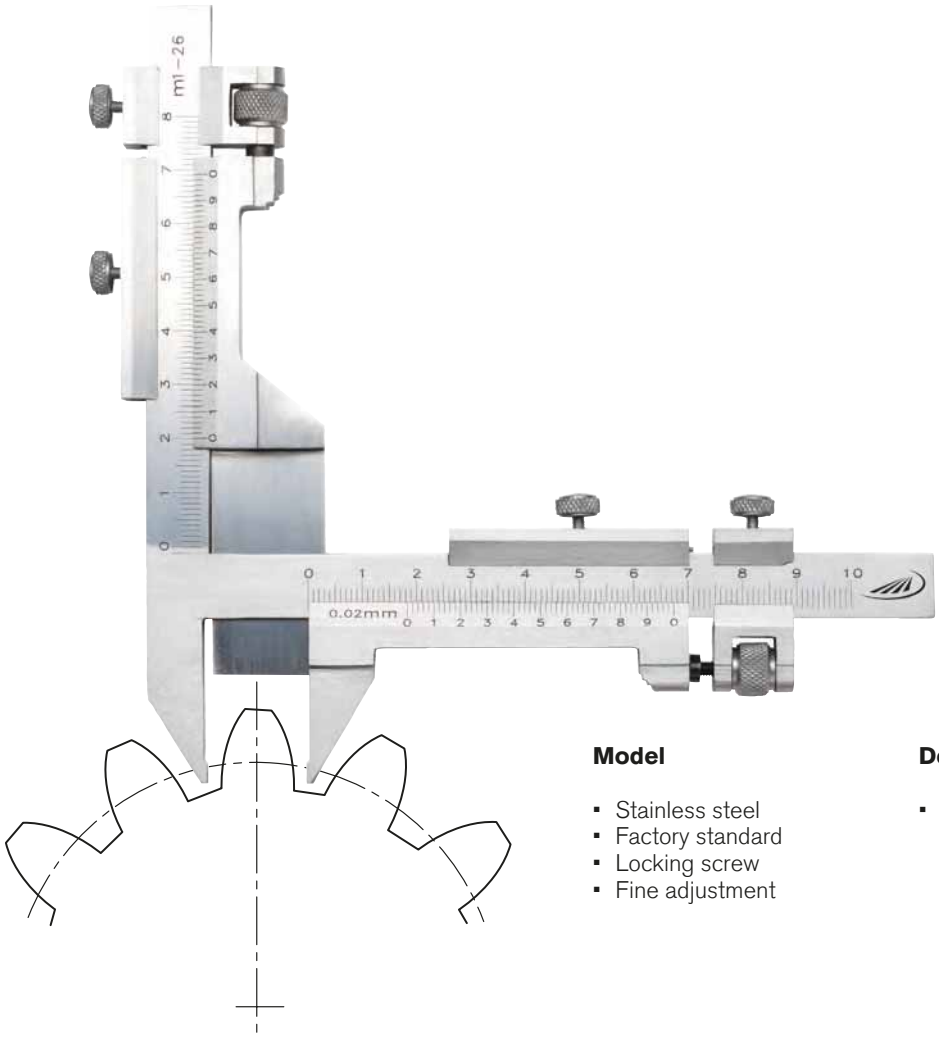
- To determine radius size workpieces
- Stainless steel
- Reading parts are satin chrome finished

Delivery

- Wooden case

		Measuring range mm	Reading mm	Order no.	List price EUR
		0 - 10	0.10	0597 305	175.00

0268 Gear tooth calipers



Model

- Stainless steel
- Factory standard
- Locking screw
- Fine adjustment

Delivery

- Wooden case

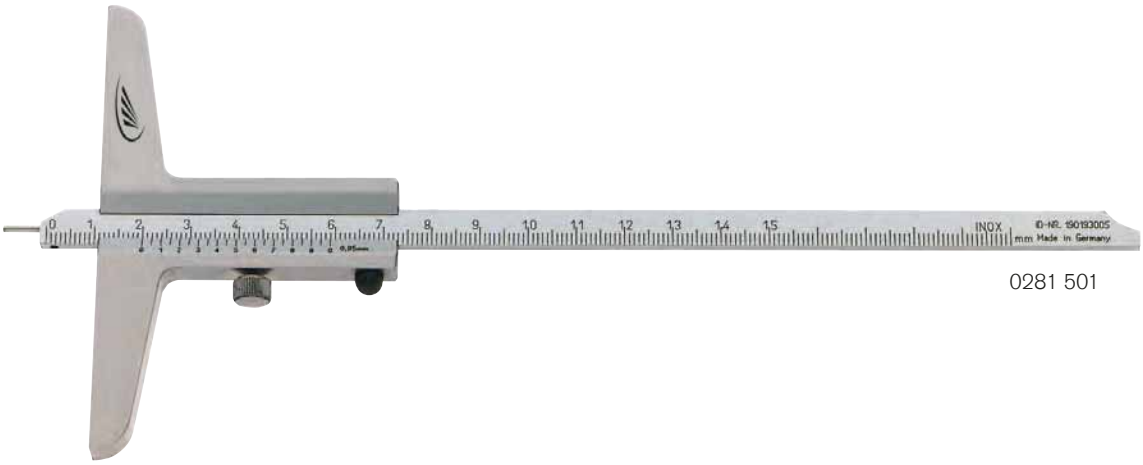
⋈		Module	Reading mm	Error limit mm	Order no.	List price EUR
Hardened jaw tips						
		1 - 26	0.02	0.1	0268 201	308.00
Carbide tipped jaw tips						
		1 - 26	0.02	0.1	0268 211	376.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0281 Vernier depth gauges

DIN 862



0281 501

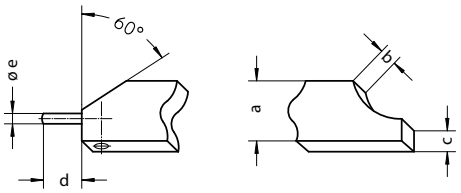
Model

- Stainless steel
- Reading parts have a satin chrome finish
- DIN 862
- Low-set master scale
- Locking screw
- Measuring rod with interchangeable pin
- Double sided scale
- High-precision laser graduation on vernier and scale

Delivery

- Cardboard box

		Measuring range mm	Length of beam mm	Reading mm	Error limit mm	Order no.	List price EUR
▪		0 - 150	100	0.05	0.05	0281 501	89.00
▪		0 - 200	100	0.05	0.05	0281 502	92.00
▪		0 - 300	150	0.05	0.05	0281 505	115.00



Measuring range mm	a	b	c	d	e
150 - 200	8.0	3.0	3.5	8.0	1.5
250 - 300	12.0	4.0	4.0	8.0	2.0

0282 Vernier depth gauges

DIN 862



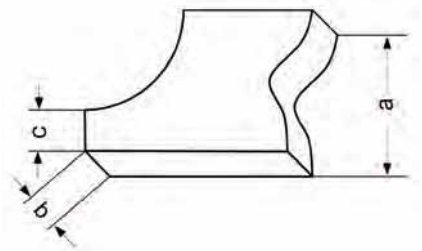
Model

- DIN 862
- Locking screw
- Straight measuring rod
- Low-set master scale
- High-precision laser graduation on vernier and scale

Delivery

- Cardboard box for calipers up to 1000 mm, larger measuring ranges are individually packed

⋈		Measuring range mm	Length of beam mm	Reading mm	Error limit mm	Order no.	List price EUR
Stainless steel, vernier + scale satin chrome finished							
▪		0 - 150	100	0.05	0.05	0282 501	78.00
▪		0 - 200	100	0.05	0.05	0282 502	82.00
▪		0 - 300	100	0.05	0.05	0282 503	93.00
▪		0 - 300	150	0.05	0.05	0282 505	99.00
▪		0 - 500	150	0.05	0.07	0282 507	152.00
▪		0 - 500	250	0.05	0.07	0282 508	232.00
▪		0 - 800	250	0.05	0.10	0282 509	387.00
▪		0 - 1000	250	0.05	0.12	0282 510	548.00



Measuring range mm	a	b	c
150 - 200	8.0	3.0	3.5
250 - 500	12.0	4.0	4.0
500 - 1000	20.0	5.0	10.0
1500	25.0	6.0	13.0

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0286 Vernier depth gauges

DIN 862



Reversible measuring rod

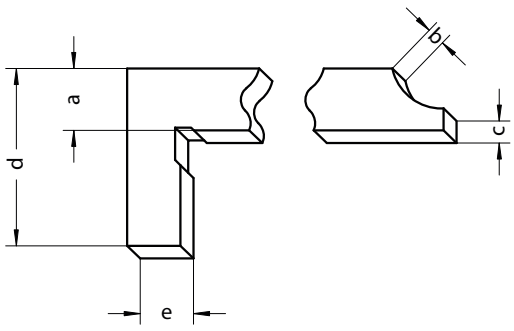
Model

- DIN 862
- Locking screw
- Reversible, L-shaped measuring rod
- Scales on both sides
- Low-set master scale
- High-precision laser graduation on vernier and scale

Delivery

- Cardboard box for calipers up to 1000 mm, larger measuring ranges are individually packed

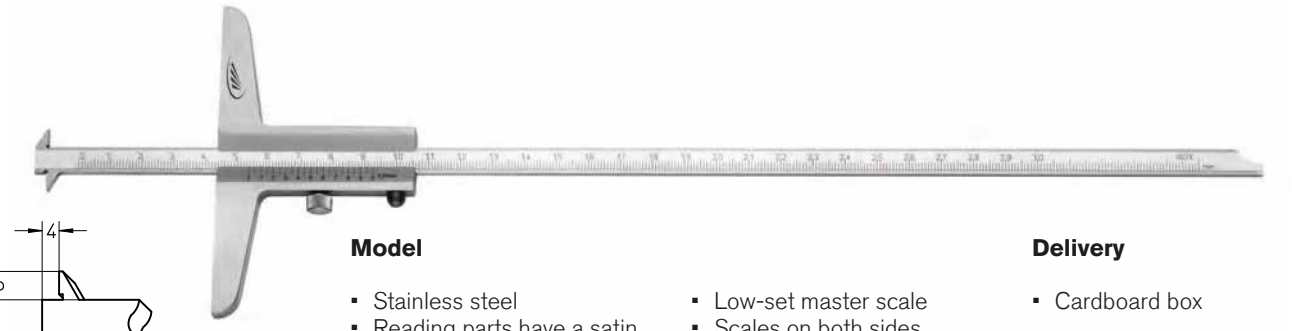
		Measuring range mm	Length of beam mm	Reading mm	Error limit mm	Order no.	List price EUR
Stainless steel, vernier + scale satin chrome finished							
▪		0 - 150	100	0.05	0.05	0286 501	93.00
▪		0 - 200	100	0.05	0.05	0286 502	94.00
▪		0 - 300	150	0.05	0.05	0286 505	115.00
▪		0 - 500	150	0.05	0.07	0286 507	184.00
▪		0 - 500	250	0.05	0.07	0286 508	388.00
▪		0 - 800	250	0.05	0.10	0286 509	523.00
▪		0 - 1000	250	0.05	0.12	0286 510	666.00

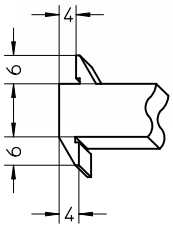


Measuring range mm	a	b	c	d	e
150 - 200	8.0	3.0	3.5	20.0	5.0
250 - 500	12.0	4.0	4.0	28	10
500 - 1000	20.0	5.0	10.0	70.0	19.0
1500	25.0	6.0	13.0	90.0	24.0

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

0292 Offset vernier depth gauges





Model

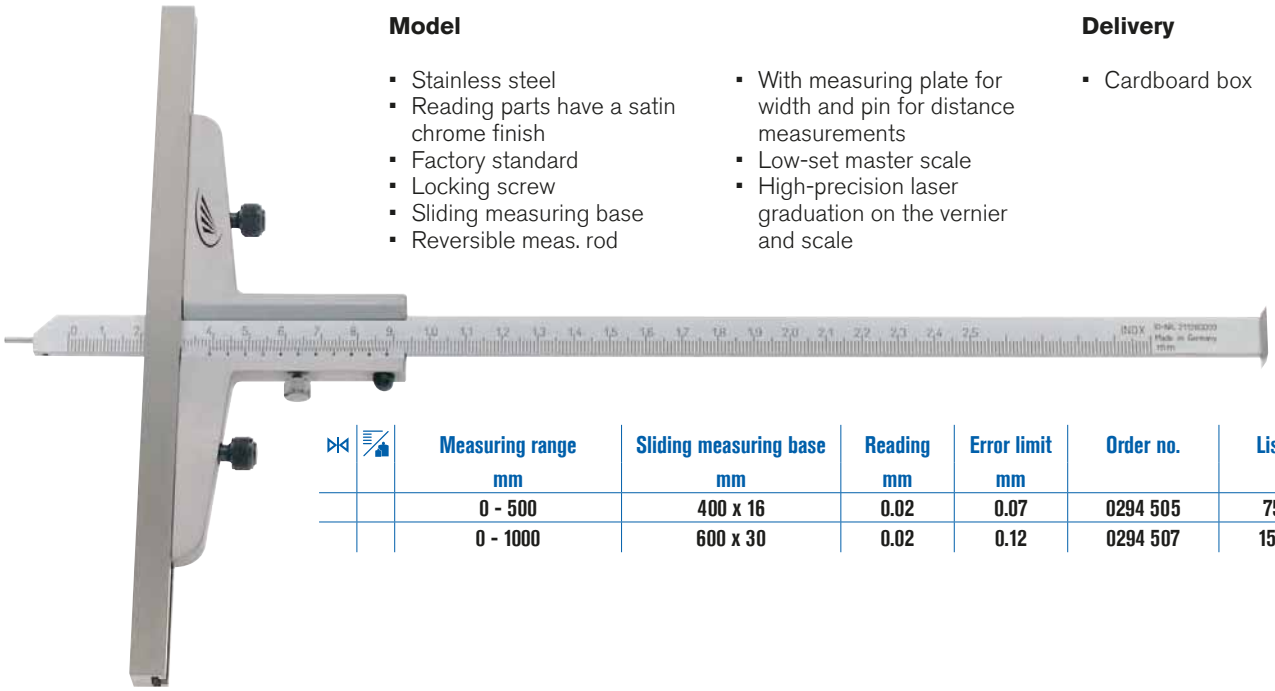
- Stainless steel
- Reading parts have a satin chrome finish
- Factory standard
- Locking screw
- Reversible, offset meas. rod
- Low-set master scale
- Scales on both sides
- High-precision laser graduation on vernier and scale

Delivery

- Cardboard box

Measuring range mm	Length of beam mm	Reading mm	Error limit mm	Order no.	List price EUR
0 - 200	100	0.05	0.05	0292 501	88.00
0 - 300	100	0.05	0.05	0292 502	100.00

0294 Vernier depth gauges with sliding measuring base



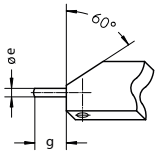
Model

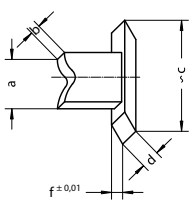
- Stainless steel
- Reading parts have a satin chrome finish
- Factory standard
- Locking screw
- Sliding measuring base
- Reversible meas. rod
- With measuring plate for width and pin for distance measurements
- Low-set master scale
- High-precision laser graduation on the vernier and scale

Delivery

- Cardboard box

Measuring range mm	Sliding measuring base mm	Reading mm	Error limit mm	Order no.	List price EUR
0 - 500	400 x 16	0.02	0.07	0294 505	750.00
0 - 1000	600 x 30	0.02	0.12	0294 507	1581.00



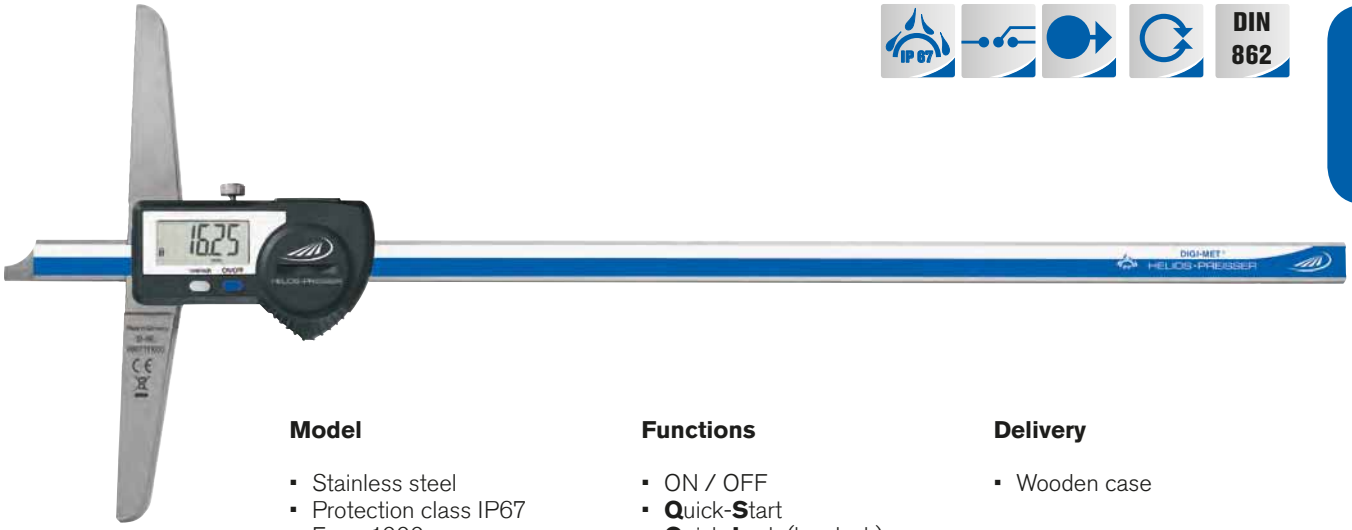


Measuring range mm	a	b	c	d	e	f	g
250 - 500	12.0	4.0	18.0	6.0	2.0	2.0	8.0
750 - 1000	20.0	5.0	30.0	8.0	3.0	3.0	8.0

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1360 DIGI-MET® Depth gauges



Model

- Stainless steel
- Protection class IP67
- From 1000 mm protection class IP65
- LCD display 7.5 mm
- DIN 862
- Locking screw
- Straight measuring rod

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switchin
- Variable data output RS 232 + Digimatic + USB

Delivery

- Wooden case

		Measuring range		Length of beam	Reading		Error limit	Order no.	List price
		mm	inch	mm	mm	inch	mm		EUR
▪		0 - 150	0 - 6	100	0.01	.0005	0.03	1360 716	329.00
▪		0 - 200	0 - 8	100	0.01	.0005	0.03	1360 718	373.00
▪		0 - 300	0 - 12	150	0.01	.0005	0.03	1360 722	419.00
▪		0 - 500	0 - 20	150	0.01	.0005	0.03	1360 728	481.00
▪		0 - 1000	0 - 39	250	0.01	.0005	0.04	1360 734	1370.00
	▪	0 - 1500	0 - 59	250	0.01	.0005	0.05	1360 738	2090.00



1998720



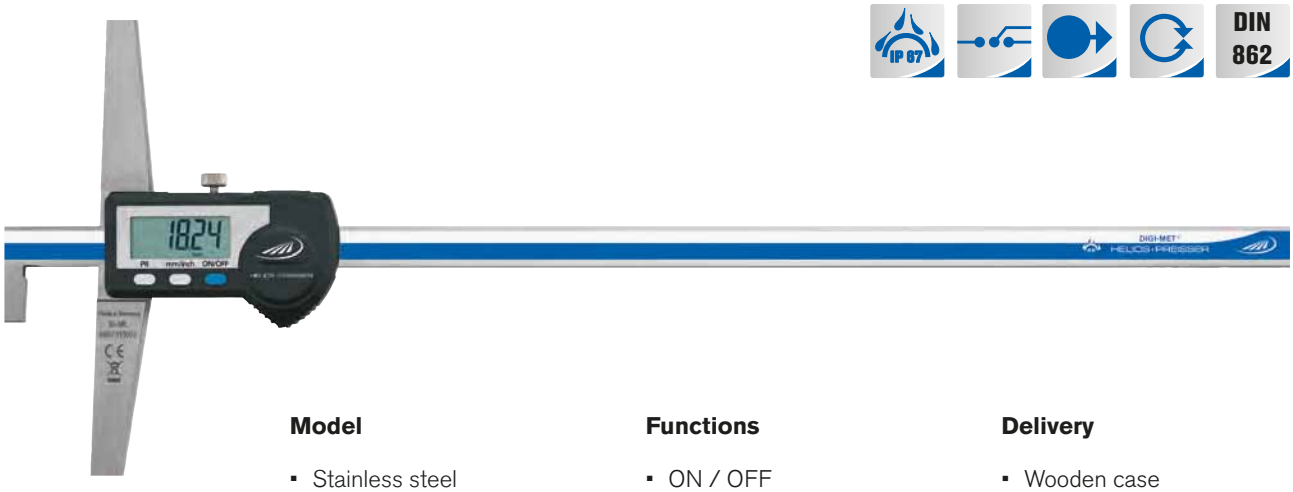
1997501



1998501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to digimatic	1998 501	64.00
Data cable DATA VARIABLE to USB	1998 720	72.00

1362 DIGI-MET® Depth gauges



Model

- Stainless steel
- Protection class IP67
- LCD display 7.5 mm
- DIN 862
- Locking screw
- L-shaped measuring rod
- Larger measuring ranges are available upon request

Functions

- ON / OFF
- Set to zero at any point
- mm / inch switching
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

Delivery

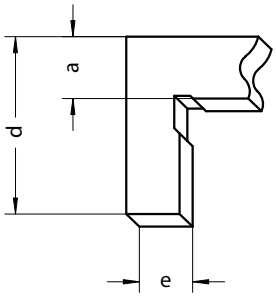
- Wooden case

⋈		Measuring range		Length of beam	Reading		Error limit	Order no.	List price
		mm	inch	mm	mm	inch	mm		EUR
▪		0 - 300	0 - 12	150	0.01	.0005	0.03	1362 722	429.00
▪		0 - 500	0 - 20	150	0.01	.0005	0.03	1362 728	499.00



1998720 1997501 1998501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to digimatic	1998 501	64.00
Data cable DATA VARIABLE to USB	1998 720	72.00

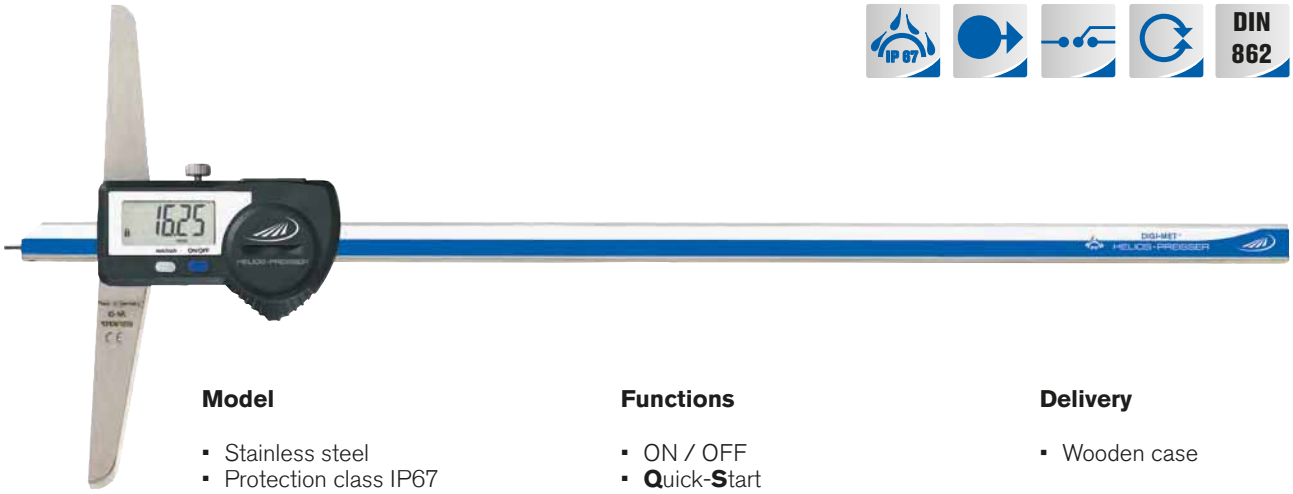


Measuring range mm	a	e	d
300	11.6	10	28
500	11.6	10	28

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1364 DIGI-MET® Depth gauges



Model

- Stainless steel
- Protection class IP67
- LCD display 7.5 mm
- DIN 862
- Locking screw
- Replaceable pin
- Larger measuring ranges are available upon request

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- Variable data output RS 232 + Digimatic + USB

Delivery

- Wooden case

		Measuring range		Length of beam	Reading		Error limit	Order no.	List price
		mm	inch	mm	mm	inch	mm		EUR
▪		0 - 200	0 - 8	100	0.01	.0005	0.03	1364 722	406.00
▪		0 - 300	0 - 12	150	0.01	.0005	0.03	1364 728	452.00



1998720 1997501 1998501

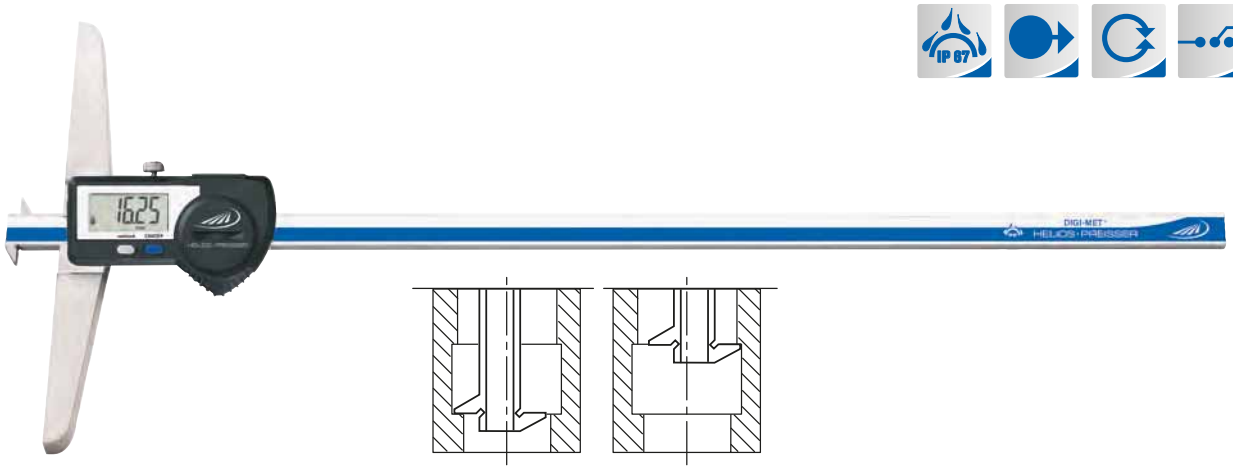
Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to digimatic	1998 501	64.00
Data cable DATA VARIABLE to USB	1998 720	72.00

0276 Replacement measuring pin

		Diameter	Order no.	List price
		mm		EUR
		2	0276 711	6.40

= **Q**uick**L**ock = **Q**uick**S**tart = Waterproof acc. IP = Data output = DIN

1366 DIGI-MET® Offset depth gauges



Model

- Stainless steel
- Inductive measuring system, protection class IP67
- LCD display 7.5 mm
- Factory standard
- Housing and operating keys have an excellent chemical resistance
- Locking screw

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- Variable data output RS 232 + Digimatic + USB

Delivery

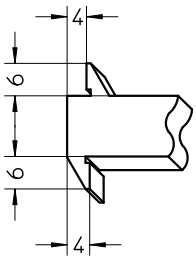
- Wooden case

		Measuring range		Length of beam	Reading		Error limit	Order no.	List price
		mm	inch	mm	mm	inch	mm		EUR
▪		0 - 200	0 - 8	100	0.01	.0005	0.03	1366 718	422.00
▪		0 - 300	0 - 12	150	0.01	.0005	0.03	1366 722	510.00
▪		0 - 500	0 - 20	150	0.01	.0005	0.03	1366 728	642.00



1998720 1997501 1998501

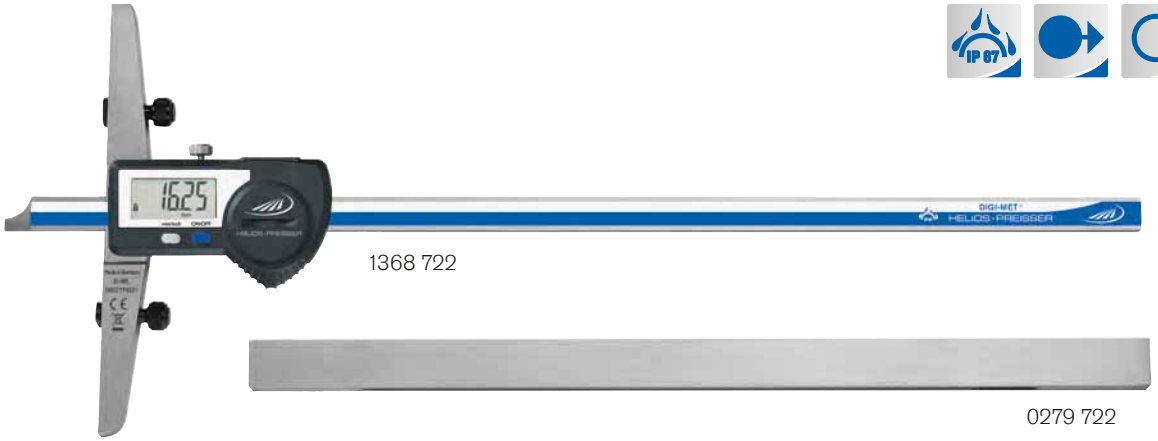
Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to digimatic	1998 501	64.00
Data cable DATA VARIABLE to USB	1998 720	72.00



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1368 DIGI-MET® Depth gauges



1368 722

0279 722

Model

- Stainless steel
- Inductive measuring system, protection class IP67
- LCD display 7.5 mm
- Locking screw

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- Variable data output RS 232 + Digimatic + USB

Delivery

- Wooden box
- **The sliding measuring base and screws must be ordered separately**

Measuring range mm	Measuring range inch	Length of beam mm	Reading mm	Reading inch	Error limit mm	Order no.	List price EUR
0 - 300	0 - 12	150	0.01	.0005	0.03	1368 722	429.00
0 - 500	0 - 20	150	0.01	.0005	0.03	1368 728	489.00



1998720 1997501 1998501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to digimatic	1998 501	64.00
Data cable DATA VARIABLE to USB	1998 720	72.00

0279 Sliding measuring base made of stainless steel



Delivery

- Bolts included

Dimensions mm	Order no.	List price EUR
300 x 16	0279 722	272.00
400 x 16	0279 723	284.00
500 x 16	0279 724	296.00

Accessories	Order no.	List price EUR
Fixture for sliding measuring base, two parts	0279 792	21.50

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

1371i DIGI-MET® Depth gauges IP67 with integrated wireless



1371 41660

integrated wireless

Wireless Data Transmission



Model

- Stainless steel
- Inductive measuring system, protection class IP67
- DIN 862
- Locking screw
- LCD display 11 mm
- Measuring pin dia. 1.5 mm

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- PRESET-Function (setting a numerical value)
- Set to zero at any point
- mm / inch switching
- Integrated Wireless

Delivery

- Plastic case

More information on our i-series and Integrated Wireless on page 252

		Measuring range		Length of beam	Reading		Error limit	Order no.	List price
		mm	inch	mm	mm	inch	mm		EUR
▪		0 - 150	0 - 6	100	0.01	.0005	0.03	1371 41660	432.00
▪		0 - 200	0 - 8	100	0.01	.0005	0.03	1371 41860	459.00
▪		0 - 300	0 - 12	150	0.01	.0005	0.04	1371 42260	516.00
▪		0 - 500	0 - 20	150	0.01	.0005	0.05	1371 42860	585.00



1998780

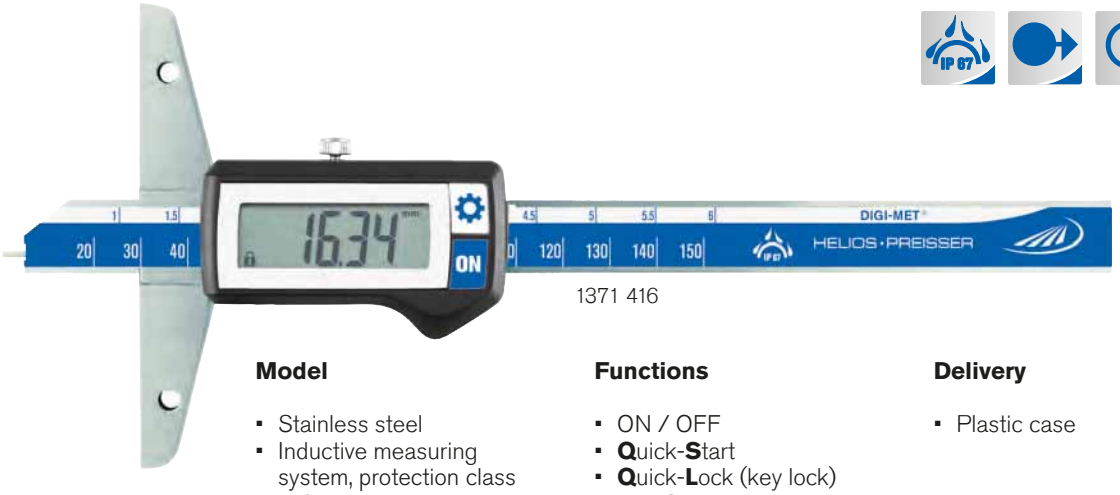
Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
i-Stick USB-receiver for Integrated Wireless	1998 780	95.00

Integrated Wireless is intended to be sold within the European Economic Area only

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1371 DIGI-MET® Depth gauges IP67



1371 416

Model

- Stainless steel
- Inductive measuring system, protection class IP67
- DIN 862
- Locking screw
- LCD display 11 mm
- Measuring pin dia. 1.5 mm

Functions

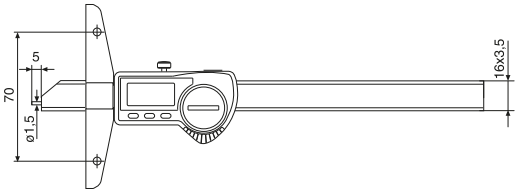
- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- PRESET-Function (setting a numerical value)
- Set to zero at any point
- mm / inch switching

Delivery

- Plastic case

Product video

		Measuring range		Length of beam	Reading		Error limit	Order no.	List price
		mm	inch	mm	mm	inch	mm		EUR
▪		0 - 150	0 - 6	100	0.01	.0005	0.03	1371 416	388.00
▪		0 - 200	0 - 8	100	0.01	.0005	0.03	1371 418	426.00
▪		0 - 300	0 - 12	150	0.01	.0005	0.04	1371 422	475.00
▪		0 - 500	0 - 20	150	0.01	.0005	0.05	1371 428	547.00

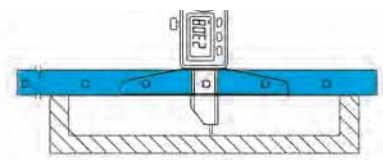


Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90

1271 Extension depth attachment base



1271 451

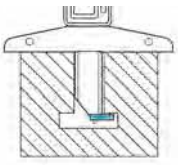


		Measuring bridge length mm	Order no.	List price EUR
		200	1271 451	89.00
		300	1271 452	103.00

1271 Measuring insert for distance measurements

Model

- To be attached to the measuring pin
- Ball dia. 4 mm



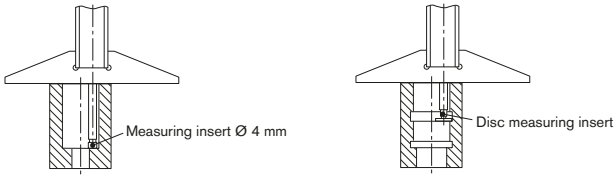
		Order no.	List price EUR
		1271 455	59.00

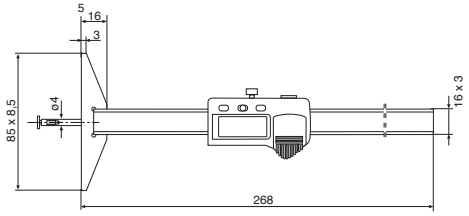
= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

1376 DIGI-MET® Depth gauge



Example of use





Model

- Stainless steel
- Protection class IP67
- LCD display 7.5 mm
- Locking screw
- Factory standard

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- Reversal of counting direction
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

Delivery

- Wooden case
- Disc type insert Ø 7.5 x 1 mm
- Inserts Ø 4 mm, flat and spherical

		Measuring range		Length of beam	Reading		Error limit	Order no.	List price
		mm	inch	mm	mm	inch	mm		EUR
		0 - 100	0 - 4	85	0.01	.0005	0.02	1376 514	517.00



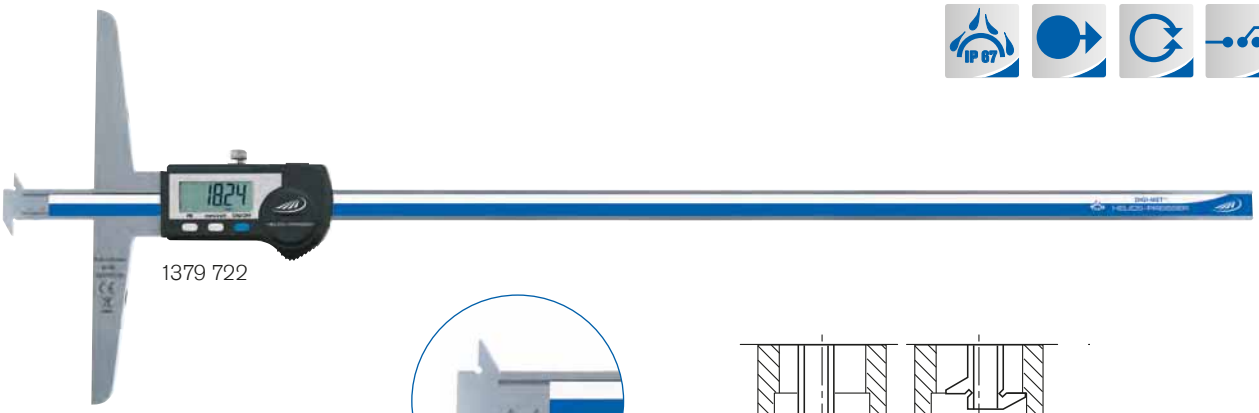
1998720 1997501 1998501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Disc type measuring insert Ø 7.5 x 0.5 mm	1276 590	33.00
Disc type measuring insert Ø 7.5 x 1 mm	1276 591	18.80
Flat measuring insert Ø 4 mm	1276 592	18.00
Spherical measuring insert Ø 4 mm	1276 593	25.00
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to digimatic	1998 501	64.00
Data cable DATA VARIABLE to USB	1998 720	72.00

Marked ▪ = excess length/excess weight

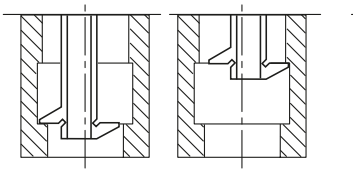
Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1379 DIGI-MET® Depth gauges with interchangeable inserts



1379 722





Model

- Interchangeable inserts for solving different measuring tasks
- Measuring base can be attached (optional, see accessories)
- Stainless steel
- Inductive measuring system, protection class IP67
- Factory standard

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- PRESET-Function (setting a numerical value)
- Set to zero at any point
- mm / inch switching
- Variable data output RS 232 + Digimatic + USB

Delivery

- Wooden case
- With inserts for width and distance measurements, Order no. 1279 780
- More inserts and measuring base optional

		Measuring range		Length of beam	Reading		Error limit	Order no.	List price
		mm	inch	mm	mm	inch	mm		EUR
▪		0 - 300	0 - 12	150	0.01	.0005	0.03	1379 722	663.00
▪		0 - 500	0 - 20	150	0.01	.0005	0.03	1379 728	914.00



1998720 1997501 1998501

Accessories	Order no.	List price EUR
Interchangeable inserts made of stainless steel, hardened		
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Replacement cylinder screw M2x6	1379 790	8.90
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to digimatic	1998 501	64.00
Data cable DATA VARIABLE to USB	1998 720	72.00

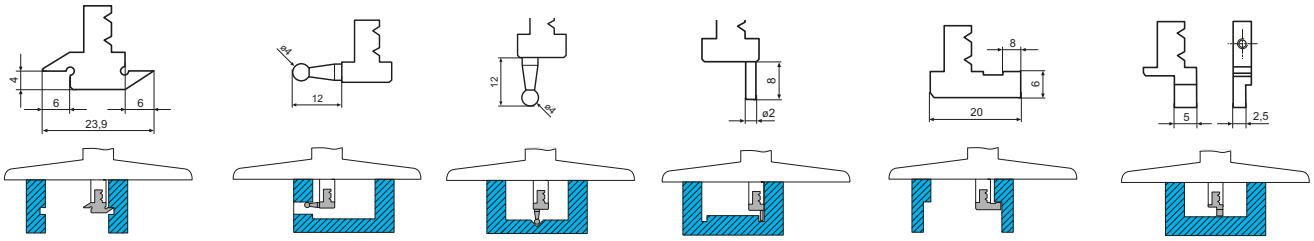


More measuring inserts on page 68

1279 Interchangeable inserts made of stainless steel, hardened



1279 780* | 1279 781 | 1279 782 | 1279 783 | 1279 784 | 1279 785



		Description	Order no.	List price EUR
		Insert for width and distance measurements*	1279 780	114.00
		Insert with ball, angled	1279 781	114.00
		Insert with ball, straight	1279 782	114.00
		Insert with measuring pin	1279 783	114.00
		Insert with hook	1279 784	114.00
		Insert with straight measuring rod	1279 785	114.00

* Standard insert included in the delivery of the basic instrument

0279 Sliding measuring base made of stainless steel



Delivery

- Bolts included

		Dimensions mm	Order no.	List price EUR
		300 x 16	0279 722	272.00
		400 x 16	0279 723	284.00
		500 x 16	0279 724	296.00

Accessories	Order no.	List price EUR
Fixture for sliding measuring base, two parts	0279 792	21.50

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1375 DIGI-MET® Small depth gauge



Model

- Beam made from stainless steel
- Aluminium body black anodized
- Protection class IP67
- LCD display 7.5 mm
- Factory standard
- Measuring pin Ø 2 mm

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- PRESET-Function (setting a numerical value)
- mm / inch switching
- Variable data output RS 232 + Digimatic + USB

Delivery

- Wooden case

Measuring range		Length of beam	Reading		Error limit	Order no.	List price
mm	inch	mm	mm	inch	mm		EUR
0 - 25	0 - 1	48	0.01	.0005	0.02	1375 502	249.00


1998720


1997501


1998501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to digimatic	1998 501	64.00
Data cable DATA VARIABLE to USB	1998 720	72.00

