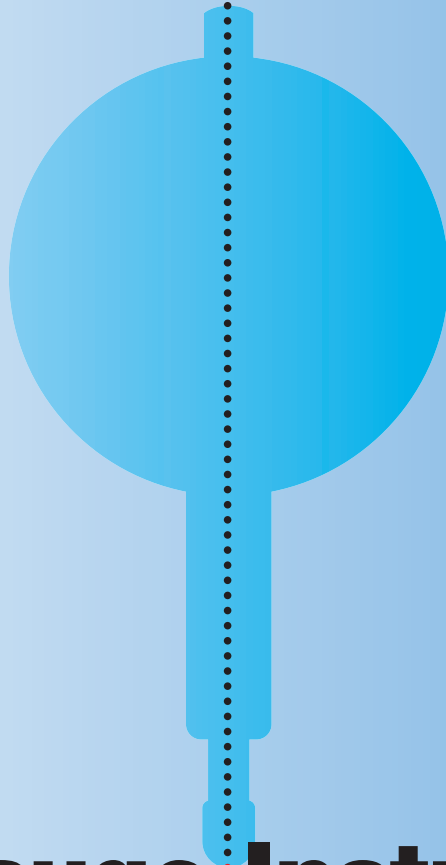




Dial Gauge Instruments

Dial Gauges

Gauge Stands

6

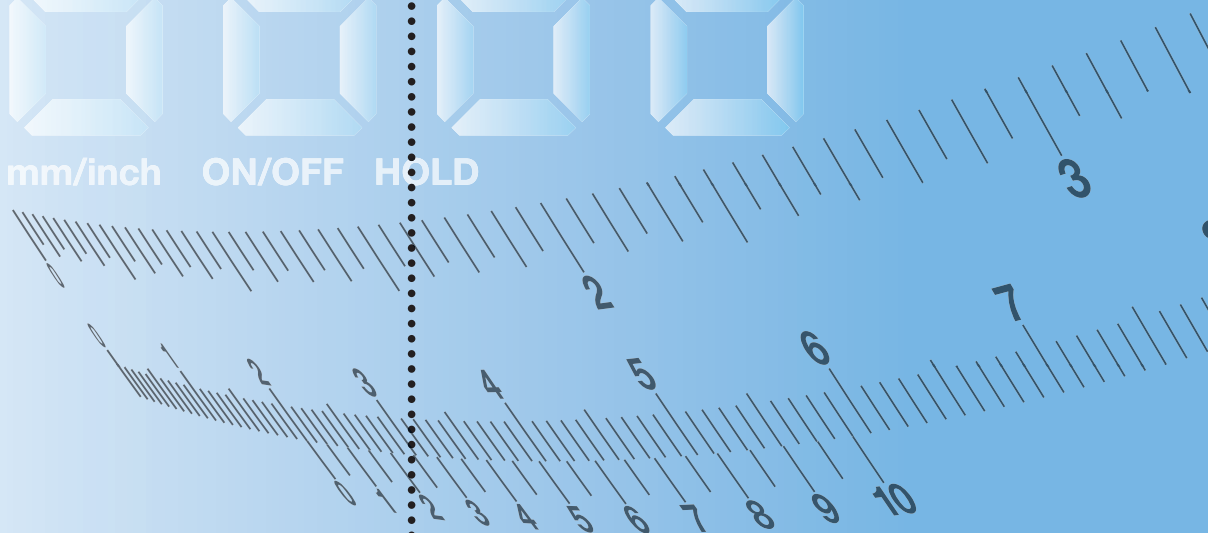
RESET



mm/inch

ON/OFF

HOLD



DIGI-MET® indicator 1722...., 1723...., 1724...



