

WE WILL BACK YOU UP

Our service is only useful to you if it's there when you need it, which is why we take such care to think everything out in advance... The result is a presence that scores with expertise: we have more than 5,000 specialist dealers around the globe ready to support professional users of our products.

We transfer knowledge to our dealers with appropriate training and we are happy to assist in finding joint solutions to measurement problems. This enables us to maintain our short routes based on partnership so that our products can be used most effectively.

Having a leading brand also means being able to meet special requirements. That's why the calibration certificate is simply part of the service and is in many cases already included. The benefits are obvious: our users can get started right away using ur calibrated measurement and testing equipment to comply with a diverse range of guidelines, standards and laws.



3. CHAPTER DIAL GAUGES AND INDICATING INSTRUMENTS

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1722 / 1723 / 1724 DIGI-MET® Indicators

for static measurements







Specification

- Housing Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP52
- Clamping shank Ø 8 mm
- LCD display with 12 mm high numerals
- Measuring force 0.5 1 N
- Accuracy according to factory standard

Electronic functions

- ON/OFF switch
- QuickStart Electronic
- QuickLock Function
- Zero setting at any position
- Reversal of counting direction
 PRESET Function
- mm/inch conversion

• Individual buttons can be

- locked
- Variable data output RS 232 + Digimatic + USB
- (setting a numerical value)

Shipment

NA	■ 7.	Measuri	ng range	Rea	ding	Error limit	Ref. No.	List price
N		mm	inch	mm	inch	μm		Euro
		12.5	0.5	0.01	.0005	0.020	1722 502	133.00
		12.5	0.5	0.005	.0001	0.015	1723 502	167.00
		12.5	0.5	0.001	.00005	0.005	1724 502	273.00



Accessories	Ref. No.	List price Euro
Battery, 3V-Lithium, CR 2032	0220 704	3.60
Cable for USB incl. software	1998 720	66.00
Cable for RS 232	1997 501	46.20
Cable for Digimatic	1998 501	59.00
Cable release (12.5 mm)	1739 920	13.80



1726 / 1728 DIGI-MET® Indicators

for static measurements





- Aluminium housing
- Hardened stainless steel spindle
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP42
- Clamping shank Ø8mm
- Display unit can be rotated through 280°
- LCD display with 11 mm high numerals
- Factory standard

Shipment

Cardboard box

Electronic functions

- ON/OFF switch
- QuickStart Electronic QuickLock Function
- Zero setting at any position
- mm/inch conversion
- Absolute function (display can be set to zero without losing the Preset value)
- Tolerance function
- Reversal of counting direction











- Factor input
 - Individual buttons can be locked
 - Variable data output RS 232 + Digimatic + **USB**
 - PRESET Function (setting a numerical value)

М	I	Measuring range		Reading	Erro	r limit	Ref. No.	List price
	74	mm	inch	mm	total span µm	partial span** µm		Euro
Reading 0).01 mm							
		12.5	.5	0.01	20	10	1728 502	267.00
		25.0	1.0	0.01	20	10	1728 506	340.00
		50.0	2.0	0.01	20	10	1728 510	554.00
		100.0	4.0	0.01	20	10	1728 514	709.00
Reading 0).001 mm							
		12.5	.5	0.001*	4	2	1726 502	319.00
		25.0	1.0	0.001*	4	2	1726 506	351.00
		50.0	2.0	0.001*	7	2	1726 510	618.00
		100.0	4.0	0.001*	8	2	1726 514	765.00

* Reading switchable: 0.0005 / 0.001 / 0.002 / 0.005 / 0.010 mm

** Partial span= 25 steps by step value 0.0005 mm



Accessories	Ref. No.	List price Euro
Battery, 3V-Lithium, CR 2450	1998 770	5.50
Cable for USB incl. software	1998 720	66.00
Cable for RS 232	1997 501	46.20
Cable for Digimatic	1998 501	59.00
Cable release (12.5 + 25 mm)	1739 910	37.00















1730 / 1732 DIGI-MET® Indicators

for static measurements





Specification

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

Shipment

- ON/OFF switch
- QuickStart Electronic
- QuickLock Function
- Zero setting at any position
- mm/inch conversion
- Absolute function (display) can be set to zero without losing the Preset value)
- Tolerance function
- Reversal of counting direction
- Factor input
- Individual buttons can be locked
- Variable data output RS 232 + Digimatic + USB
- PRESET Function (setting a numerical value)

M		Measuring range		Reading Error limit			Ref. No.	List price	
		mm	inch	mm	total span µm	partial span** µm		Euro	
			12.5	.5	0.01	20	-	1732 502	298.00
			25.0	1.0	0.01	20	-	1732 506	376.00
			12.5	.5	0.001*	4	2	1730 502	353.00
			25 N	1 በ	0 001*	Λ	9	1730 506	308 UU

^{*} Reading switchable: 0.0005 / 0.001 / 0.002 / 0.005 / 0.010 mm

^{**} Partial span= 25 steps by step value 0.0005 mm



Accessories	Ref. No.	List price
		Euro
Battery, 3V-Lithium, CR 2450	1998 770	5.50
Cable for USB incl. software	1998 720	66.00
Cable for RS 232	1997 501	46.20
Cable for Digimatic	1998 501	59.00
Cable release (12.5 + 25 mm)	1739 910	37.00



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









Specification

- Aluminium housing
- Hardened stainless steel spindle
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP42
- Clamping shank Ø8 mm
- Display unit can be rotated through 280°
- LCD display with 8.5 mm high
 QuickLock Function numerals
- Factory standard

Shipment

Cardboard box

Electronic functions

- ON/OFF switch
- QuickStart Electronic
- Zero setting at any position
- mm/inch conversion
- Absolute function (display can be set to zero without losing the Preset value)
- Tolerance function
- MAX/MIN function

- TIR (MAX-MIN) function
- Reversal of counting direction
- Factor input
- Individual buttons can be locked
- Variable data output RS 232 + Digimatic + **USB**
- PRESET Function (setting a numerical value)

M	7	Measuring range R		Reading	ading Error limit		Ref. No.	List price	
		mm	inch	mm	total span µm	partial span** µm		Euro	
			12.5	.5	0.001*	0.005	.0002	1734 502	367.00
			25.0	1.0	0.001*	0.005	.0002	1734 506	421.00

* Reading switchable: 0.0005 / 0.001 / 0.002 / 0.005 / 0.010 mm

** Partial span= 25 steps by step value 0.0005 mm



Accessories	Ref. No.	List price Euro
Battery, 3V-Lithium, CR 2450	1998 770	5.50
Cable for USB incl. software	1998 720	66.00
Cable for RS 232	1997 501	46.20
Cable for Digimatic	1998 501	59.00
Cable release (12.5 + 25 mm)	1739 910	37.00













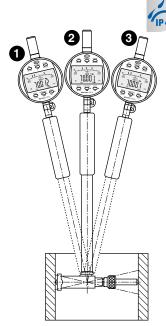


1734 DIGI-MET® Indicators with combined analogue / digital display



for comparator gauge





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.