1378 DIGI-MET® Depth gauges for one-handed operation



Model

- Stainless steel
- Inductive measuring system, protection class IP67
- Locking screw
- Factory standard
- Constant measuring force through spring pressure
- Measuring pin with thread M 2.5 for exchangeable measuring inserts for core hole bores, also compatible with dial gauges inserts (see No. 0710) for depth measurement

Functions

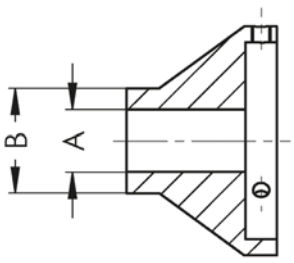
- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

Delivery

- Ball measuring insert for depth measurement

⋈		Measuring range		Reading		Error limit	Order no.	List price
		mm	inch	mm	inch	mm		EUR
		0 - 60	0 - 2.4	0.01	.0005	0.02	1378 505	788.00
		0 - 100	0 - 4	0.01	.0005	0.02	1378 508	848.00

1278 Reduction piece



⋈		A	B	Order no.	List price
		mm	mm		EUR
		6	12.00	1278 912	114.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

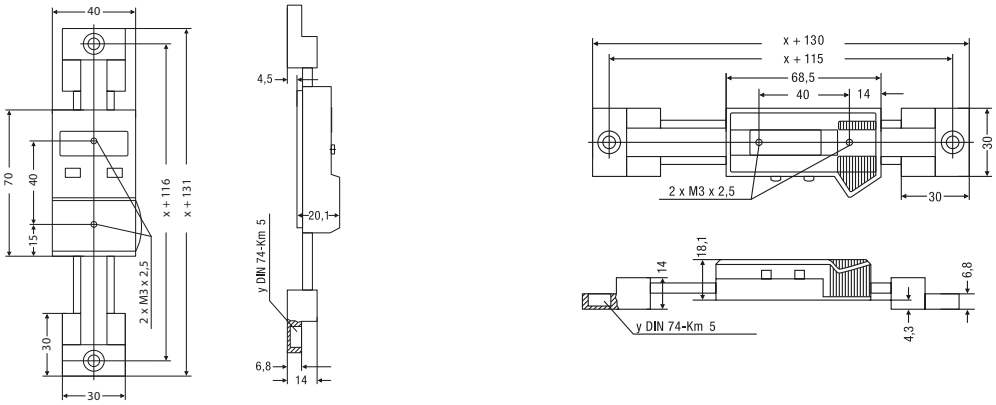
0273 DIGI-MET® Mounting scales



0273 752



0273 732



Model

- Beam made of stainless steel
- Slide and fixture are made of anodized aluminium
- Larger measuring ranges are available upon request
- x = Measuring range
- y = Reduction M5

Functions

- ON / OFF
- Set to zero at any point
- mm / inch switching
- Hold
- PRESET-Function (setting a numerical value)

Delivery

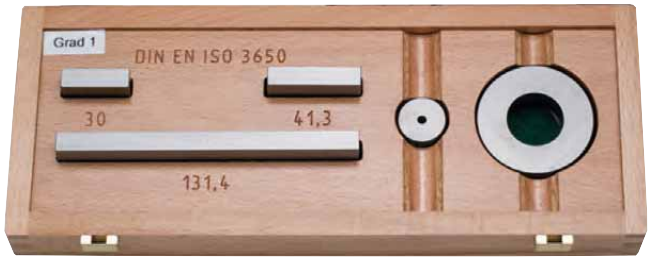
- Cardboard box

Measuring range		Reading		Error limit	Order no.	List price
mm	inch	mm	inch	mm		EUR
Horizontal						
0 - 150	0 - 6	0.01	.0005	0.03	0273 731	205.00
0 - 200	0 - 8	0.01	.0005	0.03	0273 732	212.00
0 - 300	0 - 12	0.01	.0005	0.03	0273 735	229.00
0 - 450	0 - 18	0.01	.0005	0.03	0273 738	243.00
0 - 600	0 - 24	0.01	.0005	0.03	0273 741	295.00
0 - 800	0 - 31	0.01	.0005	0.04	0273 745	516.00
0 - 1000	0 - 39	0.01	.0005	0.04	0273 746	562.00
Vertical						
0 - 150	0 - 6	0.01	.0005	0.03	0273 751	368.00
0 - 200	0 - 8	0.01	.0005	0.03	0273 752	373.00
0 - 300	0 - 12	0.01	.0005	0.03	0273 755	396.00
0 - 450	0 - 18	0.01	.0005	0.03	0273 758	417.00
0 - 600	0 - 24	0.01	.0005	0.03	0273 761	448.00
0 - 800	0 - 31	0.01	.0005	0.04	0273 765	629.00
0 - 1000	0 - 39	0.01	.0005	0.04	0273 766	676.00



Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable opto to RS232	0996 701	77.00
Data cable opto to USB	0996 705	147.00
USB-keyboard interface cable	0997 770	251.00

0633 Steel gauge block inspection set for calipers



Model

- EN ISO 3650
- Special steel, hardened
- Tolerance class 1
- Supplied with: setting rings 4 mm and 25 mm

Delivery

- Wooden box

⋈		For measuring range mm	Max. nominal size mm	Order no.	List price EUR
3 pieces					
		200	30.0 / 41.3 / 131.4	0633 833	563.00
4 pieces					
		300	30.0 / 41.3 / 131.4 / 243.5	0633 834	751.00
6 pieces					
		500	30.0 / 41.3 / 131.4 / 243.5 / 281.2 / 481.1	0633 836	1341.00
5 pieces					
		1000	131.4 / 243.5 / 281.2 / 481.1 / 900	0633 838	2371.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0003 Wooden cases for calipers





0003 217



0003 231

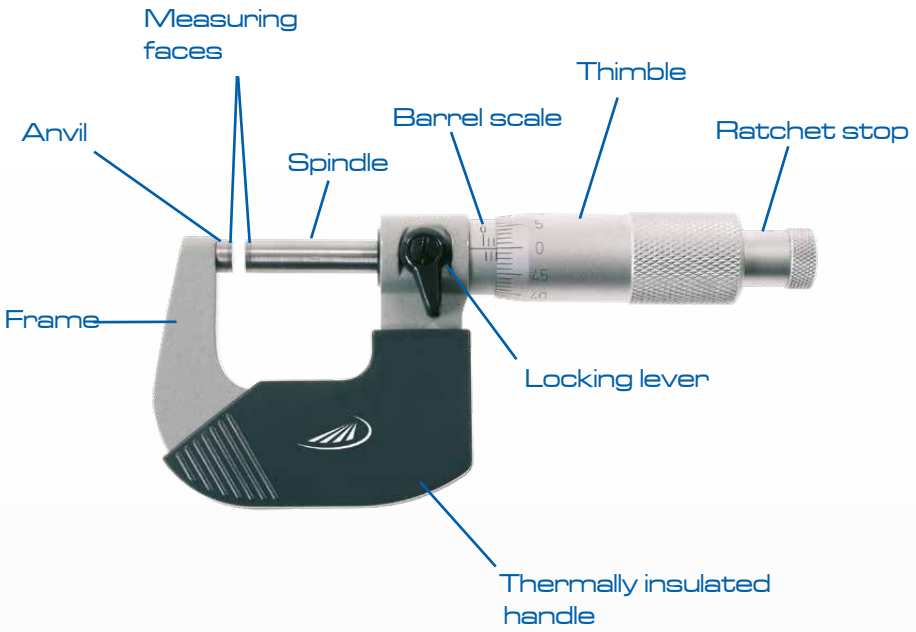


0003 248

		Measuring range mm	Jaw length (knife points) mm	Jaw length (w.o. knife points) mm	Internal dimensions L x W x H mm	Order no.	List price EUR
With recess for pocket caliper 150 mm							
		160	40	40	250 x 90 x 20	0003 217	7.70
With flat foam inlay							
		160	40	40	250 x 90 x 20	0003 219	7.70
		200	80	80	315 x 145 x 20	0003 220	9.20
		250	80	80	370 x 145 x 20	0003 221	11.60
		300	90	90	435 x 175 x 20	0003 222	16.00
		300		150	435 x 205 x 20	0003 223	17.90
		400		125	610 x 180 x 20	0003 224	27.00
		400	125	150	590 x 220 x 20	0003 225	35.10
		400	150	200	590 x 250 x 20	0003 226	41.90
		500		150	690 x 200 x 20	0003 228	46.70
		500	150	200	690 x 250 x 25	0003 229	47.90
		500	200	250	700 x 315 x 25	0003 230	49.20
		500	250		700 x 350 x 21	0003 231	50.00
		600		150	790 x 200 x 25	0003 232	50.00
		600	150	200	790 x 250 x 25	0003 233	60.00
		600		300	810 x 400 x 25	0003 235	73.00
		800		150	1000 x 220 x 25	0003 236	61.00
		800	150	200	1000 x 270 x 25	0003 237	66.00
		800	200		1000 x 320 x 21	0003 238	67.00
		800		300	1000 x 380 x 25	0003 239	75.00
		800	300		1000 x 420 x 21	0003 240	86.00
		800		400	1100 x 480 x 25	0003 241	86.00
		1000		150	1200 x 220 x 25	0003 242	82.00
		1000	150	200	1250 x 270 x 25	0003 243	88.00
		1000	200		1200 x 320 x 21	0003 244	99.00
		1000		300	1200 x 380 x 25	0003 245	109.00
		1000	300		1230 x 420 x 21	0003 246	118.00
		1000		500	1300 x 600 x 25	0003 247	135.00
	▪	1250		200	1520 x 310 x 25	0003 248	115.00
	▪	1250	200	300	1520 x 380 x 25	0003 249	115.00
	▪	1500		200	1800 x 310 x 25	0003 251	152.00
	▪	1500	200	300	1800 x 380 x 25	0003 252	165.00
	▪	1500	300		1800 x 440 x 25	0003 253	196.00
	▪	2000		200	2300 x 310 x 25	0003 254	255.00
	▪	2000	200	300	2300 x 380 x 25	0003 255	301.00
	▪	2000	300		2300 x 460 x 25	0003 256	284.00
	▪	3000		200	3310 x 310 x 25	0003 257	306.00
	▪	3000	200	300	3310 x 400 x 25	0003 258	318.00
	▪	3000	300		3310 x 460 x 25	0003 259	368.00

HELIOS · PREISSER

SAMPLES **MICROMETERS**





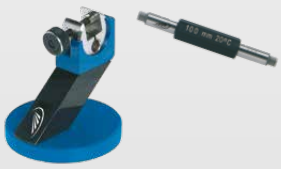
Micrometer highlights from our assortment



INTERNAL
MICROMETERS



SPECIAL
MICROMETERS



HOLDER &
SETTING STANDARDS

2. CHAPTER MICROMETERS

76	External micrometers
83	Digital external micrometers
88	Precision dial micrometers
89	External micrometers with special measuring faces
91	Setting standards for micrometers
92	External micrometers for thread flank measurement
95	External micrometers for gear tooth measurements
96	Wire micrometer
97	Internal micrometers
102	Digital 3 point internal micrometers
104	Digital internal micrometers / with measuring pistol
106	Measuring heads and extensions
107	Depth micrometers

0800 External micrometers



0800 501

DIN 863-1

Model

- DIN 863-1
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Locking lever
- Ratchet stop
- Carbide measuring faces
- Thermally insulated

Delivery

- Plastic case
- From measuring range 25 - 50 mm upwards includes a setting standard

⋈		Measuring range mm	Pitch mm	Spindle dia. mm	Thimble dia. mm	Error limit mm	Order no.	List price EUR
		0 - 25	0.5	6.5	17	0.004	0800 501	18.90
		25 - 50	0.5	6.5	17	0.004	0800 502	22.90
		50 - 75	0.5	6.5	17	0.005	0800 503	26.30
		75 - 100	0.5	6.5	17	0.005	0800 504	31.10

0800 Set of external micrometers



DIN 863-1

Delivery

- Includes 4 external micrometers
- Incl. setting gauges 25/50/75 mm
- Wooden case

⋈		Measuring range mm	Pitch mm	Spindle dia. mm	Thimble dia. mm	Order no.	List price EUR
		0 - 100	0.5	6.5	17	0800 513	110.00

0807 Holder for external micrometers



Model

- With heavy cast iron base
- Vertically rotating and lockable

Delivery

- Cardboard box

⋈		Measuring range mm	Order no.	List price EUR
		0 - 300	0807 101	56.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0806 External micrometers with friction clutch

DIN 863-1



0806 501

Model

- DIN 863-1
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Locking lever
- With friction clutch (ratchet)
- Fixed quick drive
- Carbide measuring faces
- Thermally insulated

Delivery

- Plastic case
- From measuring range 25 - 50 mm upwards includes a setting gauge

Measuring range mm	Pitch mm	Spindle dia. mm	Thimble dia. mm	Error limit mm	Order no.	List price EUR
0 - 25	0.5	6.5	18	0.004	0806 501	34.10
25 - 50	0.5	6.5	18	0.004	0806 502	37.30
50 - 75	0.5	6.5	18	0.005	0806 503	40.60
75 - 100	0.5	6.5	18	0.005	0806 504	43.90

0806 Set of external micrometers with friction clutch

DIN 863-1



0806 513

Delivery

- Includes 4 external micrometers
- Incl. setting gauges 25/50/75 mm
- Wooden case

Measuring range mm	Pitch mm	Spindle dia. mm	Thimble dia. mm	Error limit mm	Order no.	List price EUR
0 - 100	0.5	6.5	18	0.005	0806 513	160.00

0806 External micrometers

DIN 863-1



Model

- DIN 863-1
- Reading 0.01 mm
- Reading parts are satin chrome finished
- Locking lever
- Ratchet stop
- Carbide measuring faces
- Thermally insulated
- Coated steel frame

Delivery

- Plastic case
- From measuring range 25 - 50 mm upwards includes a setting standard

⋈		Measuring range mm	Pitch mm	Spindle dia. mm	Thimble dia. mm	Error limit mm	Order no.	List price EUR
		0 - 25	0.5	6.5	17.5	0.004	0806 521	46.00
		25 - 50	0.5	6.5	17.5	0.004	0806 522	74.00
		50 - 75	0.5	6.5	17.5	0.005	0806 523	91.00
		75 - 100	0.5	6.5	17.5	0.005	0806 524	105.00
		100 - 125	0.5	6.5	17.5	0.006	0806 525	143.00
		125 - 150	0.5	6.5	17.5	0.006	0806 526	160.00
		150 - 175	0.5	6.5	17.5	0.007	0806 527	178.00
		175 - 200	0.5	6.5	17.5	0.007	0806 528	196.00

0806 Set of external micrometers

DIN 863-1



Delivery

- Includes 4 external micrometers
- Incl. setting gauges 25 + 75 mm or 125 + 175 mm
- Wooden case

⋈		Measuring range mm	Pitch mm	Spindle dia. mm	Thimble dia. mm	Order no.	List price EUR
		0 - 100	0.5	6.5	17.5	0806 540	275.00
		100 - 200	0.5	6.5	17.5	0806 542	605.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0810 External micrometers

DIN 863-1



0810 504

Model

- DIN 863-1
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Locking ring
- Spheroid ductile iron frame, lacquered
- Ratchet stop
- Carbide measuring faces
- Thermally insulated

Delivery

- Wooden case

⋈		Measuring range mm	Pitch mm	Spindle dia. mm	Thimble dia. mm	Error limit mm	Order no.	List price EUR
		0 - 25	1	8	30	0.004	0810 501	276.00
		25 - 50	1	8	30	0.004	0810 502	292.00
		50 - 75	1	8	30	0.005	0810 503	307.00
		75 - 100	1	8	30	0.005	0810 504	325.00

0815 External micrometers with deep frame

DIN 863-1



0815 530

Model

- DIN 863-1
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Steel bracket lacquered
- Ratchet stop
- Carbide measuring faces

Delivery

- Wooden case

⋈		Measuring range mm	Frame depth mm	Pitch mm	Spindle dia. mm	Thimble dia. mm	Error limit mm	Order no.	List price EUR
		0 - 25	100	1	8	24	0.004	0815 510	291.00
		0 - 25	150	1	6.5	24	0.004	0815 514	307.00
		0 - 25	250	1	6.5	24	0.004	0815 518	383.00
		0 - 50	50	1	8	24	0.004	0815 530	330.00
		0 - 50	100	1	8	24	0.004	0815 534	487.00
		50 - 100	100	1	8	24	0.005	0815 540	538.00

0816 External micrometers large spindle distance 50 mm

DIN 863-1



Model

- DIN 863-1
- Direct reading 0.01 mm, without addition because of thread pitch 1 mm
- Reading parts are satin chrome finished
- Locking ring
- Ratchet stop
- Carbide measuring faces
- Thermally insulated
- With 50 mm spindle movement and a wide measuring range
- Spheroid ductile iron frame, lacquered or coated light alloy frame

Delivery

- Wooden case

⋈		Measuring range mm	Pitch mm	Spindle dia. mm	Thimble dia. mm	Error limit mm	Order no.	List price EUR
		0 - 50	1	8	24	0.004	0816 501	348.00
		50 - 100	1	8	24	0.005	0816 502	393.00
		100 - 150	1	8	24	0.006	0816 503	453.00
		150 - 200	1	8	24	0.007	0816 504	517.00
		200 - 250	1	8	24	0.008	0816 505	589.00
		250 - 300	1	8	24	0.009	0816 506	664.00
		300 - 350	1	10	24	0.01	0816 507	938.00
		350 - 400	1	10	24	0.011	0816 508	991.00
		400 - 450	1	10	24	0.012	0816 509	1053.00
		450 - 500	1	10	24	0.013	0816 510	1130.00
		500 - 550	1	10	24	0.015	0816 511	1219.00
		550 - 600	1	10	24	0.017	0816 512	1304.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0817 External micrometers with wide range of applications 100 mm

DIN 863-3



Model

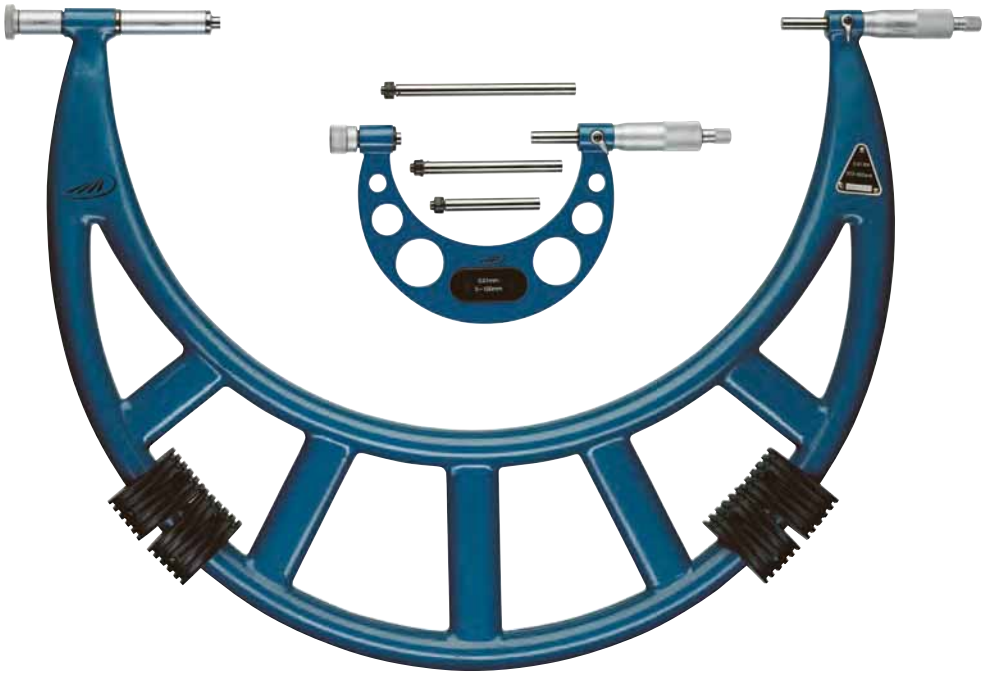
- DIN 863-3
- Direct reading 0.01 mm, without addition because of thread pitch 1 mm
- Reading parts are satin chrome finished
- Spindle adjustment 50 mm
- Reversible anvil (screwed) for measuring range extension
- Locking ring
- Ratchet stop
- Carbide measuring faces
- Thermally insulated
- Robust coated light alloy frame

Delivery

- Wooden case

⋈		Measuring range mm	Pitch mm	Spindle dia. mm	Thimble dia. mm	Error limit mm	Order no.	List price EUR
		200 - 300	1	10	24	0.006	0817 512	1120.00
		300 - 400	1	10	24	0.007	0817 514	1165.00
		400 - 500	1	10	24	0.008	0817 516	1304.00
		500 - 600	1	10	24	0.009	0817 518	1480.00
		600 - 700	1	10	24	0.009	0817 520	1655.00
	▪	700 - 800	1	10	24	0.009	0817 522	1836.00
	▪	800 - 900	1	10	24	0.01	0817 524	2021.00
	▪	900 - 1000	1	10	24	0.01	0817 526	2236.00

0819 External micrometers with interchangeable inserts



Model

- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Locking lever
- Ratchet stop
- Carbide measuring faces
- Thermally insulated
- Coated malleable cast iron frame* or coated light alloy frame with interch-angeable anvil

Delivery

- Wooden case
- Includes setting standards

⋈		Measuring range mm	Pitch mm	Spindle dia. mm	Thimble dia. mm	Order no.	List price EUR
		0 - 100	0.5	8	20	0819 501	184.00
		0 - 150	0.5	8	20	0819 502	205.00
		100 - 200	0.5	8	20	0819 503	227.00
		150 - 300	0.5	8	20	0819 505	259.00
		200 - 300	0.5	8	20	0819 510	249.00
		300 - 400	0.5	8	24	0819 511	314.00
		400 - 500	0.5	8	24	0819 512	357.00
		500 - 600	0.5	8	24	0819 513	412.00
		600 - 700	0.5	8	24	0819 514	508.00
	▪	700 - 800	0.5	8	24	0819 515	585.00
	▪	800 - 900	0.5	8	24	0819 516	671.00
	▪	900 - 1000	0.5	8	24	0819 517	758.00
	▪	1000 - 1200	1	8	30	0819 519	1408.00
	▪	1200 - 1400	1	8	30	0819 521	1516.00
	▪	1400 - 1600	1	8	30	0819 523	1786.00
	▪	1600 - 1800	1	8	30	0819 525	2052.00
	▪	1800 - 2000	1	8	30	0819 527	2360.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0912 Digital micrometers IP54



Model

- Protection class IP54
- Reading: 0.001 mm / .00005 inch
- Locking lever
- Ratchet stop
- Carbide measuring faces
- Thermally insulated
- Factory standard

Functions

- ON / OFF
- mm / inch switching
- Set to zero at any point

Delivery

- Plastic case
- From measuring range 25 mm upwards includes a setting standard

Measuring range mm	Measuring range inch	Pitch mm	Spindle dia. mm	Error limit mm	Order no.	List price EUR
0 - 25	0 - 1	0.5	6.5	0.006	0912 501	81.00
25 - 50	1 - 2	0.5	6.5	0.006	0912 502	92.00
50 - 75	2 - 3	0.5	6.5	0.007	0912 503	105.00
75 - 100	3 - 4	0.5	6.5	0.007	0912 504	120.00
100 - 125	4 - 5	0.5	6.5	0.008	0912 505	132.00
125 - 150	5 - 6	0.5	6.5	0.008	0912 506	145.00
150 - 175	6 - 7	0.5	6.5	0.009	0912 507	156.00
175 - 200	7 - 8	0.5	6.5	0.009	0912 508	168.00

Accessories	Order no.	List price EUR
Battery 1.5V, type 357	0220 204	3.30

0912 Set of digital micrometers



Delivery

- Includes 4 micrometers
- Incl. setting gauges 25/50/75 mm
- Wooden case

Measuring range mm	Pitch mm	Spindle dia. mm	Order no.	List price EUR
0 - 100	0.5	6.5	0912 521	435.00

1866 Digital micrometers IP65



1866 410



1866 510

Model

- Reading: 0.001 mm / .00005 inch
- Protection class IP65
- LCD display: 10 mm
- Rapid drive
- Carbide measuring faces
- Spindle stainless, hardened and smoothed
- Frame lacquered
- Thermally insulated
- Factory standard

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the ORIGIN)
- Hold

▪ Aditionally 1866 5xx:

- ORIGIN (Preset value)
- Variable data output USB + Digimatic
- TOL (tolerance value input)

Delivery

- Plastic case
- From measuring range 25 mm upwards includes a setting standard

⋈		Measuring range		Pitch	Spindle dia.	Error limit	Order no.	List price
		mm	inch	mm	mm	mm		EUR
Without data output								
		0 - 25	0 - 1	0.5	6.5	0.002	1866 410	207.00
		25 - 50	1 - 2	0.5	6.5	0.002	1866 413	270.00
		50 - 75	2 - 3	0.5	6.5	0.003	1866 417	343.00
		75 - 100	3 - 4	0.5	6.5	0.003	1866 420	391.00
With DataVariable bidirectional								
		0 - 25	0 - 1	0.5	6.5	0.002	1866 510	249.00
		25 - 50	1 - 2	0.5	6.5	0.002	1866 513	299.00
		50 - 75	2 - 3	0.5	6.5	0.003	1866 517	389.00
		75 - 100	3 - 4	0.5	6.5	0.003	1866 520	435.00



1998725 1998802

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable bidirectional DataVariable to USB	1998 801	98.00
Data cable bidirectional DataVariable to Digimatic	1998 802	85.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1866i Digital micrometers IP65 with integrated wireless



1866 41060

integrated IW wireless

Wireless Data Transmission

Model

- Reading: 0.001 mm / .00005 inch
- Protection class IP65
- LCD display: 10 mm
- Rapid drive
- Carbide measuring faces
- Spindle stainless, hardened and smoothed
- Frame lacquered
- Thermally insulated
- Factory standard

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the ORIGIN)
- Hold
- ORIGIN (Preset value)
- TOL (tolerance value input)
- Integrated Wireless

Delivery

- Plastic case
- From measuring range 25 mm upwards includes a setting standard

Measuring range		Pitch	Spindle dia.	Error limit	Order no.	List price
mm	inch	mm	mm	mm		EUR
0 - 25	0 - 1	0.5	6.5	0.002	1866 41060	259.00
25 - 50	1 - 2	0.5	6.5	0.002	1866 41360	319.00
50 - 75	2 - 3	0.5	6.5	0.003	1866 41760	389.00
75 - 100	3 - 4	0.5	6.5	0.003	1866 42060	435.00



1998780

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
i-Stick USB-receiver for Integrated Wireless	1998 780	95.00



More information on our i-series and Integrated Wireless on page 252

Integrated Wireless is intended to be sold within the European Economic Area only

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

1866i Digital micrometers IP65 linear 5 mm pitch



1866 610

5 mm
per revolution



1866 61060

5 mm
per revolution

Specification

- Reading: 0,001 mm / .00005 inch
- Protection class IP65
- LCD display: 10 mm
- **Rapid drive**
- Sliding spindle
- Carbide measuring faces
- Spindle stainless, hardened and smoothed
- Frame lacquered
- Thermally insulated
- Factory standard

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the ORIGIN)
- ORIGIN (Preset value)
- Hold
- TOL (tolerance value input)
- Variable data output (1866) USB + Digimatic
- Integrated Wireless (1866i)

Delivery

- Plastic case
- From measuring range 25 mm upwards includes a setting standard

⋈		Measuring range mm	Measuring range inch	Pitch mm	Spindle dia. mm	Error limit mm	Order no.	List price EUR
With DataVariable bidirectional								
		0 - 25	0 - 1	5	6.5	0.002	1866 610	339.00
		25 - 50	1 - 2	5	6.5	0.002	1866 613	389.00
		50 - 75	2 - 3	5	6.5	0.003	1866 617	489.00
		75 - 100	3 - 4	5	6.5	0.003	1866 620	529.00
With Integrated Wireless								
		0 - 25	0 - 1	5	6.5	0.002	186661 060	349.00
		25 - 50	1 - 2	5	6.5	0.002	186661 360	399.00
		50 - 75	2 - 3	5	6.5	0.003	186661 760	499.00
		75 - 100	3 - 4	5	6.5	0.003	186662 060	539.00

Integrated Wireless is intended to be sold within the European Economic Area only



1998725 1998802 1998780

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable bidirectional DataVariable to USB	1998 801	98.00
Data cable bidirectional DataVariable to Digimatic	1998 802	85.00
i-Stick USB-receiver for Integrated Wireless	1998 780	95.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1866 Digital micrometer BASIC



Model

- Reading: 0.001 mm / .00005 inch
- Protection class IP40
- LCD display: 10 mm
- Rapid drive
- Carbide measuring faces
- Spindle stainless, hardened and smoothed
- Frame lacquered
- Thermally insulated
- Factory standard

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- Hold

Delivery

- Plastic case

Measuring range mm	Measuring range inch	Pitch mm	Spindle dia. mm	Error limit mm	Order no.	List price EUR
0 - 25	0 - 1	0.5	6.5	0.002	1866 210	175.00

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90

1866i Sets of digital micrometers



Delivery

- Plastic case
- From measuring range 25 mm upwards includes a setting standard

Measuring range mm	Measuring range inch	Spindle dia. mm	Order no.	List price EUR
With Integrated Wireless				
0 - 100	0 - 4	6.5	1866 42160	1390.00
With DataVariable bidirectional				
0 - 100	0 - 4	6.5	1866 521	1360.00

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable bidirectional DataVariable to USB	1998 801	98.00
Data cable bidirectional DataVariable to Digimatic	1998 802	85.00
i-Stick USB-receiver for Integrated Wireless	1998 780	95.00

0849 Precision dial micrometers



0849 501

DIN 863-3

Model

- DIN 863-3
- Reading: 0.01 mm
- Reading on the dial: 1 µm
- Reading parts are satin chrome finished
- Retraction stroke 1.5 mm
- Spindle made of hardened stainless steel
- Constant measuring force
- Locking lever
- Carbide measuring faces
- Thermally insulated

Delivery

- Wooden case

⋈		Measuring range mm	Pitch mm	Spindle dia. mm	Thimble dia. mm	Order no.	List price EUR
		0 - 25	0.5	7.5	17.5	0849 501	737.00
		25 - 50	0.5	7.5	17.5	0849 502	876.00

0850 Precision dial micrometers



0850 511

DIN 863-3

Model

- DIN 863-3
- Reading: 0.01 mm
- Reading on the dial: 1 µm
- Reading parts are satin chrome finished
- Retraction stroke 1.2 mm
- Locking lever
- Carbide measuring faces
- Constant measuring force
- Thermally insulated
- Spindle made of hardened stainless steel
- Adjustable tolerance markers

Delivery

- Wooden case
- Incl. dial comparator gauge

⋈		Measuring range mm	Pitch mm	Spindle dia. mm	Thimble dia. mm	Order no.	List price EUR
		0 - 25	0.5	7.5	17.5	0850 511	582.00
		25 - 50	0.5	7.5	17.5	0850 512	646.00
		50 - 100	0.5	7.5	17.5	0850 514	687.00
		100 - 150	0.5	7.5	17.5	0850 516	734.00
		150 - 200	0.5	7.5	17.5	0850 518	768.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0822 Disc micrometers



Model

- Factory standard
- Reading: 0.01 mm
- Carbide measuring faces
- Ratchet stop
- Disc dia. 60 mm
- Malleable cast iron frame, lacquered

Delivery

- Wooden case

Measuring range mm	Pitch mm	Spindle dia. mm	Thimble dia. mm	Order no.	List price EUR
Frame depth 50 mm					
0 - 15	1	6.5	20	0822 301	95.00
0 - 25	1	6.5	20	0822 302	144.00
0 - 50	1	6.5	20	0822 303	265.00
Frame depth 100 mm					
0 - 50	1	6.5	20	0822 304	433.00

0824 Micrometers for tube wall measurement



DIN 863-3

Model

- DIN 863-3
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Ratchet stop
- Hardened measuring faces
- Malleable cast iron frame, lacquered

Delivery

- Cardboard box

Measuring range mm	Pitch mm	Spindle dia. mm	Thimble dia. mm	Error limit mm	Order no.	List price EUR
Ball dia. 2.5 mm						
0 - 15	0.5	6.5	20	0.001	0824 302	194.00
Ball dia. 6.5 mm						
0 - 25	0.5	6.5	20	0.001	0824 303	196.00

0854 Blade micrometers



DIN 863-3

Model

- DIN 863-3
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Ratchet stop
- Thermally insulated
- Hardened spindle and anvil
- Coated steel frame

Delivery

- Plastic case
- From measuring range 25 - 50 mm upwards includes a setting standard

⋈	◪	Measuring range mm	Pitch mm	Spindle dia. mm	Thimble dia. mm	Error limit mm	Order no.	List price EUR
Measuring faces dia. 0.8 x 7 mm								
		0 - 25	0.5	8	17.5	0.004	0854 301	257.00
		25 - 50	0.5	8	17.5	0.004	0854 302	312.00
		50 - 75	0.5	8	17.5	0.005	0854 303	334.00
		75 - 100	0.5	8	17.5	0.005	0854 304	363.00

0855 Micrometers with reduced measuring faces



DIN 863-3

Model

- DIN 863-3
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Locking lever
- Ratchet stop
- Carbide measuring faces
- Thermally insulated
- Hardened spindle and anvil
- Coated steel frame

Delivery

- Plastic case
- From measuring range 25 - 50 mm upwards includes a setting standard

⋈	◪	Measuring range mm	Pitch mm	Spindle dia. mm	Thimble dia. mm	Error limit mm	Order no.	List price EUR
Measuring surfaces dia. 3 mm, length 8.5 mm								
		0 - 25	0.5	6.5	17.5	0.004	0855 301	185.00
		25 - 50	0.5	6.5	17.5	0.004	0855 302	227.00
		50 - 75	0.5	6.5	17.5	0.005	0855 303	257.00
		75 - 100	0.5	6.5	17.5	0.005	0855 304	272.00

◪ Marked ▪ = excess length/excess weight

⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0898 Settings gauges for micrometers



0898 104

Model

- Rod
- Special steel, aged
- Hardened measuring faces
- Tolerance zone js2
- Thermally insulated
- Parallel lapped measuring faces

⋈		Measuring range mm	Measuring surface dia. mm	Order no.	List price EUR
		25	6.5	0898 101	11.40
		50	6.5	0898 102	19.10
		75	6.5	0898 103	22.60
		100	6.5	0898 104	25.80
		125	6.5	0898 105	29.90
		150	6.5	0898 106	42.30
		175	6.5	0898 107	47.30
		200	6.5	0898 108	52.00
		225	6.5	0898 109	57.00
		250	6.5	0898 110	63.00
		275	6.5	0898 111	67.00
		300	10	0898 112	83.00
		325	10	0898 113	90.00
		350	10	0898 114	96.00
		375	10	0898 115	102.00
		400	10	0898 116	109.00
		425	10	0898 117	116.00
		450	10	0898 118	122.00
		475	10	0898 119	128.00

⋈		Measuring range mm	Measuring surface dia. mm	Order no.	List price EUR
		500	10	0898 120	135.00
		525	10	0898 121	142.00
		550	10	0898 122	149.00
		575	10	0898 123	156.00
		600	10	0898 124	164.00
		625	10	0898 125	171.00
		650	10	0898 126	177.00
		675	10	0898 127	184.00
		700	10	0898 128	192.00
		800	10	0898 132	221.00
		900	10	0898 136	249.00
		1000	10	0898 140	277.00
	▪	1050	10	0898 142	290.00
	▪	1150	10	0898 146	318.00
	▪	1250	10	0898 150	349.00
	▪	1350	10	0898 154	376.00
	▪	1450	10	0898 158	405.00
	▪	1550	10	0898 162	649.00

0870 Precision micrometers for thread flank measurement

DIN 863-3



Model

- DIN 863-3
- Reading 0.01 mm
- Reading parts are satin chrome finished
- Locking ring
- Ratchet stop
- Thermally insulated
- Spheroid ductile iron frame, lacquered

Delivery

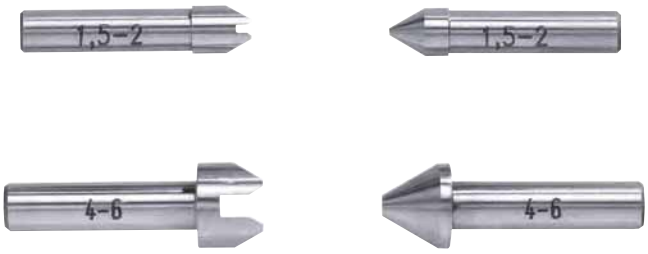
- Wooden case
- **Thread flank inserts and setting standards must be ordered separately**

⋈		Measuring range mm	Pitch mm	Thimble dia. mm	Error limit mm	Spindle adjustment mm	Required length of setting standard mm	Order no.	List price EUR
For inserts with shank dimensions, dia. 3.5 x 13.5 mm									
		0 - 25	0.5	20	0.004	25	-	0870 301	328.00
		25 - 50	0.5	20	0.004	25	25	0870 302	343.00
		50 - 75	0.5	20	0.005	25	50	0870 303	369.00
		75 - 100	0.5	20	0.005	25	75	0870 304	403.00
		100 - 125	0.5	20	0.006	25	100	0870 305	442.00
		125 - 150	0.5	20	0.006	25	125	0870 306	480.00
		150 - 200	0.5	20	0.007	50	175	0870 307	685.00
		200 - 250	0.5	20	0.008	50	225	0870 309	748.00
		250 - 300	0.5	20	0.009	50	275	0870 311	823.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0870 Thread flank inserts for external measurement



Model

- Made of hardened special steel and finely grinded
- Every insert is inscribed with the pitch details
- In a set (V-anvil + tapered anvil)
- Shank dimensions: 3.5 x 13.5 mm

Pitch angle in degrees	Pitch mm	Applicable for UNC, UNF 60°	Thread pitch in TPI mm	Order no.	List price EUR
Metric ISO - threads					
60 °	0.35 - 0.50	72 - 48		0870 901	124.00
60 °	0.60 - 0.80	44 - 32		0870 903	107.00
60 °	0.90 - 1.25	28 - 18		0870 905	107.00
60 °	1.5 - 2.0	16 - 11		0870 907	107.00
60 °	2.5 - 3.5	10 - 7		0870 909	107.00
60 °	4.0 - 6.0	6 - 4		0870 911	124.00
Whitworth - threads					
55 °			60 - 48	0870 921	135.00
55 °			40 - 32	0870 923	117.00
55 °			28 - 22	0870 925	117.00
55 °			20 - 16	0870 927	117.00
55 °			14 - 11	0870 929	117.00
55 °			10 - 7	0870 931	117.00
55 °			6 - 4	0870 933	135.00
Metric ISO - Trapezoid threads (DIN 103)					
30 °	1.5			0870 941	318.00
30 °	2.0			0870 943	231.00
30 °	3.0			0870 945	203.00
30 °	4.0			0870 947	203.00
30 °	5.0 - 6.0			0870 949	203.00
30 °	7.0 - 8.0			0870 951	203.00
30 °	9.0 - 10.0			0870 953	231.00
30 °	12.0 -14.0			0870 955	318.00

0870 Thread flank setting gauges for external measurement





Model

- Measuring faces made of hardened special steel
- One end is rounded, the lapped bore simplifies the fitting upon the conical insert
- Thermally insulated handle
- **Note: With trapezoid treads every pitch requires a separate setting standard**

⋈		Length mm	Pitch angle in degrees	Available for following pitches mm	Error limit µm	Order no.	List price EUR
Metric ISO - threads							
		25	60 °		3	0870 801	78.00
		50	60 °		3	0870 802	79.00
		75	60 °		3	0870 803	80.00
		100	60 °		4	0870 804	81.00
		125	60 °		4	0870 805	82.00
		175	60 °		4	0870 807	91.00
		225	60 °		4	0870 809	103.00
		275	60 °		4	0870 811	113.00
Whitworth - threads							
		25	55 °		3	0870 821	78.00
		50	55 °		3	0870 822	79.00
		75	55 °		3	0870 823	80.00
		100	55 °		4	0870 824	86.00
		125	55 °		4	0870 825	87.00
		175	55 °		4	0870 827	100.00
		225	55 °		4	0870 829	114.00
		275	55 °		4	0870 831	131.00
Metric ISO - Trapezoid threads (DIN 103)*							
		25	30 °	2 / 3 / 4 / 5 - 6 / 7 - 8 / 9 - 10	4	0870 841	170.00
		50	30 °	2 / 3 / 4 / 5 - 6 / 7 - 8 / 9 - 10	4	0870 842	175.00
		75	30 °	2 / 3 / 4 / 5 - 6 / 7 - 8 / 9 - 10	4	0870 843	180.00
		100	30 °	3 / 4 / 5 - 6 / 7 - 8 / 9 - 10 / 12 - 14	5	0870 844	187.00
		125	30 °	4 / 5 - 6 / 7 - 8 / 9 - 10 / 12 - 14	5	0870 845	203.00
		175	30 °	4 / 5 - 6 / 7 - 8 / 9 - 10 / 12 - 14	5	0870 847	242.00
		225	30 °	5 - 6 / 7 - 8 / 9 - 10 / 12 - 14	5	0870 849	295.00
		275	30 °	5 - 6 / 7 - 8 / 9 - 10 / 12 - 14	5	0870 851	362.00

* When ordering the respective pitch must be specified

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0864 Disc micrometers to measure gear tooth



DIN 863-3

Model

- DIN 863-3
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Modul 0.8 - 6
- Ratchet stop
- Hardened measuring faces
- Locking ring
- Friction coupling
- Thermally insulated

Delivery

- Wooden case

Measuring range mm	Disc dia. mm	Pitch mm	Thimble dia. mm	Error limit mm	Order no.	List price EUR
0 - 25	25	0.5	20	0.004	0864 321	330.00
25 - 50	25	0.5	20	0.004	0864 322	396.00
50 - 75	25	0.5	20	0.005	0864 323	429.00
75 - 100	25	0.5	20	0.005	0864 324	466.00
100 - 125	25	0.5	20	0.006	0864 325	503.00
125 - 150	25	0.5	20	0.006	0864 326	539.00
150 - 175	25	0.5	20	0.007	0864 327	579.00
175 - 200	25	0.5	20	0.007	0864 328	619.00