Helios



6

Specification

- Housing diameter 58 mm
- Replacement probe tip
M 2.5 mm
- **Protection class IP 51
according to IEC 529**
- Clamping shank dia. 8 mm
- LCD display 8.5 mm
- Measuring force 0.5 - 1.1 N
- Manufacturers standard
- Version with reading 0.005 mm
according to DIN 878

Electronic functions

- Variable data output RS 232 +
Digimatic + USB
- On/off switch
- Zero setting at any point
- Reversal of counting direction
- mm/inch conversion
- +/- Preset function/setting a
numerical value

		Meas. range		Reading		Accuracy	kg	Ref. No.	€
		mm	inch	mm	inch	mm			
•		12.5	0.5	0.01	.0005	0.025	0.24	1722 502	
•		12.5	0.5	0.005	.0001	0.015	0.24	1723 502	
		12.5	0.5	0.001	.00005	0.005	0.24	1724 502	

i

	Ref. No.
Battery, 3V lithium	0220 704
Cable for USB	1998 720
Cable for RS 232	1997 501
Cable for Digimatic	1998 501

DIGI-MET® indicators 1726... and 1728...



Helios



Specification

- Aluminium housing
- Hardened rustproof spindle
- Outer ring dia. 60 mm
- Replacement probe tip M 2.5 mm
- **Protection class IP 42**
- Clamping shank dia. 8 mm h 6
- Revolving display module 280°
- With large LCD display, 11 mm high digits
- Manufacturers standard
- Supplied: carton

Electronic functions

- On/off switch
- Zero setting at any point
- mm/inch conversion
- ABS function (display can be set to zero without the loss of the reference to the preset value)
- Tolerance function
- Reversal of counting direction
- +/- PRESET function (setting a numerical value)
- Individual buttons can be locked
- **Variable** data output USB, Opto RS 232 or Digimatic

☐	✂	Meas. range		Reading		Accuracy mm	kg	Ref. No.	€
		mm	inch	mm	inch				
•		12.5	0.5	0.001	.00005	0.005	0.27	1726 502	287.00
•		25.0	1.0	0.001	.00005	0.005	0.27	1726 506	315.00
		50.0	2.0	0.001	.00005	0.006	0.28	1726 510	557.00
		100.0	4.0	0.001	.00005	0.008	0.37	1726 514	688.00
•		12.5	0.5	0.01	.0005	0.02	0.27	1728 502	239.00
•		25.0	1.0	0.01	.0005	0.02	0.27	1728 506	305.00
		50.0	2.0	0.01	.0005	0.02	0.28	1728 510	498.00
		100.0	4.0	0.01	.0005	0.02	0.37	1728 514	638.00



	Ref. No.	
Battery, 3V lithium	0220 704	3.20
Cable for USB	1998 720	59.00
Cable for RS 232	1997 501	41.60
Cable for Digimatic	1998 501	41.60

Cable release

☐	✂	Diameter mm	kg	Ref. No.	€
				1739 910	22.00

DIGI-MET® indicator w. tolerance function IP54 1730... / 1732...



Helios



Specification

- Aluminium housing
- Hardened rustproof spindle
- Outer ring dia. 60 mm
- Replacement probe tip M 2.5 mm
- **Protection class IP 54**
- Clamping shank dia. 8 mm h 6
- Revolving display module 280°
- With large LCD display, 11 mm high digits
- Manufacturers standard
- Supplied: carton

Electronic functions

- On/off switch
- Zero setting at any point
- mm/inch conversion
- ABS function (display can be set to zero without the loss of the reference to the preset value)
- Tolerance function
- Reversal of counting direction
- +/- PRESET **-function** (setting a numerical value)
- Individual buttons can be locked
- **Variable** data output USB, Opto RS 232 or Digimatic

Meas. range	Reading		Accuracy		Ref. No.	Preis
mm inch	mm	inch	mm	kg		€
• 12.5 0.5	0.001	.00005	0.005	0.27	1730 502	317.00
• 25.0 1.0	0.001	.00005	0.005	0.27	1730 506	358.00
• 12.5 0.5	0.01	.0005	0.02	0.27	1732 502	268.00
• 25.0 1.0	0.01	.0005	0.02	0.27	1732 506	337.00



	Ref. No.	
Battery, 3V lithium	0220 704	3.20
Cable for USB	1998 720	59.00
Cable for RS 232	1997 501	41.60
Cable for Digimatic	1998 501	41.60

6

DIGI-MET® indicator w. combined analog/digital display 1734...