Specification

- Aluminium housing
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP42
- Clamping shank Ø8 mm
- Display unit can be rotated through 280°
- LCD display with 8.5 mm high numerals
- Factory standard

Electronic functions

- ON/OFF switch
- QuickStart Electronic
- QuickLock Function
- Zero setting at any position
- mm/inch conversion
- Absolute function (display can be set to zero without losing the Preset value)
- Tolerance function
- MAX/MIN function

- Reversal of counting direction
- Factor input
- Individual buttons can be
- Variable data output RS 232 + Digimatic + **USB**
- PRESET Function (setting a numerical value)

Shipment

NA	■ ⁄₄	Measuring range		Reading	Reading Error limit			List price
NA	7	mm	inch	mm	total span µm	partial span**		Euro
		12.5	.5	0.001*	4	2	1734 522	475.00

^{*} Reading switchable: 0.0005 / 0.001 / 0.002 / 0.005 / 0.010 mm

^{**} Partial span= 25 steps by step value 0.0005 mm



Accessories	Ref. No.	List price Euro
Battery, 3V-Lithium, CR 2450	1998 770	5.50
Cable for USB incl. software	1998 720	66.00
Cable for RS 232	1997 501	46.20
Cable for Digimatic	1998 501	59.00
Cable release (12.5 + 25 mm)	1739 910	37.00





0691 DIGI-MET® Indicators

Specification

- 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

Electronic functions

- ON/OFF switch
- Zero setting at any position
- mm/inch-conversion
- Data output RS 232 Proximity + RS 232 Power (USB-keyboard interface cable, see page 270)
- PRESET function (setting a numerical value)

* Additional functions models 0691751 + 0691753

- Tolerances (visual indications via LEDs)
- MAX/MIN function
- TIR (MAX-MIN) function
- Factor input

Shipment

Cardboard box



0691 747

M	7	Measur	ing range	Rea	Reading		Ref. No.	List price
N	7	mm	inch	mm	inch	μm		Euro
Reading 0	0.01 mm							
		12.5	.5	0.01	.0005	10	0691 731	349.00
		25.0	1.0	0.01	.0005	10	0691 733	400.00
		50.0	2.0	0.01	.0005	20	0691 735	871.00
		100.0	4.0	0.01	.0005	20	0691 737	982.00
Reading 0	0.001 mm							
		12.5	.5	0.001	.00005	4	0691 741	431.00
		25.0	1.0	0.001	.00005	5	0691 743	473.00
		50.0	2.0	0.001	.00005	7	0691 745	965.00
		100.0	4.0	0.001	.00005	8	0691 747	1,115.00
Reading (0.001 mm, v	with additional fund	ctions*					
		12.5	.5	0.001	.00005	3	0691 751**	501.00
		25.0	1.0	0.001	.00005	4	0691 753**	554.00









0701 Small dial gauges with lightweight plastic housing







Specification

- 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

Shipment

Case

М	%	Measuring range mm	Reading mm	Range per revolution mm	Outer ring (Bezel) dia. mm	Ref. No.	List price Euro	
Small dial gauge								
		5	0.01	0.5	40	0701 101	37.10	
Shockproof small dial gauge								
		5	0.01	0.5	40	0701 102	45.60	

0708 Small dial gauges







- Specification
- Metal housing Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø8 mm
- With a revolution counter
- DIN 878

DIN		
878		

Case

Shipment

M		Measuring range mm	Reading mm	Range per revolution mm	Outer ring (Bezel) dia. mm	Ref. No.	List price Euro
Small dia	al gauge						
		10	0.01	0.5	40	0708 101	79.00
		5	0.01	0.5	40	0708 102	50.00
		3	0.01	0.5	32	0708 103	60.00
		3	0.01	0.5	40	0708 104	41.60
Shockpro	oof small dia	al gauge					
		3	0.01	0.5	40	0708 105	50.00
		5	0.01	0.5	40	0708 106	67.00





0701 Dial gauges









Specification

- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø8mm
- DIN 878

Shipment

Case

M		Measuring range mm	Reading mm	Range per revolution mm	Outer ring (Bezel) dia. mm	Ref. No.	List price Euro
Dial gaug	e, plastic h	ousing					
		10	0.01	1	58	0701 103	20.50
Dial gaug	e, metal ho	ousing					
		10	0.01	1	58	0701 110	36.70
Shockpro	of dial gau	ge, injection-moulded ho	using				
		10	0.01	1	58	0701 106	21.60
Shockpro	of dial gau	ge, metal housing					
		10	0.01	1	58	0701 111	42.30

0703 Dial gauges with extended measuring range





Specification

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip
- Clamping shank Ø8 mm
- With a concentric pointer
- Factory standard

Ship	ment
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Case

NA		Measuring range	Reading	Range per revolution	Outer ring (Bezel)	Ref. No.	List price
N	7	mm	mm	mm	dia. mm		Euro
		30	0.01	1	58	0703 101	90.00
		50	0.01	1	58	0703 104	125.00
		80	0.01	1	58	0703 107	250.00













0704 Shockproof dial gauges







Specification

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø8 mm
- Shockproof

Shipment

Case

			•				
M		Measuring range	Reading	Range per revolution	Outer ring (Bezel)	Ref. No.	List price
	7	mm	mm	mm	dia. mm		Euro
Revolutio	n counter:	DIN 878					
		10	0.01	1	58	0704 105	64.00
With fine	adjustmen	t of the pointer: DIN 878					
		10	0.01	1	58	0704 106	79.00
Concentri	c pointer: I	Factory standard					
		30	0.01	1	58	0704 109	103.00
		50	0.01	1	58	0704 110	133.00

0707 Water and oil proof dial gauges











Specification

- Metal housing, water and oil proof
- Protection class IP67
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø8 mm
- Rubber bellows
- Shockproof
- Outer ring (Bezel) can be rotated through 360°
- DIN 878

Shipment

Case

M	Measuring range mm	Reading mm	Range per revolution mm	Outer ring (Bezel) dia. mm	Ref. No.	List price Euro
	3	0.01	0.5	44.6	0707 101	113.00
	10	0.01	1	61.5	0707 102	97.00

126



0700 Dial gauges, graduation 0.1 mm





Specification

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø8 mm
- Factory standard

Shipment

Case

M		Measuring range	Reading	Range per revolution	Outer ring (Bezel)	Ref. No.	List price			
		mm	mm	mm	dia. mm		Euro			
		10	0.1	10	40	0700 100	55.00			
		5	0.1	5	40	0700 101	55.00			
		10	0.1	10	58	0700 102	42.10			
Straight	Straight line revolution counte									
		30	0.1	10	58	0700 104	48.30			

0702 Dial gauge with concentric mm display







Specification

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø8 mm
- With a concentric pointer
- DIN 878

Shipment

Case

M		Measuring range	Reading	Range per revolution	Outer ring (Bezel)	Ref. No.	List price
		mm	mm	mm	dia. mm		Euro
		10	0.01	1	58	0702 106	56.00













0705 Precision dial gauges





Specification

Shipment

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø8 mm
- With revolution counter
- Factory standard

 Case 	•	Case
--------------------------	---	------

M	7	Measuring range	Reading	Range per revolution	Outer ring (Bezel)	Ref. No.	List price			
		mm	mm	mm	dia. mm		Euro			
		1	0.001	0.2	40	0705 102	99.00			
		1	0.001	0.2	58	0705 104	99.00			
		5	0.001	0.2	58	0705 105	103.00			
Precision	Precision shockproof dial gauge									
		1	0.001	0.2	40	0705 107	105.00			
		5	0.001	0.2	58	0705 109	128.00			

0706 Error free, shockproof dial gauge







Specification

Metal housing

- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø8 mm
- Free lift 1 mm
- DIN 878

Shipment

Case

M	7	Measuring range	Reading Free lift		Outer ring (Bezel)	Ref. No.	List price
		mm	mm	mm	dia. mm		Euro
		0.8	0.01	1	58	0706 102	64.00

128





0709 Dial gauges with reverse action plunger





Specification

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø8 mm
- Factory standard

Shipment

Case

NA		7	Measuring range	Reading	Range per revolution	Outer ring (Bezel)	Ref. No.	List price
N	mm		mm	mm	dia. mm		Euro	
			3	0.01	0.5	40	0709 101	95.00
			5	0.01	1	58	0709 108	113.00

0712 Dial comparator gauge MICROTAST







Specification

- Measuring spindle is made of hardened stainless steel
- Longer measuring spindle
- Replacement probe tip M 2.5
- Clamping shank Ø8 mm
- Tolerance markers
- Shockproof
- Fine adjustment
- DIN 879

Shipment

Case

M		Measuring range	Reading	Dial reading	Overtravel	Ref. No.	List price
N	/=	mm	mm		mm		Euro
		0.5	0.01	25-0-25	2.5	0712 121	143.00
		0.1	0.001	50-0-50	3.0	0712 124	175.00













0710 Magnetic back





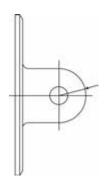
Specification

- 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 0701 103 and 0701 106 or all digital gauges