0890 Wire thickness micrometer



Model

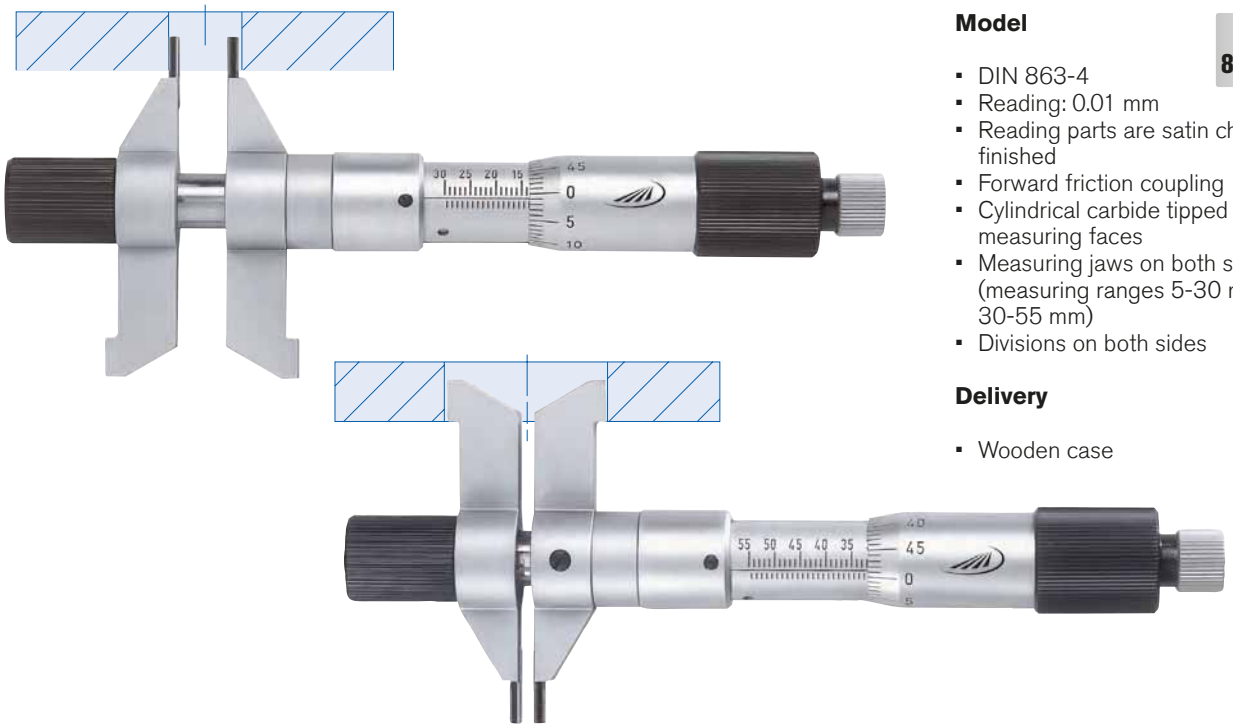
- Factory standard
- Reading: 0.01 mm
- Readings parts are satin chrome finished
- Ratchet stop
- Carbide measuring faces

Delivery

- Cardboard box

Measuring range mm	Pitch mm	Spindle dia. mm	Thimble dia. mm	Order no.	List price EUR
0 - 10	0.5	6	18	0890 511	69.00

0884 Internal micrometer with measuring jaws



Model

DIN 863-4

- DIN 863-4
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Forward friction coupling
- Cylindrical carbide tipped measuring faces
- Measuring jaws on both sides (measuring ranges 5-30 mm, 30-55 mm)
- Divisions on both sides

Delivery

- Wooden case

⋈		Measuring range mm	Thimble dia. mm	Pitch mm	Error limit µm	Order no.	List price EUR
		5 - 55	20	0.5	2.5	0884 501	885.00

0885 Internal micrometers with measuring jaws



0885 502

Model

- Factory standard
- Reading: 0.01 mm
- Reading parts and body are satin chrome finished
- Ratchet stop
- Carbide measuring faces
- Cylindrical carbide tipped measuring faces

Delivery

- Plastic case

⋈		Measuring range mm	Thimble dia. mm	Pitch mm	Order no.	List price EUR
		5 - 30	17	0.5	0885 501*	183.00
		25 - 50	17	0.5	0885 502	203.00
		50 - 75	17	0.5	0885 503	213.00
		75 - 100	17	0.5	0885 504	255.00
		100 - 125	17	0.5	0885 505	324.00
		125 - 150	17	0.5	0885 506	374.00
		150 - 175	17	0.5	0885 507	476.00
		175 - 200	17	0.5	0885 508	540.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0888 Internal micrometers cylindrical version





Model

- DIN 863-4
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Carbide measuring faces dia. 6 mm, spherical lapped
- From measuring range 100 - 125 mm with thermal insulation
- From measuring range 100 - 125 mm with locking ring

DIN 863-4

Delivery

- Wooden case

2

⋈		Measuring range mm	Thimble dia. mm	Pitch mm	Error limit µm	Order no.	List price EUR
		25 - 30	15	0.5	4	0888 501	171.00
		30 - 35	15	0.5	4	0888 502	171.00
		35 - 50	15	0.5	4	0888 503	171.00
		50 - 75	16	0.5	5	0888 504	179.00
		75 - 100	17	0.5	5	0888 505	185.00
		100 - 125	20	0.5	6	0888 506	207.00
		125 - 150	20	0.5	6	0888 507	212.00
		150 - 175	20	0.5	7	0888 508	219.00
		175 - 200	20	0.5	7	0888 509	228.00
		200 - 225	20	0.5	8	0888 510	234.00
		225 - 250	20	0.5	8	0888 511	241.00
		250 - 275	20	0.5	9	0888 512	249.00
		275 - 300	20	0.5	9	0888 513	259.00
		300 - 325	20	0.5	10	0888 514	269.00
		325 - 350	20	0.5	10	0888 515	275.00
		350 - 375	20	0.5	11	0888 516	287.00
		375 - 400	20	0.5	11	0888 517	293.00
		400 - 425	20	0.5	12	0888 518	304.00
		425 - 450	20	0.5	12	0888 519	314.00
		450 - 475	20	0.5	13	0888 520	321.00
		475 - 500	20	0.5	13	0888 521	328.00

0888 Holder for internal micrometers





Model

- Ideal for all internal micrometers from series 0888 / 0892
- Length 200 mm

⋈		Order no.	List price EUR
		0888 101	55.00

0892 Internal micrometers with interchangeable extensions

DIN 863-4



0892 501

Model

- DIN 863-4
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Threaded extension rods with thermally insulated handle
- Carbide measuring faces, spherical lapped

Delivery

- Wooden case

⋈		Measuring range mm	Thimble dia. mm	Pitch mm	Extensions	Error limit µm	Order no.	List price EUR
		50 - 150	17	0.5	25 / 50	6	0892 501	419.00
		50 - 250	17	0.5	25 / 50 / 100	8	0892 502	514.00
		50 - 450	17	0.5	25 / 50 / 100 / 200	10	0892 503	633.00
		50 - 850	17	0.5	25 / 50 / 100 / 200 / 400	12	0892 504	798.00
		50 - 1450	17	0.5	25 / 50 / 100 / 200 / 400 / 600	15	0892 505	1013.00

0892 Extensions for internal micrometers



0892 334

⋈		Length mm	Order no.	List price EUR
		25	0892 332	79.00
		50	0892 333	80.00
		100	0892 334	89.00
		200	0892 336	109.00
		400	0892 339	144.00
		600	0892 340	203.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0894 Precision internal micrometers with extensions

DIN 863-4



Model

- DIN 863-4
- Measuring ends: dia. 7 mm x 6 mm long, carbide tipped spherical lapped
- Thread pitch 1 mm
- Internal spring mounted rods with thermal protective sleeves
- Extensions greater than 100 mm: external steel tube dia. 17 mm, with thermal insulation
- Extensions 500 and 1000 mm: strengthened specification - steel tube dia. 32 mm
- Basic internal micrometer is adjustable: 50 mm. The spindle is tight, so that during measurement the thimble does not adjust itself.

Delivery

- Wooden case

⋈	◪	Measuring range mm	Length of extensions mm (tube dia. 17 mm)	Length of extensions mm (tube dia. 32 mm)	Error limit µm	Order no.	List price EUR
		100 - 150	only micrometer, excludes case	-	4	0894 504	249.00
		100 - 300	50 / 100	-	7	0894 510	663.00
		100 - 500	50 / 100 / 200	-	9	0894 514	895.00
		100 - 900	50 / 100 / 200 / 400	-	11	0894 518	1156.00
		100 - 1300	50 / 100 / 200 / 400 / 400	-	13	0894 522	1423.00
		100 - 1700	50 / 100 / 200 / 400 / 800	-	15	0894 526	1464.00
		100 - 2100	50 / 100 / 200 / 400 / 400 / 800	-	18	0894 530	1717.00
		100 - 2500	50 / 100 / 200 / 400 / 800 / 800	-	21	0894 534	1763.00
		100 - 2000	50 / 100 / 200 / 200	500 / 1 x 1000	18	0894 538	3078.00
		100 - 3000	50 / 100 / 200 / 200	500 / 2 x 1000	30	0894 542	4015.00
		100 - 4000	50 / 100 / 200 / 200	500 / 3 x 1000	40	0894 546	4984.00
	▪	100 - 5000	50 / 100 / 200 / 200	500 / 4 x 1000	50	0894 550	5921.00
	▪	100 - 6000	50 / 100 / 200 / 200	500 / 5 x 1000	60	0894 554	6859.00

With the larger measuring ranges we recommend that the ends of the precision internal micrometer to be placed and/or held on 2 points with an approximate distance of 22% of the measuring length, thus minimizing deflection. The error indicated in the table above refers to the maximum deflection of the appropriate set. When smaller dimensions are measured, the error is smaller and corresponds to the error value of the smaller sets.

0894 Individual extensions



⋈	◪	Length mm	Tube dia. mm	Order no.	List price EUR
		50	17	0894 804	179.00
		100	17	0894 806	203.00
		200	17	0894 810	219.00
		400	17	0894 820	242.00
		800	17	0894 834	275.00
		500	32	0894 854	904.00
		1000	32	0894 872	938.00

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

1921 3 point internal micrometers

DIN 863-4



1921 512



1921 534



Inclusive!

Model

- DIN 863-4
- Reading: 0.001 mm*
- Reading: 0.005 mm
- Reading parts are satin chrome finished
- Pitch 0.5 mm
- Carbide tipped measuring pins from measuring range 12 mm
- Ratchet stop
- From measuring range 12 mm for through and blind holes

Delivery

- Plastic case
- Incl. setting ring
- Calibration certificate for ring and micrometer

⋈		Measuring range mm	Measuring depth mm	Thimble dia. mm	Error limit µm	Order no.	List price EUR
▪		6 - 8	58	16	4	1921 510*	398.00
▪		8 - 10	58	16	4	1921 512*	398.00
▪		10 - 12	58	16	4	1921 514*	398.00
▪		12 - 16	64	16	4	1921 516*	398.00
▪		16 - 20	64	16	4	1921 518*	422.00
▪		20 - 25	68	25	4	1921 520	433.00
▪		25 - 30	68	25	4	1921 522	439.00
▪		30 - 40	76	25	4	1921 524	493.00
▪		40 - 50	76	25	4	1921 526	493.00
▪		50 - 60	79	25	5	1921 528	568.00
▪		60 - 70	79	25	5	1921 530	585.00
▪		70 - 85	97	25	5	1921 532	601.00
▪		85 - 100	97	25	5	1921 534	617.00
▪		100 - 125	132	25	6	1921 536	866.00
▪		125 - 150	132	25	6	1921 538	1023.00
▪		150 - 175	132	25	7	1921 540	1077.00
▪		175 - 200	132	25	7	1921 542	1137.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1920 Set of 3 point internal micrometers

DIN 863-4







Model

- DIN 863-4
- Reading: 0.001 mm*
- Reading: 0.005 mm
- Reading parts are satin chrome finished
- Pitch 0.5 mm
- Carbide tipped measu-ring pins from measuring range 12 mm
- Ratchet stop
- From measuring range 12 mm for through and blind holes

Delivery

- Plastic case
- Incl. setting ring
- Calibration certificate for ring and micrometer

⋈		Measuring range mm	Thimble dia. mm	Number of devices	Order no.	List price EUR
▪		6 - 12	16	3	1920 574	1126.00
▪		12 - 20	16	2	1920 576	790.00
▪		20 - 50	25	4	1920 578	1949.00
▪		50 - 100	25	4	1920 580	2328.00

1920 Measuring depth extensions for 3 point internal micrometers



Model

- Suitable for devices 1920, 1921, 1923 and 1924

⋈		Measuring range mm	Length mm	Order no.	List price EUR
		6 - 12	75	1920 910	92.00
		12 - 20	75	1920 914	98.00
		20 - 30	100	1920 920	103.00
		30 - 200	100	1920 924	124.00

1923 DIGI-MET® 3 point internal micrometers



DIN 863-4

Model

- DIN 863-4
- Reading: 0.001 mm / .00005 inch
- Protection class IP52
- LCD display 8.5 mm
- Ratchet stop
- For through holes
- From measuring range 12 mm for through and blind holes
- From measuring range 12 mm with carbide tipped measuring faces

Functions

- ON / OFF
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the Preset value)
- **Q**uick-**L**ock (key lock)
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

Delivery

- Plastic case
- Incl. setting ring
- Calibration certificate for setting ring and micrometer



Inclusive!

⋈		Measuring range mm	Measuring depth mm	Error limit µm	Order no.	List price EUR
▪		6 - 8	58	4	1923 510	1099.00
▪		8 - 10	58	4	1923 512	1099.00
▪		10 - 12	58	4	1923 514	1110.00
▪		12 - 16	64	4	1923 516	1110.00
▪		16 - 20	64	4	1923 518	1157.00
▪		20 - 25	68	4	1923 520	1177.00
▪		25 - 30	68	4	1923 522	1188.00
▪		30 - 40	76	4	1923 524	1240.00
▪		40 - 50	76	4	1923 526	1245.00
▪		50 - 60	79	5	1923 528	1339.00
▪		60 - 70	79	5	1923 530	1370.00
▪		70 - 85	97	5	1923 532	1401.00
▪		85 - 100	97	5	1923 534	1454.00
▪		100 - 125	132	6	1923 536	1766.00
▪		125 - 150	132	6	1923 538	1975.00
▪		150 - 175	132	7	1923 540	2126.00
▪		175 - 200	132	7	1923 542	2308.00



1998720 1998501 1997501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to digimatic	1998 501	64.00
Data cable DATA VARIABLE to USB	1998 720	72.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1923 DIGI-MET® Set of 3 point internal micrometers



Delivery

- Plastic case
- Incl. setting ring
- Calibration certificate for setting ring and micrometer

		Measuring range mm	Error limit µm	Number of devices	Order no.	List price EUR
▪		6 - 12	4	3	1923 574	1771.00
▪		12 - 20	4	2	1923 576	1563.00
▪		20 - 50	4	4	1923 578	2292.00
▪		50 - 100	5	4	1923 580	2813.00



1998720



1998501



1997501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable DATA VARIABLE to RS232	1997 501	50.00
Data cable DATA VARIABLE to digimatic	1998 501	64.00
Data cable DATA VARIABLE to USB	1998 720	72.00

1923 DIGI-MET® Basic unit for 3 point internal micrometers



Model

- Reading: 0.001 mm / .00005 inch
- Protection class IP52
- LCD display 8.5 mm
- Ratchet stop
- Mounting thread for changing of measuring heads

Functions

- ON / OFF
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the Preset value)
- **Q**uick-**L**ock (key lock)
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

		Measuring range mm	Order no.	List price EUR
		6 - 20	1923 100	797.00
		20 - 100	1923 200	797.00
		100 - 200	1923 300	797.00

Single measuring heads on page 106

1924 DIGI-MET® 3 point internal measuring pistols



1924 528

Model

- For through holes
- Mounting thread for changing of measuring heads
- From measuring range 12 mm for through and blind holes
- From measuring range 12 mm with carbide tipped measuring faces
- Digital indicator recommended as display device

Delivery

- Plastic case
- Incl. setting ring
- Without display device
- Calibration certificate **for setting ring** included



Inclusive!

⋈		Measuring range mm	Measuring depth mm	Order no.	List price EUR
▪		6 - 8	58	1924 510	818.00
▪		8 - 10	58	1924 512	818.00
▪		10 - 12	58	1924 514	828.00
▪		12 - 16	64	1924 516	839.00
▪		16 - 20	64	1924 518	870.00
▪		20 - 25	68	1924 520	870.00
▪		25 - 30	68	1924 522	901.00
▪		30 - 40	76	1924 524	948.00
▪		40 - 50	76	1924 526	953.00
▪		50 - 60	79	1924 528	1037.00
▪		60 - 70	79	1924 530	1078.00
▪		70 - 85	97	1924 532	1115.00
▪		85 - 100	97	1924 534	1167.00
▪		100 - 125	132	1924 536	1438.00
▪		125 - 150	132	1924 538	1657.00
▪		150 - 175	132	1924 540	1771.00
▪		175 - 200	132	1924 542	1980.00


1726506


172650660

Accessories	Order no.	List price EUR
DIGI-MET® Indicator	1726 506	380.00
DIGI-MET® Indicator with integrated wireless	172650 660	425.00

Calibration certificate for pistol and head only possible in combination with an Indicator

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1924 DIGI-MET® Set of 3 point internal measuring pistols



Model

- For through holes
- From measuring range 12 mm for through and blind holes
- From measuring range 12 mm with carbide tipped measuring faces
- Digital indicator recommended as display device

Delivery

- Plastic case
- Incl. setting ring
- Without display device
- Calibration certificate **for setting ring** included

⋈		Measuring range mm	Number of devices	Order no.	List price EUR
▪		6 - 12	3	1924 574	1459.00
▪		12 - 20	2	1924 576	1250.00
▪		20 - 50	4	1924 578	2084.00
▪		50 - 100	4	1924 580	2709.00

Calibration certificate for pistol and head on request, only possible in combination with an Indicator

1924 DIGI-MET® Basic unit for 3 point internal measuring pistols



Model

- Mounting thread for changing of measuring heads
- Support for indicators with shaft Ø 8 mm
- Measuring range 6-100 mm incl. adapter for 6-20 mm

Delivery

- Plastic case

⋈		Measuring range mm	Order no.	List price EUR
		6 - 100	1924 100	500.00
		20 - 100	1924 200	500.00
		100 - 200	1924 300	584.00

Accessories	Order no.	List price EUR
Replacement adapter 6-20 mm for measuring pistol 1924 100	1924 190	79.00

Single measuring heads on page 106

1922 Individual measuring heads for 1923 / 1924



1922 512



1922 534

Model

- Self centering measuring head with three anvils, offset at intervals of 120°
- From measuring range 12 mm with carbide tipped measuring faces
- From measuring range 12 mm for through and blind holes
- From measuring range 40 mm, measuring heads are made of aluminium to reduce weight
- Can only be used on digital internal micrometers

⋈		Measuring range mm	Order no.	List price EUR
		6 - 8	1922 510	302.00
		8 - 10	1922 512	302.00
		10 - 12	1922 514	307.00
		12 - 16	1922 516	307.00
		16 - 20	1922 518	318.00
		20 - 25	1922 520	328.00
		25 - 30	1922 522	339.00
		30 - 40	1922 524	380.00
		40 - 50	1922 526	380.00
		50 - 60	1922 528	453.00
		60 - 70	1922 530	464.00
		70 - 85	1922 532	479.00
		85 - 100	1922 534	495.00
		100 - 125	1922 536	724.00
		125 - 150	1922 538	880.00
		150 - 175	1922 540	953.00
		175 - 200	1922 542	985.00

1920 Measuring depth extensions for 3 point internal micrometers



Model

- Suitable for devices 1920, 1921, 1923 and 1924

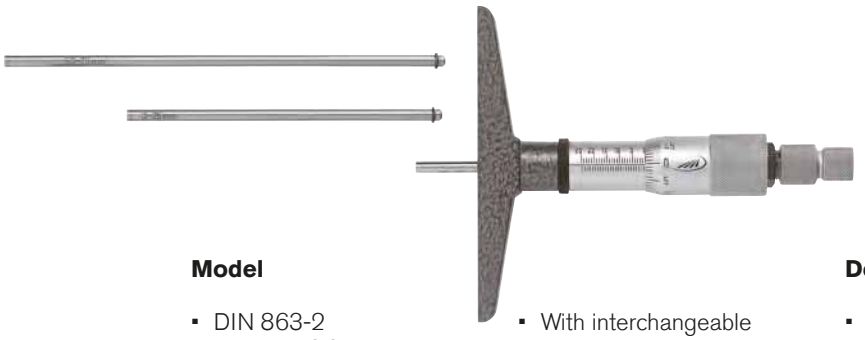
⋈		Measuring range mm	Length mm	Order no.	List price EUR
		6 - 12	75	1920 910	92.00
		12 - 20	75	1920 914	98.00
		20 - 30	150	1920 920	103.00
		30 - 200	150	1920 924	124.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0882 Depth micrometers

DIN 863-2



Model

- DIN 863-2
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Locking ring
- Friction coupling
- With interchangeable steek measuring inserts dia. 4 mm
- Hardened measuring faces

Delivery

- Wooden case

Measuring range mm	Length of beam mm	Pitch mm	Thimble dia. mm	Error limit mm	Order no.	List price EUR
Measuring faces dia. 0.8 mm, length 8.5 mm						
0 - 50	50	0.5	20	0.004	0882 300	293.00
0 - 75	50	0.5	20	0.005	0882 301	319.00
0 - 100	100	0.5	20	0.005	0882 303	350.00
0 - 150	100	0.5	20	0.006	0882 304	410.00
0 - 300	100	0.5	20	0.009	0882 306	660.00

0886 Micrometer heads

DIN 863-2



0886 503



0886 507

Model

- DIN 863-2
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Carbide measuring faces

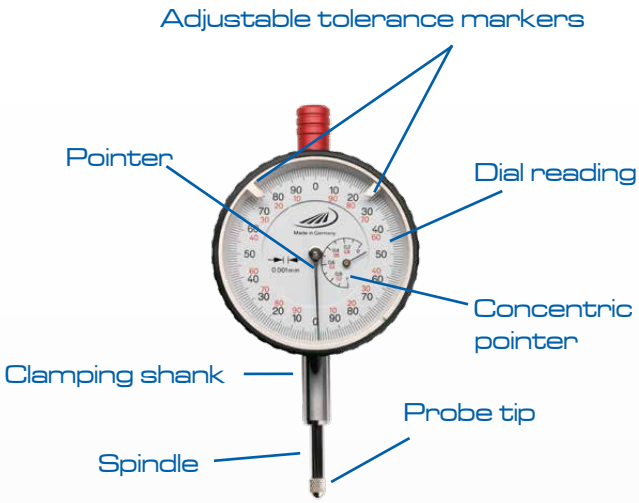
Delivery

- Plastic case

Measuring range mm	Spindle dia. mm	Thimble dia. mm	Attachement dia. mm	Error limit mm	Description	Order no.	List price EUR
0 - 6.5	3.5	9.5	6.0	0.003	without ratchet stop	0886 503	24.40
0 - 13	6.5	13.5	9.5	0.003	without ratchet stop	0886 505	28.10
0 - 25	6.5	18	12	0.003	with ratchet stop	0886 507	24.40
0 - 25	8	18	12	0.003	ratchet stop, non-rotating spindle	0886 513	43.30

HELIOS · PREISSER

SAMPLES **INDICATORS**



Specifications

- Housing made from metal or polyamide
- Replacement probe tips M 2.5
- Shockproof devices available
- Water and oil proof devices available

Electronic functions

Quick**S**tart Electronic: Moving the spindle starts your measurement

Quick**L**ock Function: Single keys can be locked individually

Data Variable: Interface for USB, RS 232 & Digimatic

Integrated data transmission (Integrated Wireless)



1734i
with integrated wireless

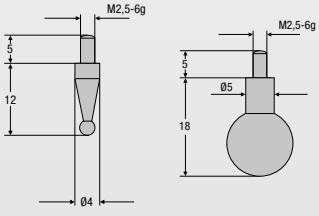
Matching accessories for our **Indicators**



MEASURING **TABLES**



MEASURING **STANDS**



MEASURING **INSERTS**

3. CHAPTER INDICATORS

110	Indicators
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1722 / 1723 / 1724 DIGI-MET® Indicators



1722 502



1723 502



1724 502

Model

- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP52
- Clamping shank Ø 8 mm
- LCD display with 12 mm high numerals
- Accuracy according to factory standard

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- Reversal of counting direction
- mm / inch switching
- Individual key lock
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

Delivery

- Cardboard box

⋈		Measuring span	Resolution		Error limit	Measuring force	Order no.	List price
		mm	mm	inch	mm	N		EUR
		12.5	0.01	.0005	0.02	0.5 - 1	1722 502	142.00
		12.5	0.005	.0001	0.015	0.5 - 1	1723 502	179.00
		12.5	0.001	.00005	0.005	0.5 - 1	1724 502	296.00



1998720



1997501



1998501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable Data Variable to USB	1998 720	72.00
Data cable Data Variable to RS232	1997 501	50.00
Data cable Data Variable to digimatic	1998 501	64.00
Cable release (12,5 mm)	1739 920	14.90

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1726 / 1728 DIGI-MET® Indicators



1726 502



1728 502

Model

- Aluminium housing
- Hardened stainless steel spindle
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP42
- Clamping shank Ø 8 mm
- Display unit can be rotated through 280°
- LCD display with 11 mm high numerals
- Factory standard

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the Preset value)
- TOL (tolerance value input)
- Reversal of counting direction
- Factor input
- Individual key lock
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

Delivery

- Cardboard box

		Measuring span	Resolution		Error limit		Repeatability	Measuring force	Order no.	List price
		mm	mm	inch	total span mm	partial span** mm	mm	N		EUR
Reading 0.001 mm										
		12.5	0.001*	.00005	0.004	0.002	0.001	0.65 - 0.9	1726 502	345.00
		25	0.001*	.00005	0.004	0.002	0.001	0.65 - 1.15	1726 506	380.00
		50	0.001*	.00005	0.007	0.002	0.001	1.25 - 2.7	1726 510	669.00
		100	0.001*	.00005	0.008	0.002	0.001	1.6 - 3.5	1726 514	828.00
Reading 0.01 mm										
		12.5	0.01	.0005	0.02		0.01	0.65 - 0.9	1728 502	289.00
		25	0.01	.0005	0.02		0.01	0.65 - 1.15	1728 506	368.00
		50	0.01	.0005	0.02		0.01	1.25 - 2.7	1728 510	600.00
		100	0.01	.0005	0.02		0.01	1.6 - 3.5	1728 514	768.00

* Reading switchable: 0.0005 / 0.001 / 0.002 / 0.005 / 0.010 mm
** Partial span= 25 steps by step value 0.0005 mm



1998720



1998501



1997501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2450	1998 770	5.90
Data cable Data Variable to USB	1998 720	72.00
Data cable Data Variable to RS232	1997 501	50.00
Data cable Data Variable to digimatic	1998 501	64.00
Cable release (12,5 mm)	1739 910	40.00

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

1730 DIGI-MET® Indicators



1730 502



1730 506

Model

- Aluminium housing
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP54
- Clamping shank Ø 8 mm
- Display unit can be rotated through 280°
- LCD display with 11 mm high numerals
- Factory standard

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the Preset value)
- TOL (tolerance value input)
- Reversal of counting direction
- Factor input
- Individual key lock
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

Delivery

- Cardboard box

		Measuring span	Resolution		Error limit		Repeatability	Measuring force	Order no.	List price
		mm	mm	inch	total span mm	partial span** mm	mm	N		EUR
		12.5	0.001	.00005	0.004	0.002	0.001	0.65 - 0.9	1730 502	382.00
		25	0.001	.00005	0.004	0.002	0.001	0.65 - 1.15	1730 506	431.00

* Reading switchable: 0.0005 / 0.001 / 0.002 / 0.005 / 0.010 mm
** Partial span= 25 steps by step value 0.0005 mm



1998720



1998501



1997501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2450	1998 770	5.90
Data cable Data Variable to USB	1998 720	72.00
Data cable Data Variable to RS232	1997 501	50.00
Data cable Data Variable to digimatic	1998 501	64.00
Cable release (12,5 mm)	1739 910	40.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1734 DIGI-MET® indicators with combined analogue / digital display



1734 502



1734 506

Model

- Aluminium housing
- Hardened stainless steel spindle
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP42
- Clamping shank Ø 8 mm
- Display unit can be rotated through 280°
- LCD display with 8.5 mm high numerals
- Factory standard

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the Preset value)
- TOL (tolerance value input)
- MIN / MAX
- TIR (MIN-MAX differential)
- Reversal of counting direction
- Factor input
- Individual key lock
- Variable data output RS 232 + Digimatic + USB
- PRESET-Function (setting a numerical value)

Delivery

- Cardboard box

		Measuring span	Resolution		Error limit		Repeatability	Measuring force	Order no.	List price
		mm	mm	inch	total span mm	partial span** mm	mm	N		EUR
		12.5	0.001	.00005	0.004	0.002	0.001	0.65 - 0.9	1734 502	397.00
		25	0.001	.00005	0.004	0.002	0.001	0.65 - 1.15	1734 506	455.00

* Reading switchable: 0.0005 / 0.001 / 0.002 / 0.005 / 0.010 mm
** Partial span= 25 steps by step value 0.0005 mm



1998720



1998501



1997501

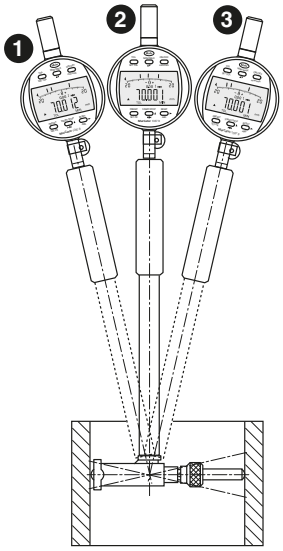
Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2450	1998 770	5.90
Data cable Data Variable to USB	1998 720	72.00
Data cable Data Variable to RS232	1997 501	50.00
Data cable Data Variable to digimatic	1998 501	64.00
Cable release (12,5 mm)	1739 910	40.00

1734 DIGI-MET® indicator with combined analogue / digital display

for comparator gauges



1734 522





Application

The turning point can be determined automatically in measurements with a 2 point internal measuring device through commuting. The actual value is detected and stored by the MIN function and appears on the display.

Model

- Aluminium housing
- Hardened stainless steel spindle
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP42
- Clamping shank Ø 8 mm
- Display unit can be rotated through 280°
- LCD display with 8.5 mm high numerals
- Factory standard

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the Preset value)
- TOL (tolerance value input)
- MIN / MAX
- Reversal of counting direction
- Factor input
- Individual key lock
- Variable data output RS 232 + Digimatic + USB
- PRESET-Function (setting a numerical value)

Delivery

- Cardboard box

⋈		Measuring span	Resolution		Error limit		Repeatability	Measuring force	Order no.	List price
		mm	mm	inch	total span mm	partial span** mm	mm	N		EUR
		12.5	0.001	.00005	0.004	0.002	0.001	0.65 - 0.9	1734 522	515.00

* Reading switchable: 0.0005 / 0.001 / 0.002 / 0.005 / 0.010 mm
** Partial span= 25 steps by step value 0.0005 mm



1998720 1998501 1997501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2450	1998 770	5.90
Data cable Data Variable to USB	1998 720	72.00
Data cable Data Variable to RS232	1997 501	50.00
Data cable Data Variable to digimatic	1998 501	64.00
Cable release (12,5 mm)	1739 910	40.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1726i / 1734i DIGI-MET® Indicators with integrated wireless



1726 50260



1734 50260

integrated iW wireless

Wireless Data Transmission



3

Model

- Aluminium housing
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M2.5
- Protection class IP42
- Clamping shank Ø 8mm
- Display can be rotated through 280°
- LCD display with 11 mm high numerals
- Factory standard

Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the Preset value)
- TOL (tolerance value input)
- Reversal of counting direction
- Factor input
- Individual key lock
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB
- Integrated Wireless

Delivery

- Cardboard box

More information on our i-series and Integrated Wireless on page 252

Measuring span mm	Resolution mm	Resolution inch	Error limit total span mm	Error limit partial span** mm	Repeatability mm	Measuring force N	Order no.	List price EUR
12.5	0.0005	.00002	0.004	0.002	0.001	0.65 - 0.9	1726 50260	391.00
25	0.0005	.00002	0.004	0.002	0.001	0.65 - 1.15	1726 50660	425.00
With combined analogue / digital display and MIN / MAX / TIR Function								
12.5	0.0005	.00002	0.004	0.002	0.001	0.65 - 0.85	1734 50260	441.00
25	0.0005	.00002	0.004	0.002	0.001	0.65 - 0.9	1734 50660	497.00

* Reading switchable: 0.0005 / 0.001 / 0.002 / 0.005 / 0.010 mm
** Partial span= 25 steps by step value 0.0005 mm



1998780

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2450	1998 770	5.90
Data cable Data Variable to USB	1998 720	72.00
Data cable Data Variable to RS232	1997 501	50.00
Data cable Data Variable to digimatic	1998 501	64.00
Cable release (12,5 mm)	1739 910	40.00
i-Stick USB-receiver for Integrated Wireless	1998 780	95.00

Integrated Wireless is intended to be sold in the European Economic Area only

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

0691 DIGI-MET® Indicators

Model

- Aluminium housing
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP51
- Water and coolant resistant
- Clamping shank Ø 8 mm
- Display unit can be rotated through 270°
- LCD display with 11 mm high numerals
- Factory standard

Functions

- ON / OFF
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Reversal of counting direction
- Data interface RS232 Proximity (cable no. 1998 760)

*** Additional functions: models 0691 751 + 0691 753**

- TOL (tolerance value input)
- Factor input
- MIN / MAX
- TIR (MIN-MAX differential)

Delivery

- Cardboard box



0691 733



0691 735



0691 747

⋈		Measuring span	Resolution		Error limit	Order no.	List price
		mm	mm	inch	mm		EUR
Reading 0.01 mm							
		12.5	0.01	.0005	0.01	0691 731	378.00
		25	0.01	.0005	0.01	0691 733	433.00
		50	0.01	.0005	0.02	0691 735	943.00
		100	0.01	.0005	0.02	0691 737	1063.00
Reading 0.001 mm							
		12.5	0.001	.00005	0.004	0691 741	467.00
		25	0.001	.00005	0.005	0691 743	512.00
		50	0.001	.00005	0.007	0691 745	1045.00
		100	0.001	.00005	0.008	0691 747	1207.00
Reading 0.001 mm, with additional functions*							
		12.5	0.001	.00005	0.003	0691 751	543.00
		25	0.001	.00005	0.004	0691 753	600.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0701 Small dial gauges with lightweight plastic housing



Model

- Lightweight housing made of polyamide
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- DIN 878

Delivery

- Fitted case

DIN 878

Measuring span mm	Scale graduation value mm	Range per rev. mm	Outer ring (Bezel) Ø mm	Order no.	List price EUR
Small dial gauge					
5	0.01	0.5	40	0701 101	44.60
Shockproof small dial gauge					
5	0.01	0.5	40	0701 102	56.00

3

0708 Small dial gauges



0708 101



0708 102

Model

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- With a revolution counter
- DIN 878

Delivery

- Fitted case

DIN 878

Measuring span mm	Scale graduation value mm	Range per rev. mm	Outer ring (Bezel) Ø mm	Order no.	List price EUR
10	0.01	1.0	40	0708 101	96.00
5	0.01	0.5	40	0708 102	61.00
3	0.01	0.5	32	0708 103	74.00
3	0.01	0.5	40	0708 104	50.00
Shockproof small dial gauge					
3	0.01	0.5	40	0708 105	61.00
5	0.01	0.5	40	0708 106	81.00

0701 Dial gauges

DIN 878



0701 106



0701 110

Model

- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- DIN 878
- 0701 103 = Factory standard

Delivery

- Fitted case

Measuring span mm	Scale graduation value mm	Range per rev. mm	Outer ring (Bezel) Ø mm	Order no.	List price EUR
Dial gauge, plastic housing					
10	0.01	1	58	0701 103	24.00
Dial indicator with shock protection, injection-molded housing					
10	0.01	1	58	0701 106	25.00
Dial gauge, metal housing					
10	0.01	1	58	0701 110	41.70
Shockproof dial gauge, metal housing					
10	0.01	1	58	0701 111	47.90

0703 Dial gauges with extended measuring range



0703 101

Model

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- With a concentric pointer
- Factory standard

Delivery

- Fitted case

Measuring span mm	Scale graduation value mm	Range per rev. mm	Outer ring (Bezel) Ø mm	Order no.	List price EUR
30	0.01	1	58	0703 101	110.00
50	0.01	1	58	0703 104	153.00
80	0.01	1	58	0703 107	307.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0704 Shockproof dial gauges



0704 105



0704 109

DIN 878

Model

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- Shockproof

Delivery

- Fitted case

Measuring span mm	Scale graduation value mm	Range per rev. mm	Outer ring (Bezel) Ø mm	Order no.	List price EUR
Revolution counter: DIN 878					
10	0.01	1	58	0704 105	78.00
With fine adjustment of the pointer: DIN 878					
10	0.01	1	58	0704 106	96.00
Concentric pointer: Factory standard					
30	0.01	1	58	0704 109	126.00
50	0.01	1	58	0704 110	163.00

0707 Water and oil proof dial gauges



0707 102

IP 67

DIN 878

Model

- Metal housing, water and oil proof
- Protection class IP67
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- Rubber belows
- Shockproof
- Outer ring (Bezel) can be rotated through 360°
- DIN 878

Delivery

- Fitted case

Measuring span mm	Scale graduation value mm	Range per rev. mm	Outer ring (Bezel) Ø mm	Order no.	List price EUR
3	0.01	0.5	44.5	0707 101	138.00
10	0.01	1	61.5	0707 102	118.00

0700 Dial gauges, graduation 0.1 mm



0700 102



0700 104

Model

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- Factory standard

Delivery

- Fitted case

⋈		Measuring span mm	Scale graduation value mm	Range per rev. mm	Outer ring (Bezel) Ø mm	Order no.	List price EUR
		10	0.1	10	40	0700 100	67.00
		5	0.1	5	40	0700 101	67.00
		10	0.1	10	58	0700 102	51.00
Straight line revolution counter							
		30	0.1	10	58	0700 104	59.00

0702 Dial gauge with concentric mm display

DIN 878



0702 106

Model

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- With a concentric pointer
- DIN 878

Delivery

- Fitted case

⋈		Measuring span mm	Scale graduation value mm	Range per rev. mm	Outer ring (Bezel) Ø mm	Order no.	List price EUR
		10	0.01	1	58	0702 106	68.00

Marked ▪ = excess length/excess weight

⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0705 Precision dial gauges



0705 102

Model

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- With a revolution counter
- Factory standard

Delivery

- Fitted case

Measuring span mm	Scale graduation value mm	Range per rev. mm	Outer ring (Bezel) Ø mm	Order no.	List price EUR
1	0.001	0.2	40	0705 102	121.00
1	0.001	0.2	58	0705 104	121.00
5	0.001	0.2	58	0705 105	126.00
Precision shockproof dial gauge					
1	0.001	0.2	40	0705 107	128.00
5	0.001	0.2	58	0705 109	156.00

0706 Error free, shockproof dial gauge

DIN 878



0706 102

Model

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- DIN 878

Delivery

- Fitted case

Measuring span mm	Scale graduation value mm	Dial reading	Overtravel mm mm	Outer ring (Bezel) Ø mm	Order no.	List price EUR
0.8	0.01	40-0-40	1	58	0706 102	78.00

0709 Dial gauges with reverse action plunger



Model

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- Factory standard

Delivery

- Fitted case

⋈		Measuring span mm	Scale graduation value mm	Range per rev. mm	Outer ring (Bezel) Ø mm	Order no.	List price EUR
		3	0.01	0.5	40	0709 101	116.00
		5	0.01	1	58	0709 108	138.00

0712 Dial comparator gauge MICROTAST



0712 121



0712 124

Model

- Measuring spindle is made of hardened stainless steel
- Longer measuring spindle
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- Tolerance markers
- Shockproof
- Fine adjustment
- DIN 879

Delivery

- Fitted case

DIN 879

⋈		Measuring span mm	Scale graduation value mm	Dial reading	Overtravel mm	Order no.	List price EUR
		0.5	0.01	25-0-25	2.5	0712 121	155.00
		0.1	0.001	50-0-50	3	0712 124	190.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0710 Magnetic back

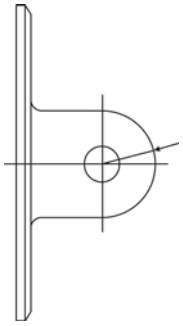


Model

- For dial gauges with outer ring (Bezel) Ø 58 mm
- Allows dial gauges to be used without a holder or a stand
- Magnetic force 220 N
- Cannot be used in conjunction with dial gauges 0701103 and 0701106 or any digital gauges

Order no.	List price EUR
0710 101	53.00

0710 Lug back

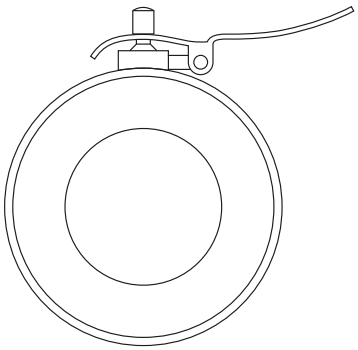


Model

- Ø 5 mm
- For retrofitting
- Cannot be used in conjunction with dial gauges 0701103 and 0701106 or any digital gauges

Diameter mm	Order no.	List price EUR
For dial gauges with an outer ring (Bezel) dia. 40 mm		
5	0710 102	6.60
For dial gauges with an outer ring (Bezel) dia. 58 mm		
5	0710 103	6.80

0710 Spindle lifting lever



Model

- For dial gauges with a measuring span of max. 10 mm
- Cannot be used in conjunction with dial gauges 0701103 and 0701106 or any digital gauges

Diameter mm	Order no.	List price EUR
For dial gauges with an outer ring (Bezel) dia. 40 mm		
5	0710 104	10.50
For dial gauges with an outer ring (Bezel) dia. 58 mm		
5	0710 105	10.50

0724 Angle lever attachment



Model

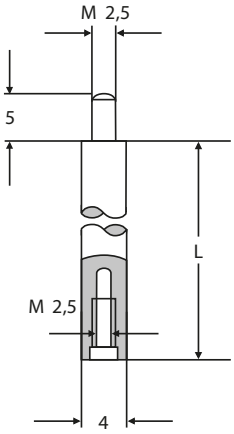
- Clamping shank Ø 8 mm
- Smallest measurable hole: 6 mm
- Measuring span 10 mm

Delivery

- Excludes dial gauge
- Cardboard box

⋈		Measuring depth mm	Order no.	List price EUR
		60	0724 101	59.00

0710 Extensions for dial gauges



Model

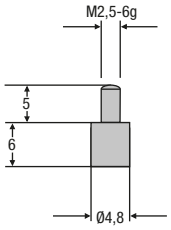
- Special steel
- Thread M 2.5

⋈		Length mm	Order no.	List price EUR
		10	0710 111	4.50
		15	0710 112	4.50
		20	0710 113	4.50
		25	0710 114	4.50
		30	0710 115	4.50
		35	0710 116	4.50
		40	0710 117	4.50
		45	0710 118	4.50
		50	0710 119	4.50
		55	0710 120	4.50
		60	0710 121	4.50
		65	0710 122	4.50
		70	0710 123	4.50
		75	0710 124	4.50
		80	0710 125	4.50
		85	0710 126	4.50
		90	0710 127	4.50
		95	0710 128	4.50
		100	0710 129	4.50

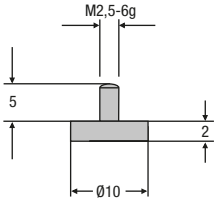
Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

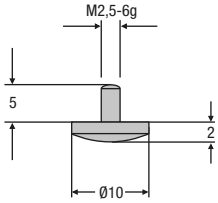
0710 Measuring inserts M 2.5



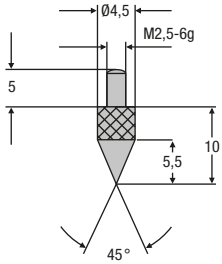
Material contact surface	Length mm	Order no.	List price EUR
Special steel	6	0710 161	4.30
Carbide	6	0710 261	29.80



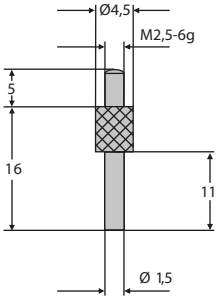
Material contact surface	Length mm	Order no.	List price EUR
Special steel	2	0710 162	5.60
Carbide	2	0710 262	48.00



Material contact surface	Length mm	Order no.	List price EUR
Special steel	2	0710 163	6.50
Carbide	2	0710 263	75.00

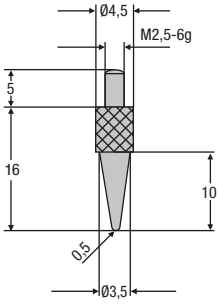


Material contact surface	Length mm	Order no.	List price EUR
Special steel	10	0710 164	6.50
Carbide	10	0710 264	56.00

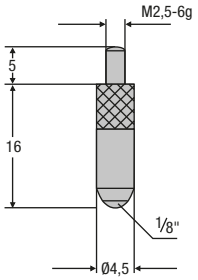


Material contact surface	Length mm	Diameter	Order no.	List price EUR
Special steel	16	1.5 mm	0710 165	8.20
Carbide	16	1.5 mm	0710 265	25.80

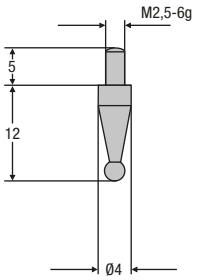
0710 Measuring inserts M 2.5



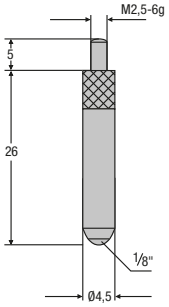
⋈		Material contact surface	Length mm	Order no.	List price EUR
		Special steel	16	0710 166	5.90



⋈		Material contact surface	Length mm	Order no.	List price EUR
		Special steel	16	0710 167	4.10
		Carbide	16	0710 267	13.70
		Ruby	16	0710 367	10.70
		Sapphire	16	0710 467	10.70



⋈		Material contact surface	Length mm	Ball diameter mm	Order no.	List price EUR
Tolerance of the ball diameter +/- 1 µm						
		Special steel	12	1	0710 169	8.20
		Special steel	12	1.5	0710 170	8.20
		Special steel	12	2	0710 171	8.20
		Special steel	12	2.5	0710 172	8.20
		Special steel	12	3	0710 173	8.20
		Special steel	12	3.5	0710 174	8.20
		Special steel	12	4	0710 175	8.20
		Special steel	12	4.5	0710 176	8.20
		Special steel	12	5	0710 177	8.20
		Special steel	12	5.5	0710 178	8.20
		Special steel	12	6	0710 179	8.20
		Special steel	12	6.5	0710 180	8.20

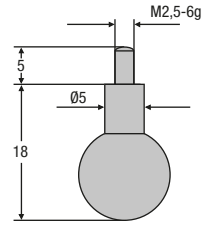


⋈		Material contact surface	Length mm	Order no.	List price EUR
		Special steel	26	0710 168	4.10
		Carbide	26	0710 268	13.70
		Ruby	26	0710 368	10.70
		Sapphire	26	0710 468	10.70

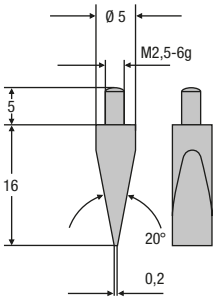
Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

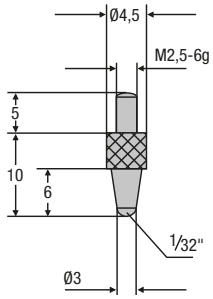
0710 Measuring inserts M 2.5



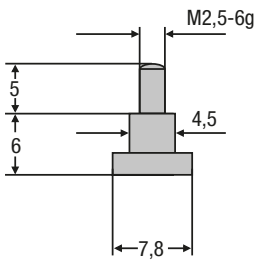
Material contact surface	Length mm	Ball diameter mm	Order no.	List price EUR
Special steel	18	7	0710 181	8.20
Special steel	18	7.5	0710 182	8.20
Special steel	18	8	0710 183	8.20
Special steel	18	8.5	0710 184	8.20
Special steel	18	9	0710 185	8.20
Special steel	18	9.5	0710 186	8.20
Special steel	18	10	0710 187	8.20
Special steel	18	10.5	0710 188	8.20
Special steel	18	11	0710 189	8.20



Material contact surface	Length mm	Order no.	List price EUR
With locknut			
Special steel	16	0710 192	10.10
Carbide	16	0710 292	71.00

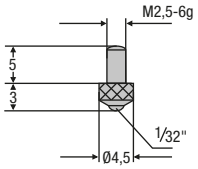


Material contact surface	Length mm	Order no.	List price EUR
Special steel	10	0710 193	4.30

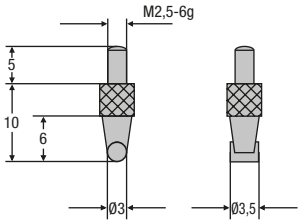


Material contact surface	Length mm	Order no.	List price EUR
Special steel	6	0710 194	5.90

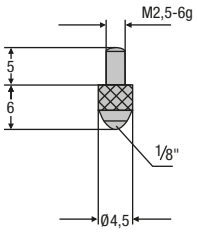
0710 Measuring inserts M 2.5



⋈		Material contact surface	Length mm	Order no.	List price EUR
		Special steel	3	0710 195	1.50



⋈		Material contact surface	Length mm	Diameter mm	Order no.	List price EUR
With locknut						
		Special steel	10	3 x 3.5	0710 196	11.10



⋈		Material contact surface	Length mm	Order no.	List price EUR
		Special steel	6	0710 197	1.30
		Carbide	6	0710 297	5.70
		Ruby	6	0710 397	8.00
		Sapphire	6	0710 497	8.00

Marked ▪ = excess length/excess weight

⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0715 Dial test indicators



0715 101



0715 201

Model

- Carbide tipped measuring inserts, Ø 2.0 mm
- Form A in accordance to DIN 2270
- Revolving dial
- 3-piece swallow tail guide
- Automatic reversal of the counting direction
- Measuring force 0.15 N

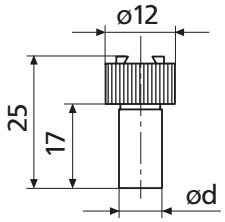
Delivery

- Fitted case

DIN 2270

Measuring range mm	Scale graduation value mm	Range per rev. mm	Stylus length mm	Dial reading	Outer ring (Bezel) Ø mm	Order no.	List price EUR
± 0.4	0.01	0.8	14.5	0-40-0	30	0715 101	80.00
± 0.4	0.01	0.8	14.5	0-40-0	40.5	0715 103	90.00
± 0.25	0.01	0.5	41.2	0-25-0	30	0715 201	126.00
± 0.1	0.002	0.2	14.5	0-100-0	40.5	0715 303	113.00
± 0.1	0.002	0.2	14.5	0-100-0	30	0715 305	107.00
± 0.5	0.01	0.5	32.3	0-50-0	40.5	0715 307	160.00

0715 Clamping shanks for dial test indicators

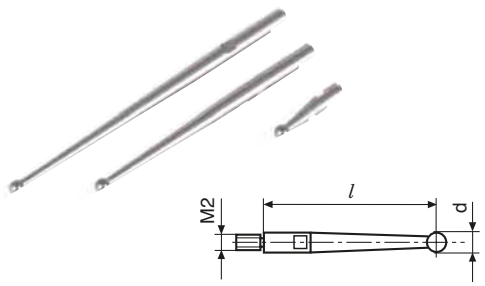


Model

- With swallow tail mounting for dial test indicators and clamping nut

Diameter	Order no.	List price EUR
4h6	0715 903	12.10
8h6	0715 907	12.10

0715 Measuring inserts with carbide ball



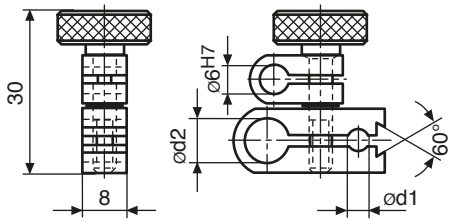
Length mm	Ball diameter mm	Order no.	List price EUR
14.5	1	0715 915	16.90
14.5	2	0715 917	13.30
14.5	3	0715 919	13.30
32.3	1	0715 921	18.70
32.3	2	0715 922	14.10
32.3	3	0715 923	14.00
41.2	1	0715 925	17.10
41.2	2	0715 926	13.30
41.2	3	0715 929	13.30

0715 Key for measuring inserts



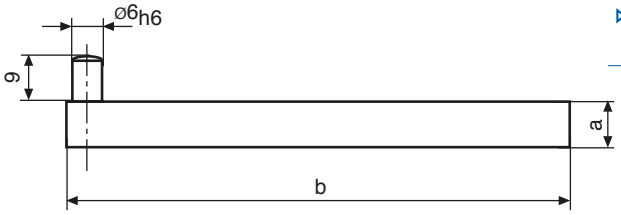
Order no.	List price EUR
0715 940	2.50

0715 Universal clamp



Diameter mm	Order no.	List price EUR
8	0715 950	25.30

0715 Holder



Length mm	Cross-section mm	Order no.	List price EUR
100	9 x 9	0715 955	16.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0716 Dial depth gauges with a measuring base



0716 101



0716 111

Model

- Measuring base is made of stainless steel, hardened
- Replacement probe tip M 2.5
- Revolving dial
- Factory standard

Delivery

- Cardboard box

Measuring range mm	Reading mm	Contact surface mm	Range per rev. mm	Scale dia. mm	Order no.	List price EUR
0 - 10	0.01	100 x 15	1	58	0716 101	140.00
Concentric pointer						
0 - 30	0.01	150 x 15	1	58	0716 102	204.00
0 - 30	0.01	100 x 15	1	58	0716 105	183.00
Prismatic base						
0 - 30	0.01	for dia. 10 - 100	1	58	0716 111	270.00

0716 Depth measuring base for indicators



0716 192

Model

- Special steel, chrome plated
- Mounting for indicator Ø 8 mm

Delivery

- Cardboard box

Contact surface mm x mm	Order no.	List price EUR
80 x 15	0716 192	59.00
100 x 15	0716 194	73.00
150 x 15	0716 196	94.00
Prismatic bridge		
for dia. 10 - 100	0716 198	125.00

0720 Foil thickness gauges



Model

- With a lifting device
- Factory standard
- Frame is made of alluminium alloy
- Revolution counter
- measuring insert dia. 6.35 mm, flat, thermally insulated

Delivery

- Cardboard box

⋈		Measuring range mm	Reading mm	Range per rev. mm	Throat depth mm	Order no.	List price EUR
		0 - 1	0.001	0.2	30	0720 103	243.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0728 Internal precison bore gauges for large and deep bores

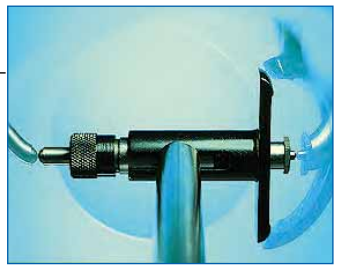


Model

- 2 point comparator measuring instrument with split probe + measuring pin
- Centering plate
- Mounting hole Ø 8 mm
- Ideal in conjunction with dial gauges or dial comparator gauges

Delivery

- Wooden case
- Without dial gauge



Measuring range mm	Repeatability µm	Measuring depth mm	Measuring pins pcs	Measuring discs pcs	Order no.	List price EUR
Fixed measuring pins, hardened special steel, interchangeable contact pins are carbide tipped						
18 - 35	0.5	110	9	2	0728 105	415.00
35 - 60	0.5	138	7	2	0728 106	403.00
50 - 100	0.5	177	11	3	0728 107	461.00
100 - 160	0.5	234	7	4	0728 108	643.00
160 - 290	0.5	234	7	4	0728 109	927.00
280 - 510	1.5	400	7	4	0728 110	2188.00
Fixed measuring pins and interchangeable contact pins, both pins are carbide tipped						
4.5 - 6	0.5	80	9		0728 201	1057.00
6 - 8	0.5	100	7		0728 202	756.00
8 - 12	0.5	100	9		0728 203	705.00
12 - 20	0.5	110	9	1	0728 204	489.00
18 - 35	0.5	110	9	2	0728 205	495.00
35 - 60	0.5	138	7	2	0728 206	471.00
50 - 100	0.5	177	11	3	0728 207	551.00
100 - 160	0.5	234	7	4	0728 208	717.00
160 - 290	0.5	234	7	4	0728 209	949.00
280 - 510	1.5	400	7	4	0728 210	2240.00

0728 Setting device for internal precison bore gauges



Model

- Setting device for accurate adjustment of internal precision bore gauges to the required nominal dimension, with gauge blocks
- The setting jaws are made of carbide and are lapped to gauge block quality
- Setting device can be used in both, the vertical and horizontal measuring axis

Delivery

- Wooden case
- Incl. stand (excludes gauge blocks)

For measuring range mm	Error limit µm	Order no.	List price EUR
4.5 - 160	2	0728 910	1307.00
18 - 290	2	0728 915	1296.00
160 - 510	2	0728 920	1875.00

0735 Crankshaft gauges





Model

- With dial gauge
- To be positioned between 2 crank arms
- Centre punch is not required
- Horizontal position of the dial gauge is assured with a plumb bob

Delivery

- Wooden case

⋈		Measuring range mm	Reading mm	Order no.	List price EUR
		45 - 150	0.01	0735 101	408.00
		60 - 300	0.01	0735 102	368.00
		60 - 500	0.01	0735 103	427.00

0735 Replacement gauge for 0735

Model

- Without backplate

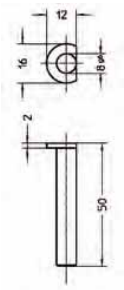
⋈		Order no.	List price EUR
For measuring range 45 - 150 mm			
		0735 901	225.00
For measuring range 60 - 300 / 60 - 500 mm			
		0735 902	187.00

Marked ▪ = excess length/excess weight

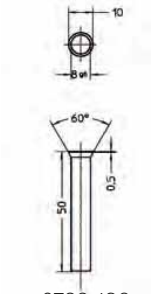
Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0739 Universal comparator gauge

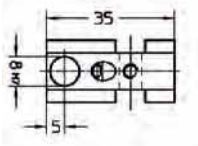




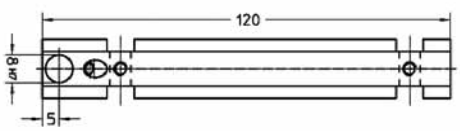
0739 124



0739 126



0739 164



0739 165

Model

- To determine internal and external diameters of recesses, grooves and undercuts in comparision measurement
- Measurement procedure: The part to be measured is determined at the point of reversal between a fixed and moveable measuring insert
- Select either an analogue or digital indicator to show your measuring results
- Sturdy construction
- Simple to set up and easy to operate
- Large range of application
- Ideal for serial measurements
- Optional: Special supporting table is interchangeable
- Repeatability: 2 µm
- Mounting hole for a dial gauge: Ø 8 mm

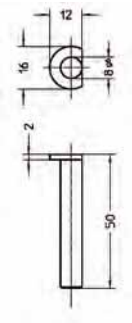
Delivery

- Without digital indicator (optional)
- Incl. pair of measuring inserts 0739 126 and 0739 124
- Incl. holder for measuring inserts 0739 164 and 0739 165
- In a practical aluminium case

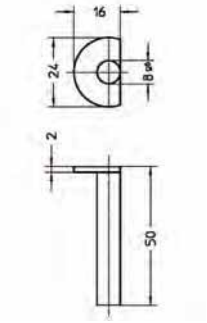
		Measuring range		Base dimensions	Order no.	List price
		external mm	internal mm	mm		EUR
		0 - 180	21 - 200	150 x 150 x 68	0739 102	1780.00

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

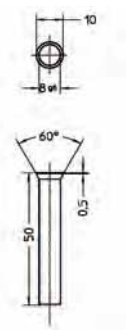
0739 Measuring probes



0739 124



0739 125

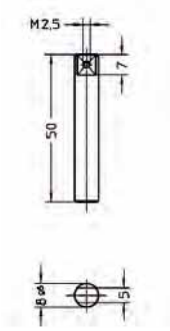


0739 126

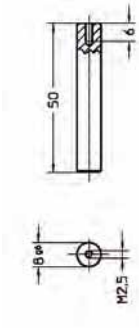
		Description	Order no.	List price EUR
		Probe pair	0739 124	107.00
		Probe pair	0739 125	111.00
		Probe pair	0739 126	64.00
		Pair of probe holder	0739 127*	102.00
		Pair of probe holder	0739 128*	64.00
		Pair of probe holder	0739 129*	123.00
		Probe pair	0739 130	103.00
		Small probe pair	0739 131**	111.00
		Holder pair for 0739131	0739 132	148.00

* For further information regarding probes order no. 0739 127 to 0739 129 see order no. 0710 starting on page 137

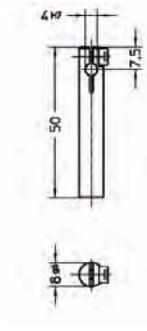
** Required holder order no. 0739 132



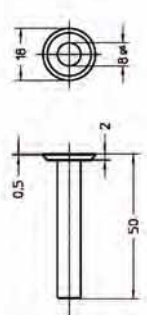
0739 127



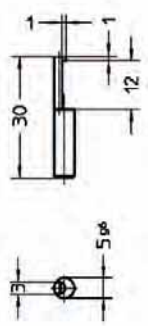
0739 128



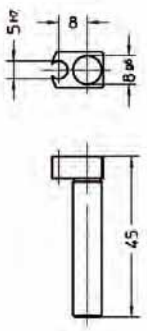
0739 129



0739 130

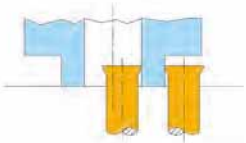


0739 131

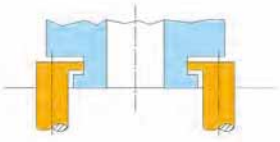


0739 132

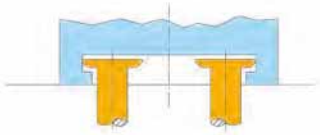
Application examples:



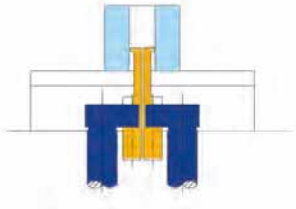
0739 126



0739 124

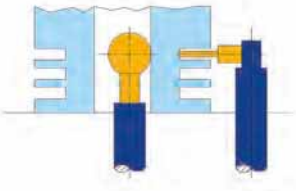


0739 130



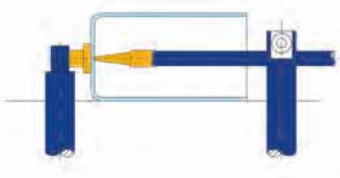
0739 131

0739 132



0739 127*

0739 128*



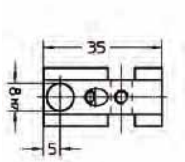
0739 127*

0739 129*

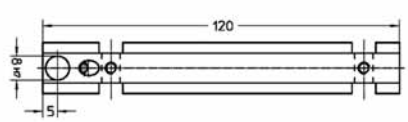
Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0739 Holder for measuring inserts short / long



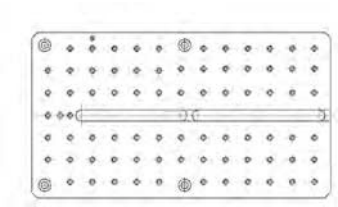
0739 164



0739 165

Description	Length mm	Order no.	List price EUR
Holder, short	35	0739 164	38.60
Holder, long	120	0739 165	47.60

0739 Large supporting table



Model

- Made of special steel with wear resistant surface coating
- Equipped with thread bore M5 in grid to attach stop elements
- Internal measurement: 21 - 220 mm
- External measurement: 0 - 300 mm

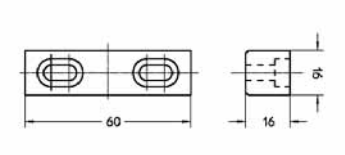
Delivery

- With leg support to screw

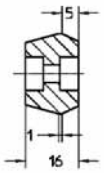
Size of table mm	Order no.	List price EUR
269 x 149	0739 170	279.00

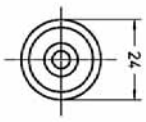
0739 Stop pieces in pairs

Description	Length mm	Width mm	Diameter mm	Dimensions h mm	Order no.	List price EUR
Stop cuboid	60	16		16	0739 121	91.00
Stop disc			24	16	0739 122	103.00
Stop stepped cuboid	60	25		16	0739 123	94.00

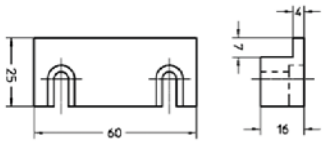


0739 121



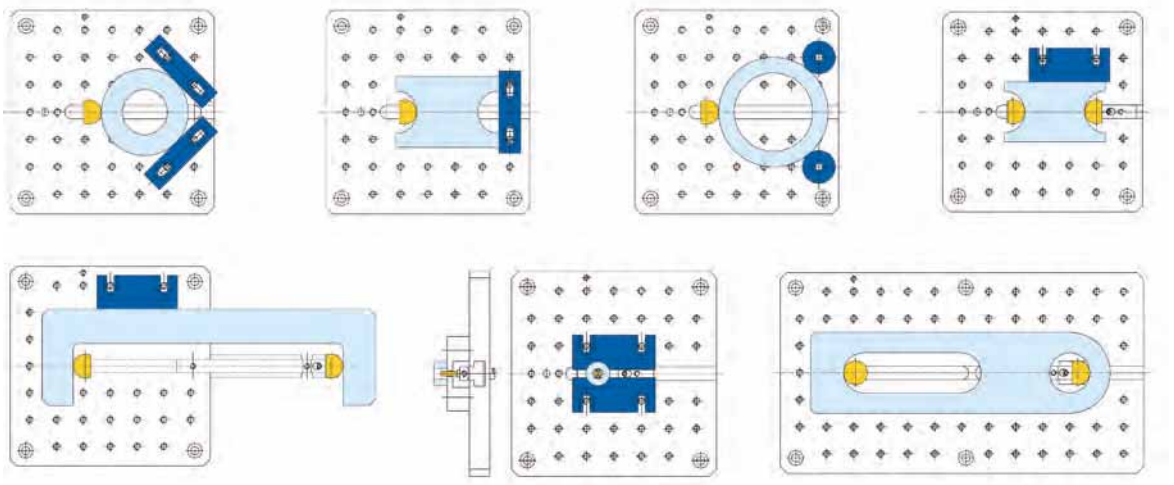


0739 122



0739 123

Application examples:



= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

0741 Universal comparator gauge UHRTAST











Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0741 Comparator gauge UHRTAST



Model

- Comparator gauge for **external and internal measurements** for checking workpieces and setting of machines
- Versatile in use due to wide range of probes and inserts
- Measuring range up to 2000 mm by using optional extensions
- Without indicator
- The direction of the measuring force can be switched, the gauge can be used for external and internal measurements
- The adjustment can be conducted with a setting gauge, a combination of gauge blocks, setting ring or a micrometer
- The measuring range of the moveable measuring arm is 18 mm

Delivery

- Wooden case
- Basic instrument without digital indicator, measuring arms and measuring probes (optional)

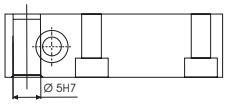
Product video

Measuring range		Measuring forces	Order no.	List price
external mm	internal mm	N		EUR
5 - 220	15 - 230	external: ~6 N internal: ~4 N	0741 101	1862.00

0741 Pair of probe mounting block







Order no.	List price
	EUR
0741 170	171.00

0741 Extensions



0741 112



0741 114

Model

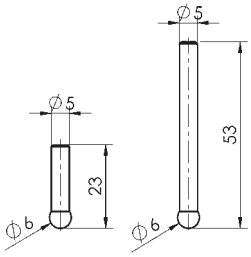
- Combinable with the basic instrument and further extensions by sticking together the pipe construcion

Length	Order no.	List price
mm		EUR
100	0741 112	259.00
200	0741 114	275.00
500	0741 116	420.00

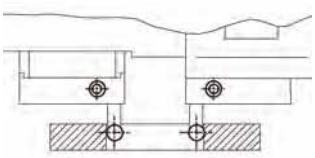
0741 Measuring inserts



0741 178

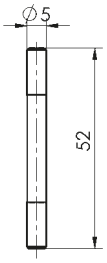


		Length	Diameter	Order no.	List price
		mm	mm		EUR
		23	6	0741 178	115.00
		53	6	0741 179	115.00

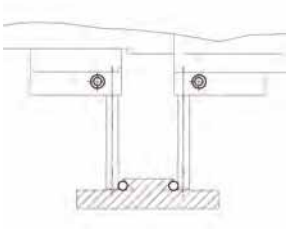


0741 Measuring inserts



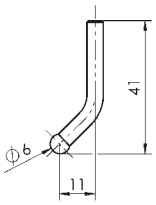


		Length	Diameter	Order no.	List price
		mm	mm		EUR
		52	5	0741 180	115.00

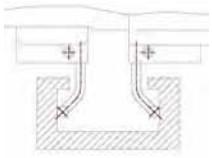


0741 Pair of offset measuring inserts





		Length	Diameter	Order no.	List price
		mm	mm		EUR
		41	6	0741 182	191.00

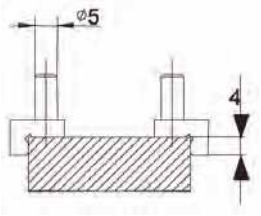


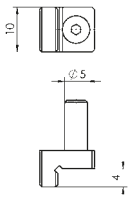
Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0741 Measuring inserts







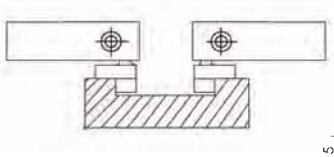
Model

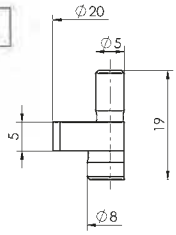
- For measuring external central points

Order no.	List price EUR
0741 172	204.00

0741 Pair of shoulder measuring inserts







Model

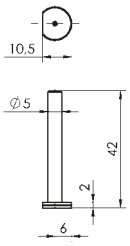
- For measuring internal central points

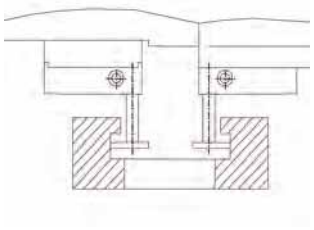
Order no.	List price EUR
0741 174	167.00

0741 Pair of measuring inserts with discs



Length mm	Width mm	Diameter mm	Dimensions h mm	Order no.	List price EUR
42	10.5	12	2	0741 176	115.00





0741 Pairs of measuring arms





Model

- For mounting of adapter pieces and inserts with shaft-Ø 3.5 mm and Ø 5 mm
- With lasered help rule (mm-divide) as position help for the depth stop pieces

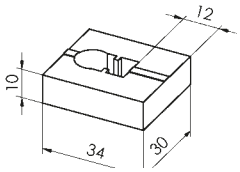
Length mm	Order no.	List price EUR
40	0741 122	270.00
80	0741 124	324.00

0741 Pair of depth stop attachment for measuring arms



Model

- To slide on measuring arms
- Can be clamped with grub screw



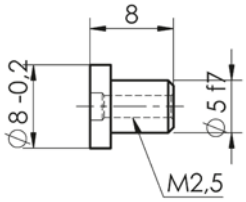
Length mm	Width mm	Height mm	Order no.	List price EUR
34	30	10	0741 136	251.00

0741 Pair of adapters 5 mm for measuring inserts M2.5



Model

- All measuring inserts for dial gauges with M2.5 can be used (measuring inserts please refer to pages 137-140)



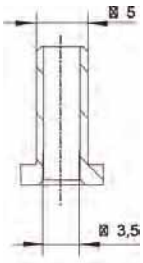
Order no.	List price EUR
0741 132	88.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0741 Pair of adapters for thread measuring inserts (pair)





Model

- Pair of adapters for thread measuring inserts with long shanks (length 13.5 mm)
  Adapters are not required for measuring inserts with short shanks

Order no.	List price EUR
0741 134	152.00

0741 Measuring table



Model

- Consisting of:
  Supporting table ø 180 mm
  Measuring probe
  Mounting stands

Delivery

- Cardboard box

Size of table mm	Order no.	List price EUR
Ø 180	0741 184	649.00

3

0753 Universal indicator stands with magnetic base



0753 110



0753 120

Model

- Chrome finished columns
- Base with V-groove
- Magnet with ON/OFF switch
- Mounting clamp: Ø 8 mm for indicators
- Integrated fine adjustment

Delivery

- Cardboard box

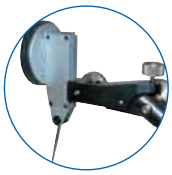
⋈		Projection	Column height	Column dia.	Arm dia.	Base dimensions	Magnetic force	Order no.	List price
		mm	mm	mm	mm	mm	N		EUR
		140	230	16	12	60 x 50 x 55	500	0753 110	24.90
		180	285	16	16	70 x 46 x 65	600	0753 120	61.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0750 Universal indicator stands with magnetic base and combi clamp







0750 101

Model

- Chrome plated columns
- Base with V-groove
- Magnet with ON/OFF switch
- **Combi clamp**: Ø 8 mm for dial gauges, swallow tail clamp for dial test indicators
- Intergrated fine adjustment

Delivery

- Cardboard box

Accessories	Order no.	List price EUR
Replacement crosshead complete	0750 113	42.00
Wooden case for magnet - measuring support	0750 601	25.10

		Projection mm	Column height mm	Column dia. mm	Arm dia. mm	Base dimensions mm	Magnetic force N	Order no.	List price EUR
Crosshead clamp									
		180	500	20	16	75 x 60 x 102	800	0750 102	187.00

3

0750 Pillar with transverse arm and fine adjustment



Model

- Chrome plated column and transverse arm
- Mounting for indicator:
  - shank mounting Ø 8 mm for dial gauges
  - swallow tail clamp for dial test indicators
- Integrated fine adjustment

		Thread	Projection mm	Column height mm	Column dia. mm	Arm dia. mm	Description	Order no.	List price EUR
		M12	180	500	20	16	for 0750 102	0750 122	96.00

0750 Magnetic base



0750 111

Model

- Magnetic base with V-groove
- Cling to flat and cylindric parts
- Magnetic force can be switched On / Off by rotary switch

		Thread	Base dimensions mm	Magnetic force N	Order no.	List price EUR
		M12	75 x 60 x 80	800	0750 112	109.00

0752 Magnetic indicator stands with central lock



0752 101



0752 103

Model

- Column / Arm:
  - 0752 101 steel, chrome finished
  - 0752 103 aluminium, anodized
- Switch magnetic base with V-groove
- Central magnetic clamping system
- **Combi clamp:** Ø 8 mm for dial gauges, swallow tail clamp for dial test indicators
- Intergrated fine adjustment

Delivery

- Cardboard box

⋈		Projection mm	Column height mm	Column dia. mm	Base dimensions mm	Magnetic force N	Order no.	List price EUR
		260	310	10	70 x 46 x 65	600	0752 101	144.00
		320	370	18	70 x 46 x 65	600	0752 103	184.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0754 Universal magnetic holder



Model

- Magnetic base with V-groove
- With mounting hole Ø 8 mm
- Three-sided magnet

Delivery

- Cardboard box

Max. height mm	Base dimensions mm	Magnetic force N	Order no.	List price EUR
57	70 x 35	260	0754 101	99.00

0756 Universal magnetic holder



Model

- Cast iron base with two magnets on the bottom of the holder
- With mounting hole Ø 8 mm

Delivery

- Cardboard box

Max. height mm	Base dimensions mm	Magnetic force N	Order no.	List price EUR
45	72 x 37	180	0756 101	59.00

0770 Compact measuring stands



0770 102



0770 103



0770 201

Model

- Cast base
- Chrome finished columns
- Hardened steel table
- With dust grooves (Order No. 0770 102 non-stop plane)
- With mounting hole for dial gauges Ø 8 mm

Delivery

- Cardboard box

⋈		Measuring height mm	Projection mm	Size of table mm	Column dia. mm	Arm dia. mm	Order no.	List price EUR
With fixed arm								
		100	49	Ø 50	22	-	0770 102	208.00
		100	49	60 x 68	22	-	0770 103	241.00
With adjustable transverse arm								
		100	100	60 x 68	22	18	0770 201	266.00
		150	135	98 x 115	28	20	0770 205	377.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0772 Measuring stand



Model

- Cast base
- Hardened steel table
- With dust grooves
- With a threaded column and an adjustable transverse arm
- With mounting hole for dial gauges Ø 8 mm

Delivery

- Cardboard box

		Measuring height mm	Projection mm	Size of table mm	Column dia. mm	Arm dia. mm	Order no.	List price EUR
		160	200	170 x 215	35	22	0772 024	759.00

0785 Precision measuring stands



Model

- Base made of hard stone
- Base plate accuracy according to DIN 876-00
- With a threaded column
- With adjustable transverse arm
- With mounting hole for dial gauges Ø 8 mm
- Vertical adjustment by threaded spindle with setting ring

Delivery

- Cardboard box

		Measuring height mm	Projection mm	Size of table mm	Column dia. mm	Arm dia. mm	Order no.	List price EUR
		200	200	150 x 260	35	22	0785 108	639.00
	▪	220	220	300 x 350	35	22	0785 109	1565.00
Anti-twist (secured against rotation) transverse arm								
	▪	220	220	300 x 350	35	22	0785 110	1800.00

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

0763 Universal measuring support



Model

- Column and transverse arm chrome plated
- Column is moving and can be clamped in the T-groove
- Heavy base plate with prismatic base and T-groove
- Mounting for display devices:
  - support for indicators with shaft Ø 8 mm, swallow tail clamp for dial test indicators
- Integrated fine adjustment

Delivery

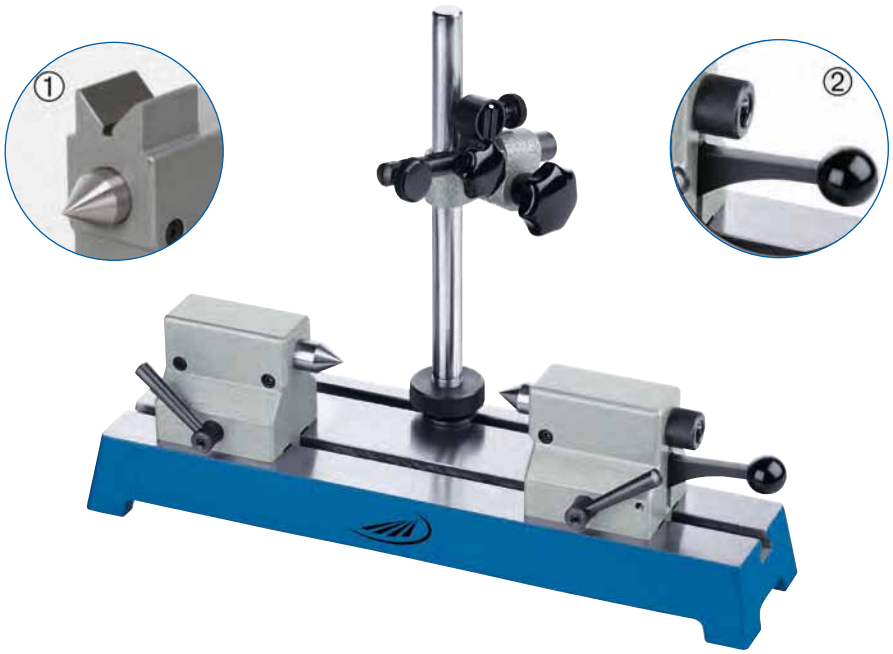
- Cardboard box

⋈		Projection mm	Column height mm	Column dia. mm	Arm dia. mm	Base dimensions mm	Order no.	List price EUR
		180	300	16	16	250 x 60 x 35	0763 100	279.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0780 Bench centres



Model

- Finely ground surface, flatness tolerance according to DIN 876-2
- With two adjustable tailstocks
- Left tailstock with fixed centre
- Right tailstock with retractable spring mounted centre, free lift appr. 10 mm
- Tailstocks can be clamped via an eccentric clamp
- Tailstock height 75 mm with integrated V-groove support
- Quick-clamping device by clamping lever
- With T-groove and support column
- With mounting hole for dial gauges Ø 8 mm

Delivery

- Cardboard box

⋈		Height of centers	Workpiece load	Distance between centres	Center dia.	T-groove width	Base	Order no.	List price
		mm	p. tailstock max. kg	mm	mm	mm	mm		EUR
		50	5	200	16	10H7	350 x 110	0780 101	605.00
		50	5	350	16	10H7	500 x 110	0780 102	768.00
		75	5	200	16	10H7	350 x 110	0780 104*	692.00
		75	5	350	16	10H7	500 x 110	0780 105*	788.00
	▪	100	20	450	22	12H7	700 x 180	0780 107	1984.00
	▪	150	20	450	22	12H7	700 x 180	0780 108	2212.00

*** With integrated V-groove support on the tailstocks for ø 6 - 24 mm**

Accessories	Order no.	List price EUR
Replacement centre, retractable, ø 16 mm (50 - 75 mm)	0780 174	49.00
Replacement centre, fixed, ø 16 mm (50 - 75 mm)	0780 175	39.00
Replacement centre, retractable, ø 22 mm (100 - 150 mm)	0780 177	125.00
Replacement centre, fixed, ø 22 mm (100 - 150 mm)	0780 178	115.00

0780 Bench centres with roller supports





Specification

- Finely ground surface, flatness tolerance according to DIN 876-2
- With two roller supports
- Concentricity tolerance of the rolls 0.005 mm
- Quick-clamping device by clamping lever
- With T-groove and support column
- With mounting hole for dial gauges Ø 8 mm
- Fine adjustment

Delivery

- Cardboard box

⋈		Height of roller supports mm	T-groove width mm	Base mm	Contact surface mm	Order no.	List price EUR
		65	10H7	350 x 110	3 - 30	0780 201	559.00
		65	10H7	500 x 110	3 - 30	0780 202	699.00
		100	12H7	700 x 180	4 - 60	0780 206	1400.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0780 Bench centres with V-groove supports



Specification

- Finely ground surface, flatness tolerance according to DIN 876-2
- With two V-supports
- Quick-clamping device by clamping lever
- Prismatic contact surface 90°
- V-groove surfaces made of hardened steel (replaceable)
- With T-groove and support column
- With mounting hole for dial gauges Ø 8 mm
- Fine adjustment

Delivery

- Cardboard box

		Height of V-supports	T-groove width	Base	Contact surface	Order no.	List price
		mm	mm	mm	mm		EUR
		65	10H7	350 x 110	5 - 25	0780 301	529.00
		65	10H7	500 x 110	5 - 25	0780 302	669.00
		100	10H7	700 x 180	5 - 50	0780 306	1340.00

0780 Bench centres for heavy workpieces



Model

- Finely ground surface, flatness tolerance according to DIN 876-2
- With two adjustable tailstocks
- Left tailstock with fixed centre
- Right heavy tailstock with moveable, spring mounted centre, free lift appr. 10 mm
- Tighten by hand crank
- Tailstock can be clamped via an eccentric clamp
- Base made of cast iron with T-groove
- Measuring stand with mounting hole for dial gauges Ø 8 mm

Delivery

- Cardboard box

⋈		Height of centers	Workpiece load p. tailstock max.	Distance between centres	Centering tip dia.	T-groove width	Base	Order no.	List price
		mm	kg	mm	mm	mm	mm		EUR
	▪	100	40	450	22	12	700 x 180	0780 141	2116.00
	▪	150	40	450	22	12	700 x 180	0780 142	2395.00

0780 Pair of v-support inserts



Model

- V-support inserts to place in and for testing of shafts without centrebores
- V-support inserts are exchanged for the pointed alignment centre of the tailstocks

⋈		For height of centers	Max. workpiece dia.	Contact surface	Order no.	List price
		mm	mm	mm		EUR
		50/75	15	3 - 15	0780 021	109.00
		100	45	8 - 45	0780 023	139.00

0780 Replacement support column



Model

- Column is moving and can be clamped in the T-groove
- Mounting for indicator:
  - shaft mounting Ø 8 mm for dial test indicators
- Integrated fine adjustment

⋈		For height of centers	Projection	T-groove width	Column height	Column dia.	Arm dia.	Order no.	List price
		mm	mm	mm	mm	mm	mm		EUR
		50/75	105	10	200	18	14	0780 072	129.00
		100	105	12	240	18	14	0780 073	235.00
		150	105	12	440	18	14	0780 074	259.00

Marked ▪ = excess length/excess weight

⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0780 Left tailstocks with a rotating collet chuck



Model

- The left tailstock can be changed because of this specification with a collet chuck
- The collet chuck is rotatable for runout testing
- T-grooves bearing
- Eccentric clamp

Height of centers mm	T-groove width mm	Order no.	List price EUR
For collet chucks type F10 (Ø 1 - 7 mm)			
50	10	0780 001	376.00
75	10	0780 002	417.00
For collet chucks type F14 (Ø 1 - 10 mm)			
100	12	0780 003	649.00

- Collet chucks F10 from 1-7 mm are available upon request
- Collet chucks F14 from 1-10 mm are available upon request

Pair of replacement tailstocks for 0780

Model

- Included in base model 0780
- 75 mm with intergrated V-groove support
- For heavy workpieces with load up to 40 kg on request

Height of centers mm	Workpiece load p. tailstock max. kg	T-groove width mm	Order no.	List price EUR
50	5	10	0780 091	380.00
75	5	10	0780 092	427.00
100	20	12	0780 093	879.00
150	20	12	0780 094	909.00

Pair of V-groove supports for 0780



Model

- For workpieces without centering
- Functional test through applying on e.g. plain lateral surface
- Recognition of form errors
- For exchange of centre supports
- Prismatic contact surface 90°
- V-groove surfaces made of hardened steel (replaceable)
- T-grooves bearing
- Eccentric clamp

Height of centres* mm	Height of V-supports mm	T-groove width	Contact surface mm	Order no.	List price EUR
65	65	10	5 - 25	0780 032	199.00
100	100	12	5 - 50	0780 033	275.00

* based on the center of an axis of a shaft Ø 10 mm

Pair of roller supports for 0780



Model

- For exchange of centre supports
- Ball bearing rollers for easy turning of the workpieces
- Concentricity tolerance 0.005 mm

Height of roller supports* mm	T-groove width mm	Contact surface mm	Order no.	List price EUR
65	10	3 - 30	0780 042	193.00
100	12	4 - 60	0780 043	261.00