M	7	Ref. No.	List price Euro
		0710 101	46.40

0710 Lug back





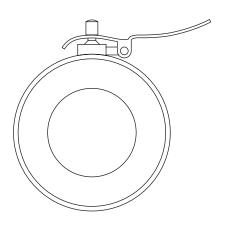
Specification

- Ø 5 mm
- For retrofitting
 Cannot be used in conjunction with dial gauges 0701 103 and 0701 106 or any digital gauges

M	7	Ref. No.	List price Euro					
For dial gauges with an outer ring (Bezel) dia. 40 mm								
		0710 102	6.10					
For dial gauges with an outer ring (Bezel) dia. 58 mm								
		0710 103	6.30					

0710 Spindle lifting lever





Specification

- For dial gauges with a measuring range max. 10 mm
- Cannot be used in conjunction with dial gauges 0701 103 and 0701 106 or any digital gauges

M	7	Ref. No.	List price Euro						
For dial gauges with an outer ring (Bezel) dia. 40 mm									
		0710 104	9.70						
For dial g	For dial gauges with an outer ring (Bezel) dia. 58 mm								
		0710 105	9.70						





0724 Angle lever attachment





Specification

- With Ø 8 mm mounting hole for dial gauges
- Clamping shank Ø 8 mm
- Smallest measurable hole: 6 mm
- Measuring span: 10 mm

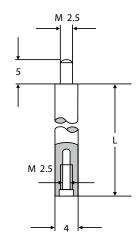
Shipment	
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Cardboard box

М	7	Measuring depth	Ref. No.	List price	
MIN	/	mm		Euro	
		60	0724 101	44.30	

0710 Extensions for dial gauges





Specification

- Special steel
- Thread M 2.5

M M		Length (L)	Ref. No.	List price
N	7	mm		Euro
For meas	uring spind	lle dia. 4 mm		
		10	0710 111	4.10
		15	0710 112	4.10
		20	0710 113	4.10
		25	0710 114	4.10
		30	0710 115	4.10
		35	0710 116	4.10
		40	0710 117	4.10
		45	0710 118	4.10
		50	0710 119	4.10
		55	0710 120	4.10
		60	0710 121	4.10
		65	0710 122	4.10
		70	0710 123	4.10
		75	0710 124	4.10
		80	0710 125	4.10
		85	0710 126	4.10
		90	0710 127	4.10
		95	0710 128	4.10
		100	0710 129	4.10



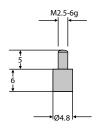


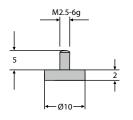




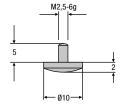
0710 Measuring inserts for dial gauges

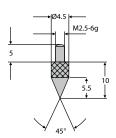




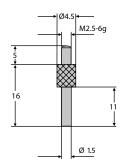


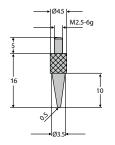
H	4	7	Material	Ref. No.	List price Euro	M	7	Material	Ref. No.	List price Euro
			Special steel	0710 161	3.20			Special steel	0710 162	4.10
			Carbide	0710 261	21.60			Carbide	0710 262	34.90





M	7	Material	Ref. No.	List price Euro	M	7	Material	Ref. No.	List price Euro
		Special steel	0710 163	4.70			Special steel	0710 164	4.70
		Carbide	0710 263	42.10			Carbide	0710 264	40.70





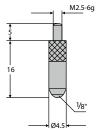
N	7	Material	Ref. No.	List price Euro	M	Material	Ref. No.	List price Euro
		Special steel	0710 165	5.90		Special steel	0710 166	4.30
		Carbide	0710 265	18.70				

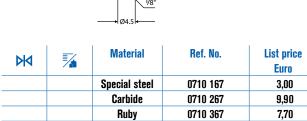




0710 Measuring inserts for dial gauges



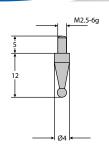




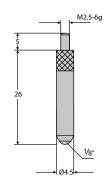
0710 467

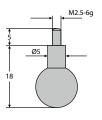
7,70

Sapphire



M		Ball dia mm	Ref. No.	List price
		dia. mm		Euro
Special s	teel, Tolera	nce of the ball dia	ameter ±1 µm	
		1.0	0710 169	5.90
		1.5	0710 170	5.90
		2.0	0710 171	5.90
		2.5	0710 172	5.90
		3.0	0710 173	5.90
		3.5	0710 174	5.90
		4.0	0710 175	5.90
		4.5	0710 176	5.90
		5.0	0710 177	5.90
		5.5	0710 178	5.90
		6.0	0710 179	5.90
		6.5	0710 180	5.90





М		Material	Ref. No.	List price
PIN	/			Euro
		Special steel	0710 168	3.00
		Carbide	0710 268	9.90
		Ruby	0710 368	7.70
		Sapphire	0710 468	7.70

M	7	Ball dia. mm	Ref. No.	List price Euro
Special s	teel			
		7.0	0710 181	5.90
		7.5	0710 182	5.90
		8.0	0710 183	5.90
		8.5	0710 184	5.90
		9.0	0710 185	5.90
		9.5	0710 186	5.90
		10.0	0710 187	5.90
		10.5	0710 188	5.90
		11.0	0710 189	5.90











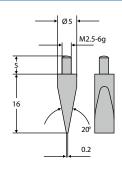
0710 Measuring inserts for dial gauges

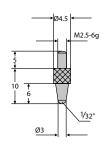


List price

Euro

4.30





Ref. No.

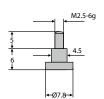
0710 193

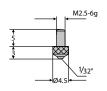
Material

Special steel

M		Material	Ref. No.	List price Euro
		Special steel	0710 192*	6.30
		Carbide	0710 292*	44.30

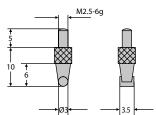
^{*} with locknut





M		Material	Ref. No.	List price Euro	M		Material	Ref. No.	List pric Euro
		Special steel	0710 194	4.20			Special steel	0710 195	1.00

M

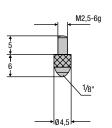


Special steel

— ø3←	3.5		
Material	Ref. No.	List price	

0710 196*

M



M	Material	Ref. No.	List price Euro
	Special steel	0710 197	1.00
	Carbide	0710 297	4.10
	Ruby	0710 397	5.50
	Sapphire	0710 497	5.50

6.90

^{*} with locknut





0715 Dial test indicators





Specification

- Carbide tipped measuring inserts, Ø 20 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

Shipment



- Includes clamping shank Ø 8 mm and key for measuring inserts
- Case

М		Measuring range	Reading	Outer ring (Bezel)	Contact insert length	Dial	Ref. No.	List price
	/	mm	mm	dia. mm	mm			Euro
		±0.4	0.01	30.0	14.5	0-40-0	0715 101	74.00
		±0.4	0.01	40.5	14.5	0-40-0	0715 103	83.00
		±0.1	0.002	30.0	14.5	0-100-0	0715 305	99.00
		±0.1	0.002	40.5	14.5	0-100-0	0715 303	104.00
		±0.25	0.01	30.0	41.2	0-25-0	0715 201	116.00
		±0.5	0.01	40.5	32.3	0-50-0	0715 307	148.00

0715 Clamping shanks for dial test indicators

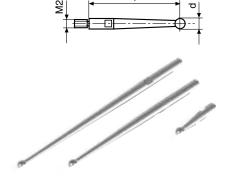




M	7	Diameter mm	Ref. No.	List price Euro
		4h6	0715 903	11.20
		8h6	0715 907	11.20

0715 Measuring inserts with carbide ball





M		Ball	Length	Ket. No.	List price
N	/ 🖀	dia. mm	mm		Euro
		1.0	14.5	0715 915	15.60
		2.0	14.5	0715 917	12.30
		3.0	14.5	0715 919	12.30
		1.0	32.3	0715 921	17.20
		2.0	32.3	0715 922	13.00
		3.0	32.3	0715 923	12.90
		1.0	41.2	0715 925	15.80
		2.0	41.2	0715 926	12.30
		3.0	41.2	0715 929	12.30