* based on the center of an axis of a shaft Ø 10 mm

0783 Bench centre

DIN 876-1



Model

- Dark granite work bench
- Flatness tolerance in accordance to DIN 876-1
- Right tailstock with retractable spring mounted centre (quick adjustment lever)
- Left tailstock with fixed centre
- Tailstocks can be adjusted via an eccentric clamp

Delivery

- Wooden handling case
- Included:
  - Work bench
  - Support post
  - 1 pair of tailstocks with pointed alignment centre 60° MK 2

⋈		Height of centers mm	Workpiece load p. tailstock max. kg	Distance between centres mm	T-groove width mm	Base mm	Order no.	List price EUR
	▪	200	24	650	14	1100 x 180	0783 012	3545.00

Accessories	Order no.	List price EUR
Pair of pointed alignment centres	0782 181	225.00
Tailstock	0782 191	1172.00
Measuring support	0783 070	296.00

0782 Pair of roller supports



Model

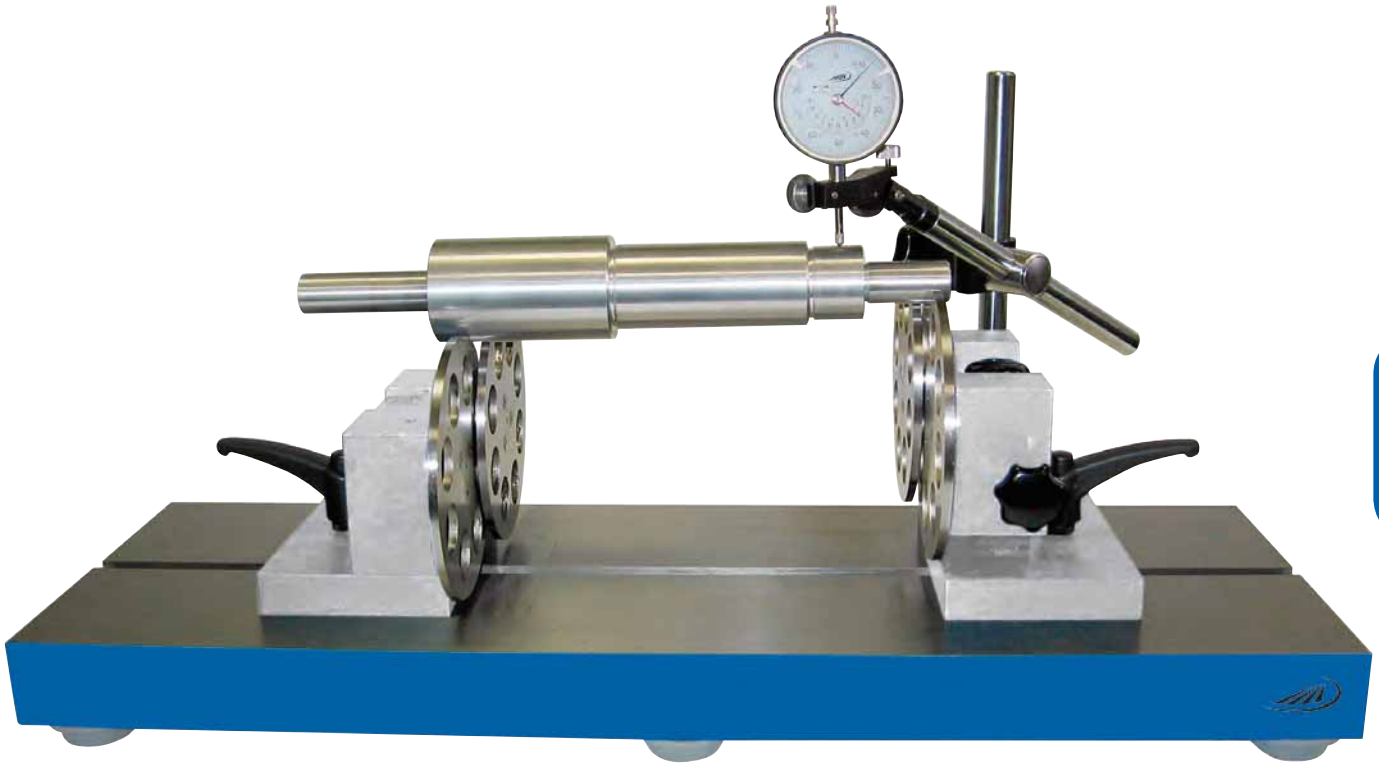
- For exchange of centre supports
- Ball bearing rollers for easy turning of the workpieces
- T-grooves bearing
- Eccentric clamp

⋈		Height of roller supports mm	T-groove width mm	Contact surface mm	Order no.	List price EUR
		200	14	25 - 100	0782 160	706.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0784 Concentricity measuring gauge with disc supports



Model

- Centerless concentricity measuring instrument
- High accuracy discs are being mounted on bearings; free of play
- Discs can be slid to either side on the base
- One sliding disc can be adjusted up to 30 mm for diametral compensation
- Concentricity accuracy <5 µm

Delivery

- Wooden case
- Includes the support stand, excludes a dial gauge

		Workpiece load p. tailstock max. kg	Distance between the end mm	Disc diameter mm	Max. workpiece dia. mm	Order no.	List price EUR
	▪	25	400	120	250	0784 108	3101.00

Accessories	Order no.	List price EUR
Replacement discs, pair, Ø 120 mm	0784 181	625.00
Complete support stand for order no. 0784 108	0784 190	175.00

0788 Shaft measuring instrument



Model

- For rapid measurement of diameters, distances, shoulders, taper, roundness, etc.
- For vertical and horizontal alignment
- Vertical base with 3 hardened adjustment support surfaces
- Measuring beam is made of stainless steel
- Load capacity horizontal max. 20 kg

Delivery

- Cardboard box
- Without measuring support, guideway, dial gauge (optional accessories)



application as a bench centre

⋈		Height of centers	Distance between centres	T-groove width	Base	Order no.	List price
		mm	mm	mm	mm		EUR
	▪	75	550	10 H7	200 x 120	0788 104	1131.00

Accessories	Order no.	List price EUR
Support arm with guideways	0788 180	229.00



0788 180

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0788 Shaft measuring instrument lightweight



Model

- For rapid measurement of distances, shoulders, taper, roundness, etc.
- Vertical and horizontal alignment
- Vertical base with 3 hardened adjustment support surfaces
- Measuring beam is made of hard anodized aluminium profile
- Aluminium tailstocks
- Load capacity horizontal max. 15 kg

Delivery

- Cardboard box
- Without measuring support, guideway, dial gauge (optional accessories)



application as a bench centre

		Height of centers mm	Distance between the end mm	T-groove width mm	Base mm	Order no.	List price EUR
		75	550	10 H7	200 x 150	0788 904	900.00

Accessories	Order no.	List price EUR
Support arm with holder	0788 980	73.00
Support arm with guideways	0788 990	326.00



0788 980

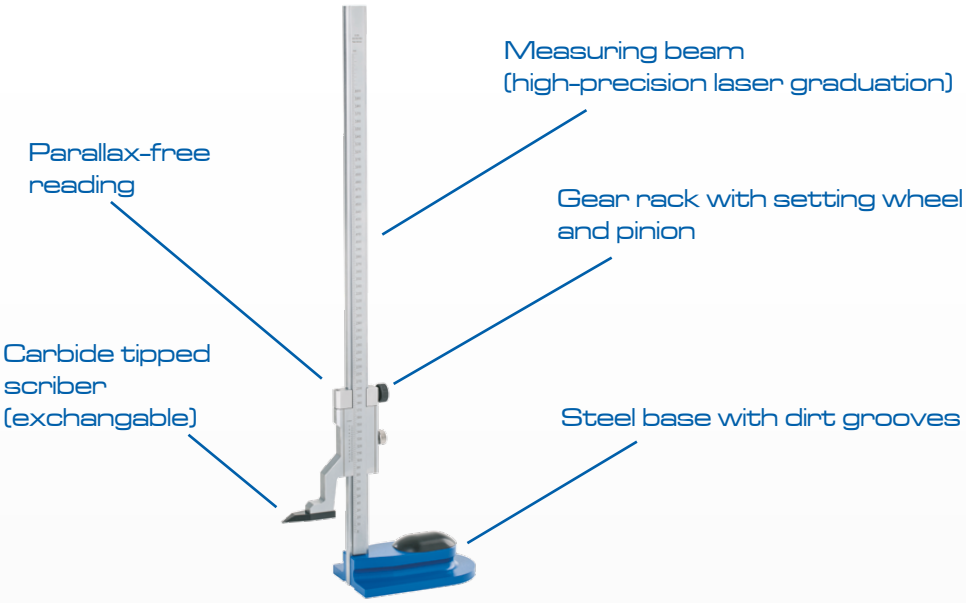


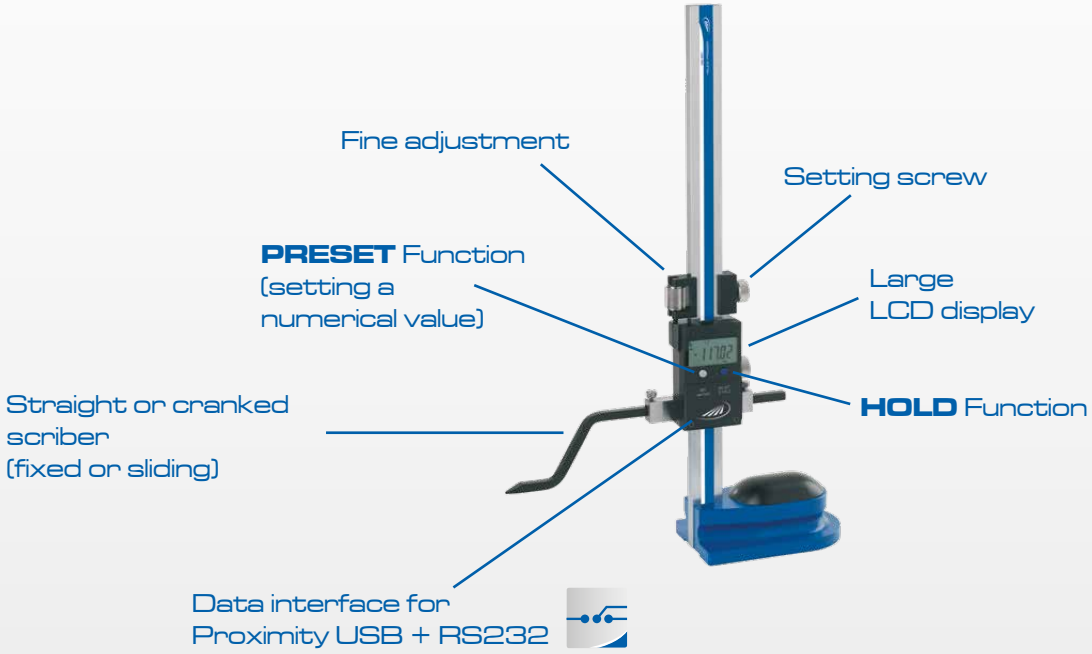
0788 990

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

HELIOS · PREISSER

SAMPLES **MARKING GAUGES**





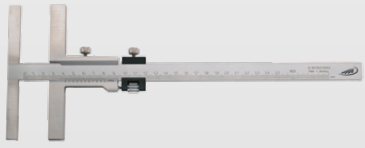
More products from our range of **Marking gauges**



MARKING **GAUGES**



DIVIDERS



MARKING **CALIPERS**

4. CHAPTER MARKING GAUGES

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170	Height and scribing gauges



0300 Scribers



⋈		Length mm	Material	Order no.	List price EUR
With straight screw-in scriber					
		175	Chromium-vanadium steel, hardened	0300 007	2.10
With one straight and one L-shaped screw-in scriber					
		250	Chromium-vanadium steel, hardened	0300 008	2.30
With one straight and one angled screw-in and burnished scriber					
		200	Chromium-vanadium steel, hardened	0300 011	2.10
		250	Carbide-tipped	0300 114	8.80
With a mechanic and pocket clip					
		150	Carbide-tipped	0300 120	12.80
One piece hexagonal body with a pocket clip					
		180	Carbide-tipped	0300 102	5.60
For scriber 0300 008, with straight scriber, plastic handle					
		110	Carbide-tipped	0300 112	4.70

0300 Replacement scribers

⋈		Length mm	Material	Order no.	List price EUR
For scribers 0300 007, 0300 008, straight					
		86	Chromium-vanadium steel, hardened	0300 009	1.10
For scriber 0300 008, L-shaped					
		80	Chromium-vanadium steel, hardened	0300 010	1.10
For scriber 0300 120					
		33	Carbide-tipped	0300 130	3.40

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0301 Precision dividers



Model

- With a rivetted hinge
- Hardened needle, shaped ground points
- Special steel

Delivery

- Cardboard box

Length mm	Order no.	List price EUR
150	0301 001	7.30
175	0301 002	8.30
200	0301 003	9.20
250	0301 004	12.80
300	0301 005	15.50
400	0301 006	41.90
500	0301 007	59.00
600	0301 008	78.00
800	0301 009	109.00
1000	0301 010	160.00

0302 / 0306 Dividers with quadrant



Model

- With a rivetted hinge
- Special steel
- Quadrant with robust, milled locking screw
- Hardened points

Delivery

- Cardboard box

Length mm	Order no.	List price EUR
150	0302 001	10.70
175	0302 002	11.80
200	0302 003	12.60
250	0302 004	16.50
300	0302 005	21.60
400	0302 006	60.00
500	0302 007	74.00
600	0302 008	95.00
800	0302 009	132.00
1000	0302 010	183.00
With pencil holder		
150	0306 001	13.70
200	0306 003	15.50
300	0306 005	24.20

0303 Precision internal calipers



Model

- With a rivetted hinge
- Special steel
- Hardened measuring points

Delivery

- Cardboard box

		Length mm	Order no.	List price EUR
		150	0303 001	7.10
		175	0303 002	7.70
		200	0303 003	8.80
		250	0303 004	9.40
		300	0303 005	10.70
		400	0303 006	13.10
		500	0303 007	16.30
		600	0303 008	24.60
		800	0303 009	35.40
		1000	0303 010	65.00

0304 Precision external calipers



Model

- With a rivetted hinge
- Special steel
- Hardened measuring points

Delivery

- Cardboard box

		Length mm	Order no.	List price EUR
		150	0304 001	7.10
		175	0304 002	7.70
		200	0304 003	8.80
		250	0304 004	9.40
		300	0304 005	10.70
		400	0304 006	13.10
		500	0304 007	16.30
		600	0304 008	24.60
		800	0304 009	35.40
		1000	0304 010	65.00

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0310 Spring dividers



Model

- Quick release set screw
- Special steel
- Fixed points
- Hardened points
- Quick release set screw and spring are burnished

Delivery

- Cardboard box

Radius mm	Order no.	List price EUR
115	0310 102	4.00
140	0310 103	4.40
190	0310 105	4.90
240	0310 107	6.30
290	0310 108	7.40

0311 Spring dividers



Model

- Quick release set screw
- Special steel
- Interchangeable points
- Hardened points
- Quick release set screw and spring are burnished

Delivery

- Cardboard box

Radius mm	Order no.	List price EUR
90	0311 101	4.30
115	0311 102	5.00
140	0311 103	5.90
190	0311 105	7.00
240	0311 107	8.50
290	0311 108	9.10

0311 Pair of replacement points for spring dividers

Material	Order no.	List price EUR
Special steel, hardened	0311 120	2.30
Carbide-tipped	0311 121	19.10

0312 Spring internal calipers



Model

- Internal caliper with quick release set screw
- Special steel
- Quick release set screw and spring are burnished

Delivery

- Cardboard box

⋈		Length mm	Order no.	List price EUR
		100	0312 101	3.40
		150	0312 103	4.90
		200	0312 105	5.90
		250	0312 107	7.30
		300	0312 108	8.80

0313 Spring external calipers



Model

- External caliper with quick release set screw
- Special steel
- Quick release set screw and spring are burnished

Delivery

- Cardboard box

⋈		Length mm	Order no.	List price EUR
		100	0313 101	3.40
		150	0313 103	4.90
		200	0313 105	5.90
		250	0313 107	7.30
		300	0313 108	8.80

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0308 Combined internal / external calipers



Model

- Internal and external caliper
- Stainless steel
- Satin chrome finished scale
- With a rivetted hinge
- mm graduation for internal and external measurement

Delivery

- Cardboard box

Length	Measuring range	Order no.	List price
mm	mm		EUR
190	0 - 120	0308 201	94.00
250	0 - 160	0308 202	113.00
310	0 - 200	0308 303	138.00
460	0 - 300	0308 305	163.00

0322 Marking gauges with guide roll



Model

- Stainless steel, hardened
- Reading parts are satin chrome finished
- Guide roll
- Locking screw
- Interchangeable scriber made of hardened steel
- Factory standard

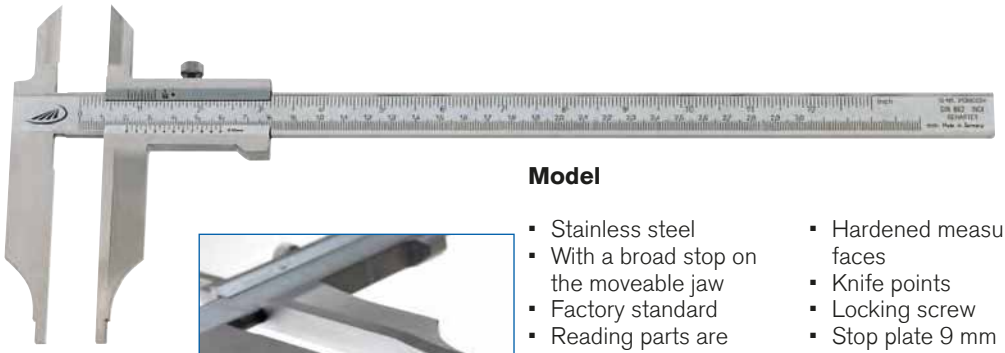
Delivery

- Cardboard box

Measuring range	Reading	Order no.	List price
mm	mm		EUR
0 - 200	0.1	0322 501	25.90
0 - 400	0.1	0322 503	40.60

Accessories	Order no.	List price
		EUR
Replacement scribers ø 2 mm	0322 510	4.60

0343 Marking calipers



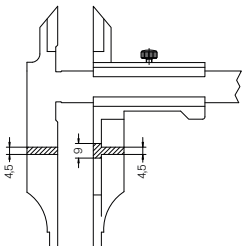


Model

- Stainless steel
- With a broad stop on the moveable jaw
- Factory standard
- Reading parts are satin chrome finished
- Hardened measuring faces
- Knife points
- Locking screw
- Stop plate 9 mm

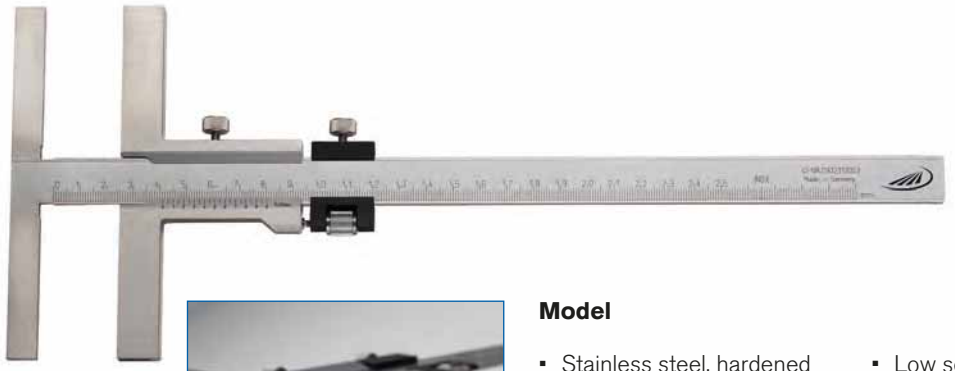
Delivery

- Cardboard box



⋈		Measuring range	Reading	Rail cross-section	Jaw length	Jaws for inside measurements	Order no.	List price
		mm	mm	mm	mm	mm		EUR
		0 - 250	0.05	20 x 5	90	10	0343 501	266.00
		0 - 300	0.05	20 x 5	90	10	0343 503	299.00

0344 Marking calipers





Model

- Stainless steel, hardened
- Long T-shaped marking edge
- Factory standard
- Reading parts are satin chrome finished
- Low set master scale
- Fine adjustment
- Locking screw

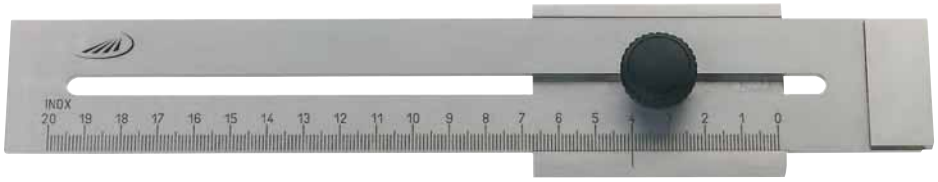
Delivery

- Cardboard box

⋈		Measuring range	Reading	Rail cross-section	Length of edge	Order no.	List price
		mm	mm	mm	mm		EUR
		0 - 160	0.05	18 x 4	135	0344 501	130.00
		0 - 250	0.05	18 x 4	135	0344 502	166.00
		0 - 300	0.05	18 x 4	160	0344 503	210.00
		0 - 500	0.05	18 x 4	160	0344 505	446.00

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0321 Marking gauges



Model

- Flat, stable construction
- Stainless steel, chrome finished
- Locking screw
- Hardened stop face
- mm graduated scale
- Factory standard

Delivery

- Cardboard box

Measuring range mm	Reading mm	Rail cross-section mm	Order no.	List price EUR
0 - 200	0.1	40	0321 301	22.70
0 - 250	0.1	40	0321 302	25.40
0 - 300	0.1	40	0321 303	25.90
0 - 500	0.1	40	0321 305	49.30

0323 Marking gauges



Model

- Stainless steel
- Locking screw
- For marking by scale as well as for marking of 45° - or 90° - mitres
- mm graduation
- Factory standard

Delivery

- Cardboard box

Measuring range mm	Reading mm	Rail cross-section mm	Order no.	List price EUR
100	1	40	0323 308	16.90
200	1	40	0323 318	21.60

0345 / 0347 Analogue height and scribing gauges



0345 530



0347 530

Model

- Measuring beam is made from stainless steel
- Vernier and scale are satin chrome finished
- Parallax-free reading
- Setting screw
- Fine adjustment
- Accurate fine adjustment on gear rack and setting wheel with pinion
- Steel base with dirt grooves
- Scribing possible from base plate level
- Factory standard

Delivery

- With exchangeable scriber, carbide tipped, 75 mm



② Fine adjustment on gear rack

⋈		Measuring range mm	Reading mm	Base dimensions mm	Rail cross-section mm	Order no.	List price EUR
With fine adjustment							
		0 - 300	0.02	145 x 90 x 44	30 x 12	0345 522	389.00
		0 - 600	0.02	189 x 118 x 44	30 x 12	0345 530	487.00
		0 - 1000	0.02	228 x 124 x 44	30 x 12	0345 534	670.00
With pinion							
		0 - 300	0.02	145 x 90 x 44	30 x 12	0347 522	497.00
		0 - 600	0.02	189 x 118 x 44	30 x 12	0347 530	627.00
		0 - 1000	0.02	228 x 124 x 44	30 x 12	0347 534	865.00

0345 Replacement scribers for 0345 / 0347

Model

- Carbide tipped
- Packing: individually packed

⋈		Length mm	Material	Order no.	List price EUR
		75	Carbide-tipped	0345 910	124.00
		150	Carbide-tipped	0345 912	138.00

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0345 / 0347 DIGI-MET® Height and scribing gauges



0345 722

0347 722

Model

- Measuring beam is made from stainless steel
- LCD-display 11 mm
- Setting screw
- Fine adjustment
- Accurate fine adjustment on gear rack and setting wheel with pinion
- Steel base with dirt grooves
- Scribing possible from base plate level
- Factory standard

Functions

Proxi

- ON / OFF
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Hold
- ABS (display can be set to zero without losing the Preset value)
- Reversal of counting direction
- Factor input
- Data output Proximity USB + RS232

Delivery

- With interchangeable scribing jaws, carbide tipped, 75 mm



② Fine adjustment on gear rack

Measuring range mm	Measuring range inch	Reading mm	Reading inch	Base dimensions mm	Rail cross-section mm	Order no.	List price EUR
With fine adjustment							
0 - 300	0 - 12	0.01	.0005	145 x 90 x 44	30 x 12	0345 722	562.00
0 - 600	0 - 24	0.01	.0005	189 x 118 x 44	30 x 12	0345 730	702.00
0 - 1000	0 - 39	0.01	.0005	228 x 124 x 44	30 x 12	0345 734	973.00
With pinion							
0 - 300	0 - 12	0.01	.0005	145 x 90 x 44	30 x 12	0347 722	692.00
0 - 600	0 - 24	0.01	.0005	189 x 118 x 44	30 x 12	0347 730	865.00
0 - 1000	0 - 39	0.01	.0005	228 x 124 x 44	30 x 12	0347 734	1190.00

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable Proximity to USB	1998 760	147.00

0345 Replacement scribers for 0345 / 0347

Model

- Carbide tipped
- Packing: individually packed

Length mm	Material	Order no.	List price EUR
75	Carbide-tipped	0345 910	124.00
150	Carbide-tipped	0345 912	138.00

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

0349 DIGI-MET® Height gauges with sliding scriber



0349 722*

Model

- Measuring beam is made from stainless steel
- LCD-display 11 mm
- Fine adjustment
- Setting screw
- Steel base with dirt grooves
- Scribing possible from base plate level

Functions

- ON / OFF
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Hold
- ABS (display can be set to zero without losing the Preset value)
- Reversal of counting direction
- Factor input
- Data output Proximity USB + RS232

Delivery

- With **straight** scriber

		Measuring range		Reading		Base dimensions	Beam	Order no.	List price
		mm	inch	mm	inch	mm	mm		EUR
		0 - 300	0 - 12	0.01	.0005	145 x 90 x 44	30 x 12	0349 722	594.00
		0 - 600	0 - 24	0.01	.0005	189 x 118 x 44	30 x 12	0349 730	756.00
		0 - 1000	0 - 39	0.01	.0005	228 x 124 x 44	30 x 12	0349 734	1027.00

Accessories	List price	EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
Data cable Proximity to USB	1998 760	147.00

*Figure does not show standard delivery content

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0349 Replacement scribers for 0349

		Length mm	Material	Order no.	List price EUR
Cranked scriber, for marking operations from base					
		270	Special steel, hardened	0349 912	133.00
		270	Carbide-tipped	0349 916	169.00
Straight scriber					
		270	Special steel, hardened	0349 910	114.00
		270	Carbide-tipped	0349 914	148.00

Limited measuring range while using a cranked scriber

0331 Replacement scriber for height gauges not any longer included in our catalogue

Order no. Height gauge / Order no. Scriber	0330...	0331...	0336...	0338...	0340...	0342...	Material	Length mm	Shaft mm	List price EUR
0334 101	•		•		•	•	straight, carbide tipped	65	8 x 8	75.00
0334 102	•		•		•	•	straight, carbide tipped	75	-	124.00

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SAMPLES **SQUARES**

SQUARE **WITH BASE**



SQUARE **WITHOUT BASE**



HIGH **QUALITY**

MADE IN **GERMANY**

Manufactured according to **DIN 875**

Highest precision:
Accuracy **grade 0**

Blade length up to **2 meters**
(Accuracy grade 2)

Made from **special** or **stainless** steel

More **highlights** from our range of **squares**



ACUTE ANGLE SQUARES



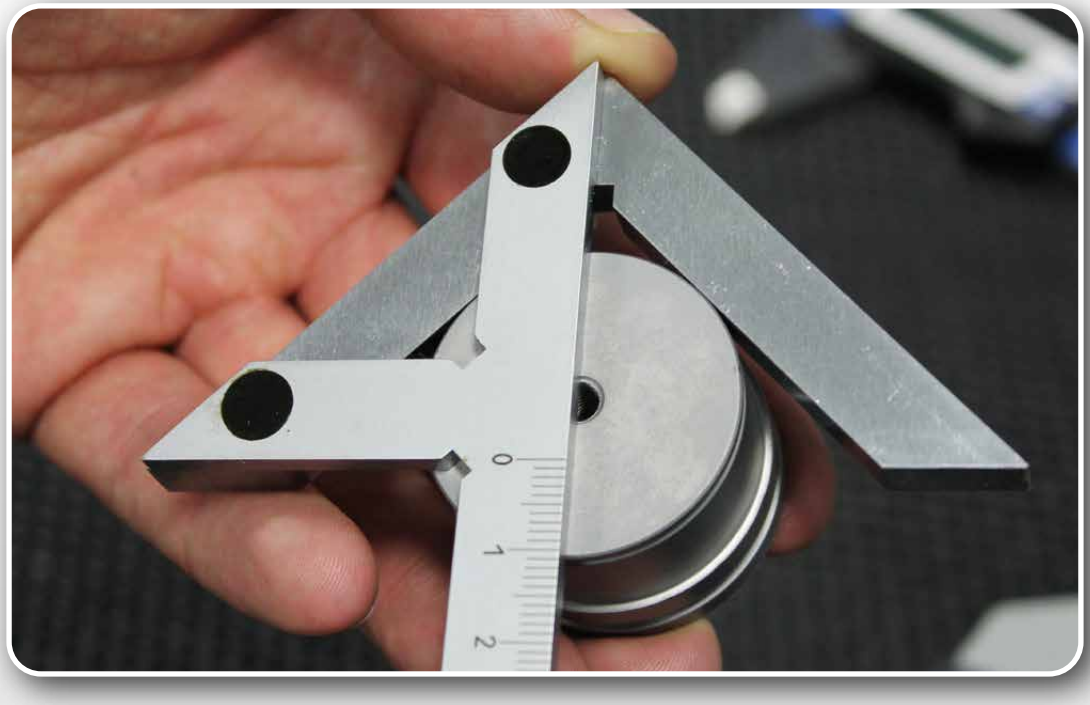
MITRE SQUARES



BEVEL PROTRACTORS

5. CHAPTER SQUARES, PROTRACTORS AND BEVEL PROTRACTORS

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0368 Squares with base accuracy grade 0



Model

- DIN 875
- Accuracy grade 0
- For exact angle testing (for example: tool making)

Delivery

- Cardboard box
- From blade length 1000 mm in a transportation box

⋈		Jaw length mm	Cross-section mm	Order no.	List price EUR	DIN 875
Special steel						
		75 x 50	15 x 5	0368 102	25.20	
		100 x 70	20 x 5	0368 103	28.20	
		150 x 100	25 x 5	0368 104	37.80	
		200 x 130	30 x 6	0368 105	48.10	
		250 x 165	35 x 7	0368 106	64.00	
		300 x 200	40 x 8	0368 107	79.00	
		400 x 265	45 x 10	0368 108	173.00	
		500 x 330	50 x 10	0368 109	254.00	
		600 x 400	50 x 10	0368 110	359.00	
		750 x 500	60 x 12	0368 111	718.00	
	▪	1000 x 660	70 x 15	0368 112	1208.00	
Stainless steel						
		75 x 50	15 x 5	0368 202	48.00	
		100 x 70	20 x 5	0368 203	57.00	
		150 x 100	25 x 5	0368 204	78.00	
		200 x 130	30 x 6	0368 205	105.00	
		250 x 165	35 x 7	0368 206	147.00	
		300 x 200	40 x 8	0368 207	189.00	
		400 x 265	45 x 10	0368 208	293.00	
		500 x 330	50 x 10	0368 209	405.00	
		600 x 400	50 x 10	0368 210	602.00	
		750 x 500	60 x 12	0368 211	1034.00	
	▪	1000 x 660	70 x 15	0368 212	2193.00	

0369 Squares without base accuracy grade 0



Model

- DIN 875
- Accuracy grade 0
- For exact angle testing (for example: tool making)

Delivery

- Cardboard box
- From blade length 1000 mm in a transportation box

⋈		Jaw length mm	Cross-section mm	Order no.	List price EUR	DIN 875
Special steel						
		75 x 50	15 x 5	0369 102	17.50	
		100 x 70	20 x 5	0369 103	18.90	
		150 x 100	25 x 5	0369 104	23.10	
		200 x 130	30 x 6	0369 105	32.00	
		250 x 165	35 x 7	0369 106	43.30	
		300 x 200	40 x 8	0369 107	60.00	
		400 x 265	45 x 10	0369 108	121.00	
		500 x 330	50 x 10	0369 109	158.00	
		600 x 400	50 x 10	0369 110	253.00	
		750 x 500	60 x 12	0369 111	470.00	
	▪	1000 x 660	70 x 15	0369 112	838.00	
Stainless steel						
		75 x 50	15 x 5	0369 202	32.40	
		100 x 70	20 x 5	0369 203	39.30	
		150 x 100	25 x 5	0369 204	48.00	
		200 x 130	30 x 6	0369 205	74.00	
		250 x 165	35 x 7	0369 206	97.00	
		300 x 200	40 x 8	0369 207	119.00	
		400 x 265	45 x 10	0369 208	202.00	
		500 x 330	50 x 10	0369 209	282.00	
		600 x 400	50 x 10	0369 210	473.00	
		750 x 500	60 x 12	0369 211	882.00	
	▪	1000 x 660	70 x 15	0369 212	1655.00	

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0385 Inspection squares with base accuracy grade 0, hardened



Model

- DIN 875
- Accuracy grade 0
- For exact angle testing (for example: tool making)

Delivery

- Cardboard box

DIN 875

Jaw length mm	Cross-section mm	Order no.	List price EUR
Special steel			
50 x 40	15 x 4	0385 102	25.30
75 x 50	15 x 4	0385 103	27.00
100 x 70	20 x 5	0385 104	32.30
150 x 100	25 x 6	0385 105	48.20
200 x 130	30 x 7	0385 106	67.00
300 x 200	40 x 8	0385 108	117.00
Stainless steel			
50 x 40	15 x 4	0385 202	35.10
75 x 50	15 x 4	0385 203	39.00
100 x 70	20 x 5	0385 204	48.20
150 x 100	25 x 6	0385 205	64.00
200 x 130	30 x 7	0385 206	82.00
300 x 200	40 x 8	0385 208	121.00

0386 Inspection squares without base accuracy grade 0, hardened



Model

- DIN 875
- Accuracy grade 0
- For exact angle testing (for example: tool making)

Delivery

- Cardboard box

DIN 875

Jaw length mm	Cross-section mm	Order no.	List price EUR
Special steel			
50 x 40	15 x 4	0386 102	19.10
75 x 50	15 x 4	0386 103	20.50
100 x 70	20 x 5	0386 104	25.10
150 x 100	25 x 6	0386 105	31.10
200 x 130	30 x 7	0386 106	40.10
300 x 200	40 x 8	0386 108	77.00
Stainless steel			
50 x 40	15 x 4	0386 202	24.20
75 x 50	15 x 4	0386 203	27.40
100 x 70	20 x 5	0386 204	32.30
150 x 100	25 x 6	0386 205	41.90
200 x 130	30 x 7	0386 206	54.00
300 x 200	40 x 8	0386 208	107.00

0370 Squares with base accuracy grade 1



Model

- DIN 875
- Accuracy grade 1
- For angle testing in production and factory

Delivery

- Cardboard box
- From blade length 1000 mm in a transportation box

⋈		Jaw length mm	Cross-section mm	Order no.	List price EUR	DIN 875
Special steel						
		75 x 50	15 x 5	0370 102	15.60	
		100 x 70	20 x 5	0370 103	17.50	
		150 x 100	25 x 5	0370 104	23.50	
		200 x 130	30 x 6	0370 105	29.90	
		250 x 165	35 x 7	0370 106	40.00	
		300 x 200	40 x 8	0370 107	49.80	
		400 x 265	45 x 10	0370 108	99.00	
		500 x 330	50 x 10	0370 109	145.00	
		600 x 400	50 x 10	0370 110	205.00	
		750 x 500	60 x 12	0370 111	410.00	
	▪	1000 x 660	70 x 15	0370 112	690.00	
Stainless steel						
		75 x 50	15 x 5	0370 202	17.20	
		100 x 70	20 x 5	0370 203	19.20	
		150 x 100	25 x 5	0370 204	29.00	
		200 x 130	30 x 6	0370 205	38.00	
		250 x 165	35 x 7	0370 206	52.00	
		300 x 200	40 x 8	0370 207	69.00	
		400 x 265	45 x 10	0370 208	175.00	
		500 x 330	50 x 10	0370 209	225.00	
		600 x 400	50 x 10	0370 210	350.00	
		750 x 500	60 x 12	0370 211	542.00	
	▪	1000 x 660	70 x 15	0370 212	876.00	

0371 Squares without base accuracy grade 1



Model

- DIN 875
- Accuracy grade 1
- For angle testing in production and factory

Delivery

- Cardboard box
- From blade length 1000 mm in a transportation box

⋈		Jaw length mm	Cross-section mm	Order no.	List price EUR	DIN 875
Special steel						
		75 x 50	15 x 5	0371 102	11.10	
		100 x 70	20 x 5	0371 103	12.30	
		150 x 100	25 x 5	0371 104	15.00	
		200 x 130	30 x 6	0371 105	19.40	
		250 x 165	35 x 7	0371 106	27.00	
		300 x 200	40 x 8	0371 107	34.50	
		400 x 265	45 x 10	0371 108	82.00	
		500 x 330	50 x 10	0371 109	107.00	
		600 x 400	50 x 10	0371 110	149.00	
		750 x 500	60 x 12	0371 111	280.00	
	▪	1000 x 660	70 x 15	0371 112	480.00	
Stainless steel						
		75 x 50	15 x 5	0371 202	12.20	
		100 x 70	20 x 5	0371 203	13.50	
		150 x 100	25 x 5	0371 204	16.50	
		200 x 130	30 x 6	0371 205	24.70	
		250 x 165	35 x 7	0371 206	33.50	
		300 x 200	40 x 8	0371 207	42.00	
		400 x 265	45 x 10	0371 208	138.00	
		500 x 330	50 x 10	0371 209	175.00	
		600 x 400	50 x 10	0371 210	269.00	
		750 x 500	60 x 12	0371 211	493.00	
	▪	1000 x 660	70 x 15	0371 212	795.00	

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0372 Squares with base accuracy grade 2



Model

- Special steel
- DIN 875
- Accuracy grade 2
- For angle testing in production and factory

Delivery

- Cardboard box
- From blade length 1500 mm in a transportation box

DIN 875

		Jaw length mm	Cross-section mm	Order no.	List price EUR
		75 x 50	15 x 5	0372 102	12.50
		100 x 70	20 x 5	0372 103	14.00
		150 x 100	25 x 5	0372 104	18.80
		200 x 130	30 x 6	0372 105	23.90
		250 x 165	35 x 7	0372 106	32.00
		300 x 175	35 x 7	0372 107	39.80
		400 x 200	35 x 7	0372 108	59.00
		500 x 250	40 x 8	0372 109	72.00
		600 x 300	40 x 8	0372 110	95.00
		750 x 375	45 x 10	0372 111	120.00
		1000 x 500	50 x 10	0372 112	175.00
	▪	1500 x 750	60 x 12	0372 113	769.00
	▪	2000 x 1000	60 x 12	0372 114	950.00

0373 Squares without base accuracy grade 2



Model

- Special steel
- DIN 875
- Accuracy grade 2
- For angle testing in production and factory

Delivery

- Cardboard box
- From blade length 1500 mm in a transportation box

DIN 875

		Jaw length mm	Cross-section mm	Order no.	List price EUR
		75 x 50	15 x 5	0373 102	8.90
		100 x 70	20 x 5	0373 103	9.80
		150 x 100	25 x 5	0373 104	12.00
		200 x 130	30 x 6	0373 105	15.50
		250 x 165	35 x 7	0373 106	19.90
		300 x 175	35 x 7	0373 107	26.80
		400 x 200	35 x 7	0373 108	42.50
		500 x 250	40 x 8	0373 109	59.00
		600 x 300	40 x 8	0373 110	76.00
		750 x 375	45 x 10	0373 111	94.00
		1000 x 500	50 x 10	0373 112	145.00
	▪	1500 x 750	60 x 12	0373 113	699.00
	▪	2000 x 1000	60 x 12	0373 114	840.00

0374 Steel squares with base



Model

- Special steel, zinc coated
- Factory standard
- Simple design for angle test in steel and metal construction

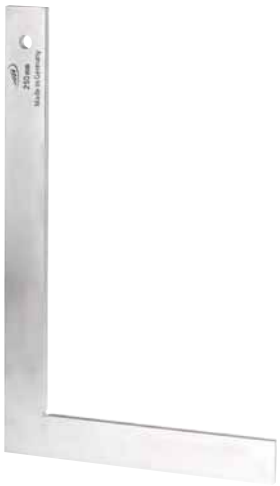
Delivery

- Cardboard box
- From blade length 1500 mm in a transportation box

⋈		Jaw length mm	Cross-section mm	Order no.	List price EUR
		100 x 70	20 x 5	0374 404	10.50
		150 x 100	20 x 5	0374 408	11.80
		200 x 130	20 x 5	0374 410	14.20
		250 x 160	25 x 5	0374 412	17.20
		300 x 180	25 x 5	0374 414	21.00
		400 x 230	30 x 5	0374 416	26.50
		500 x 280	30 x 5	0374 418	35.20
		600 x 330	30 x 5	0374 420	47.20
		750 x 375	30 x 5	0374 424	56.00
		1000 x 500	30 x 5	0374 428	85.00
	▪	1500 x 750	40 x 5	0374 430*	199.00
	▪	2000 x 1000	40 x 5	0374 432*	292.00

*polished

0375 Steel squares without base



Model

- Special steel, zinc coated
- Factory standard
- Simple design for angle test in steel and metal construction

Delivery

- Cardboard box
- From blade length 1500 mm in a transportation box

⋈		Jaw length mm	Cross-section mm	Order no.	List price EUR
		100 x 70	20 x 5	0375 404	7.70
		150 x 100	20 x 5	0375 408	8.10
		200 x 130	20 x 5	0375 410	8.60
		250 x 160	25 x 5	0375 412	10.50
		300 x 180	25 x 5	0375 414	11.50
		400 x 230	30 x 5	0375 416	15.80
		500 x 280	30 x 5	0375 418	17.50
		600 x 330	30 x 5	0375 420	21.50
		750 x 375	30 x 5	0375 424	25.50
		1000 x 500	30 x 5	0375 428	33.00
	▪	1500 x 750	40 x 5	0375 430*	96.00
	▪	2000 x 1000	40 x 5	0375 432*	145.00

*polished

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0376 Squares with hard and slim blade, accuracy grade 1



Model

- Special steel
- DIN 875
- Accuracy grade 1
- For angle testing in production and factory

Delivery

- Cardboard box

DIN 875

Jaw length mm	Cross section with narrow beam mm	Cross section with wide beam mm	Order no.	List price EUR
75 x 50	14 x 3	14 x 10	0376 102	12.30
100 x 70	16 x 3	16 x 10	0376 103	13.10
150 x 100	22 x 3	20 x 12	0376 104	16.50
200 x 130	24 x 3	24 x 14	0376 105	27.10

0376 Squares with hard and slim blade, accuracy grade 2



Model

- Special steel
- DIN 875
- Accuracy grade 2
- For angle testing in production and factory

Delivery

- Cardboard box

DIN 875

Jaw length mm	Cross section with narrow beam mm	Cross section with wide beam mm	Order no.	List price EUR
75 x 50	14 x 2	14 x 10	0376 112	11.50
100 x 70	18 x 2	16 x 10	0376 113	12.20
150 x 100	22 x 3	20 x 12	0376 114	14.80
200 x 130	24 x 3	24 x 14	0376 115	20.70
250 x 160	28 x 3	28 x 16	0376 116	25.60
300 x 175	30 x 3	32 x 18	0376 117	30.50

0390 Squares with hard and slim blade, hardened, accuracy grade 0



Model

- DIN 875
- Accuracy grade 0
- For exact angle testing (for example: tool making)

Delivery

- Cardboard box

DIN 875

⋈		Jaw length mm	Cross section with narrow beam mm	Cross section with wide beam mm	Order no.	List price EUR
Special steel						
		50 x 40	16 x 2	14 x 10	0390 102	36.20
		75 x 50	18 x 2	14 x 10	0390 103	36.20
		100 x 70	18 x 2	16 x 10	0390 104	41.90
		150 x 100	22 x 3	20 x 12	0390 105	53.00
		200 x 130	26 x 3	24 x 14	0390 106	72.00
		300 x 200	32 x 3	30 x 18	0390 108	121.00
Stainless steel						
		50 x 40	16 x 2	14 x 10	0390 202	47.90
		75 x 50	18 x 2	14 x 10	0390 203	54.00
		100 x 70	18 x 2	16 x 10	0390 204	69.00
		150 x 100	22 x 3	20 x 12	0390 205	89.00
		200 x 130	26 x 3	24 x 14	0390 206	111.00
		300 x 200	32 x 3	30 x 18	0390 208	171.00

0391 Knife edge squares with hard and slim blade, hardened, accuracy grade 00



Model

- With knife edge
- DIN 875
- Accuracy grade 00
- For exact flatness testing (for example: in production)

Delivery

- Cardboard box

DIN 875

⋈		Jaw length mm	Cross section with narrow beam mm	Cross section with wide beam mm	Order no.	List price EUR
Special steel, non-glare knife edge						
		50 x 40	16 x 2	14 x 10	0391 102	56.00
		75 x 50	18 x 2	14 x 10	0391 103	56.00
		100 x 70	18 x 2	16 x 10	0391 104	73.00
		150 x 100	22 x 3	20 x 12	0391 105	92.00
		200 x 130	26 x 3	24 x 14	0391 106	124.00
		300 x 200	32 x 3	30 x 18	0391 108	181.00
Stainless steel						
		50 x 40	16 x 2	14 x 10	0391 202	67.00
		75 x 50	18 x 2	14 x 10	0391 203	75.00
		100 x 70	18 x 2	16 x 10	0391 204	85.00
		150 x 100	22 x 3	20 x 12	0391 205	109.00
		200 x 130	26 x 3	24 x 14	0391 206	140.00
		300 x 200	32 x 3	30 x 18	0391 208	227.00

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0388 Knife edge squares, hardened, accuracy grade 00



Model

- DIN 875
- Accuracy grade 00
- For exact angle and flatness testing (for example: tool making)

Delivery

- Cardboard box

DIN 875

Jaw length mm	Cross-section mm	Order no.	List price EUR
Special steel, non-glare knife edge			
50 x 40	14 x 4	0388 102	20.20
75 x 50	15 x 4	0388 103	24.00
100 x 70	20 x 5	0388 104	28.70
150 x 100	25 x 6	0388 105	38.60
200 x 130	30 x 7	0388 106	54.00
300 x 200	40 x 8	0388 108	94.00
Stainless steel			
50 x 40	14 x 4	0388 202	24.00
75 x 50	15 x 4	0388 203	28.20
100 x 70	20 x 5	0388 204	34.00
150 x 100	25 x 6	0388 205	43.90
200 x 130	30 x 7	0388 206	65.00
300 x 200	40 x 8	0388 208	142.00
500 x 330	40 x 10	0388 210	676.00

0394 Knife edge squares



0394 101



0394 110

Model

- **0394101**

- Reading parts are satin chrome finished
- Sliding knife 7 x 7 x 60 mm
- Angle +-5°
- Handle 40 x 23 x 9 mm
- For testing on short edges and grooves through the sliding knife edge

- **0394110**

- Reading parts are satin chrome finished
- Sliding knife edge 7 x 7 x 60 mm
- Handle 40 x 23 x 9 mm
- For tests at short grooves through the sliding straight edge

Delivery

- Wooden case

Dimensions mm	Cross-section mm	Order no.	List price EUR
60 x 35 x 13	7 x 7 x 100	0394 101	212.00
40 x 23 x 9	7 x 7 x 60	0394 110	85.00

Accessories	Order no.	List price EUR
Replacement rule for 0394	0394 104	38,30

0387 Knife edge squares



Model

- Stainless steel
- DIN 875
- Accuracy grade 00
- Angle 90°
- Knife edge on the inside

Delivery

- Cardboard box

DIN 875

⋈		Jaw length mm	Cross section with narrow beam mm	Cross section with wide beam mm	Order no.	List price EUR
		25 x 20	5 x 3.5	6 x 3.5	0387 200	17.90
		40 x 28	5 x 3.5	8 x 3.5	0387 201	17.90

0397 5 piece inspection set



Model

set consisting of:

- Knife edge square, stainless steel 75 x 50 mm
- Knife edge square, stainless steel 40 x 28 mm
- Knife edge square, stainless steel 25 x 20 mm
- Knife edge rule, special steel100 mm
- Gauge block scriber 60 x 9 x 9 mm

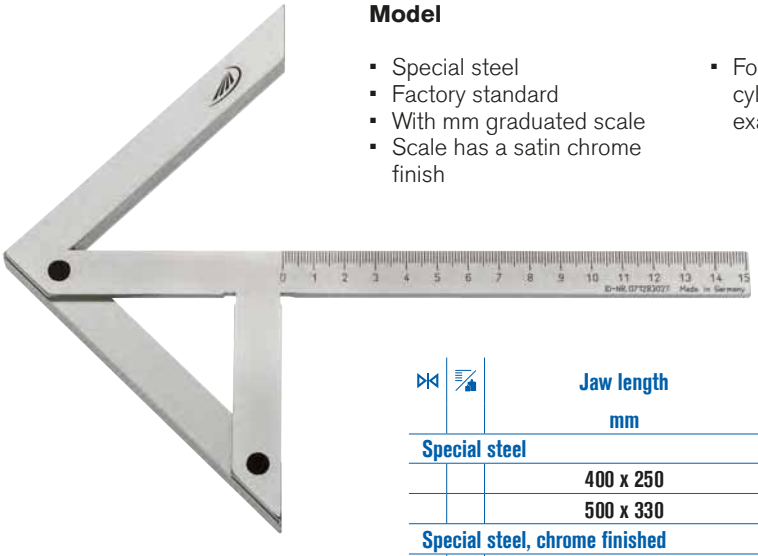
Delivery

- Wooden case

⋈		Order no.	List price EUR
		0397 101	184.00

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0380 Centre squares



Model

- Special steel
- Factory standard
- With mm graduated scale
- Scale has a satin chrome finish

- For marking the centre of cylindrical workpieces, for example spindles, slices

Delivery

- Cardboard box

		Jaw length mm	For shaft dia. up to mm	Order no.	List price EUR
Special steel					
		400 x 250	380	0380 108	262.00
		500 x 330	530	0380 109	466.00
Special steel, chrome finished					
		100 x 70	90	0380 103	57.00
		150 x 130	190	0380 104	68.00
		200 x 150	220	0380 105	85.00
		250 x 160	230	0380 106	94.00
		300 x 180	280	0380 107	102.00

0396 Flange squares



Model

- Special steel, zinc coated
- Factory standard
- For accurately aligning flanges e.g. in plumbing and sanitary works in pipeline

Delivery

- Cardboard box
- From blade length 600 mm in transportation box

		Jaw length mm	Cross-section mm	Order no.	List price EUR
		300 x 300	30 x 5	0396 414	16.50
		400 x 400	30 x 5	0396 416	19.50
		500 x 500	30 x 5	0396 418	23.00
	▪	600 x 600	30 x 5	0396 420	29.00
	▪	800 x 800	30 x 5	0396 426	35.00

0395 Mitre squares 120°



Model

- Special steel
- Factory standard

Delivery

- Cardboard box

⋈		Jaw length mm	Cross-section mm	Order no.	List price EUR
Flat, without base					
		50 x 50	15 x 5	0395 132	8.60
		75 x 75	18 x 5	0395 133	11.00
		100 x 100	20 x 5	0395 134	13.30

0395 Mitre squares 135°



Model

- Special steel
- Factory standard

Delivery

- Cardboard box

⋈		Jaw length mm	Cross-section mm	Order no.	List price EUR
With base					
		120 x 80	20 x 5	0395 142	19.10
		150 x 100	20 x 5	0395 143	21.60
		200 x 130	25 x 5	0395 144	28.20
Flat, without base					
		50 x 50	15 x 5	0395 136	8.60
		75 x 75	18 x 5	0395 137	11.00
		100 x 100	20 x 5	0395 138	13.30
		120 x 80	20 x 5	0395 146	14.10
		150 x 100	20 x 5	0395 147	19.10
		200 x 130	25 x 5	0395 148	25.80

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0395 Acute angle squares 60°



Model

- Special steel
- Factory standard

Delivery

- Cardboard box

Jaw length mm	Cross-section mm	Order no.	List price EUR
With base			
120 x 80	20 x 5	0395 122	26.50
150 x 100	20 x 5	0395 123	30.30
200 x 130	25 x 5	0395 124	40.60
Flat, without base			
120 x 80	20 x 5	0395 126	19.00
150 x 100	20 x 5	0395 127	21.20
200 x 130	25 x 5	0395 128	29.80

0395 Acute angle squares 45°



Model

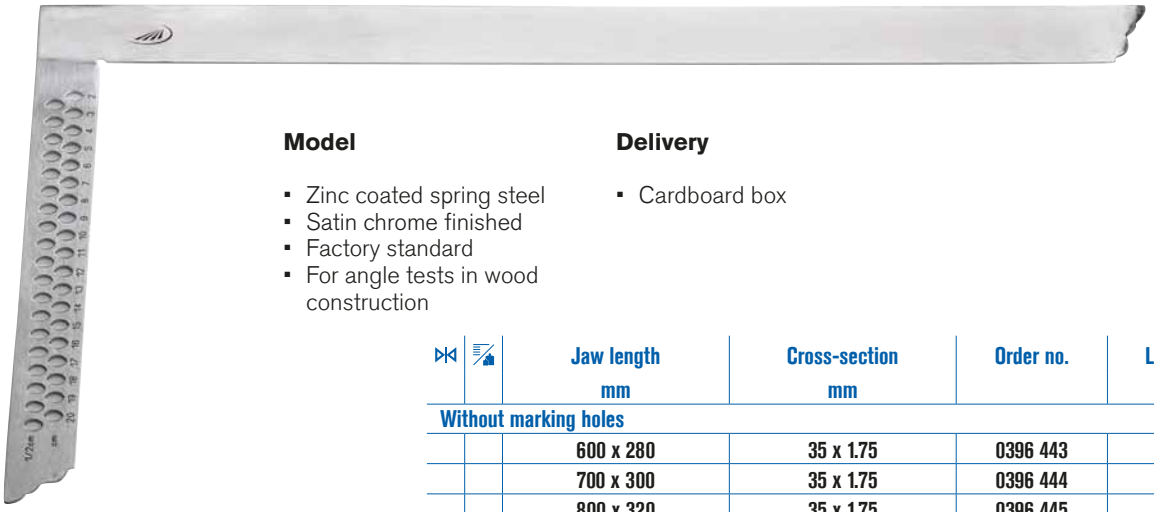
- Special steel
- Factory standard

Delivery

- Cardboard box

Jaw length mm	Cross-section mm	Order no.	List price EUR
With base			
120 x 80	20 x 5	0395 102	28.00
150 x 100	20 x 5	0395 103	31.10
200 x 130	25 x 5	0395 104	41.90
Flat, without base			
120 x 80	20 x 5	0395 106	19.70
150 x 100	20 x 5	0395 107	21.60
200 x 130	25 x 5	0395 108	31.10

0396 Carpenters squares



Model

- Zinc coated spring steel
- Satin chrome finished
- Factory standard
- For angle tests in wood construction

Delivery

- Cardboard box

⋈		Jaw length mm	Cross-section mm	Order no.	List price EUR
Without marking holes					
		600 x 280	35 x 1.75	0396 443	10.50
		700 x 300	35 x 1.75	0396 444	12.40
		800 x 320	35 x 1.75	0396 445	13.40
		1000 x 380	35 x 1.75	0396 446	17.30
With marking holes					
		600 x 280	35 x 1.75	0396 453	13.20
		700 x 300	35 x 1.75	0396 454	14.90
		800 x 320	35 x 1.75	0396 455	16.60
		1000 x 380	35 x 1.75	0396 456	20.30

0396 Alpha squares with marking holes



Model

- Stainless steel
- Long blade with mm graduation, short blade used as adjustable protractor and for marking and production of wood joints 0°-90°

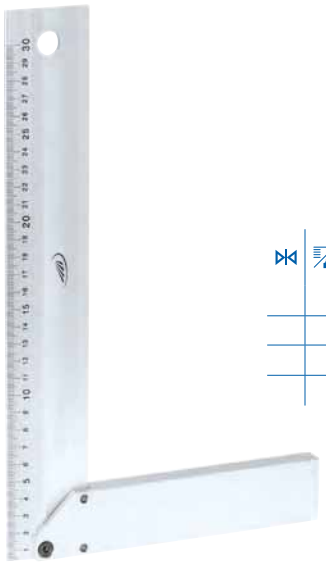
Delivery

- Cardboard box

⋈		Jaw length mm	Cross-section mm	Order no.	List price EUR
		430 x 795	35	0396 290	96.00

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0396 Joiner squares with mitre



Model

- Aluminium
- mm graduation

Delivery

- Cardboard box

Jaw length mm	Cross section with narrow beam mm	Cross section with wide beam mm	Order no.	List price EUR
250 x 148	40 x 14	50 x 5	0396 982	11.90
300 x 164	40 x 14	50 x 5	0396 983	14.10
400 x 195	40 x 14	50 x 5	0396 984	16.80

0396 Adjustable square



Model

- Special steel, zinc coated
- Satin chrome finished
- Screw hinge
- For transferring, marking and setting of individual angles

Delivery

- Cardboard box

Jaw length mm	Cross-section mm	Order no.	List price EUR
200	20 x 8	0396 432	9.80
250	25 x 8	0396 433	12.10
300	25 x 8	0396 434	14.80
400	25 x 8	0396 435	19.00
500	25 x 8	0396 436	21.20

0003 Wooden cases for squares



⋈		Jaw length mm	Internal dimensions L x W x H mm	Order no.	List price EUR
For squares with base					
		150 x 100	160 x 105 x 27	0003 284	6.80
		200 x 130	210 x 135 x 34	0003 286	9.00
		250 x 165	260 x 170 x 38	0003 288	19.30
		300 x 200	312 x 205 x 42	0003 290	19.30
		400 x 265	412 x 270 x 48	0003 292	36.80
		500 x 330	512 x 335 x 54	0003 294	41.50
For flat type squares					
		150 x 100	160 x 105 x 22	0003 283	6.10
		200 x 130	210 x 135 x 27	0003 285	7.70
		250 x 165	260 x 170 x 27	0003 287	8.50
		300 x 200	312 x 205 x 27	0003 289	11.60
		400 x 265	412 x 270 x 27	0003 291	33.30
		500 x 330	512 x 335 x 27	0003 293	37.10
For squares with and without base					
		50 x 40	55 x 45 x 22	0003 280	4.30
		75 x 50	80 x 55 x 22	0003 281	4.70
		100 x 70	105 x 75 x 22	0003 282	4.90

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0411 Protractors



Model

- Locking screw
- High precision, laser graduated degree scale
- Factory standard
- 0 - 180°

Delivery

- Cardboard box

Jaw length mm	Graduated arc dia. mm	Order no.	List price EUR
Special steel			
120	80	0411 101	22.60
150	120	0411 102	28.20
200	150	0411 103	35.40
300	200	0411 104	46.90
500	300	0411 105	71.00
600	300	0411 106	82.00
800	300	0411 107	108.00
600	400	0411 108	140.00
800	400	0411 109	148.00
1000	400	0411 110	154.00
Special steel, satin chrome finished graduated arc			
120	80	0411 301	25.10
150	120	0411 302	32.30
200	150	0411 303	35.90
300	200	0411 304	52.00
500	300	0411 305	103.00
600	300	0411 306	130.00
800	300	0411 307	141.00
600	400	0411 308	147.00
800	400	0411 309	155.00
1000	400	0411 310	191.00

0412 Protractors



Model

- Locking screw
- Stainless steel
- Factory standard
- 0 - 180°
- High precision, laser graduated degree scale

Delivery

- Cardboard box

Jaw length mm	Graduated arc dia. mm	Order no.	List price EUR
120	80	0412 201	35.40
150	120	0412 202	38.30
200	150	0412 203	39.40
300	200	0412 204	55.00

0413 Protractors



0413 301



0413 302

Model

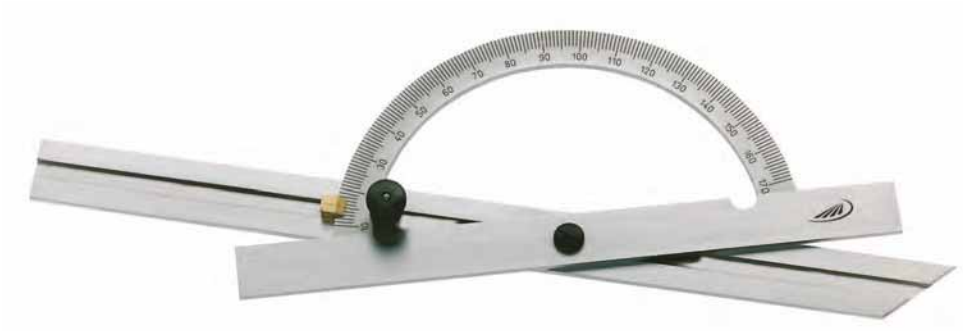
- Locking screw
- Special steel
- Factory standard
- 0 - 180°
- High precision, laser graduated degree scale
- Graduated in opposite directions
- Satin chrome finished

Delivery

- Cardboard box

⋈		Dimensions mm	Jaw length mm	Order no.	List price EUR
		Ø 85	150	0413 301	23.90
		85 x 50	150	0413 302	24.90

0415 Bevel protractors



Model

- Locking screw
- Special steel, pointer arm is satin chrome finished
- Factory standard
- Adjustable stop bar 10° - 170°
- High precision, laser graduated degree scale

Delivery

- Cardboard box

⋈		Jaw length mm	Graduated arc dia. mm	Order no.	List price EUR
		150	100	0415 301	65.00
		300	150	0415 302	101.00
		400	200	0415 303	137.00
		500	250	0415 304	188.00
		600	300	0415 305	213.00

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0416 Bevel protractors with double stop rail



Model

- Locking screw
- Special steel, pointer arm is satin chrome finished
- Factory standard
- Adjustable stop bar
  10° - 170°
- High precision, laser graduated degree scale
- Two-way adjustable stop bar

Delivery

- Cardboard box

Jaw length	Graduated arc dia.	Order no.	List price
mm	mm		EUR
150	100	0416 301	130.00
300	150	0416 302	170.00
400	200	0416 303	220.00
500	250	0416 304	364.00
600	300	0416 305	422.00

0425 DIGI-MET® Universal bevel protractors

OPTO



Model

- Clamping unit
- Stainless steel
- Factory standard
- Reversible measuring range:
  - 1 x 360°
  - 2 x 180°
  - 4 x 90°

- Reversible indication
  - degree and minutes
  - decimal degree

Functions

- ON / OFF
- Set to zero at any point
- Data output Opto RS 232

Delivery

- Wooden case

⋈		Blade length mm	Reading mm	Order no.	List price EUR
		150	0.01° or 1‘	0425 701	1318.00
		200	0.01° or 1‘	0425 702	1331.00
		300	0.01° or 1‘	0425 703	1342.00



0996701



0996705

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2032	0220 704	3.90
data cable opto to RS232	0996 701	77.00
data cable opto to USB	0996 705	147.00

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0420 Universal bevel protractors



Model

- Locking screw
- Stainless steel
- Factory standard
- Vernier scale reading 5 minutes

Delivery

- Cardboard box

Measuring range in °	Blade length mm	Order no.	List price EUR
4 x 90 °	150	0420 201	56.00
4 x 90 °	200	0420 202	60.00
4 x 90 °	300	0420 203	65.00

Accessories	Order no.	List price EUR
Replacement magnifying lense	0420 121	16.30
Replacement blade 150 mm	0420 206	18.40
Replacement blade 200 mm	0420 207	19.30
Replacement blade 300 mm	0420 208	19.50



0420121



0420122



0420124

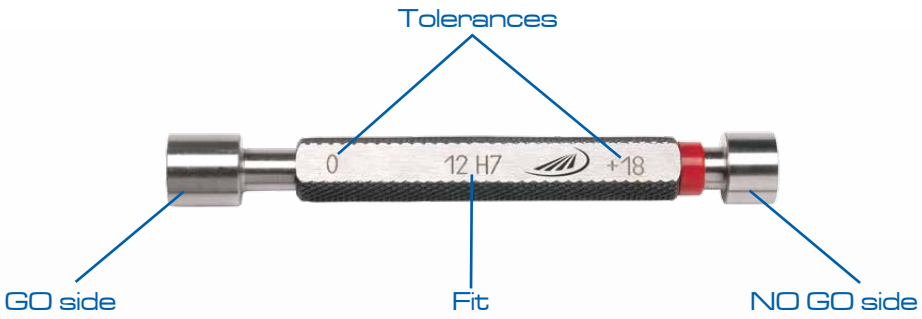
0420206

5

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6. CHAPTER GAUGES, RULES INSPECTION EQUIPMENT

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246	Thread plug- and ring gauges

0460 Flexible steel rules



0460 204



0460 222



0460 242

Model

- Stainless spring band steel
- EC grade II
- Rules with special graduations or other scales are available upon request

⋈	▪	Length mm	Cross-section mm	Order no.	List price EUR
Scales: mm top and bottom					
		150	13 x 0.5	0460 201	1.10
		200	13 x 0.5	0460 202	1.10
		300	15 x 0.5	0460 204	1.60
		500	20 x 0.5	0460 205	4.30
		1000	20 x 0.5	0460 206	9.20
		300	30 x 1.0	0460 207	3.20
		500	30 x 1.0	0460 208	7.70
		1000	30 x 1.0	0460 209	16.00
		1500	30 x 1.0	0460 210	25.80
		2000	30 x 1.0	0460 211	31.10
		3000	30 x 1.0	0460 212	72.00
	▪	3000	30 x 2.0	0460 213	111.00
Scales: 1/2 mm top, mm bottom					
		150	13 x 0.5	0460 221	1.10
		200	13 x 0.5	0460 222	1.10
		250	15 x 0.5	0460 223	1.60
		300	15 x 0.5	0460 224	1.60
		500	20 x 0.5	0460 225	4.30
		1000	20 x 0.5	0460 226	9.20
		300	30 x 1.0	0460 227	3.20
		500	30 x 1.0	0460 228	7.70
		1000	30 x 1.0	0460 229	16.00
		1500	30 x 1.0	0460 230	25.80
		2000	30 x 1.0	0460 231	31.10
		3000	30 x 1.0	0460 232	72.00
	▪	3000	30 x 2.0	0460 233	111.00
Scales: 1/16“, 1/32“, 1/64“ top; 1/2 mm, 1/1 mm bottom					
		150	13 x 0.5	0460 241	1.10
		200	13 x 0.5	0460 242	1.10
		250	15 x 0.5	0460 243	1.60
		300	15 x 0.5	0460 244	1.60
		500	20 x 0.5	0460 245	4.30
		1000	20 x 0.5	0460 246	9.20
		300	30 x 1.0	0460 247	3.20
		500	30 x 1.0	0460 248	7.70
		1000	30 x 1.0	0460 249	16.00
		1500	30 x 1.0	0460 250	25.80
		2000	30 x 1.0	0460 251	31.10
		3000	30 x 1.0	0460 252	72.00
	▪	3000	30 x 2.0	0460 253	111.00

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0460 Flexible steel rules, satin chrome



0460 502



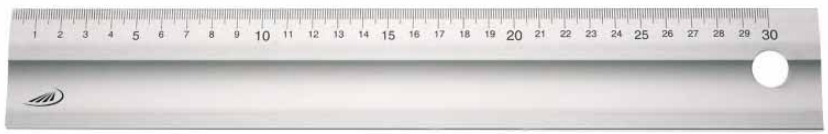
0460 522

Model

- Stainless spring band steel
- Scales satin chrome finished
- EC grade II

		Length mm	Cross-section mm	Order no.	List price EUR
Scales: mm top and bottom					
		150	13 x 0.5	0460 501	2.70
		200	13 x 0.5	0460 502	4.30
		300	15 x 0.5	0460 504	4.90
		500	20 x 0.5	0460 505	10.70
		1000	20 x 0.5	0460 506	21.80
		300	30 x 1.0	0460 507	5.60
		500	30 x 1.0	0460 508	11.80
		1000	30 x 1.0	0460 509	24.60
	▪	1500	35 x 1.5	0460 510	72.00
	▪	2000	35 x 1.5	0460 511	113.00
Scales: 1/2 mm top, mm bottom					
		150	13 x 0.5	0460 521	2.70
		200	13 x 0.5	0460 522	4.30
		300	15 x 0.5	0460 524	4.90
		500	20 x 0.5	0460 525	10.70
		1000	20 x 0.5	0460 526	21.80
		300	30 x 1.0	0460 527	5.60
		500	30 x 1.0	0460 528	11.80
		1000	30 x 1.0	0460 529	24.60

0453 Aluminium straight edges, anodized



0453 422

Model

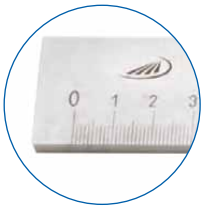
- Bevelled edge
- Non-glare mm graduation
- Factory standard

		Length mm	Cross-section mm	Order no.	List price EUR
		300	50 x 5	0453 422	8.90
		600	50 x 5	0453 430	13.20
		1000	50 x 5	0453 434	19.50

0451 Graduated straight rules acc. to DIN 866, type A



DIN 866-A



Model

- Both-sided 10 mm protective ends
- mm graduated scale

Delivery

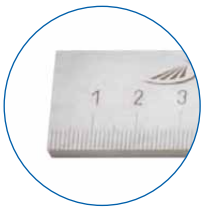
- Cardboard box
- From 2000 mm in transportation box

⋈		Length mm	Cross-section mm	Order no.	List price EUR
Special steel					
		500	30 x 6	0451 101	25.80
		1000	40 x 8	0451 102	59.00
	▪	1500	40 x 8	0451 103	106.00
	▪	2000	50 x 10	0451 104	147.00
	▪	3000	50 x 10	0451 105	304.00
	▪	4000	60 x 12	0451 106	552.00
Stainless steel					
		500	30 x 6	0451 201	45.70
		1000	40 x 8	0451 202	105.00
	▪	1500	40 x 8	0451 203	156.00
	▪	2000	50 x 10	0451 204	274.00
	▪	3000	50 x 10	0451 205	552.00
	▪	4000	60 x 12	0451 206	998.00

0452 Graduated straight rules acc. to DIN 866, type B



DIN 866-B



Model

- Graduated scale begins directly on the end of rule, the other end has a 10 mm protective end
- mm graduated scale

Delivery

- Cardboard box
- From 2000 mm in transportation box

⋈		Length mm	Cross-section mm	Order no.	List price EUR
Special steel					
		500	25 x 5	0452 101	20.30
		1000	30 x 6	0452 103	40.10
	▪	1500	30 x 6	0452 104	58.00
	▪	2000	40 x 8	0452 105	95.00
	▪	2500	40 x 8	0452 106	150.00
	▪	3000	40 x 8	0452 107	166.00
	▪	4000	50 x 10	0452 108	317.00
	▪	5000	60 x 12	0452 109	570.00
Stainless steel					
		500	25 x 5	0452 201	27.10
		1000	30 x 6	0452 203	59.00
	▪	1500	30 x 6	0452 204	101.00
	▪	2000	40 x 8	0452 205	160.00
	▪	2500	40 x 8	0452 206	306.00
	▪	3000	40 x 8	0452 207	318.00
	▪	4000	50 x 10	0452 208	572.00
	▪	5000	60 x 12	0452 209	1090.00

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0458 Steel scale tapes for circumference and diameter



0458 104



0458 102

Model

- Factory standard
- Vernier 0.1 mm
- Main scale graduation 1 mm

Delivery

- Cardboard box

For circumference mm	For dia. mm	Order no.	List price EUR
Spring band steel			
60 - 950	20 - 300	0458 102	38.30
940 - 2200	300 - 700	0458 103	45.70
2190 - 3460	700 - 1100	0458 104	59.00
3450 - 4720	1100 - 1500	0458 105	71.00
4710 - 5980	1500 - 1900	0458 106	85.00
5960 - 7230	1900 - 2300	0458 107	98.00
7220 - 8500	2300 - 2700	0458 108	242.00
8480 - 9760	2700 - 3100	0458 109	259.00
9730 - 11010	3100 - 3500	0458 110	333.00
11000 - 12260	3500 - 3900	0458 111	511.00
12250 - 13500	3900 - 4300	0458 112	521.00
13500 - 14760	4300 - 4700	0458 113	531.00
Stainless spring band steel			
60 - 950	20 - 300	0458 202	68.00
940 - 2200	300 - 700	0458 203	86.00
2190 - 3460	700 - 1100	0458 204	105.00
3450 - 4720	1100 - 1500	0458 205	139.00
4710 - 5980	1500 - 1900	0458 206	168.00

0454 Straight edges, with bevelled edge



Model

- Special steel
- Zinc coated
- Factory standard

Delivery

- Cardboard box
- From 2000 mm in transportation box

⋈		Length mm	Cross-section mm	Order no.	List price EUR
		400	40 x 5	0454 424	9.40
		500	40 x 5	0454 428	11.70
	▪	1000	40 x 5	0454 434	23.20
	▪	1500	40 x 5	0454 438	42.20
	▪	2000	40 x 5	0454 440	64.00
	▪	3000	50 x 8	0454 444	169.00

0455 Straight edges with bevelled edge, mm graduation



Model

- Special steel
- Zinc coated
- Factory standard
- Graduated scale begins directly on the end of rule, the other end has a 10 mm protective end

Delivery

- Cardboard box
- From 2000 mm in transportation box

⋈		Length mm	Cross-section mm	Order no.	List price EUR
		400	40 x 5	0455 424	17.30
		500	40 x 5	0455 428	21.60
	▪	1000	40 x 5	0455 434	41.00
	▪	1500	40 x 5	0455 438	73.00
	▪	2000	40 x 5	0455 440	107.00
	▪	3000	50 x 8	0455 444	226.00

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0464 Steel rules made of special steel, accuracy grade 0



rectangular cross section



I shaped cross section, 2 hand slots



Model

- Special steel
- Measuring surfaces are finely grinded
- Flatness of measuring surfaces according to DIN 874

Delivery

- Cardboard box
- From 2000 mm in transportation box

⋈		Length mm	Cross-section mm	Order no.	List price EUR
Special steel, rectangular cross section					
		500	50 x 10	0464 101	66.00
		750	50 x 10	0464 102	94.00
		1000	60 x 12	0464 103	147.00
	▪	1500	70 x 15	0464 104	248.00
Special steel, I shaped cross section, 2 hand slots					
	▪	2000	80 x 15	0464 105	445.00
	▪	2500	100 x 16	0464 106	756.00
	▪	3000	120 x 20	0464 107	1161.00
	▪	4000	140 x 20	0464 108	1995.00

0465 Steel rules made of special steel, accuracy grade 1

⋈		Length mm	Cross-section mm	Order no.	List price EUR
Special steel, rectangular cross section					
		500	40 x 8	0465 101	32.30
		750	50 x 10	0465 102	53.00
		1000	50 x 10	0465 103	72.00
	▪	1500	60 x 12	0465 104	132.00
Special steel, I shaped cross section, 2 hand slots					
	▪	2000	70 x 15	0465 105	268.00
	▪	2500	80 x 15	0465 106	502.00
	▪	3000	100 x 16	0465 107	862.00
	▪	4000	120 x 20	0465 108	1393.00

0466 Steel rules made of special steel, accuracy grade 2

⋈		Length mm	Cross-section mm	Order no.	List price EUR
Special steel, rectangular cross section					
		500	30 x 6	0466 101	22.20
		750	40 x 8	0466 102	39.00
		1000	40 x 8	0466 103	44.40
	▪	1500	50 x 10	0466 104	85.00
	▪	2000	60 x 12	0466 105	116.00
	▪	2500	70 x 15	0466 106	256.00
	▪	3000	80 x 15	0466 107	400.00
Special steel, I shaped cross section, 2 hand slots					
	▪	4000	100 x 16	0466 108	951.00

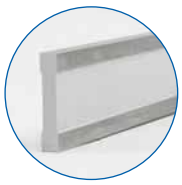
0464 Steel rules made of stainless steel, accuracy grade 0



rectangular cross section



I shaped cross section, 2 hand slots



Model

- Special steel
- Measuring surfaces are finely grinded
- Flatness of measuring surfaces according to DIN 874

Delivery

- Cardboard box
- From 2000 mm in transportation box

⋈		Length mm	Cross-section mm	Order no.	List price EUR
Stainless steel, rectangular cross section					
		500	50 x 10	0464 201	104.00
		750	50 x 10	0464 202	142.00
		1000	60 x 12	0464 203	268.00
	▪	1500	70 x 15	0464 204	445.00
Stainless steel, I shaped cross section, 2 hand slots					
	▪	2000	80 x 15	0464 205	823.00
	▪	2500	100 x 16	0464 206	1433.00
	▪	3000	120 x 18	0464 207	2534.00
	▪	4000	140 x 20	0464 208	4520.00

0465 Steel rules made of stainless steel, accuracy grade 1

⋈		Length mm	Cross-section mm	Order no.	List price EUR
Stainless steel, rectangular cross section					
		500	40 x 8	0465 201	59.00
		750	50 x 10	0465 202	91.00
		1000	50 x 10	0465 203	164.00
	▪	1500	60 x 12	0465 204	256.00
Stainless steel, I shaped cross section, 2 hand slots					
	▪	2000	70 x 15	0465 205	604.00
	▪	2500	80 x 15	0465 206	920.00
	▪	3000	100 x 16	0465 207	1772.00
	▪	4000	120 x 18	0465 208	2610.00

0466 Steel rules made of stainless steel, accuracy grade 2

⋈		Length mm	Cross-section mm	Order no.	List price EUR
Stainless steel, rectangular cross section					
		500	30 x 6	0466 201	38.30
		750	40 x 8	0466 202	67.00
		1000	40 x 8	0466 203	98.00
	▪	1500	50 x 10	0466 204	204.00
	▪	2000	60 x 12	0466 205	344.00
	▪	2500	70 x 15	0466 206	572.00
	▪	3000	80 x 15	0466 207	817.00
Stainless steel, I shaped cross section. 2 hand slots					
	▪	4000	100 x 16	0466 208	1521.00

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0512 Knife edge rules



0512 101

DIN 874

Model

- DIN 874 Sheet 2, accuracy grade 00
- Thermally insulated
- Pointed tip at one end
- Special steel: glare free and burnished knife edge
- Stainless steel: non glare knife edge up to 500 mm

Delivery

- Up to 500 mm in imitation leather case. From 500 mm indivdually packed

Length mm	Cross-section mm	Order no.	List price EUR
Special steel, hardened and grinded			
75	25 x 5	0512 101	10.50
100	25 x 5	0512 102	11.80
125	25 x 5	0512 103	13.30
150	25 x 5	0512 104	15.10
200	29 x 7	0512 105	19.70
300	29 x 7	0512 106	37.10
400	33 x 10	0512 107	66.00
500	33 x 10	0512 108	104.00
Stainless steel, hardened and grinded			
75	25 x 5	0512 201	13.70
100	25 x 5	0512 202	16.00
125	25 x 5	0512 203	16.70
150	25 x 5	0512 204	18.70
200	29 x 7	0512 205	21.60
300	29 x 7	0512 206	46.90
400	33 x 10	0512 207	85.00
500	33 x 10	0512 208	116.00
600	45 x 10	0512 209	224.00
750	60 x 12	0512 210	454.00
1000	60 x 12	0512 211	595.00

0512 Wooden cases for knife edge rules

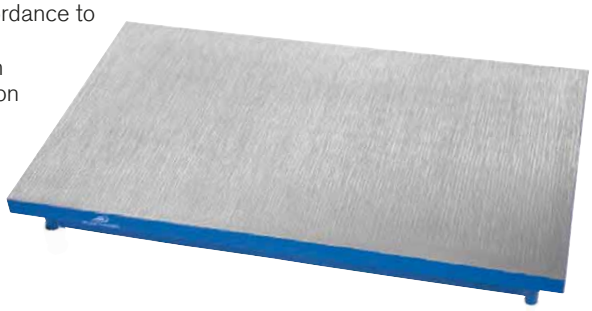
Length mm	Order no.	List price EUR
75	0512 601	5.40
100	0512 602	5.40
125	0512 603	5.40
150	0512 604	6.50
200	0512 605	7.60
300	0512 606	8.60
400	0512 607	10.80
500	0512 608	16.30
600	0512 609	16.30
750	0512 610	32.50
1000	0512 611	37.90

0478 Inspection plates

DIN 876-2

Model

- Flatness in accordance to DIN 876-2
- Special cast iron
- Rigid construction





⋈		Base dimensions mm	Accuracy grade	Order no.	List price EUR
Scraped					
		200 x 200	0	0478 012	172.00
		300 x 300	0	0478 015	301.00
	▪	400 x 300	0	0478 016	379.00
	▪	400 x 400	0	0478 017	491.00
Microground					
		200 x 200	1	0478 112	135.00
		300 x 300	1	0478 115	223.00
	▪	400 x 300	1	0478 116	301.00
	▪	400 x 400	1	0478 117	379.00
	▪	500 x 400	1	0478 118	423.00
	▪	500 x 500	1	0478 119	546.00
	▪	600 x 500	1	0478 121	602.00
	▪	800 x 500	1	0478 124	1002.00
	▪	1000 x 600	1	0478 127	1782.00
Grinded					
		200 x 200	3	0478 312	101.00
		300 x 300	3	0478 315	162.00
	▪	400 x 300	3	0478 316	195.00
	▪	400 x 400	3	0478 317	233.00
	▪	500 x 400	3	0478 318	301.00
	▪	500 x 500	3	0478 319	446.00
	▪	600 x 500	3	0478 321	491.00
	▪	800 x 500	3	0478 324	701.00
	▪	1000 x 600	3	0478 327	1114.00

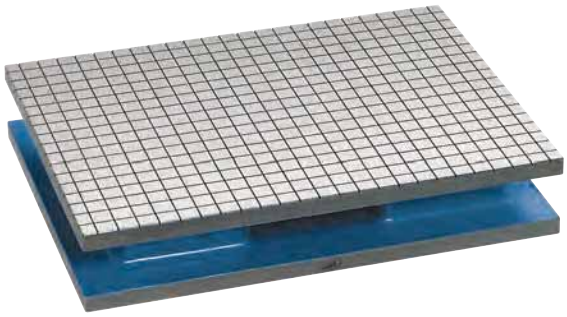
Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0478 Base stand for inspection plates



		For plate size mm	Order no.	List price EUR
		400 x 400	0478 907	324.00
		500 x 400	0478 908	324.00
		500 x 500	0478 909	347.00
	▪	600 x 500	0478 911	365.00
	▪	800 x 500	0478 914	412.00
	▪	1000 x 600	0478 917	495.00

0482 Lapping and inspection plate



Model

- High grade cast iron
- Finely ground
- One side for lapping with rectangular grooves
- One side as inspection plate flat straight trough

Delivery

- Wooden case

		Base dimensions mm	Order no.	List price EUR
	▪	360 x 260 x 65	0482 101	488.00

0504 V-blocks (pair)





Model

- Special cast iron
- 90° grooves
- Machined in pairs

Delivery

- In pairs
- Cardboard box

⋈		Base dimensions mm	For shaft dia. mm	Accuracy grade	Order no.	List price EUR
Parallelism tolerance < 0.008 mm, V-grooves and base finely grinded						
		100 x 40 x 30	6 - 40	0	0504 012	93.00
		150 x 50 x 40	8 - 50	0	0504 013	145.00
		200 x 70 x 50	8 - 70	0	0504 014	223.00
Parallelism tolerance < 0.016 mm, V-grooves and base grinded						
		100 x 40 x 30	6 - 40	1	0504 112	66.00
		150 x 50 x 40	8 - 50	1	0504 113	88.00
		200 x 70 x 50	8 - 70	1	0504 114	145.00
Parallelism tolerance < 0.064 mm, V-grooves and base milled						
		100 x 40 x 30	6 - 40	3	0504 312	45.50
		150 x 50 x 40	8 - 50	3	0504 313	67.00
		200 x 70 x 50	8 - 70	3	0504 314	110.00

0520 V-blocks (pair)





Model

- Special steel, hardened
- Parallelism from prism to base 0.004 mm
- 90° grooves
- Machined in pairs

Delivery

- In pairs
- Cardboard box

⋈		Base dimensions L x W x H mm	For shaft dia. mm	Order no.	List price EUR
		75 x 35 x 30	5 - 40	0520 101	133.00
		100 x 47 x 40	5 - 55	0520 102	175.00
		150 x 55 x 45	5 - 60	0520 103	232.00
		200 x 65 x 55	5 - 75	0520 104	324.00
		250 x 85 x 70	5 - 100	0520 105	443.00

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0508 Pair of X type V-blocks (parallel)



Model

- Factory standard
- Special cast iron
- 4 x 90° grooves, different sizes
- Machined in pairs

Delivery

- In pairs
- Cardboard box

		Base dimensions L x W x H mm	For shaft dia. mm	Accuracy grade	Order no.	List price EUR
Parallelism tolerance < 0.008 mm, V-grooves and base grinded						
		60 x 120 x 100	8 - 90	0	0508 011	307.00
		75 x 150 x 130	8 - 130	0	0508 012	370.00
	▪	90 x 200 x 170	12 - 180	0	0508 013	542.00
Parallelism tolerance < 0.016 mm, V-grooves and base finely grinded						
		60 x 120 x 100	8 - 90	1	0508 111	266.00
		75 x 150 x 130	8 - 130	1	0508 112	328.00
	▪	90 x 200 x 170	8 - 180	1	0508 113	500.00

0522 V-blocks with clamp



Specification

- Stainless special steel, hardened
- Parallelism from prism to base 0.004 mm
- 2 x 90° grooves

Delivery

- Cardboard box

⋈		Dimensions L x W x H mm	For shaft dia. mm	Order no.	List price EUR
		50 x 40 x 40	5 - 30	0522 201	133.00
		75 x 55 x 55	5 - 50	0522 202	162.00
		100 x 75 x 75	7 - 70	0522 203	233.00