0715 Key for measuring inserts





M	Ref. No.	List price Euro
	0715 940	23.40





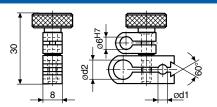






0715 Universal clamp



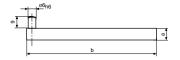


M	7	Diameter mm	Ref. No.	List price Euro
		8	0715 950	23.40

• Suitable in conjunction with holder 0715 955

0715 Holder





M	7	Length mm	Cross section mm	Ref. No.	List price Euro
		100	9 x 9	0715 955	14.80

0716 Dial depth gauges with a measuring base







Specification

Shipment

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

M		Measuring range	Reading	Contact surface	Range per revolution	Dial gauge	Ref. No.	List price
NA	7	mm	mm	measuring base mm	mm	dia. mm		Euro
		0 - 10	0.01	100 x 15	1	58	0716 101	129.00
Concentr	ic pointer							
		0 - 30	0.01	150 x 15	1	58	0716 102	189.00
		0 - 30	0.01	100 x 15	1	58	0716 105	169.00
Prismatio	base							
		0 - 30	0.01	for dia. 10 - 100	1	58	0716 111	249.00

0716 Depth measuring base for indicators





Specification

Shipment

- Special steel, chrome plated
- Mounting for indicator Ø8 mm
- Cardboard box

M	7	Contact surface mm	Ref. No.	List price Euro
		80 x 15	0716 192	55.00
		100 x 15	0716 194	67.00
		150 v 15	0716 196	87 NN







0718 Dial thickness gauges





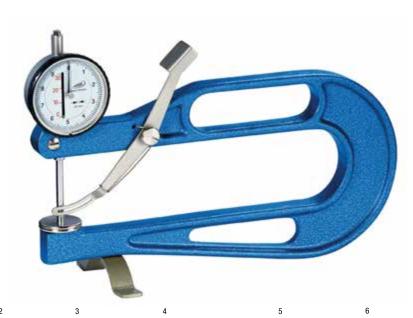
Specification

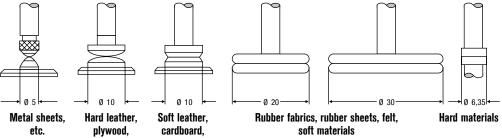
- Frame is made of an aluminium alloy
- Factory standard
- When ordering please specify the gauge form



Cardboard box







M		Measuring range	Reading	Type of contact points	Frame depth	Ref. No.	List price
NA	7	mm	mm	selectable	mm		Euro
		10	0.1	1/2/3/6	15	0718 101	47.10
		20	0.1	1 - 5	50	0718 104	98.00
		30	0.1	1 - 5	50	0718 105	111.00
		50	0.1	1 - 5	50	0718 106	168.00
With a liftin	ng device	and stand, range per revo	olution 10 mm				<u>'</u>
		30	0.1	1 - 5	200	0718 108	144.00
		30	0.1	1 - 5	300	0718 109	166.00
		30	0.1	1 - 5	400	0718 110	185.00
With a liftin	ng wheel	and concentric pointers, r	ange per revolution	n 1 mm			
		10	0.01	1/2/3/6	18	0718 112	93.00
		10	0.01	1/2/3/6	45	0718 113	107.00
Nith a liftii	ng device	, range per revolution 1 m	m				
		10	N N1	1 - 5	50	0718 115	111 00

paper, foils





fibreboard









0720 Dial thickness gauges





Specification

- With a lifting deviceFactory standard
- Frame is made of an aluminium alloy
- Revolution counter Ref. No. 0720 102 Tube wall thickness dial gauge with 2 exchangeable probes
 - with bund radius = 1 mm, dia. 8 mm
 - cylindrical dia. 6 mm
- Ref. No. 0720 103 Foil thickness gauge, measuring insert dia. 6.35 mm, flat, thermally insulated

Shipment



M	7	Measuring range mm	Reading mm	Range per revolution mm	Frame depth mm	Ref. No.	List price Euro					
Tube wal	Tube wall thickness dial gauge											
		10	0.01	1	50	0720 102	147.00					
Foil thick	Foil thickness dial gauge											
		1	0.001	0.2	30	0720 103	210.00					





0721 Internal caliper gauges





0721 120

Specification

Protection class IP65

Shipment









Ыq		Meası	uring	range	Reading	Measuring depth	For gi	rooves	Ref. No.	List price
N	7	mm			mm	mm	max. depth min. width			Euro
Contact	point type "	A", cutting	(chis	el) radius	0.1 mm					
		2.5	-	12.5	0.005	12	0.7	0.6	0721 100	473.00
Contact	point type "I	B", carbide	ball	Ø 0.6 mm						
		5	-	15	0.005	35	2.2	0.8	0721 101	473.00
Contact	point type "I	B", carbide	ball	Ø 1.0 mm						
		10	-	30	0.01	85	5.2	1.2	0721 120	490.00
Contact	point type "(C", carbide	ball	Ø 1.0 mm						
		20	-	40	0.01	85	7.0	1.2	0721 121	490.00
		30	-	50	0.01	85	7.0	1.2	0721 122	490.00
Contact	point type "I	D", carbide	ball	Ø 1.0 mm						
		40	-	60	0.01	85	8.3	1.2	0721 123	490.00
		50	-	70	0.01	85	8.3	1.2	0721 124	506.00
		60	-	80	0.01	85	8.3	1.2	0721 125	506.00
		70	-	90	0.01	85	8.3	1.2	0721 126	506.00
		80	-	100	0.01	85	8.3	1.2	0721 127	506.00











0721 External caliper gauges





Specification



Protection class IP65

Shipment



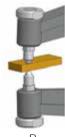












M		Meası	urinç	g range	Reading	Measuring depth	Contact po	int length	Ref. No.	List price
PIN	/		mm	1	mm		moving	fixed		Euro
Contact	point type "	H", cutting	chis	sel radius 0	.4 mm					
		0	-	10	0.005	35	18.8	18.5	0721 141	473.00
Contact	point type "	l", fixed arr	m, ca	arbide ball	Ø 1.5 mm, moving arm,	cutting (chisel) radius	R = 0.4 mm			
		0	-	10	0.005	35	18.8	0.9	0721 142	473.00
Contact	point type "	K", carbide	ball	I Ø 1.5 mm						
		0	-	10	0.005	35	19.1	18.6	0721 143	473.00
		0	-	20	0.01	85	24.6	24.6	0721 144	473.00
Contact _I	point type "	L", carbide	ball	Ø 1.5 mm,	1 straight probe arm					
		0	-	20	0.01	80	24.7	2.5	0721 145	473.00
Contact	point type "	P", carbide	ball	I Ø 5.0 mm						
		0	-	10	0.1	36	5.0	5.0	0721 140	134.00
Contact _I	point type "	K", carbide	ball	l Ø 3.0 mm						
		0	-	50	0.05	167	30.0	30.0	0721 148	720.00
Contact	point type "	L", carbide	ball	Ø 3.0 mm,	1 straight probe arm		'			
		0	-	50	0.05	169	30.0	4.6	0721 149	720.00













Specification



Protection class IP67

Electronic functions

- ON/OFF switch
- mm/inch conversion
- Absolute/relative measurement
- Tolerance function
- Red/green indication
- (LED) for tolerance measurements
- Data output

Shipment









网		Meas	urinç	j range	Reading	Measuring depth	For gi	rooves	Ref. No.	List price
		mm			mm		max. depth	min. width		Euro
Contact p	point type "	B", carbide	ball	dia 0.6 mn	1					
-		5	-	15	0.005	35	2.3	0.8	0721 731	506.00
Contact p	point type "	C", carbide	ball	Ø 1.0 mm						
		10	-	30	0.01	85	5.2	1.2	0721 732	506.00
		20	-	40	0.01	85	7.0	1.2	0721 733	506.00
		30	-	50	0.01	85	7.0	1.2	0721 734	506.00
Contact p	point type "	C", carbide	ball	Ø 1.3 mm		'	'			
		13	-	43	0.02	127	5.7	1.6	0721 738	645.00
Contact	point type '	'D", carbide	e bal	I Ø 2.0 mm		1				
		50	-	80	0.02	132	8.3	2.4	0721 739	645.00
Contact	point type '	C", carbide	e bal	l Ø 1.5 mm		'		'		'
		15	-	65	0.02	188	5.5	1.9	0721 740	890.00