0522 Double V-blocks (pairs) with clamp



Specification

- Stainless special steel, hardened
- Parallelism from prism to base 0.004 mm
- 2 x 90° grooves
- Machined in pairs

Delivery

- In pairs
- Cardboard box

⋈		Dimensions L x W x H mm	For shaft dia. mm	Order no.	List price EUR
Special steel, hardened					
		50 x 40 x 40	5 - 30	0522 101	204.00
		75 x 55 x 55	5 - 50	0522 102	249.00
		100 x 75 x 75	7 - 70	0522 103	359.00
Stainless special steel, hardened					
		50 x 40 x 40	5 - 30	0522 206	253.00
		75 x 55 x 55	5 - 50	0522 207	308.00
		100 x 75 x 75	7 - 70	0522 208	443.00

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0524 Double V-blocks (pairs) with clamp lateral tilting



Specification

- Stainless special steel, hardened
- Flatness, parallelism and symmetry tolerance 0.004 mm
- Right-angled tolerance faces to prism 0.01
- 2 x 90° grooves
- Machined in pairs

Delivery

- In pairs
- Cardboard box

Dimensions mm	For shaft dia. mm	Order no.	List price EUR
60 x 58 x 40	5 - 30	0524 101	225.00
75 x 70 x 54	5 - 30	0524 102	278.00
100 x 96 x 75	7 - 70	0524 103	418.00

0522 Clamp for double V-blocks



Delivery

- In pairs
- Cardboard box

Suitable for prisms	Order no.	List price EUR
0522 201 / 0522 101 / 0522 206 / 0524 101	0522 111	32.00
0522 202 / 0522 102 / 0522 207 / 0524 102	0522 112	37.00
0522 203 / 0522 103 / 0522 208 / 0524 103	0522 113	45.00

0527 Magnetic measuring and clamping prism



Model

- Flatness, parallelism and symmetry tolerance 0.004 mm
- Right-angled tolerance is 0.01 mm
- Magnet can be switched ON/OFF
- Magnetic force 600 N

Delivery

- Cardboard box

⋈		Dimensions L x W x H mm	For shaft dia. mm	Order no.	List price EUR
Special steel					
		80 x 67 x 99	6 - 66	0527 101	340.00
		100 x 67 x 96	6 - 70	0527 102	471.00
Special steel, hardened					
		71,5 x 45 x 70	2 - 40	0527 106*	275.00
		80 x 67 x 99	6 - 66	0527 107	403.00
		100 x 67 x 96	6 - 70	0527 108	562.00

*with flat base

0527 Magnetic measuring and clamping prism (pairs)



Model

- Grinded in pairs

Delivery

- In pairs
- Cardboard box

⋈		Dimensions L x W x H mm	For shaft dia. mm	Order no.	List price EUR
Special steel					
		80 x 67 x 99	6 - 66	0527 104	668.00
		100 x 67 x 96	6 - 70	0527 105	934.00
Special steel, hardened					
		71,5 x 45 x 70	2 - 40	0527 109*	550.00
		80 x 67 x 99	6 - 66	0527 110	858.00
		100 x 67 x 96	6 - 70	0527 111	1111.00

*with flat base

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0527 Magnetic measuring and clamping prism single / pair



0527 151



0527 156

Specification

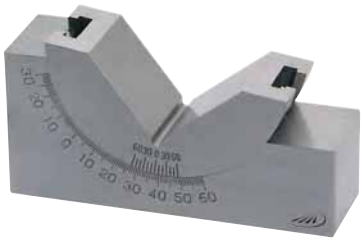
- Special steel, polished
- Two sided machinig
- Prisms 120°
- Parallelism from prism to base 0.008 mm
- Magnet can be switched ON/OFF
- Magnetic force 600 N

Delivery

- Cardboard box
- Packed individually or in pairs

Dimensions L x W x H mm	For shaft dia. mm	Order no.	List price EUR
Single prism			
70 x 45 x 65	13 - 35	0527 151	180.00
Pair of prisms			
70 x 45 x 65	13 - 35	0527 156	355.00

0525 Adjustable V-blocks 0-60°



Model

- Special steel, hardened
- Locking device
- Vernier reading

Delivery

- Cardboard box

Dimensions mm	For shaft dia. mm	Order no.	List price EUR
75 x 25 x 33	4 - 28	0525 101	120.00
102 x 30 x 46	4 - 40	0525 102	128.00
102 x 46 x 46	4 - 40	0525 103	137.00

0536 Set of parallel blocks



0536 202



0536 211

Model

- Special steel, hardened

Delivery

- Wooden case

⋈		Measuring range mm	Height mm	Width mm	Number of devices	Height tolerance µm	Order no.	List price EUR
Set consists of 9 pairs, length 100 mm								
		10 - 42	10 / 14 / 18 / 22 / 26 / 30 / 34 / 38 / 42	4	9	± 5	0536 220	103.00
Set consists of 9 pairs, length 150 mm								
		10 - 42	10 / 14 / 18 / 22 / 26 30 / 34 / 38 / 42	4	9	± 5	0536 230	141.00
Set consists of 12 pairs, length 120 mm								
		14 - 40	14 / 16 / 18 / 20 22 / 24 / 26 / 28 30 / 32 / 35 / 40	10	12	± 5	0536 201	391.00
Set consists of 14 pairs, length 150 mm								
		14 - 50	14 / 16 / 18 / 20 22 / 24 / 26 / 28 30 / 32 / 35 / 40 45 / 50	10	14	± 5	0536 202	438.00
Set consists of 20 pairs, length 100 mm								
		2 - 24	5 / 10 / 15 / 20 6 / 11 / 16 / 21 7 / 12 / 17 / 22 8 / 13 / 18 / 23 9 / 14 / 19 / 24	2 3 4 5 6	20	± 5	0536 211	546.00
Set consists of 24 pairs, length 125 mm								
		8 - 42	11 / 16 / 21 / 26 / 31 / 36 13 / 18 / 23 / 28 / 33 / 38 15 / 20 / 25 / 30 / 35 / 40 17 / 22 / 27 / 32 / 37 / 42	8 10 12 14	24	± 5	0536 212	645.00
Set consists of 24 pairs, length 150 mm								
		8 - 42	11 / 16 / 21 / 26 / 31 / 36 13 / 18 / 23 / 28 / 33 / 38 15 / 20 / 25 / 30 / 35 / 40 17 / 22 / 27 / 32 / 37 / 42	8 10 12 14	24	± 5	0536 213	650.00

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0550 Machine levels



DIN 877

Model

- DIN 877
- V-groove in the base
- Longitudinal level grinded and graduated
- Transverse level
- Thermally insulated

Delivery

- Case

Length mm	Order no.	List price EUR
Reading 0.02 mm/m		
160	0550 021	282.00
200	0550 022	309.00
250	0550 023	337.00
300	0550 024	365.00
Reading 0.1 mm/m		
160	0550 101	199.00
200	0550 102	227.00
250	0550 103	255.00
300	0550 104	282.00
Reading 0.3 mm/m		
160	0550 131	155.00
200	0550 132	182.00
250	0550 133	209.00
300	0550 134	237.00

0556 Frame levels



DIN 877

Model

- DIN 877
- V-grooves on 3 sides
- Longitudinal level
- Grinded and graduated
- Transverse level
- Thermally insulated

Delivery

- Case

Dimensions mm	Order no.	List price EUR
Reading 0.02 mm/m		
150 x 150	0556 022	542.00
200 x 200	0556 023	619.00
300 x 300	0556 024	872.00
Reading 0.1 mm/m		
100 x 100	0556 101	332.00
150 x 150	0556 102	387.00
200 x 200	0556 103	485.00
300 x 300	0556 104	773.00

0563 Magnetic angle gauge



Model

- Centre punch
- Dial face 360°
- Magnetic 90° splayed base

Delivery

- Cardboard box

Order no.	List price EUR
0563 001	417.00

0580 Combined lathe and thread cutting gauge



Model

- Special steel
- Cuts for trapezoidal (Acme), Whitworth and metric threads

Dimensions mm	Measuring range in °	Order no.	List price EUR
90 x 40 x 2	40-80°	0580 101	7.40

0580 Combined lathe and thread cutting gauge



Model

- Special steel
- Cuts for trapezoidal (Acme), Whitworth and metric threads
- With clearance angle

Dimensions mm	Measuring range in °	Order no.	List price EUR
90 x 40 x 2	0-30° and 40-80°	0580 111	10.70

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0580 Combined lathe and thread cutting gauge



Model

- Special steel
- For square threads and trapezoidal threads, Whitworth and metric threads

Dimensions mm	Order no.	List price EUR
90 x 40 x 2	0580 121	7.50

0580 Universal thread cutting gauge



Model

- Special steel
- For V-threads and square threads

Dimensions mm	Order no.	List price EUR
60 x 25 x 2	0580 151	3.10

0595 ACME Thread gauge



Model

- Special steel
- Cuts for trapezoidal threads

Dimensions mm	Type of thread	Order no.	List price EUR
60 x 20 x 2	Trapezoidal threads	0595 130	3.10

0595 Thread cutting gauge



Model

- Special steel
- Cuts for Whitworth or metric threads

Dimensions mm	Type of thread	Order no.	List price EUR
Metric ISO - threads 60°			
74 x 24 x 2	Whitworth-thread	0595 142	2.70
Whithworth - threads 55°			
74 x 24 x 2	Whitworth-thread	0595 140	2.70

0581 DIN thread conversion and fit slide rules



0581 101

Model

- For reading the most important theoretical dimensions of thread tolerance



0581 123

⋈		Description	Order no.	List price EUR
Aluminium anodized				
		Fine thread slide rule	0581 101	21.60
		DIN thread slide rule	0581 103	14.60
		DIN fit slide rule	0581 105	20.00
Plastic				
		DIN thread slide rule	0581 123	10.50
		DIN fit slide rule	0581 125	9.20

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0582 ISO thread converter - Filetor



Model

- For direct reading of all standard information for determining of threads
- Plastic housing

Dimensions mm	Order no.	List price EUR
60 x 30 x 110	0582 110	66.00

0582 ISO tolerance indicator - Tolerator



Model

- For direct reading of all standard information of all ISO-tolerance values
- Plastic housing

Dimensions mm	Order no.	List price EUR
60 x 30 x 110	0582 120	66.00

0582 mm/inch converter



Model

- Direct reading of inch to millimeter conversion
- Plastic housing

Dimensions mm	Order no.	List price EUR
60 x 30 x 110	0582 130	66.00

6

0589 Profile gauge



Model

- Spring pins
- Pin-dia. 1.0 mm

⋈		Dimensions mm	Order no.	List price EUR
		154 x 85	0589 101	16.90
		350 x 150	0589 103	52.00

0590 Twist drill grindling gauge



Model

- Special steel
- For twist drills
- Acute angle of 118°

⋈		Max dia. mm	Order no.	List price EUR
		50	0590 101	1.80

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0590 Universal grinding gauge



Model

- Special steel
- Scales in mm graduation
- Angles 120°, 120°, 90°, 60° and 55°

Dimensions mm	Order no.	List price EUR
95 x 63 x 2	0590 151	3.40

0595 Welding gauge blank

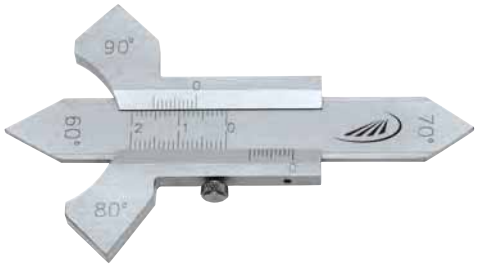


Model

- Special steel
- Pure
- For easy testing of fillet weld thicknesses of rectangular parts

For measuring range mm	Order no.	List price EUR
3 - 12	0595 110	13.20

0595 Welding gauge



Ausführung

- Special steel
- Locking screw
- Angel 60°, 70°, 80° and 90°
- to measure the height of flat welds and fillet weld thicknesses

For measuring range mm	Reading mm	Order no.	List price EUR
20 mm	0,10	0595 101	21.20

0595 Welding gauge blank

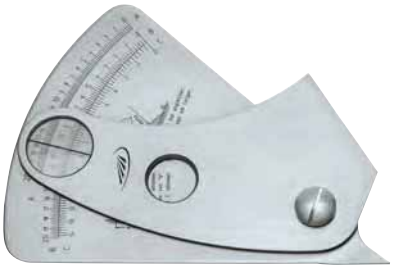


Model

- Aluminium
- Pure, for fast reading of the weld dimensions

For measuring range mm	Order no.	List price EUR
0 - 5	0595 115	3.80

0595 Welding gauge



Model

- Stainless steel
- Reading accuracy 0.2 mm
- Easy to read the result due to the reference line in the reading window
- Quick and easy inspection of welding seam heights

Dimensions mm	Order no.	List price EUR
108 x 81.5 x 3.2	0595 251	91.00

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0597 Radius gauge





Model

- To determine radius size work-pieces
- Stainless steel
- Reading parts are satin chrome finished

Delivery

- Wooden case
- Interchangeable blade: 45°

Measuring range mm	Reading mm	Order no.	List price EUR
0 - 10	0.10	0597 305	175.00

0597 Chamfer gauge





Model

- Stainless steel
- Reading parts are satin chrome finished
- For simultaneously testing of the chamfer angle and the dimensional accuracy
- Dimensions: 48 x 30 x 8.5 mm

Delivery

- Wooden case
- 3 interchangeable blades: 30°, 45°, 60°

Measuring range mm	Reading mm	Order no.	List price EUR
0 - 10	0.10	0597 301	175.00

0600 Tapered hole gauges



0600 101



0600 111

Model

- Reading 0.1 mm

Measuring range mm	Order no.	List price EUR
Special steel, flat		
1 - 15	0600 101	25.80
15 - 30	0600 102	32.30
30 - 45	0600 103	34.60
Hardened stainless steel, satin chrome finished, round, knurled handle		
1 - 6	0600 111	55.00
4 - 15	0600 112	73.00
15 - 30	0600 113	152.00
30 - 45	0600 114	237.00
45 - 60	0600 115	380.00

0598 Tapered hole gauges



0598 601

Model

- Special steel
- Reading parts matted

⋈		Measuring range mm	Reading mm	Order no.	List price EUR
Special steel					
		0.5 - 7.0	0.10	0598 103	48.80
		2.0 - 7.0	0.10	0598 105	48.80
Plastic					
		0.5 - 11	0.10	0598 601	48.80

0599 Nozzle / small hole gauges

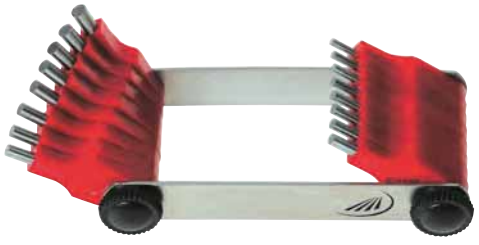


Model

- Special steel
- Cone 1:10
- Nickel plated housing

⋈		Measuring range mm	Reading mm	Order no.	List price EUR
		0 - 5	0.01	0599 102	59.00

0599 Nozzle gauges



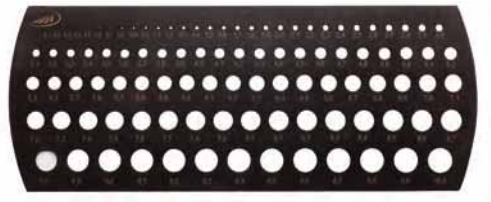
Model

- With steel pins
- Plastic handle
- Manufacturing tolerance ± 0.01 mm

⋈		Measuring range mm	Increment mm	Number of pairs	Order no.	List price EUR
		0.45 - 1.5	0.05	20	0599 151	7.10
		1.5 - 3.0	0.1	16	0599 152	7.10

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0601 Drill and steel wire hole gauges (millimeter)



Model

- Special steel, nitrided

Measuring range mm	Increment mm	Order no.	List price EUR
0.1 - 10	0.1	0601 103	91.00
3.0 - 10	0.1	0601 120	69.00

0604 Radius gauges



Model

- Concave and convex
- Locking nut
- Milled finish

Measuring range mm	Number of blades	Order no.	List price EUR
Special steel			
1.0 - 7.0	17	0604 002	6.80
7.5 - 15	16	0604 004	7.50
15.5 - 25	15	0604 006	7.50
Stainless steel			
1.0 - 7.0	17	0604 202	9.00
7.5 - 15	16	0604 204	11.10
15.5 - 25	15	0604 206	11.10

0605 Screw pitch gauges



⋈		Measuring range mm	Number of blades	Description	Order no.	List price EUR
		0.25 - 6.0	24	Metric threads according to ISO	0605 101	2.50
		0.40 - 7.0	20	Combined metric threads according to SI System	0605 102	2.30
		4.00 - 62.0	28	Whitworth threads according to DIN	0605 103	2.30
		8.00 - 28.0	6	Whitworth pipe threads	0605 104	2.30
		0.40 - 7.0 / 4.0 - 62.0	48	Combined metric SI and Whitworth threads	0605 105	3.40
		0.25 - 6.0 / 4.0 - 62.0	52	Combined metric and Whitworth threads	0605 106	3.60
		0.25 - 6.0 / 4.0 - 62.0 / 8.0 - 28.0	58	Metric Whitworth and pipe threads	0605 107	5.10
		4.00 - 42.0	30	US – threads	0605 108	3.00
		10.0 - 40.0	14	US - threads SAE	0605 109	3.20
		4.00 - 64.0	22	UNC – threads	0605 110	3.00
		12.0 - 80.0	16	UNF – threads	0605 111	3.00
		4.00 - 26.0	20	BSF – threads	0605 112	3.40

0606 / 0607 Feeler gauges



0606 121



0607 201



0607 401

Model

- Conical blades
- Width 10mm
- Blade length 100 mm
- Locking nut

⋈		Measuring range mm	Number of blades	Order no.	List price EUR
Spring band steel					
		0.03 - 0.1	8	0606 121	1.60
		0.05 - 0.5	8	0606 123	1.60
		0.05 - 1.0	13	0606 127	1.60
		0.05 - 1.0	20	0606 130	2.50
		0.1 - 0.5	21	0606 132	3.00
		0.05 - 2.0	21	0606 133	5.60
		0.03 - 1.0	32	0606 136	5.10
Stainless spring band steel					
		0.05 - 0.5	8	0607 201	3.90
		0.05 - 1.0	13	0607 202	6.10
		0.05 - 1.0	20	0607 203	8.80
Brass (anti-magnetic)					
		0.05 - 0.5	8	0607 401	6.60
		0.05 - 1.0	13	0607 402	8.10
		0.05 - 1.0	20	0607 403	11.60

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0606 Feeler gauges, long version



Model

- Cylindrical blades
- Width 13 mm

Measuring range mm	Length mm	Number of blades	Order no.	List price EUR
0.05 - 0.5	150	8	0606 150	3.40
0.05 - 0.5	200	8	0606 152	4.10
0.05 - 0.5	300	8	0606 154	5.90
0.05 - 1.0	200	13	0606 160	8.90
0.05 - 1.0	300	13	0606 162	10.20
0.05 - 1.0	200	20	0606 170	10.70
0.05 - 1.0	300	20	0606 172	13.50
0.1 - 2.0	200	20	0606 176	17.90
0.1 - 2.0	300	20	0606 178	26.20

0608 Feeler gauges, accuracy grade T3



Model

- Conical blades
- Width 10 mm

Measuring range mm	Number of blades	Order no.	List price EUR
0.1 - 0.4	6	0608 140	1.90
0.05 - 1.0	13	0608 143	4.60
0.05 - 1.0	20	0608 144	7.20
0.03 - 1.0	32	0608 149	16.60

0612 Feeler gauge tapes in single boxes - INOX



Model

- Stainless steel
- Width 12.7 mm
- Length 5 m
- Tape from 0.08 mm upwards marked with dimension

Delivery

- Plastic box

⋈	◪	Nominal size mm	Order no.	List price EUR
		0.01	0612 501	45.00
		0.02	0612 502	34.50
		0.03	0612 503	15.00
		0.04	0612 504	15.00
		0.05	0612 505	13.00
		0.06	0612 506	11.00
		0.07	0612 507	11.00
		0.08	0612 508	11.00
		0.09	0612 509	11.00
		0.10	0612 510	11.00
		0.12	0612 512	11.00
		0.15	0612 515	11.00
		0.18	0612 518	11.00
		0.20	0612 520	11.00
		0.25	0612 525	11.00

0612 Set of feeler gauge tapes in wallholder - INOX



Model

- Refillable with selected feeler gauges
- Wall holder made of steel, gloss coated
- With size labels

Delivery

- With holder and mounting fittings

⋈	◪	Dimensions mm	Measuring range mm	Number of boxes	Order no.	List price EUR
		330 x 100 x 110	0.01 - 0.25	15	0612 180	252.00

0611 Accessories for feeler gauge tapes



0611 195



0611 197



0611 198

⋈	◪	Description	Dimensions mm	Order no.	List price EUR
		Holder for feeler gauge tape	125 x 17	0611 195	3.00
		Wallholder for 0.01 - 0.25 mm	330 x 100 x 110	0611 197	39.00
		Wallholder for 0.3 - 1.0 mm	330 x 210 x 220	0611 198	59.00

◪ Marked ▪ = excess length/excess weight ⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0611 Feeler gauge tapes in single boxes



Model

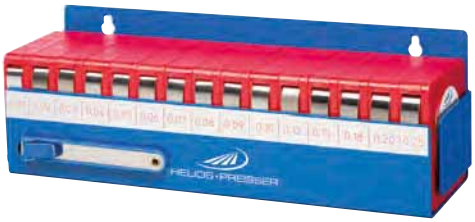
- Hardened carbon steel
- Width 12.7 mm
- Length 5 m
- Tape from 0.08 mm upwards marked with dimension

Delivery

- Plastic box

Nominal size mm	Order no.	List price EUR
0.005	0611 300	79.00
0.01	0611 501	45.00
0.02	0611 502	34.50
0.03	0611 503	13.00
0.04	0611 504	13.00
0.05	0611 505	11.00
0.06	0611 506	9.50
0.07	0611 507	9.50
0.08	0611 508	9.50
0.09	0611 509	9.50
0.10	0611 510	9.50
0.12	0611 512	9.50
0.15	0611 515	9.50
0.18	0611 518	9.50
0.20	0611 520	9.50
0.25	0611 525	9.50
0.30	0611 530	9.50
0.35	0611 535	11.00
0.40	0611 540	11.00
0.45	0611 545	11.00
0.50	0611 550	11.00
0.55	0611 552	16.50
0.60	0611 554	16.50
0.65	0611 556	16.50
0.70	0611 558	16.50
0.75	0611 560	16.50
0.80	0611 562	16.50
0.85	0611 564	16.50
0.90	0611 566	17.50
0.95	0611 568	17.50
1.0	0611 570	17.50

0611 Set of feeler gauge tapes in wallholder



Model

- Refillable with selected feeler gauges
- Wall holder made of steel, gloss coated
- With size labels

Delivery

- With holder and mounting fittings

Dimensions mm	Measuring range mm	Number of boxes	Order no.	List price EUR
330 x 100 x 110	0.01 - 0.25	15	0611 180	231.00
330 x 210 x 220	0.3 - 1.0	15	0611 190	251.00

0613 Precision reference sheets



0613 607 0613 709 0613 812

Nominal size	Carbon steel, 50 x 300 mm, 10 pieces		Stainless steel, 100 x 500 mm, 5 pieces		Stainless steel, 150 x 500 mm, 5 pieces	
	Order no.	List price EUR	Order no.	List price EUR	Order no.	List price EUR
mm						
0.01	0613 607	68.00				
0.02	0613 609	36.70	0613 709	51.00		
0.025					0613 812	56.00
0.03	0613 614	25.80				
0.04	0613 616	25.80				
0.05	0613 618	25.80	0613 718	30.60	0613 818	45.50
0.06	0613 620	17.60				
0.07	0613 622	17.60				
0.075					0613 824	45.50
0.08	0613 626	17.60				
0.09	0613 628	17.60				
0.10	0613 630	18.20	0613 730	28.70	0613 830	43.10
0.12	0613 632	18.20				
0.15	0613 634	18.20	0613 734	28.70	0613 834	43.10
0.18	0613 636	18.20				
0.20	0613 638	18.20	0613 738	36.20	0613 838	54.00
0.25	0613 640	18.20			0613 840	54.00
0.30	0613 642	18.20	0613 742	36.20	0613 842	54.00
0.35	0613 644	20.20				
0.40	0613 646	20.20	0613 746	40.80	0613 846	63.00
0.45	0613 648	20.20				
0.50	0613 650	20.20	0613 750	46.70	0613 850	73.00
0.60	0613 652	32.30	0613 752	56.00		
0.70	0613 654	32.30	0613 754	56.00		
0.80	0613 656	32.30	0613 756	68.00		
0.90	0613 658	32.30	0613 758	68.00		
1.00	0613 660	32.30	0613 760	75.00	0613 860	118.00

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0613 Feeler gauge tapes



Nominal size	Carbon steel, width 25 mm length 5 m		Carbon steel, width 50 mm length 5 m		Stainless steel, width 100 mm length 5 m		Stainless steel, width 150 mm length 5 m	
	Order no.	List price EUR	Order no.	List price EUR	Order no.	List price EUR	Order no.	List price EUR
mm								
0.01	0613 107	68.00	0613 207	98.00				
0.02	0613 109	36.70	0613 209	53.00	0613 309	94.00		
0.025							0613 412	107.00
0.03	0613 114	25.80	0613 214	37.10				
0.04	0613 116	25.80	0613 216	37.10				
0.05	0613 118	25.80	0613 218	37.10	0613 318	56.00	0613 418	86.00
0.06	0613 120	17.60	0613 220	25.30				
0.07	0613 122	17.60	0613 222	25.30				
0.075							0613 424	86.00
0.08	0613 126	17.60	0613 226	25.30				
0.09	0613 128	17.60	0613 228	25.30				
0.10	0613 130	18.20	0613 230	26.30	0613 330	53.00	0613 430	82.00
0.12			0613 232	26.30				
0.15	0613 134	18.20	0613 234	26.30	0613 334	53.00	0613 434	82.00
0.18			0613 236	26.30				
0.20	0613 138	18.20	0613 238	26.30	0613 338	68.00	0613 438	103.00
0.25			0613 240	26.30			0613 440	103.00
0.30	0613 142	18.20	0613 242	26.30	0613 342	68.00	0613 442	103.00
0.35			0613 244	28.70				
0.40	0613 146	20.20	0613 246	28.70	0613 346	77.00	0613 446	114.00
0.45			0613 248	28.70				
0.50	0613 150	20.20	0613 250	28.70	0613 350	88.00	0613 450	133.00
0.60	0613 152	32.30	0613 252	46.70	0613 352	105.00		
0.70	0613 154	32.30	0613 254	46.70	0613 354	105.00		
0.80	0613 156	32.30	0613 256	46.70	0613 356	126.00		
0.90	0613 158	32.30	0613 258	46.70	0613 358	126.00		
1.00	0613 160	32.30	0613 260	46.70	0613 360	144.00		

0609 8 piece gauge set



Model

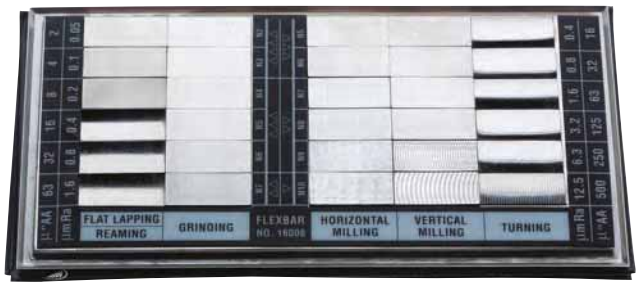
- Universal grinding gauge – thickness 2 mm, scales in mm graduation, angles 120°, 118°, 90°, 60° and 55°, special steel
- Welding gauge – measuring range 20 mm, reading 0.1 mm, locking screw, special steel
- Radius gauge – 17 blades, concave and convex, locking nut, stainless steel, measuring range 1.0 – 7.0 mm
- Radius gauge –16 blades, concave and convex, locking nut, stainless steel, measuring range 7.5 – 15.0 mm
- Radius gauge –15 blades, concave and convex, locking nut, stainless steel, measuring range 15.5 – 25.0 mm
- Screw pitch gauge – 24 blades, for metric threads according to ISO, range 0.25 – 6.0 mm
- Screw pitch gauge – 28 blades, for Whitworth threads according to DIN, range 4.0 - 62.0 mm
- Feeler gauge - 20 conical blades, length 100 mm, range 0.05 - 1.00, stainless steel, locking nut

Delivery

- Wooden box set

	Order no.	List price EUR
	0609 190	82.00

0584 Comparative surface roughness standards



Model

- 6 manufacturing processes
- 30 comparative standards

Delivery

- Plastic case

	Order no.	List price EUR
	0584 101	317.00

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0623 Individual steel gauge blocks, tolerance class 0



Model

- EN ISO 3650
- Special steel, hardened

Nominal size mm	Order no.	List price EUR
0.5	0623 100	42.20
1.0	0623 102	35.70
1.10	0623 170	35.70
1.20	0623 220	35.70
1.30	0623 270	35.70
1.40	0623 320	35.70
1.50	0623 370	35.70
1.60	0623 375	35.70
1.70	0623 380	35.70
1.80	0623 385	35.70
1.90	0623 390	35.70
2.00	0623 395	35.70
2.50	0623 400	37.90
3.00	0623 405	37.90
3.50	0623 410	37.90
4.00	0623 415	37.90
4.50	0623 420	37.90
5.00	0623 425	37.90
5.50	0623 430	37.90
6.00	0623 435	37.90
6.50	0623 440	37.90
7.00	0623 445	37.90
7.50	0623 450	37.90
8.00	0623 455	37.90
8.50	0623 460	37.90
9.00	0623 465	37.90
9.50	0623 470	37.90
10.00	0623 475	45.40
11.00	0623 500	45.40

Nominal size mm	Order no.	List price EUR
12.00	0623 510	45.40
13.00	0623 520	45.40
14.00	0623 530	45.40
15.00	0623 540	45.40
16.00	0623 550	45.40
17.00	0623 560	45.40
18.00	0623 570	45.40
19.00	0623 580	45.40
20.00	0623 590	45.40
21.00	0623 600	45.40
22.00	0623 610	45.40
23.00	0623 620	45.40
24.00	0623 630	45.40
25.00	0623 640	45.40
30.00	0623 650	54.00
40.00	0623 670	54.00
50.00	0623 680	54.00
60.00	0623 690	54.00
70.00	0623 700	54.00
80.00	0623 710	67.00
90.00	0623 720	67.00
100.00	0623 730	80.00
125.00	0623 740	283.00
150.00	0623 750	283.00
175.00	0623 760	283.00
200.00	0623 770	338.00
300.00	0623 780	482.00
400.00	0623 790	626.00
500.00	0623 800	866.00

0624 Individual steel gauge blocks, tolerance class 1



Model

- EN ISO 3650
- Special steel, hardened

Nominal size mm	Order no.	List price EUR
0.5	0624 100	28.10
1.0	0624 102	23.90
1.001	0624 104	23.90
1.002	0624 106	23.90
1.003	0624 108	23.90
1.004	0624 110	23.90
1.005	0624 112	23.90
1.006	0624 114	23.90
1.007	0624 116	23.90
1.008	0624 118	23.90
1.009	0624 120	23.90
1.01	0624 122	23.90
1.02	0624 130	23.90
1.03	0624 135	23.90
1.04	0624 140	23.90
1.05	0624 145	23.90
1.06	0624 150	23.90
1.07	0624 155	23.90
1.08	0624 160	23.90
1.09	0624 165	23.90
1.10	0624 170	23.90
1.11	0624 175	23.90
1.12	0624 180	23.90
1.13	0624 185	23.90
1.14	0624 190	23.90
1.15	0624 195	23.90
1.16	0624 200	23.90
1.17	0624 205	23.90
1.18	0624 210	23.90
1.19	0624 215	23.90
1.20	0624 220	23.90
1.21	0624 225	23.90
1.22	0624 230	23.90
1.23	0624 235	23.90
1.24	0624 240	23.90
1.25	0624 245	23.90
1.26	0624 250	23.90
1.27	0624 255	23.90
1.28	0624 260	23.90
1.29	0624 265	23.90

Nominal size mm	Order no.	List price EUR
1.30	0624 270	23.90
1.31	0624 275	23.90
1.32	0624 280	23.90
1.33	0624 285	23.90
1.34	0624 290	23.90
1.35	0624 295	23.90
1.36	0624 300	23.90
1.37	0624 305	23.90
1.38	0624 310	23.90
1.39	0624 315	23.90
1.40	0624 320	23.90
1.41	0624 325	23.90
1.42	0624 330	23.90
1.43	0624 335	23.90
1.44	0624 340	23.90
1.45	0624 345	23.90
1.46	0624 350	23.90
1.47	0624 355	23.90
1.48	0624 360	23.90
1.49	0624 365	23.90
1.50	0624 370	23.90
1.60	0624 375	23.90
1.70	0624 380	23.90
1.80	0624 385	23.90
1.90	0624 390	23.90
2.00	0624 395	23.90
2.50	0624 400	24.90
3.00	0624 405	24.90
3.50	0624 410	24.90
4.00	0624 415	24.90
4.50	0624 420	24.90
5.00	0624 425	24.90
5.50	0624 430	24.90
6.00	0624 435	24.90
6.50	0624 440	24.90
7.00	0624 445	24.90
7.50	0624 450	24.90
8.00	0624 455	24.90
8.50	0624 460	24.90
9.00	0624 465	24.90

Nominal size mm	Order no.	List price EUR
9.50	0624 470	24.90
10.00	0624 475	30.30
11.00	0624 500	30.30
12.00	0624 510	30.30
13.00	0624 520	30.30
14.00	0624 530	30.30
15.00	0624 540	30.30
16.00	0624 550	30.30
17.00	0624 560	30.30
18.00	0624 570	30.30
19.00	0624 580	30.30
20.00	0624 590	30.30
21.00	0624 600	30.30
22.00	0624 610	30.30
23.00	0624 620	30.30
24.00	0624 630	30.30
25.00	0624 640	30.30
30.00	0624 650	35.70
35.00	0624 660	35.70
40.00	0624 670	35.70
50.00	0624 680	35.70
60.00	0624 690	35.70
70.00	0624 700	35.70
80.00	0624 710	44.40
90.00	0624 720	44.40
100.00	0624 730	53.00
125.00	0624 740	172.00
150.00	0624 750	172.00
175.00	0624 760	172.00
200.00	0624 770	204.00
300.00	0624 780	293.00
400.00	0624 790	379.00
500.00	0624 800	525.00

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0625 Individual steel gauge blocks, tolerance class 2



Model

- EN ISO 3650
- Special steel, hardened

Nominal size mm	Order no.	List price EUR
0.5	0625 100	22.70
1.0	0625 102	19.50
1.001	0625 104	19.50
1.002	0625 106	19.50
1.003	0625 108	19.50
1.004	0625 110	19.50
1.005	0625 112	19.50
1.006	0625 114	19.50
1.007	0625 116	19.50
1.008	0625 118	19.50
1.009	0625 120	19.50
1.01	0625 122	19.50
1.02	0625 130	19.50
1.03	0625 135	19.50
1.04	0625 140	19.50
1.05	0625 145	19.50
1.06	0625 150	19.50
1.07	0625 155	19.50
1.08	0625 160	19.50
1.09	0625 165	19.50
1.10	0625 170	19.50
1.11	0625 175	19.50
1.12	0625 180	19.50
1.13	0625 185	19.50
1.14	0625 190	19.50
1.15	0625 195	19.50
1.16	0625 200	19.50
1.17	0625 205	19.50
1.18	0625 210	19.50
1.19	0625 215	19.50
1.20	0625 220	19.50
1.21	0625 225	19.50
1.22	0625 230	19.50
1.23	0625 235	19.50
1.24	0625 240	19.50
1.25	0625 245	19.50
1.26	0625 250	19.50
1.27	0625 255	19.50
1.28	0625 260	19.50
1.29	0625 265	19.50

Nominal size mm	Order no.	List price EUR
1.30	0625 270	19.50
1.31	0625 275	19.50
1.32	0625 280	19.50
1.33	0625 285	19.50
1.34	0625 290	19.50
1.35	0625 295	19.50
1.36	0625 300	19.50
1.37	0625 305	19.50
1.38	0625 310	19.50
1.39	0625 315	19.50
1.40	0625 320	19.50
1.41	0625 325	19.50
1.42	0625 330	19.50
1.43	0625 335	19.50
1.44	0625 340	19.50
1.45	0625 345	19.50
1.46	0625 350	19.50
1.47	0625 355	19.50
1.48	0625 360	19.50
1.49	0625 365	19.50
1.50	0625 370	19.50
1.60	0625 375	19.50
1.70	0625 380	19.50
1.80	0625 385	19.50
1.90	0625 390	19.50
2.00	0625 395	19.50
2.50	0625 400	19.50
3.00	0625 405	19.50
3.50	0625 410	19.50
4.00	0625 415	19.50
4.50	0625 420	19.50
5.00	0625 425	19.50
5.50	0625 430	19.50
6.00	0625 435	19.50
6.50	0625 440	19.50
7.00	0625 445	19.50
7.50	0625 450	19.50
8.00	0625 455	19.50
8.50	0625 460	19.50
9.00	0625 465	19.50

Nominal size mm	Order no.	List price EUR
9.50	0625 470	19.50
10.00	0625 475	23.90
11.00	0625 500	23.90
12.00	0625 510	23.90
13.00	0625 520	23.90
14.00	0625 530	23.90
15.00	0625 540	23.90
16.00	0625 550	23.90
17.00	0625 560	23.90
18.00	0625 570	23.90
19.00	0625 580	23.90
20.00	0625 590	23.90
21.00	0625 600	23.90
22.00	0625 610	23.90
23.00	0625 620	23.90
24.00	0625 630	23.90
25.00	0625 640	23.90
30.00	0625 650	28.10
35.00	0625 660	28.10
40.00	0625 670	28.10
50.00	0625 680	28.10
60.00	0625 690	28.10
70.00	0625 700	28.10
80.00	0625 710	35.70
90.00	0625 720	35.70
100.00	0625 730	42.20
125.00	0625 740	138.00
150.00	0625 750	138.00
175.00	0625 760	138.00
200.00	0625 770	147.00
300.00	0625 780	232.00
400.00	0625 790	273.00
500.00	0625 800	357.00

0633 Gauge block holders with rapid adjustment



⋈		Measuring range mm	Order no.	List price EUR
		0 - 50	0633 136	182.00
		0 - 100	0633 137	208.00
		0 - 200	0633 138	250.00
		100 - 200	0633 139	229.00
		100 - 300	0633 140	271.00
		200 - 400	0633 141	313.00
		300 - 500	0633 142	354.00
		400 - 600	0633 143	386.00
		500 - 800	0633 144	448.00
		800 - 1000	0633 145	625.00

0633 Radiused measuring jaws with cylindrical shoulders / pair



⋈		Nominal size mm	Measuring depth mm	Order no.	List price EUR
		4	8	0633 150	214.00
		10	15	0633 151	214.00
		16	20	0633 152	229.00
		20	40	0633 153	281.00
		30	65	0633 154	396.00
		40	95	0633 155	516.00

0633 Plane / parallel jaws, pair

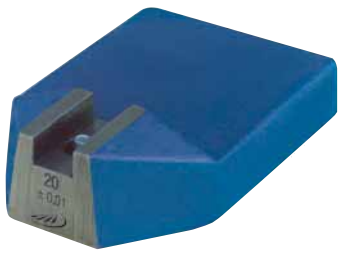


Model

- For external measurement

⋈		Dimensions mm	Order no.	List price EUR
For external measurements				
		100 x 9 x 20	0633 174	208.00
		125 x 9 x 20	0633 175	245.00
For internal and external measurements				
		100 x 9 x 20	0633 176	386.00
		125 x 9 x 20	0633 177	458.00

0633 Stand for gauge block holder



Model

- Special steel, hardened

⋈		Dimensions mm	Order no.	List price EUR
		103 x 70 x 27	0633 182	162.00

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0633 Gauge block maintenance set



Model

Set consists of:
- Linen cloth
- Chamois leather
- 1 jar of anti corrosion oil
- Oil stone
- Fine paint brush
- Broad paint brush
- User manual

Delivery

- Wooden case

Order no.	List price EUR
0633 001	314.00

0633 Steel gauge block inspection sets for micrometers



Model

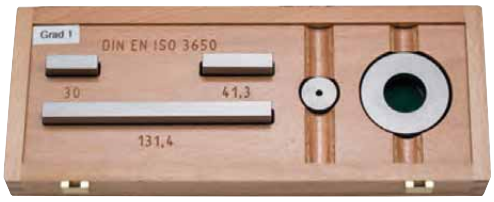
- EN ISO 3650
- Special steel, hardened
- Tolerance class 1

Delivery

- Wooden case

Max. nominal size mm	Order no.	List price EUR
10 pieces, excludes the optical flat		
2.5 / 5.1 / 7.7 / 10.3 / 12.9 / 15.0 / 17.6 / 20.2 / 22.8 / 25.0	0633 810	275.00
5 pieces with optical flat		
5.1 / 10.3 / 15.0 / 20.2 / 25.0	0633 805	339.00
8 pieces with optical flat		
5.1 / 10.3 / 15.0 / 20.2 / 25.0 / 50.0 / 75.0 / 100	0633 808	453.00

0633 Steel gauge block inspection set for calipers



Model

- EN ISO 3650
- Special steel, hardened
- Tolerance class 1
- Supplied with setting rings 4 mm and 25 mm

Delivery

- Wooden case

For measuring range mm	Max. nominal size mm	Order no.	List price EUR
3 pieces			
200	30.0 / 41.3 / 131.4	0633 833	563.00
4 pieces			
300	30.0 / 41.3 / 131.4 / 243.5	0633 834	751.00
6 pieces			
500	30.0 / 41.3 / 131.4 / 243.5 / 281.2 / 481.1	0633 836	1341.00
5 pieces			
1000	131.4 / 243.5 / 281.2 / 481.1 / 900	0633 838	2371.00

0633 Parallel steel gauge block sets



Model

- EN ISO 3650
- Special steel, hardened

Delivery

- Wooden case

⋈		Number of gauge blocks	Max. nominal size mm	Increment mm	Order no.	List price EUR
Tolerance class 0						
		103	1.005 1.01 - 1.49 0.5 - 24.5 25.0 - 100.0	- 0.01 0.5 25	0633 014	889.00
		87	1.001 - 1.009 1.01 - 1.49 0.5 - 9.5 10.0 - 100.0	0.001 0.01 0.5 10	0633 016	812.00
		47	1.005 1.01 - 1.09 1.11 - 1.19 1.1 - 1.9 1.0 - 9.0 10.0 - 100.0	- 0.01 0.01 0.1 1 10	0633 018	528.00
		32	1.005 1.01 - 1.09 1.1 - 1.9 1.0 - 9.0 10.0 - 30.0 50.0	- 0.01 0.1 1 10 -	0633 020	386.00
Tolerance class 1						
		103	1.005 1.01 - 1.49 0.5 - 24.5 25.0 - 100.0	- 0.01 0.5 25	0633 114	684.00
		87	1.001 - 1.009 1.01 - 1.49 0.5 - 9.5 10.0 - 100.0	0.001 0.01 0.5 10	0633 116	521.00
		47	1.005 1.01 - 1.09 1.11 - 1.19 1.1 - 1.9 1.0 - 9.0 10.0 - 100.0	- 0.01 0.01 0.1 1 10	0633 118	322.00
		32	1.005 1.01 - 1.09 1.1 - 1.9 1.0 - 9.0 10.0 - 30.0 50.0	- 0.01 0.1 1 10 -	0633 120	234.00

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0633 Parallel steel gauge block sets



Model

- EN ISO 3650
- Special steel, hardened

Delivery

- Wooden case

Number of gauge blocks	Max. nominal size mm	Increment mm	Order no.	List price EUR
Tolerance class 2				
103	1.005 1.01 - 1.49 0.5 - 24.5 25.0 - 100.0	- 0.01 0.5 25	0633 214	432.00
87	1.001 - 1.009 1.01 - 1.49 0.5 - 9.5 10.0 - 100.0	0.001 0.01 0.5 10	0633 216	341.00
47	1.005 1.01 - 1.09 1.11 - 1.19 1.1 - 1.9 1.0 - 9.0 10.0 - 100.0	- 0.01 0.01 0.1 1 10	0633 218	233.00
32	1.005 1.01 - 1.09 1.1 - 1.9 1.0 - 9.0 10.0 - 30.0 50.0	- 0.01 0.1 1 10 -	0633 220	154.00

0636 Pin gauge holder



Model

- Die cast
- With locking screw

⋈		Measuring range mm	Length mm	Order no.	List price EUR
		1 - 2	60	0636 392	13.20
		2 - 4	68	0636 393	15.10
		4 - 6	76	0636 394	28.70
		6 - 8	84	0636 395	36.80
		8 - 10	92	0636 396	42.40

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0636 Set of pin gauges



Model

- DIN 2269
- Made out of high quality gauge steel

Delivery

- Wooden case

DIN 2269

Length mm	Number of pins	Max. nominal size mm	Increment mm	Order no.	List price EUR
Special steel, hardened and aged - Tolerance class 1					
40	51	0.5 - 1.0	0.01	0636 301	812.00
70	21	1.0 - 2.0	0.05	0636 321	246.00
70	21	2.0 - 3.0	0.05	0636 322	246.00
70	21	3.0 - 4.0	0.05	0636 323	304.00
70	21	4.0 - 5.0	0.05	0636 324	304.00
70	21	5.0 - 6.0	0.05	0636 325	304.00
70	21	6.0 - 7.0	0.05	0636 326	371.00
70	21	7.0 - 8.0	0.05	0636 327	371.00
70	21	8.0 - 9.0	0.05	0636 328	371.00
70	21	9.0 - 10.0	0.05	0636 329	371.00
70	101	1.0 - 2.0	0.01	0636 341	1034.00
70	100	2.01 - 3.0	0.01	0636 342	1034.00
70	100	3.01 - 4.0	0.01	0636 343	1310.00
70	100	4.01 - 5.0	0.01	0636 344	1310.00
70	100	5.01 - 6.0	0.01	0636 345	1310.00
70	100	6.01 - 7.0	0.01	0636 346	1612.00
70	100	7.01 - 8.0	0.01	0636 347	1612.00
70	100	8.01 - 9.0	0.01	0636 348	1612.00
70	100	9.01 - 10.0	0.01	0636 349	1612.00
70	91	1.0 - 10.0	0.1	0636 351	1321.00
70	81	1.0 - 5.0	0.05	0636 352	1200.00
Special steel, hardened and aged - Tolerance class 2					
70	101	1.0 - 2.0	0.01	0636 372	723.00
70	100	2.01 - 3.0	0.01	0636 373	723.00
70	100	3.01 - 4.0	0.01	0636 374	952.00
70	100	4.01 - 5.0	0.01	0636 375	952.00
70	100	5.01 - 6.0	0.01	0636 376	952.00
70	100	6.01 - 7.0	0.01	0636 377	1153.00
70	100	7.01 - 8.0	0.01	0636 378	1308.00
70	100	8.01 - 9.0	0.01	0636 379	1308.00
70	100	9.01 - 10.0	0.01	0636 380	1308.00

0643 Snap gauge, double jaw



Model

- Dimensions 3 to 100 mm
- Gauge steel
- Hardened measuring faces
- Dimensions acc. DIN 2230
- Manufacturing tolerances: according to DIN 7163

Delivery

- Available on request
- Important: Please mention dimension and fit

0649 Adjustable snap gauges



Model

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

Delivery

- Cardboard box

⋈		Max. nominal size mm	Order no.	List price EUR
		0 - 6	0649 201	72.00
		6 - 13	0649 202	72.00
		13 - 19	0649 203	72.00
		19 - 26	0649 204	74.00
		26 - 32	0649 205	74.00
		32 - 38	0649 206	78.00
		38 - 44	0649 207	78.00
		44 - 51	0649 208	81.00
		51 - 57	0649 209	81.00
		57 - 64	0649 210	85.00

⋈		Max. nominal size mm	Order no.	List price EUR
		64 - 70	0649 211	85.00
		70 - 78	0649 212	93.00
		78 - 87	0649 213	93.00
		87 - 97	0649 215	103.00
		97 - 106	0649 216	118.00
		106 - 116	0649 217	118.00
		116 - 125	0649 219	141.00
		125 - 135	0649 220	183.00
		135 - 144	0649 222	210.00
		144 - 156	0649 223	210.00

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0656 Ring gauges



Model

- DIN 2250-1 (C)
- Hardened gauge steel
- For setting internal measuring instruments

DIN 2250-1

Nominal size mm	Order no.	List price EUR
3.0	0656 309	57.00
3.5	0656 310	50.00
4.0	0656 311	50.00
4.5	0656 312	50.00
5.0	0656 313	49.20
6.0	0656 314	47.90
7.0	0656 315	47.90
8.0	0656 316	47.90
9.0	0656 317	47.90
10.0	0656 318	47.90
11.0	0656 319	49.20
12.0	0656 320	50.00
12.5	0656 303	50.00
13.0	0656 321	51.00
14.0	0656 322	51.00
15.0	0656 323	52.00
16.0	0656 324	52.00
17.0	0656 325	53.00
17.5	0656 304	75.00
18.0	0656 326	53.00
19.0	0656 327	54.00
20	0656 328	56.00
21	0656 329	56.00
22	0656 330	56.00
23	0656 331	59.00
24	0656 332	60.00
25	0656 333	61.00
26	0656 334	63.00
27	0656 335	63.00
28	0656 336	64.00
30	0656 337	59.00
32	0656 338	67.00
33	0656 339	67.00
34	0656 340	68.00
35	0656 341	68.00
36	0656 342	69.00
37	0656 343	71.00
38	0656 344	72.00
40	0656 345	73.00
42	0656 346	77.00
44	0656 347	81.00
45	0656 348	83.00
46	0656 349	85.00
47	0656 350	88.00
48	0656 351	90.00
50	0656 352	93.00
52	0656 353	95.00
55	0656 354	104.00

Nominal size mm	Order no.	List price EUR
58	0656 355	108.00
60	0656 356	113.00
62	0656 357	116.00
65	0656 358	123.00
68	0656 359	132.00
70	0656 360	137.00
72	0656 361	142.00
75	0656 362	146.00
78	0656 363	154.00
80	0656 364	159.00
82	0656 365	168.00
85	0656 366	179.00
88	0656 367	191.00
90	0656 368	197.00
92	0656 369	205.00
95	0656 370	219.00
98	0656 371	229.00
100	0656 372	237.00
105	0656 373	248.00
110	0656 374	261.00
115	0656 375	272.00
120	0656 376	284.00
125	0656 377	297.00
130	0656 378	307.00
135	0656 379	320.00
140	0656 380	331.00
145	0656 381	343.00
150	0656 382	355.00
155	0656 383	388.00
160	0656 384	419.00
165	0656 385	450.00
170	0656 386	483.00
175	0656 387	516.00
180	0656 388	547.00
185	0656 389	580.00
190	0656 390	611.00
195	0656 391	644.00
200	0656 392	675.00
210	0656 393	712.00
220	0656 394	743.00
225	0656 305	893.00
230	0656 395	778.00
240	0656 396	813.00
250	0656 397	848.00
260	0656 398	883.00
270	0656 399	916.00
275	0656 306	983.00

0637 Plug gauges



Model

- Manufacturing tolerances: according to DIN 7150-2 and DIN 7164
- Fit H7
- All cylindrical
- Special dimensions with other tolerances are available upon request

⋈		Dimensions acc. to Din	Nominal size mm	Order no.	List price EUR
Gauge steel, hardened					
		2245-1	2	0637 103	31.10
		2245-1	2.2	0637 104	31.10
		2245-1	2.5	0637 105	31.10
		2245-1	2.8	0637 106	22.60
		2245-1	3	0637 107	22.60
		2245-1	3.5	0637 108	20.20
		2245-1	4	0637 109	20.20
		2245-1	4.5	0637 110	20.20
		2245-1	5	0637 111	19.10
		2245-1	6	0637 112	19.10
		2245-1	7	0637 113	20.20
		2245-1	8	0637 114	20.20
		2245-1	9	0637 115	21.60
		2245-1	10	0637 116	22.60
		2245-1	11	0637 117	22.60
		2245-1	12	0637 118	24.00
		2245-1	13	0637 119	25.10
		2245-1	14	0637 120	25.10
		2245-1	15	0637 121	25.80
		2245-1	16	0637 122	25.80
		2245-1	17	0637 123	27.00
		2245-1	18	0637 124	28.00
		2245-1	19	0637 125	28.00
		2245-1	20	0637 126	28.00
		2245-1	21	0637 127	29.50
		2245-1	22	0637 128	30.10
		2245-1	23	0637 129	31.10
		2245-1	24	0637 130	31.10
		2245-1	25	0637 131	32.30
		2245-1	26	0637 132	33.60
		2245-1	27	0637 133	33.60
		2245-1	28	0637 134	34.60
		2245-1	30	0637 135	34.60
		2245-1	32	0637 136	38.30

⋈		Dimensions acc. to Din	Nominal size mm	Order no.	List price EUR
		2245-1	33	0637 137	39.00
		2245-1	34	0637 138	40.10
		2245-1	35	0637 139	40.10
		2245-1	36	0637 140	41.10
		2245-1	37	0637 141	41.90
		2245-1	38	0637 142	43.10
		2245-1	40	0637 144	44.40
		2245-2	42	0637 146	45.70
		2245-2	43	0637 147	56.00
		2245-2	44	0637 148	49.20
		2245-2	45	0637 149	50.00
		2245-2	46	0637 150	51.00
		2245-2	47	0637 151	53.00
		2245-2	48	0637 152	54.00
		2245-2	50	0637 154	56.00
		2245-2	52	0637 155	59.00
		2245-2	55	0637 156	63.00
		2245-2	58	0637 157	67.00
		2245-2	60	0637 158	69.00
		2245-2	62	0637 159	73.00
		2245-2	65	0637 160	73.00
		2245-2	68	0637 161	80.00
		2245-2	70	0637 162	81.00
		2245-2	72	0637 163	83.00
		2245-2	75	0637 164	88.00
		2245-2	78	0637 165	92.00
		2245-2	80	0637 166	93.00
		2245-2	82	0637 167	95.00
		2245-2	85	0637 168	99.00
		2245-2	88	0637 169	104.00
		2245-2	90	0637 170	105.00
		2245-2	92	0637 171	108.00
		2245-2	95	0637 172	110.00
		2245-2	98	0637 173	114.00
		2245-2	100	0637 174	116.00

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0637 Plug gauge set



Model

- DIN 2245
- Hardened gauge steel
- GO and NO GO

Delivery

- Wooden box

DIN 2245

Number of gauges	ISO fit	Nominal size mm	Order no.	List price EUR
(3, 4, 5, 6, 8, 10, 12)				
7	H7	3 - 12	0637 190	148.00

PLUG GAUGES WITH SPECIAL DIMENSIONS

FAST DELIVERY

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and the price list on request
or directly online at
www.helios-preisser.de/en/downloads

Downloads

6

Custom-made according to **ISO Fits**



or according to your **Nominal size & tolerance**





DIN 2245-Z / Gauge steel / All cylindrical

0658 Thread plug gauges



DIN 2280

Model

- DIN 2280
- For standard metric ISO threads DIN 13
- Gauge steel, hardened

⋈		ISO Fit	Type of thread	Nominal size mm	Thread pitch mm	Order no.	List price EUR
		6H	M	3.0	0.50	0658 009	68.00
		6H	M	4.0	0.70	0658 011	64.00
		6H	M	5.0	0.80	0658 012	63.00
		6H	M	6.0	1.00	0658 013	60.00
		6H	M	8.0	1.25	0658 015	63.00
		6H	M	10.0	1.50	0658 017	67.00
		6H	M	12.0	1.75	0658 019	72.00

0658 Set of thread plug gauges



Delivery

- Wooden box

DIN 2280

⋈		Tolerance class	Type of thread	Max. nominal size mm	Order no.	List price EUR
(M3, M4, M5, M6, M8, M10, M12)						
		6H	M	M3 - M12	0658 090	252.00

0658 GO thread ring gauges



Model

- DIN 2285-1
- GO thread ring gauge
- For standard metric ISO threads DIN 13
- Hardened gauge steel

DIN 2285-1

⋈		ISO Fit	Type of thread	Nominal size mm	Thread pitch mm	Order no.	List price EUR
		6g	M	3.0	0.50	0658 509	53.00
		6g	M	4.0	0.70	0658 511	49.20
		6g	M	5.0	0.80	0658 512	49.20
		6g	M	6.0	1.00	0658 513	49.20
		6g	M	8.0	1.25	0658 515	50.00
		6g	M	10.0	1.50	0658 517	59.00
		6g	M	12.0	1.75	0658 519	69.00

Marked ▪ = excess length/excess weight Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

0658 NO GO thread ring gauges



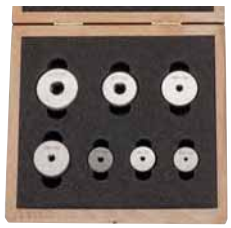
DIN 2299-1

Model

- DIN 2299-1
- NO GO thread ring gauge
- For standard metric ISO threads DIN 13
- Hardened gauge steel

ISO Fit	Type of thread	Nominal size mm	Thread pitch mm	Order no.	List price EUR
6g	M	3.0	0.50	0658 609	53.00
6g	M	4.0	0.70	0658 611	49.20
6g	M	5.0	0.8	0658 612	49.20
6g	M	6.0	1.0	0658 613	49.20
6g	M	8.0	1.25	0658 615	50.00
6g	M	10.0	1.5	0658 617	59.00
6g	M	12.0	1.75	0658 619	69.00

0658 Thread ring gauges GO



DIN 2285-1

Model

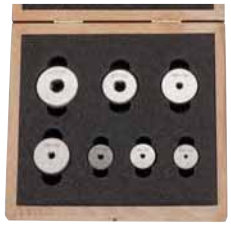
- 7-pieces
- Hardened gauge steel
- For standard metric ISO threads DIN 13
- Fit 6g

Delivery

- Wooden case

ISO Fit	Type of thread	Nominal size mm	Order no.	List price EUR
(M3, M4, M5, M6, M8, M10, M12)				
6g	M	3 - 12	0658 590	252.00

0658 Thread ring gauges NO GO



DIN 2299-1

Model

- 7-pieces
- Hardened gauge steel
- For standard metric ISO threads DIN 13

Delivery

- Wooden case

ISO Fit	Type of thread	Nominal size mm	Order no.	List price EUR
(M3, M4, M5, M6, M8, M10, M12)				
6g	M	3 - 12	0658 690	252.00

6

HELIOS · PREISSER

SAMPLES
DATA TRANSMISSION

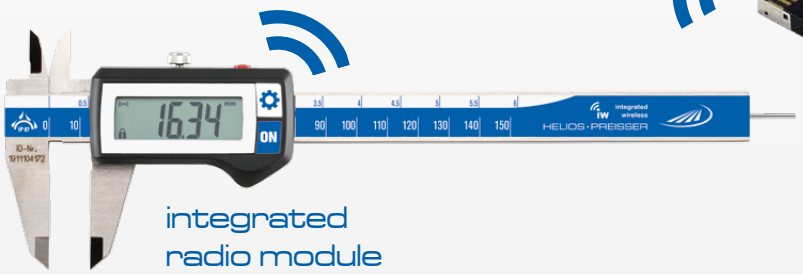
IW integrated wireless

NO CABLE
NO RADIO MODULE

Thanks to the integrated wireless system our measuring devices from series **i** offer simple data transmission without additional cables

Transmission of data directly to MS Excel® or into any application on Windows via keyboard interface

Receiver
i-Stick



integrated
radio module

1326i

DATA Variable

ONE INTERFACE
MANY OPTIONS





OUT **STANDARD** FOR
DATA TRANSMISSION
WITH CABLES

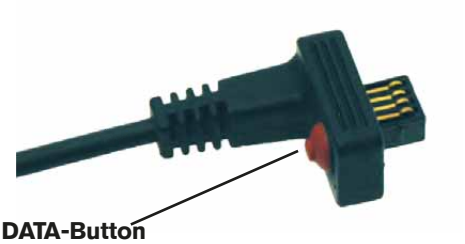
USB + RS 232 + DIGIMATIC

7. CHAPTER DATA TRANSMISSION

250	Data cables Data Variable / Software
251	Data cables Opto / BlueDat
252	Integrated Wireless

1998 / 1997 Data cable DATA VARIABLE

Our Interface: Data Variable



DATA-Button
To transfer the measured results

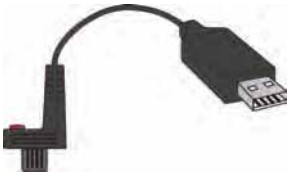
Possible connections



USB RS 232 Digimatic

Model

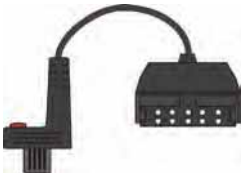
- Available for all DIGI-MET measuring instruments with a variable data output (DATA VARIABLE)
- Length 2 m
- With a data transfer button on the plug-in jack
- For use with MarCom Professional software to transfer the measured results to PC, laptop or workstation



1998 720



1997 501



1998 501

⋈		Description	Order no.	List price EUR
		Cable DataVariable for RS 232	1997 501	50.00
		Cable DataVariable for Digimatic	1998 501	64.00
		Cable DataVariable for USB	1998 720	72.00
Bidirectional (for suitable micrometers only)				
		Data cable bidirectional DataVariable to USB	1998 801	98.00
		Data cable bidirectional DataVariable to Digimatic	1998 802	85.00

1998 Software MarCom Professional

Model
Software for easy data aquisition, for all measuring instruments with variable data output (DATA VARIABLE) and integrated wireless (IW)

DOWNLOAD FOR FREE
www.helios-preisser.de

- Connection to more than 100 mearuring instruments with USB data cable possible
- Data transmission with virtual interface box MUX 50 format possible
- Connection of two serial COM-interfaces possible
- Several foot switches via USB connectable, the measuring instruments can be freely assigned
- USB Hubs connectable as measuring instrument interface
- Wireless data transfer with Integrated Wireless (IW) devices
- Wireless data transfer via *blue*DAT

System requirements

IBM AT compatible PC, MS Windows 7 / 8 / 10, USB-interface from version 2.0 MS EXCEL® from version 97

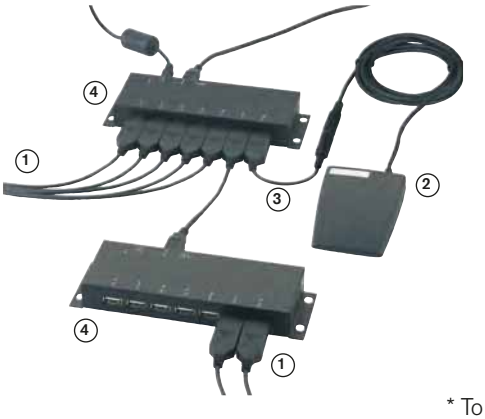
⋈		Description	Order no.
		MarCom Professional	1998 710

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1998 Accesories for data aquisition with MarCom

Example: possible measuring station setup



Model

1. USB-cable to devices
2. Foot switch with jack plug
3. USB-adapter-cable for foot switch
4. USB-hub for connecting several devices

Description	Order no.	List price EUR
Cable DataVariable for USB	**1998 720**	**72.00**
USB-adapter cable for foot switch	**1998 722**	**60.00**
USB-hub sevenfold with plug-in power supply	**1998 730**	**120.00**
Foot-switch* (length of the cable 2 m)	**1998 732**	**72.00**

* To connect to the MarCom, the USB-adapter cable Ref. No. 1998 722 is required

0996 Data cable opto



0996 701



0996 705

Description	Order no.	List price EUR
Cable Opto for RS232	**0996 701**	**77.00**
Cable Opto for USB	**0996 705**	**147.00**

1998 blueDAT - wireless data transmission (bluetooth)



1998 740



1998 742



1998 744



1998 746



1998 748

Model

Available for all DIGI-MET measuring instruments with a variable data output (DATA VARIABLE)

- Reach: approx. 10 m
- With a data transfer button on the plug-in jack

- USB receiver for use with MarCom Professional software to transfer the measured results to PC, laptop or workstation

Description	Order no.	List price EUR
***blue*DAT USB receiver**	**1998 740**	**101.00**
***blue*DAT for DATA Variable**	**1998 742**	**363.00**
***blue*DAT for RS 232 opto**	**1998 744**	**363.00**
***blue*DAT for RS 232 Proximity**	**1998 746**	**497.00**
***blue*DAT for RS 232 Power (Powered through cable)**	**1998 748**	**497.00**

1998 i-Stick USB-receiver for Integrated Wireless

integrated
iw wireless
Wireless Data Transmission







⋈		Number of channels	Frequency band MHz	Radio range	Number of i-Sticks per workspace	Number of devices max.	For measuring instruments	Order no.	List price Euro EUR
		3	2400	up to 6 meters	4	32 (8 per i-Stick)	1326i / 1371i / 1726i / 1734i / 1866i	1998 780	95.00

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

1998 i-Stick USB-receiver for Integrated Wireless



Description

- **Measurement without the nuisance of additional modules**: Unlike conventional wireless solutions, which have a large external transmitter with separate battery, the transmitter in Integrated Wireless is fully integrated.
- **Highly mobile**: Integrated Wireless gives you much more mobility. There is no cable to get in the way, either at the measuring station or when measuring on or at the machine or at large workpieces
- **Easy data transfer**: With Integrated Wireless you can transfer your measured values to the PC simply using the i-Stick. As with a data cable, the measured values are accepted via the MarCom software directly into MS Excel© or via a keyboard code into any Windows application
- **Reliable transfer**: With Integrated Wireless you can be sure that your data will arrive safely. Measuring instruments with Integrated Wireless display messages to confirm whether the transmitted data has been correctly transferred or whether you are within receiving range of the i-Stick receiver
- **Long battery life**: The integrated wireless interface makes the measuring instrument exceptionally energy-efficient. And unlike conventional wireless systems, no additional battery is required
- **Affordable**: With Integrated Wireless you can connect up to 8 measuring instruments per i-Stick receiver. Expensive interface boxes are no longer necessary. With even one connected measuring instrument you get a wireless connection for the price of a cable

HELIOS · PREISSER

CALIBRATIONS

Traceable calibration **certificates**
directly from the **expert**

Certificates are already **included**
for **selected products**

We are certified according to
DIN EN ISO 9001:2015





8. CHAPTER CALIBRATION SERVICE ORDER NUMBER INDEX AND KEYWORD INDEX

256	Calibration service
262	Order number index
276	Keyword index



Free initial calibration available with many of our products

All HELIOS-PREISSER measuring instruments with a ⋈ marked in the column (=Calibration), will undergo initial calibration and are supplied with a certificate at no extra charge! No separate order is required for these articles to be pre-calibrated on delivery. For all other gauges and measuring instruments and for subsequent calibration the following calibration services are offered. Testing is carried out in accordance with VDI / VDE / DGQ guidelines 26 ff.

Calibration service

Calipers / Depth gauges / Height gauges analogue or digital (1 graduation)

⋈		Max. measuring range mm	Order no.	List price EUR
		150	4310 110	12.40
		300	4310 115	22.10
		500	4310 120	37.40
		1000	4310 125	79.00
		2000	4310 130	109.00
		3000	4310 135	171.00

Micrometers according to DIN 863-1

⋈		Max. measuring range mm	Order no.	List price EUR
		25	4320 210	21.00
		100	4320 212	28.30
		200	4320 214	30.80
		300	4320 220	34.10
		500	4320 224	45.00
		1000	4320 228	62.00

Micrometers with interchangeable inserts including setting standard

⋈		Max. measuring range mm	Order no.	List price EUR
		100	4320 810	132.00
		200	4320 814	188.00
		300	4320 818	201.00
		400	4320 822	206.00
		500	4320 826	206.00
		600	4320 830	206.00
		700	4320 834	263.00
		800	4320 838	263.00
		900	4320 842	263.00
		1000	4320 846	263.00
		1200	4320 850	312.00
		1400	4320 854	312.00
		1600	4320 858	373.00
		1800	4320 862	373.00
		2000	4320 866	373.00

DAkkS Calibration for Calipers / Depth gauges analogue or digital (1 graduation)

⋈		Max. measuring range mm	Order no.	List price EUR
Pocket and workshop calipers				
		300	4380 110	35.70
		500	4380 112	49.00
		1000	4380 114	88.00
Depth gauges				
		300	4380 120	35.40
		500	4380 122	48.00
		1000	4380 124	88.00
Depth gauges with hook				
		300	4380 130	46.50
		500	4380 132	73.00
		1000	4380 134	89.00

DAkkS Calibration for micrometers according to DIN 863-1 analogue or digital (1 graduation)

⋈		Measuring range mm	Order no.	List price EUR
		0 - 25	4380 140	44.50
		0 - 100	4380 142	48.40

DAkkS Calibration for micrometer setting standards

⋈		Max. measuring range mm	Order no.	List price EUR
		500	4380 149	91.00

Setting standards for micrometers Tolerance zone js2

⋈		Max. measuring range mm	Order no.	List price EUR
		100	4329 010	7.50
		250	4329 026	17.20
		1000	4329 046	34.30

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

Calibration service

Indicators, analogue and digital
readings/resolution 0.01 and 0.001

Measuring span mm	Order no.	List price EUR
13	4360 210	26.10
30	4360 212	37.40
50	4360 214	42.40
100	4360 218	55.00

DAkkS Calibration for Indicators, analogue and digital
readings/resolution 0.01 and 0.001

Measuring span mm	Order no.	List price EUR
Up to 10	4380 150	54.00
10	4380 151	58.00
30	4380 152	68.00
50	4380 154	78.00
100	4380 156	110.00

Internal micrometers
analogue and digital

Max. measuring range mm	Order no.	List price EUR
0 - 100	4322 810	46.90
100 - 200	4322 814	93.00
200 - 300	4322 818	115.00

DAkkS Calibration for internal micrometers
analogue and digital

Max. measuring range mm	Order no.	List price EUR
2 - 100	4380 160	70.00

Universal bevel protractor analogue or digital (1 blade)

Max. measuring range in °	Order no.	List price EUR
360	4342 610	28.30

DAkkS Calibration for universal bevel protractor
analogue or digital (1 blade)

Max. measuring range in °	Order no.	List price EUR
360	4380 170	83.00

Protractors

	Order no.	List price EUR
	4342 410	12.40

Calibration service

Squares with and without base, knife edge squares according to DIN 875 all accuracies

Max. length mm	Order no.	List price EUR
100	4340 210	16.10
200	4340 214	17.70
500	4340 218	26.10
750	4340 222	44.60
1000	4340 226	54.00
1500	4340 230	79.00

Graduated Rules according to DIN 866 Type A / B

Max. length mm	Order no.	List price EUR
500	4350 210	32.30
1000	4350 218	53.00
1500	4350 226	79.00
2000	4350 232	103.00
3000	4350 238	144.00

Flat rules according to DIN 874 Part 1 all accuracies

Max. length mm	Order no.	List price EUR
500	4351 610	27.00
1000	4351 618	63.00
2000	4351 628	94.00
3000	4351 638	120.00

Knife edge rules according to DIN 874 Part 2 all accuracies

Max. length mm	Order no.	List price EUR
200	4352 412	15.30
500	4352 418	24.40
1000	4352 422	46.10

Levels

Max. length mm	Order no.	List price EUR
300	4353 410	56.00

Frame levels

Max. length mm	Order no.	List price EUR
300	4353 510	78.00

Parallel gauge blocks

Max. nominal size	Order no.	List price EUR
100	4357 010	11.60
300	4357 020	34.10

Plug gauges GO / NOGO

Max. diameter mm	Order no.	List price EUR
100	4357 610	11.80
200	4357 620	20.10

Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

Calibration service

Setting rings (master rings)

Max. diameter mm	Order no.	List price EUR
100	4358 410	17.70
200	4358 420	31.20

Dial test indicator

Order no.	List price EUR
4360 810	36.20

Snap gauges GO and NOGO

Max. nominal size	Order no.	List price EUR
100	4358 810	20.10

Caliper gauges analogue and digital

Order no.	List price EUR
4361 410	55,00

Thread plug gauges GO / NOGO

Max. diameter mm	Order no.	List price EUR
100	4359 210	25.50

Thread master rings

Max. diameter mm	Order no.	List price EUR
100	4359 410	32.70

Order number index

Order no.	Page	List price in €
0003217	73	7.70
0003219	73	7.70
0003220	73	9.20
0003221	73	11.60
0003222	73	16.00
0003223	73	17.90
0003224	73	27.00
0003225	73	35.10
0003226	73	41.90
0003228	73	46.70
0003229	73	47.90
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0003253	73	196.00
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0003256	73	284.00
0003257	73	306.00
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0003280	190	4.30
0003281	190	4.70
0003282	190	4.90
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0003284	190	6.80
0003285	190	7.70
0003286	190	9.00
0003287	190	8.50
0003288	190	19.30
0003289	190	11.60
0003290	190	19.30
0003291	190	33.30
0003292	190	36.80
0003293	190	37.10
0003294	190	41.50
0180310	16	4.40
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0180330	16	7.10
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0185505	10	34.50
0185508	10	51.00
0188501	11	23.00
0189501	11	23.00
0190501	14	27.00
0194501	11	27.00
0195501	11	27.00
0197501	13	33.00
0197505	13	75.00
0197508	13	149.00
0198501	13	30.50
0199501	13	30.50
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0212522	18	195.00
0212524	18	195.00
0212526	18	219.00
0212528	18	219.00
0217501	17	67.00
0217502	17	135.00
0218501	17	90.00
0220204	83	3.30
0220704	20	3.90
0220705	22	22.40
0222734	42	2677.00
0222736	42	3212.00
0223734	42	2856.00
0223736	42	3309.00
0224734	43	2421.00
0224736	43	2934.00
0225734	43	2552.00
0225736	43	3029.00
0228701	46	493.00
0228702	46	686.00
0228703	46	964.00
0228704	46	1137.00
0228724	46	2869.00
0228726	46	3410.00
0230503	35	178.00
0230508	35	510.00
0231503	35	205.00
0231508	35	557.00
0234503	32	164.00
0234508	32	489.00
0234514	32	628.00
0234518	32	754.00
0234524	32	1585.00
0234526	32	2321.00
0235503	32	189.00
0235508	32	528.00
0235514	32	692.00
0235518	32	817.00
0235524	32	1681.00
0235526	32	2476.00
0236503	33	146.00
0236504	34	258.00
0236508	33	407.00
0236509	34	536.00
0236510	34	640.00
0236514	33	504.00
0236515	34	779.00
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0236518	33	629.00
0236519	34	956.00
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0236521	34	1647.00
0236524	33	1387.00
0236525	34	1692.00
0236526	33	2090.00
0236527	34	2506.00
0237503	33	174.00
0237504	34	283.00
0237508	33	457.00
0237509	34	586.00
0237510	34	691.00
0237514	33	567.00
0237515	34	843.00
0237516	34	1055.00
0237517	34	1231.00
0237518	33	693.00
0237519	34	1016.00
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0237525	34	1792.00
0237526	33	2249.00
0237527	34	2663.00
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0238508	36	542.00
0238514	36	724.00
0238518	36	848.00
0238524	36	2199.00
0238526	36	2560.00
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0258503	51	295.00
0258504	51	333.00
0258505	51	372.00
0260501	52	74.00
0260502	52	74.00
0262503	49	271.00
0268201	54	308.00
0268211	54	376.00
0273731	71	205.00
0273732	71	212.00
0273735	71	229.00
0273738	71	243.00
0273741	71	295.00
0273745	71	516.00
0273746	71	562.00
0273751	71	368.00
0273752	71	373.00
0273755	71	396.00
0273758	71	417.00
0273761	71	448.00
0273765	71	629.00
0273766	71	676.00
0276711	61	6.40
0279722	63	272.00
0279723	63	284.00
0279724	63	296.00
0279792	63	21.50
0281501	55	89.00
0281502	55	92.00
0281505	55	115.00
0282501	56	78.00
0282502	56	82.00
0282503	56	93.00
0282505	56	99.00
0282507	56	152.00
0282508	56	232.00
0282509	56	387.00
0282510	56	548.00
0286501	57	93.00
0286502	57	94.00
0286505	57	115.00
0286507	57	184.00
0286508	57	388.00
0286509	57	523.00

Order number index

Order no.	Page	List price in €
0286510	57	666.00
0292501	58	88.00
0292502	58	100.00
0294505	58	750.00
0294507	58	1581.00
0300007	162	2.10
0300008	162	2.30
0300009	162	1.10
0300010	162	1.10
0300011	162	2.10
0300102	162	5.60
0300112	162	4.70
0300114	162	8.80
0300120	162	12.80
0300130	162	3.40
0301001	163	7.30
0301002	163	8.30
0301003	163	9.20
0301004	163	12.80
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0302009	163	132.00
0302010	163	183.00
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0303002	164	7.70
0303003	164	8.80
0303004	164	9.40
0303005	164	10.70
0303006	164	13.10
0303007	164	16.30
0303008	164	24.60
0303009	164	35.40
0303010	164	65.00
0304001	164	7.10
0304002	164	7.70
0304003	164	8.80
0304004	164	9.40
0304005	164	10.70
0304006	164	13.10
0304007	164	16.30
0304008	164	24.60
0304009	164	35.40
0304010	164	65.00
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0306005	163	24.20
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0308202	167	113.00
0308303	167	138.00
0308305	167	163.00
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0310103	165	4.40
0310105	165	4.90
0310107	165	6.30
0310108	165	7.40
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0311103	165	5.90
0311105	165	7.00
0311107	165	8.50
0311108	165	9.10
0311120	165	2.30
0311121	165	19.10
0312101	166	3.40
0312103	166	4.90
0312105	166	5.90
0312107	166	7.30
0312108	166	8.80
0313101	166	3.40
0313103	166	4.90
0313105	166	5.90
0313107	166	7.30
0313108	166	8.80
0321301	169	22.70
0321302	169	25.40
0321303	169	25.90
0321305	169	49.30
0322501	167	25.90
0322503	167	40.60
0322510	167	4.60
0323308	169	16.90
0323318	169	21.60
0334101	173	75.00
0334102	173	124.00
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0343503	168	299.00
0344501	168	130.00
0344502	168	166.00
0344503	168	210.00
0344505	168	446.00
0345522	170	389.00
0345530	170	487.00
0345534	170	670.00
0345722	171	562.00
0345730	171	702.00
0345734	171	973.00
0345910	170	124.00
0345912	170	138.00
0347522	170	497.00
0347530	170	627.00
0347534	170	865.00
0347722	171	692.00
0347730	171	865.00
0347734	171	1190.00
0349722	172	594.00
0349730	172	756.00
0349734	172	1027.00
0349910	173	114.00
0349912	173	133.00
0349914	173	148.00
0349916	173	169.00
0368102	176	25.20
0368103	176	28.20
0368104	176	37.80
0368105	176	48.10
0368106	176	64.00
0368107	176	79.00
0368108	176	173.00
0368109	176	254.00
0368110	176	359.00
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0368112	176	1208.00
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0368207	176	189.00
0368208	176	293.00
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0368211	176	1034.00
0368212	176	2193.00
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0369104	176	23.10
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0369107	176	60.00
0369108	176	121.00
0369109	176	158.00
0369110	176	253.00
0369111	176	470.00
0369112	176	838.00
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0369203	176	39.30
0369204	176	48.00
0369205	176	74.00
0369206	176	97.00
0369207	176	119.00
0369208	176	202.00
0369209	176	282.00
0369210	176	473.00
0369211	176	882.00
0369212	176	1655.00
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0370104	178	23.50
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0370107	178	49.80
0370108	178	99.00
0370109	178	145.00
0370110	178	205.00
0370111	178	410.00
0370112	178	690.00
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0370203	178	19.20
0370204	178	29.00
0370205	178	38.00
0370206	178	52.00
0370207	178	69.00
0370208	178	175.00
0370209	178	225.00
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0370212	178	876.00
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0371103	178	12.30
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0371105	178	19.40
0371106	178	27.00
0371107	178	34.50
0371108	178	82.00
0371109	178	107.00
0371110	178	149.00
0371111	178	280.00
0371112	178	480.00
0371202	178	12.20
0371203	178	13.50
0371204	178	16.50
0371205	178	24.70
0371206	178	33.50
0371207	178	42.00
0371208	178	138.00
0371209	178	175.00
0371210	178	269.00
0371211	178	493.00
0371212	178	795.00
0372102	179	12.50
0372103	179	14.00

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Order no.	Page	List price in €
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0372105	179	23.90
0372106	179	32.00
0372107	179	39.80
0372108	179	59.00
0372109	179	72.00
0372110	179	95.00
0372111	179	120.00
0372112	179	175.00
0372113	179	769.00
0372114	179	950.00
0373102	179	8.90
0373103	179	9.80
0373104	179	12.00
0373105	179	15.50
0373106	179	19.90
0373107	179	26.80
0373108	179	42.50
0373109	179	59.00
0373110	179	76.00
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0373112	179	145.00
0373113	179	699.00
0373114	179	840.00
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0374410	180	14.20
0374412	180	17.20
0374414	180	21.00
0374416	180	26.50
0374418	180	35.20
0374420	180	47.20
0374424	180	56.00
0374428	180	85.00
0374430	180	199.00
0374432	180	292.00
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0375408	180	8.10
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0375412	180	10.50
0375414	180	11.50
0375416	180	15.80
0375418	180	17.50
0375420	180	21.50
0375424	180	25.50
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0375430	180	96.00
0375432	180	145.00
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0376103	181	13.10
0376104	181	16.50
0376105	181	27.10
0376112	181	11.50
0376113	181	12.20
0376114	181	14.80
0376115	181	20.70
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0376117	181	30.50
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0380107	185	102.00
0380108	185	262.00
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0385108	177	117.00
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0386206	177	54.00
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0388103	183	24.00
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0388105	183	38.60
0388106	183	54.00
0388108	183	94.00
0388202	183	24.00
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0388204	183	34.00
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0388208	183	142.00
0388210	183	676.00
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0395108	187	31.10
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0395128	187	29.80
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0395136	186	8.60
0395137	186	11.00
0395138	186	13.30
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0395143	186	21.60
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0395147	186	19.10
0395148	186	25.80
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0396416	185	19.50
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0396433	189	12.10
0396434	189	14.80
0396435	189	19.00
0396436	189	21.20
0396443	188	10.50
0396444	188	12.40
0396445	188	13.40
0396446	188	17.30
0396453	188	13.20
0396454	188	14.90
0396455	188	16.60
0396456	188	20.30
0396982	189	11.90
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0411110	191	154.00
0411301	191	25.10
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0413301	192	23.90
0413302	192	24.90
0415301	192	65.00
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0415303	192	137.00
0415304	192	188.00
0415305	192	213.00
0416301	193	130.00
0416302	193	170.00
0416303	193	220.00
0416304	193	364.00

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Order no.	Page	List price in €
0416305	193	422.00
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0422590	193	19.50
0425701	194	1318.00
0425702	194	1331.00
0425703	194	1342.00
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0451103	200	106.00
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0451204	200	274.00
0451205	200	552.00
0451206	200	998.00
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0452203	200	59.00
0452204	200	101.00
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0452206	200	306.00
0452207	200	318.00
0452208	200	572.00
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0453434	199	19.50
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0454428	202	11.70
0454434	202	23.20
0454438	202	42.20
0454440	202	64.00
0454444	202	169.00
0455424	202	17.30
0455428	202	21.60
0455434	202	41.00
0455438	202	73.00
0455440	202	107.00
0455444	202	226.00
0458102	201	38.30
0458103	201	45.70
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0458109	201	259.00
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0458113	201	531.00
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0460208	198	7.70
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0460227	198	3.20
0460228	198	7.70
0460229	198	16.00
0460230	198	25.80
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0460247	198	3.20
0460248	198	7.70
0460249	198	16.00
0460250	198	25.80
0460251	198	31.10
0460252	198	72.00
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0460507	199	5.60
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0478312	206	101.00
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0478327	206	1114.00
0478907	207	324.00
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0478914	207	412.00
0478917	207	495.00
0482101	207	488.00
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0504013	208	145.00
0504014	208	223.00
0504112	208	66.00
0504113	208	88.00
0504114	208	145.00
0504312	208	45.50
0504313	208	67.00

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Order no.	Page	List price in €
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0512102	205	11.80
0512103	205	13.30
0512104	205	15.10
0512105	205	19.70
0512106	205	37.10
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0512203	205	16.70
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0512209	205	224.00
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0512609	205	16.30
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0512611	205	37.90
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0520103	208	232.00
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0520105	208	443.00
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0522102	210	249.00
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0522201	210	133.00
0522202	210	162.00
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0527156	213	355.00
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0550102	215	227.00
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0589103	220	52.00
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0595115	222	3.80
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0595142	217	2.70
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0597305	53	175.00
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0599152	224	7.10
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0600103	223	34.60
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0600112	223	73.00
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0605104	226	2.30
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0605111	226	3.00
0605112	226	3.40
0606121	226	1.60
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0606127	226	1.60
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0606136	226	5.10
0606150	227	3.40
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0606154	227	5.90
0606160	227	8.90
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0606170	227	10.70
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0606176	227	17.90
0606178	227	26.20
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0607403	226	11.60
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0608144	227	7.20
0608149	227	16.60
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0611535	229	11.00
0611540	229	11.00
0611545	229	11.00
0611550	229	11.00
0611552	229	16.50

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Order no.	Page	List price in €
0611554	229	16.50
0611556	229	16.50
0611558	229	16.50
0611560	229	16.50
0611562	229	16.50
0611564	229	16.50
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0708101	117	96.00
0708102	117	61.00
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1924512	104	818.00
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1924532	104	1115.00
1924534	104	1167.00
1924536	104	1438.00
1924538	104	1657.00
1924540	104	1771.00

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1924578	105	2084.00
1924580	105	2709.00
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1998748	251	497.00
1998760	171	147.00
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1998802	250	85.00
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Important notes regarding this catalogue

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