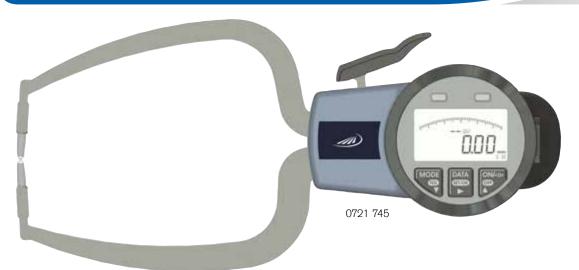


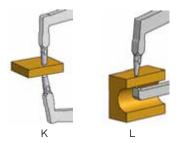


0721 Digital external caliper gauges









Electronic functions

- ON/OFF switch
- mm/inch conversion
- Absolute/Relative measurement
- Tolerance function
- Red/green-indication (LED) for tolerance measurements
- Data output

Specification

Protection class IP67

Shipment

Cardboard box

M M	Measuring range mm	Reading mm	Measuring depth mm	Contact poi	int length fixed	Ref. No.	List price Euro					
Contact point type "K", carbide ball Ø 1.5 mm												
	0 - 20	0.01	85	24.7	24.6	0721 741	506.00					
Contact point type '	'K", carbide ball Ø 3.0 mm											
	0 - 30	0.02	116	30.0	30.0	0721 745	645.00					
Contact point type '	'L", carbide ball Ø 3.0 mm,	straight lower probe arm										
	0 - 30	0.02	116	30.0	4.0	0721 746	645.00					
Contact point type '	'K", carbide ball Ø 3.0 mm											
	0 - 50	0.02	167	30.0	30.0	0721 747	890.00					

0721 Accessories for caliper gauges





	Ket. No.	List price Euro
Data interface (adapter and cable) for USB*	0721 786	135.00
Data interface (adapter and cable) for Digimatic*	0721 785	135.00

When placing an order, please specify the reference no. and the type of the caliper gauge.







0727 Set of DIGI-MET® 2 point internal micrometers











Specification

- Switchable increment value 0.01/0.001/0.0005 mm
- Protection class IP65
- LCD-display 6 mm
- Hard chrome plated measuring head
- For fast and accurate measurements of small holes
- Compact design in ballpoint pen and can be used everywhere for mobile use
- Setting with setting ring

Electronic functions

- ON/OFF switch
- mm/inch conversion
- Hold function
- Data output RS 232 Proximity
- PRESET Function (setting a numerical value)

Shipment

Wooden case

树		Measuring range		Measuring depth mm		g depth	Repeatability	No. of	Setting ring	Ref. No.	List price	
M	/=	mm				1	μm	probes	dia. mm		Euro	
		0.95	-	1.55	0.60	-	11	1	5	1 / 1.1 / 1.2 / 1.3 / 1.4	0727 752	2,450.00
		1.50	-	2.45	0.90	-	17	1	3	1.75 / 2 / 2.25	0727 755	1,540.00
		2.25	-	4.25	1.20	-	22	1	7	2.5 / 2.75 / 3 / 3.25 / 3.5 / 3.75 / 4	0727 758	2,190.00
		3.65	-	6.35	2.00	-	40	1	5	4 / 4.5 / 5 / 5.5 / 6	0727 761	1.740.00

Depth stops for 0727





M	7	Meas	Measuring I		Ref. No.	List price Euro
		0.95	-	1.55	0727 772	21.50
		1.50	-	2.45	0727 775	21.50
		2.25	-	4.25	0727 778	21.50
		3 65	_	6 35	0727 781	2150

Accessories	Ref. No.	List price Euro
Battery, 1.5V type 357	0220 204	3.50
IISB-keyhoard interface cable BS 232 Proximity	0997 779	232 በበ









0726 Internal precison bore gauges, set for smaller bores





Specification

- 2 point comparator measuring instrument with

- split probe + measuring pin

 Excludes a dial gauge

 Without a setting ring

 Mounting hole Ø 8 mm

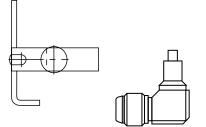
 Ideal in conjunction with dial gauges or dial comparator gauges

Shipment

Wooden case

M		Nominal meas. range	Effective meas. range	Measuring depth	Number of probes	Ref. No.	List price
NA	7	mm	mm	mm			Euro
ardened	chrome fin	ished probe					
		4.5 - 7.5	4.15 - 7.8	41-45	7	0726 310	640.00
		8.0 - 12.0	7.7 - 12.5	45	6	0726 311	655.00
		4.5 - 12.0	4.15 - 12.5	41-45	13	0726 312	1,040.00
		13.0 - 20.0	12.2 - 20.6	45	8	0726 313	750.00
arbide ti	pped probe						
		1.0 - 1.4	0.95 - 1.55	13	5	0726 500	645.00
		1.75 - 4.0	1.5 - 4.2	17-25	10	0726 501	920.00
		1.0 - 4.0	0.95 - 4.2	13-25	15	0726 502	1,430.00
		4.5 - 7.5	4.15 - 7.8	41-45	7	0726 510	980.00
		8.0 - 12.0	7.7 - 12.5	45	6	0726 511	935.00
		4.5 - 12.0	4.15 - 12.5	41-45	13	0726 512	1,750.00
		13.0 - 20.0	12.2 - 20.6	45	8	0726 513	1,080.00

Accessories for 0726



M			suri mm	ng range	Ref. No.	List price Euro
Clamp wit	h depth s	top				
		1.0	-	4.0	0726 122	138.00
		4.5	-	9.0	0726 123	126.00
		10.0	-	20.0	0726 124	119.00
Angle prot	e 90°	•				
		1.0	-	20.0	0726 130	218.00

Set of setting rings



M		For measuring range mm		•	Set pieces	Ref. No.	List price Euro
		1.0	-	1.4	5	0726 300	281.00
		8.0	-	12.0	6	0726 301	282.00
		1.0	-	4.0	15	0726 302	895.00
		4.5	-	12.0	13	0726 303	635.00
		13.0	-	20.0	8	0726 304	395.00
		1.75	-	4.0	10	0726 305	485.00
		4.5	-	7.5	7	0726 306	315.00





0728 Internal precison bore gauges for large and deep bores





Specification

- 2 point comparator measuring instrument to determine the reversal point
- Centering plate
- Mounting hole Ø 8 mm
- Ideal in conjunction with dial gauges or dial comparator gauges
- Excludes dial gauge

Shipment

Wooden case



M	7	Measuring	Measuring	Repeatability	Number of	Measuring discs	Ref. No.	List price
N	7	range mm	depth mm	μm	measuring pins			Euro
Fixed me	asuring pin	s, hardened spec	ial steel, interchan	geable contact pins	carbide tipped			
		18 - 35	110	0.5	9	2	0728 105	365.00
		35 - 60	138	0.5	7	2	0728 106	355.00
		50 - 100	177	0.5	11	3	0728 107	405.00
		100 - 160	234	0.5	7	4	0728 108	565.00
		160 - 290	234	0.5	7	4	0728 109	815.00
		280 - 510	400	1.5	7	4	0728 110	1,925.00
Fixed me	asuring pin	s and interchang	eable contact pins,	both pins are carbic	le tipped			
		4.5 - 6	80	0.5	9	_	0728 201	930.00
		6 - 8	100	0.5	7	_	0728 202	665.00
		8 - 12	100	0.5	9	_	0728 203	620.00
		12 - 20	110	0.5	9	1	0728 204	430.00
		18 - 35	110	0.5	9	2	0728 205	435.00
		35 - 60	138	0.5	7	2	0728 206	415.00
		50 - 100	177	0.5	11	3	0728 207	485.00
		100 - 160	234	0.5	7	4	0728 208	630.00
		160 - 290	234	0.5	7	4	0728 209	835.00
		280 - 510	400	1.5	7	4	0728 210	1,970.00

0728 Setting device for internal precison bore gauges





Specification

- 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
- Supplied with: Stand (excludes gauge blocks)

Shipment

Wooden case

M	7	For measuring range mm	Accuracy µm	Ref. No.	List price Euro
		4.5 - 160	2.0	0728 910	1,150.00
		18 - 290	2.0	0728 915	1,140.00
		160 - 510	2.0	0728 920	1,650.00















0735 Crankshaft gauges





Specification

- · 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

Shipment

Wooden case

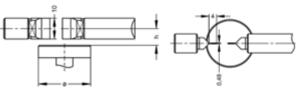


M		Measuring range mm	Reading mm	Ref. No.	List price Euro
		45 - 150	0.01	0735 101	377.00
		60 - 300	0.01	0735 102	340.00
		60 - 500	0.01	0735 103	395.00

0736 Length measuring instruments for external incisions







Specification

- Ideal for serial measurements of incision diameters on turned parts
- Narrow measuring faces made of hardened steel
- High precision ball guide of the transmission bolt
- Round support table, height adjustable, clamped for setting the exact measuring position
- Heavy stand
- Base unit in the angular grid 0°/30°/60°/90°
- Titled and clamped
- Support for indicators with shaft Ø 8 mm
- Display devices: analogue or digital indicators
- Versions with other measuring inserts are available upon request

Shipment

- Without digital indicator (indicators see pages 118 and following)
- Cardboard box

M	1	Measuring range	Support table-Ø	Max. distance "h"	Ref. No.	List price
NN		mm	mm	mm		Euro
		0 - 10	25	8	0736 101	870.00
		0 - 25	38	13	0736 102	938.00
		25 - 50	50	35	0736 103	1,005.00





0737 Length measuring instrument for internal incisions







Specification

- Ideal for serial measurements of internal incision diameters
- · High precision probe guidance with a constant measuring force
- Adjust the height with a gauge block
- Set the diameter with a setting ring
- Measuring table plate size 110 x 73 mm
- Mounting hole Ø 8 mm
- Ideal for analogue and digital dial gauges as well as electronic probes
- Optional angled probes made of hardened steel

Shipment

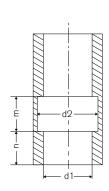
- Without probe
- Cardboard box

M		Internal diameter mm		Ref. No.	List price Euro
		4	- 56	0737 101	847.00

Measuring probes (pair) made of hardened steel for 0737







M	7	For bor	e dia mm	. "d1"	Max. incision dia. "d2"	Min. groove width "m" Ø mm	Adjustable meas. height "n" mm	Ref. No.	List price Euro
		Δ	-	28	d1 + 2 mm	0.74	0 - 8	0737 121	84.00
		6.5 - 30			d1 + 4 mm	1.0			84.00
		13	-	38	d1 + 2 mm	1.2	0 - 18	0737 123	84.00
		20.5	-	51	d1 + 4 mm	1.2	0 - 25	0737 124	84.00









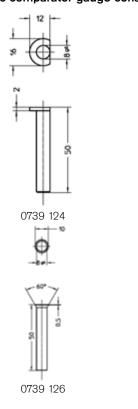
0739 Universal comparator gauge







Basic comparator gauge consists of:



Specification

- 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 digitial 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

- Internal measurements: 21 - 200 mm
- External measurements: 0 - 180 mm
- Repeatability: 2 µm
- Mounting hole for a dial gauge: Ø 8 mm
- Supplied with: Pair of measuring inserts 0739 126 and 0739 124, holder for measuring inserts 0739 164 and 0739 165

Shipment

Aluminium case

M	Dimensions mm	Ref. No.	List price Euro
	150 x 150 x 68	0739 102	1,644.00



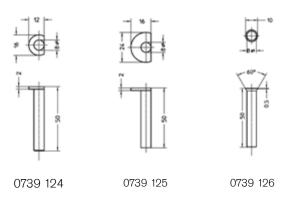
0739 164

0739 165



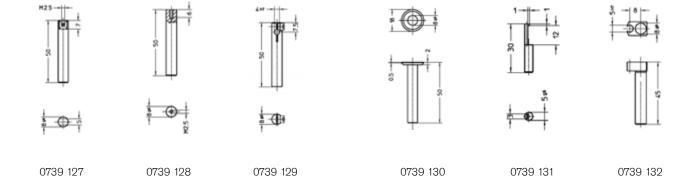
0739 Pairs of measuring inserts



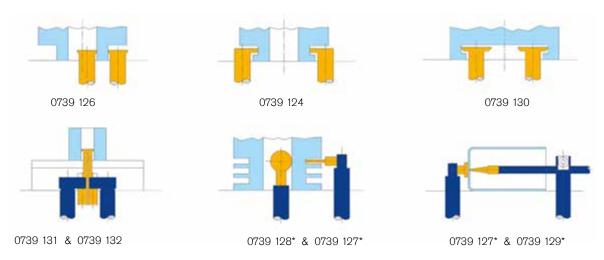


M		Item	Ref. No.	List price Euro
		Probe pair	0739 124	99.00
		Probe pair	0739 125	103.00
		Probe pair	0739 126	59.00
		Probe holder	0739 127*	94.00
		Probe holder	0739 128*	59.00
		Probe holder	0739 129*	114.00
		Probe pair	0739 130	95.00
		Small probe pair	0739 131**	103.00
		Holder pair for 0739131	0739 132	137.00

- $^{\star}~$ For further information regarding probes Ref. No. 0739 127 to 0739 129 see Ref. No. 0710 ... starting on page 131
- ** Required holder No. 0739 132



Application examples:





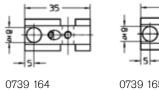






0739 Holder for measuring inserts short / long



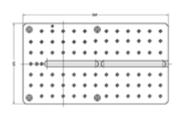


	120
§ •••	•
0739 165	

M	7	Ref. No.	List price Euro
Holder, short		0739 164	35.60
Holder, long		0739 165	44.00

0739 Large supporting table

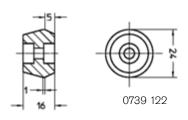




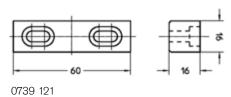
М	Dimensions mm	Internal measurement mm	External measurement mm	Ref. No.	List price Euro
	269 x 149	21 - 320	0 - 300	0739 170	176.00

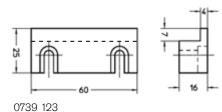
0739 Stop pieces



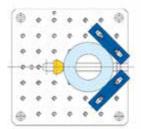


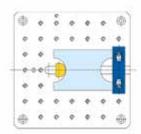
M	7	Item	Ref. No.	List price Euro
		Stop cuboid	0739 121	84.00
		Stop disc	0739 122	95.00
		Stop stepped cuboid	0739 123	87.00

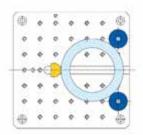


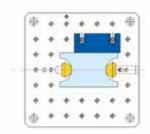


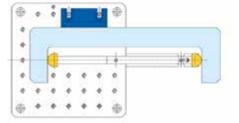
Application examples:

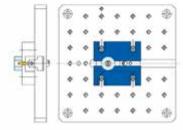


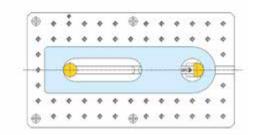














0741 Universal comparator gauge UHRTAST













Specification

- 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, a setting ring or a micrometer
- The measuring range of the moveable measuring arm is 18 mm

Shipment

Wooden case















0741 Basic comparator gauge





Specification

- 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, a setting ring or a micrometer

 The measuring range of the moveable measuring arm is 18 mm

Shipment

Wooden case

M	7	Internal measurement External measuremen		Ref. No.	List price
PIN		mm	mm		Euro
		15 - 230	5 - 220	0741 101	1.720.00

Extensions





M		Length	nei. Nu.	LIST Price
PIN	/1	mm		Euro
		100	0741 112	240.00
		200	0741 114	254.00
		500	0741 116	388.00



0741 114





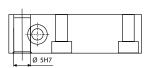












M		Ref. No.	List price Euro
		0741 170	158.00

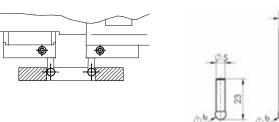
Pairs of ball measuring inserts





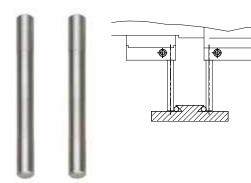






Pair of cylindrical measuring inserts





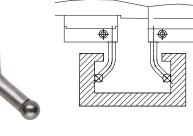
M		Length mm	Ref. No.	List price Euro
		52	0741 180	106.00
<u>\$5</u>				

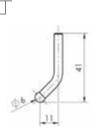
Pair of offset measuring inserts











M	7	Ref. No.	List price Euro
		0741 182	176.00







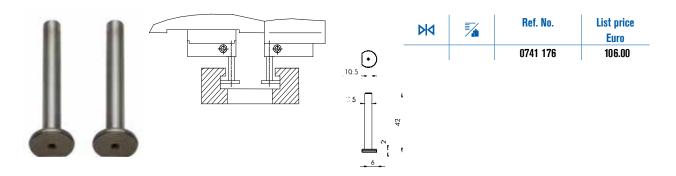






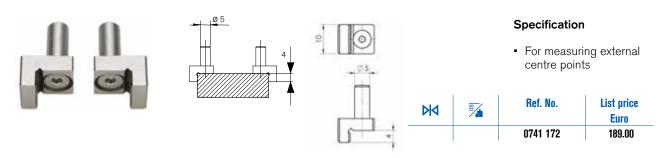
Pair of measuring inserts with discs





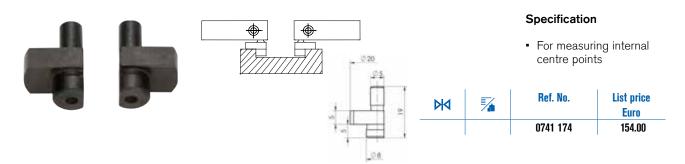
Pair of shoulder measuring inserts





Pair of shoulder measuring inserts









Pairs of measuring arms





0741 122



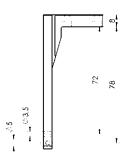




- Measuring arms are reversible for internal and external measurement
- Mounting bores: 3.5 and 5 mm

M	Length mm	Ref. No.	List price Euro
	40	0741 122	249.00
	80	0741 124	299.00



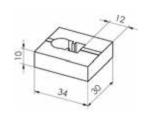


Pair of depth stop attachment for measuring arms









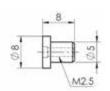
M	Ref. No.	List price Euro
	0741 136	232.00

Pair of adapters 5 mm for measuring inserts M2.5









Specification

 All measuring inserts for dial gauges with M2.5 can be used (measuring inserts please refer to pages 132 - 134)

М		Ref. No.	List price Euro
		0741 132	81.00





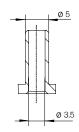


Pair of adapters for thread measuring inserts (pair)









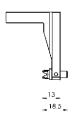
Specification

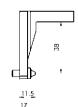
- Adapter for thread measuring inserts with a long shank
- Measuring inserts that have a short shank, the adapter is not required

M	7	Ref. No.	List price Euro
		0741 134	141.00

Pairs of thread measuring inserts for metric internal thread







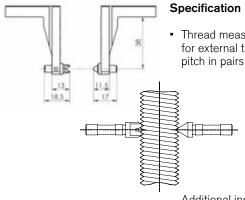


Thread measuring inserts for internal thread, metric pitch in pairs

M		Pitch			Ref. No.	List price
NN	/=		mm			Euro
		1.0	-	1.25	0741 163	202.00
		1.5	-	1.75	0741 164	202.00
		2.0	-	2.5	0741 165	202.00
		3.0	-	3.5	0741 166	202.00
		4.0	-	5.0	0741 167	202.00
		5.5	-	6.0	0741 168	202.00

Pairs of thread measuring inserts for metric external thread





pecification	М		Pitch	Ref. No.	List price
There are no a courie as in a certa	PIN	/	mm		Euro
Thread measuring inserts – for external thread, metric –			0.35	0741 140	177.00
pitch in pairs			0.4 - 0.45	0741 141	100.00
piter in paire			0.5 - 0.6	0741 142	100.00
			0.7 - 0.8	0741 143	100.00
			1.0 - 1.25	0741 144	100.00
_			1.5 - 1.75	0741 145	100.00
			2.0 - 2.5	0741 146	100.00
_			3.0 - 3.5	0741 147	100.00
_			4.0 - 5.0	0741 148	100.00
_			5.5 - 6.0	0741 149	100.00

Additional inserts for whitworth and ISO-trapezoidal threads, see Ref. No. 0870 ... on page 101

Measuring table





Specification

 Consists of a support table dia. = 180 mm, holder for probe, supports

M	7	Ref. No.	List price Euro
		0741 184	600.00





0750 Universal indicator stands with magnetic base



Specification

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

Shipment



0753 110

M		Height of column	Reach	Column / Arm	Magnetic base	Magnetic force	Ref. No.	List price
M		mm	mm	dia. mm	LxBxHmm	N		Euro
		230	140	16/12	60 x 50 x 55	500	0753 110	23.00
		285	180	16/16	60 x 50 x 55	600	0753 120	57.00











0750 Universal indicator stands with magnetic base and combi clamp









Specification

- Chrome plated columnsBase with V-grooveMagnet with ON/OFF switch
- Combi clamp:
- Ø 8 mm for dial gauges, swallow tail clamp for dial test indicators
- Integrated fine adjustment

Shipment

- Without indicator
- Cardboard box

M	1	Height of column mm	Reach mm	Column / Arm Ø mm	Magnetic base L x B x H mm	Magnetic force N	Ref. No.	List price Euro			
Crosshead clamp											
		285	180	16/16	70 x 46 x 65	600	0750 101	129.00			
		500	180	20/16	75 x 60 x 80	800	0750 102	172.00			

Accessories	Ref. No.	List price Euro
Wooden case for 0750 101 + 0750 102	0750 601	23.20

Pillar with transverse arm and fine adjustment





M	7	For ref.	Ref. No.	List price Euro
		0750 101	0750 121	79.00
		0750 102	0750 122	89.00

Magnetic base





M	7	Thread	Dimensions L x W x H	Magnetic force N	Ref. No.	List price Euro
		M10	70 x 46 x 65	600	0750 111	55.00
		M12	75 x 60 x 80	800	0750 112	101.00





0752 Magnetic indicator stands with central lock





Specification

- 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
- Integrated fine adjustment

Shipment

Cardboard box

M		Max height	Radius	Column / Arm	Magnetic base	Magnetic force	Ref. No.	List price
	/ •••	mm	mm	dia. mm	L x W x H mm	N		Euro
		310	260	10	70 x 46 x 65	600	0752 101	133.00
		370	320	18	70 x 46 x 65	600	0752 103	170.00

0754 Universal magnetic holder





Specification

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

Shipment

Na		Max. height	Support face	Magnetic force	Ref. No.	List price
NIA		mm	mm	N		Euro
		57	70 x 35	260	0754 101	91.00











0751 Magnetic indicator stands with flexible arm







Specification 0751 103

- With articulated (flexible) arm
- Eccentric clamp by lever
- Switch magnetic base,

Specification 0751 104

- Fixed column
- With fine adjustment Flexible transverse arm
- Switch magnetic base,

Shipment

Cardboard box

M		Height of column mm	Base L x W x H mm	Magnetic force N	Ref. No.	List price Euro				
Heavy du	leavy duty stand									
		350	70 x 45 x 65	600	0751 103	109.00				
Clamping	lamping via. the star knob screw									
		350	70 x 45 x 65	600	0751 104	127.00				

0756 Universal magnetic holder





Specification

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

Shipment

Nd	7	Max. height	Support face	Magnetic force	Ref. No.	List price
MIN		mm	mm	N		Euro
		45	72 x 37	180	0756 101	55.00









0770 Compact measuring stands





0770 102

Specification

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

Shipment





ÞИ		Measuring height	Reach	Column	Transverse arm	Table surface	Ref. No.	List price
N		mm	mm	dia. mm	dia. mm	mm		Euro
With fixe	d arm							
		100	49	22	_	Ø 50	0770 102	163.00
		100	49	22	_	60 x 68	0770 103	206.00
With adju	istable tra	nsverse arm						•
		100	100	22	18	60 x 68	0770 201	208.00
		150	135	28	20	98 x 115	0770 205	322.00











0772 Measuring stand





Specification

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

Shipment

Cardboard box

NA	≣7∡	Measuring height	Reach	Column	Transverse arm	Table surface	Ref. No.	List price
NN		mm	mm	dia. mm	dia. mm	mm		Euro
		160	200	35	22	170 x 215	0772 024	701.00

0785 Precision measuring stands





Specification

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

Shipment

M	1	Meas. height	Reach	Column	Transverse arm	Table surface	Ref. No.	List price		
NN		mm	mm	dia. mm	dia. mm	mm		Euro		
		200	200	35	22	150 x 260	0785 108	590.00		
	•	220	220	35	22	300 x 350	0785 109	1,446.00		
Anti-twist (secured against rotation) transverse arm										
	•	220	220	35	22	300 x 350	0785 110	1.662.00		



0763 Universal measuring support





Specification

- Column and transverse arm are chrome finished
- Heavy base plate with prismatic base and T-groove
- Column is moving and can be clamped in the T-groove Mounting clamp:
- Ø 8 mm for dial gauges, swallow tail clamp for dial test indicators
- · Fine adjustment

Shipment

Cardboard box

M	7	Height of column	Base dimensions	Transverse arm	Ref. No.	List price
		mm	L x W x H mm	dia. mm		Euro
		300	250 x 60 x 35	16/16	0763 100	258.00

0780 Bench centres





Specification

- · 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
- Tailstocks height 75 mm with integrated V-groove support ②
- Quick-clamping device by clamping lever ①
- With T-groove and support column
- With mounting hole for dial gauges Ø8 mm

Shipment

M	1	Height of centres	Max. work load	Width between centres	Centre dia.	Width of T grooves	Base	Ref. No.	List price
NN		mm	per tailstock (kg)	mm	mm	mm	mm		Euro
		50	5	200	16	10	350 x 110	0780 101	559.00
		50	5	350	16	10	500 x 110	0780 102	709.00
		75	5	200	16	10	350 x 110	0780 104*	639.00
		75	5	350	16	10	500 x 110	0780 105*	728.00
	•	100	20	450	22	12	700 x 180	0780 107	1,833.00
		150	20	450	22	12	700 x 180	0780 108	2,043.00

^{*} With integrated V-groove support on the tailstocks















0780 Bench centres for heavy workpieces





Specification

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 ①
- Tailstocks 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

Shipment

Cardboard box

M		Height of centres	Max. work load	Width between centres	Centre dia.	Width of T grooves	Base	Ref. No.	List price
N		mm	per tailstock (kg)	mm	mm	mm	mm		Euro
	•	100	40	450	22	12	700 x 180	0780 141	1,955.00
	•	150	40	450	22	12	700 x 180	0780 142	2,212.00

Pair of v-support inserts





M	7	For height of centres mm	V-support dia. mm	Ref. No.	List price Euro
		50/75	3 - 15	0780 021	81.00
		100	8 - 45	0780 023	123.00

• These v-support inserts replace the pointed inserts in the tailstocks

Replacement support column





M	For height of centres mm	Height of column mm	For width of T grooves mm	Ref. No.	List price Euro
	50/75	200	10	0780 072	97.00
	100	240	12	0780 073	170.00
	150	440	12	0780 074	195.00



Left tailstocks with a rotating collet chuck





М	7	Height of centres mm	For width of T-grooves mm	Collet chuck mm	Ref. No.	List price Euro
		50	10	F10	0780 001	347.00
		75	10	F10	0780 002	385.00
		100	12	F14	0780 003*	600.00

- 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



Specification

- As included with the basic bench centre 0780
- 75 mm with V-groove support
- For heavy workpieces, height of centres 100 mm and 150 mm up to a single load of 40 kg on request

M	7	Height of centres mm	For width of T-grooves mm	Ref. No.	List price Euro
		50	10	0780 091	351.00
		75	10	0780 092	395.00
		100	12	0780 093	812.00
		150	12	0780 094	839.00

Pair of V-groove supports for 0780





- For workpieces without centering
- Functional test through applying on e.g. plain lateral surface
- Recognition of form errors

Specification

Specification

Are used in place of the

tailstocks on the base

- Are used instead of the tailstocks on the base
- V-groove surfaces are hardened, replaceable

· Runout tolerance of the

rollers: 0.005 mm





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

Pair of roller supports for 0780





Application

M

- For workpieces without centering
- Functional test through applying on e.g. plain lateral
- Recognition of form errors

	Height*	Width of T grooves	Surface	Ref. No.	List price	
	mm	mm	dia. mm		Euro	
	65	10	3 - 30	0780 042	178.00	
	100	12	4 - 60	0780 043	241.00	

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













0783 Bench centre







Specification

- 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

Shipment

- Wooden box
- Supplied with:Work bench
- Support post
- 1 pair of tailstocks with pointed alignment centre 60° MK 2

M		Height of centres	Max. work load per tailstock	Width between centres	Width of T-grooves	Base	Ref. No.	List price
		mm	kg	mm	mm	mm		Euro
	•	200	24	650	14	1100 x 180 x 140	0783 012	3,274.00

M	7	For centre height mm	Width of T-grooves mm	Ref. No.	List price Euro
Pair of ta	ilstocks				
	•	200	14	0782 191	1,083.00
Support	post				
		200	14	0783 070	273.00
Pointed a	lignment co	entre, mount MK 2			
		200	_	0782 181	208.00

0783 Pair of roller supports





M		Height* mm	For width of T-grooves mm	Surface dia. mm	Ref. No.	List price Euro
		200	14	25 - 100	0782 160	653.00

based on the centre of an axis of a shaft \emptyset 32 mm



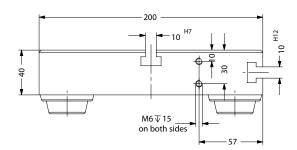




0784 Concentricity measuring gauge with disc supports







Specification

- 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
- Includes the support post,

excludes a dial gauge

- Concentricity accuracy 5 μm
- Load capacity max. 50 kg (25 kg per tailstock)

Shipment

Wooden box

М		Max. distance between discs	Max. workpiece	Discs	Ref. No.	List price
NIA	/	mm	dia. mm	dia. mm		Euro
		400	250	120	N 7 84 1N8	2 864 00











0788 Shaft measuring instrument







Specification

- 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 hardened steel
- Load capacity max. 20 kg

Shipment

- Not supplied with a height gauge
 Cardboard box

Ref. No.

0788 180

List price

Euro

212.00

Application

168

M	1	Height of centres	Width between centres	Width of T-grooves	Base	Ref. No.	List price
		mm	mm	mm	mm		Euro
	•	75	550	10H7	200 x 120	0788 104	1,044.00







0788 Shaft measuring instrument lightweight







Specification

- 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 anodised aluminium profile
- Aluminium tailstocks
- Load capacity max. 15 kg

Shipment

- Not supplied with a height gauge
- Cardboard box

Ref. No.

List price

Application

M	7	Height of centres	Width between centres	Width of T-grooves	Base	Ref. No.	List price
		mm	mm	mm	mm		Euro
	•	75	550	10.1 + 0.1	200 x 150	0788 904	832.00

Accessories