Helios



Specification

- Aluminium housing
- Hardened rustproof spindle
- Outer ring dia. 60 mm
- Replacement probe tip M 2.5 mm
- **Protection class IP 42**
- Clamping shank dia. 8 mm h 6
- Revolving display module 280°
- With large LCD display, 8.5 mm high digits
- Manufacturers standard
- Supplied: carton

Electronic functions

- On/off switch
- Zero setting at any point
- mm/inch conversion
- ABS function (display can be set to zero without the loss of the reference to the preset value)
- Tolerance function
- Reversal of counting direction
- Dynamic functions: MAX, MIN, TIR
- +/- PRESET **-function** (setting a numerical value)
- Individual buttons can be locked
- **Variable** data output USB, Opto RS 232 or Digimatic

Meas. range	Reading		Accuracy		Ref. No.	€
mm inch	mm	inch	mm	kg		
• 12.5 0.5	0.001	.00005	0.005	0.27	1734 502	330.00
• 25.0 1.0	0.001	.00005	0.005	0.27	1734 506	378.00



	Ref. No.	
Battery, 3V lithium	0220 704	3.20
Cable for USB	1998 720	59.00
Cable for RS 232	1997 501	41.60
Cable for Digimatic	1998 501	41.60

Dial gauge 0701...



Specification

- Measuring pin made of stainless steel
- Replaceable probe tip
M 2.5 mm
- Clamping shank dia. 8 mm h 6
- Individually packed

Compact dial gauge, factory standard

🏠	✂	Meas. range mm	Reading mm	Pointer revolution	Outer ring dia. mm	📦 kg	Ref. No.	€
•		5	0.01	0.5	40	0.08	0701 101	

Compact dial gauge (shock proof) factory standard

🏠	✂	Meas. range mm	Reading mm	Pointer revolution	Outer ring dia. mm	📦 kg	Ref. No.	€
•		5	0.01	0.5	40	0.08	0701 102	

Dial gauge, DIN 878-A

🏠	✂	Meas. range mm	Reading mm	Pointer revolution	Outer ring dia. mm	📦 kg	Ref. No.	€
Plastic housing:								
•		10	1	1	58	0.11	0701 103	
Metal housing:								
•		10	1	1	58	0.19	0701 110	

Dial gauge (shock proof) DIN 878-A

🏠	✂	Meas. range mm	Reading mm	Pointer revolution	Outer ring dia. mm	📦 kg	Ref. No.	€
Injection moulded housing:								
•		10	0.01	1	58	0.11	0701 106	
Metal housing:								
•		10	0.01	1	58	0.19	0701 111	

Dial gauge 0700...

PREISSER®



Specification

- Metal housing
- Measuring pin made of stainless steel
- Replaceable probe tip M 2.5 mm
- Clamping shank dia. 8 mm / h 6
- Factory standard
- Individually packed

□	✕	Meas. range mm	Reading mm	Pointer revolution	Outer ring dia. mm	kg	Ref. No.	€
•		10	0.1	10	40	0.11	0700 100	
•		5	0.1	5	40	0.12	0700 101	
•		10	0.1	10	58	0.20	0700 102	
With mm dial:								
		30	0.1	10	58	0.24	0700 104	

Dial gauge 0702...

PREISSER®



Specification

- Metal housing
- Measuring pin made of stainless steel
- Replaceable probe tip M 2.5 mm
- Clamping shank dia. 8 mm / h 6
- With concentric dials
- DIN 878-A
- Individually packed

□	✕	Meas. range mm	Reading mm	Pointer revolution	Outer ring dia. mm	kg	Ref. No.	€
•		10	0.01	1	58	0.20	0702 106	

Dial gauge with extended measuring range 0703...



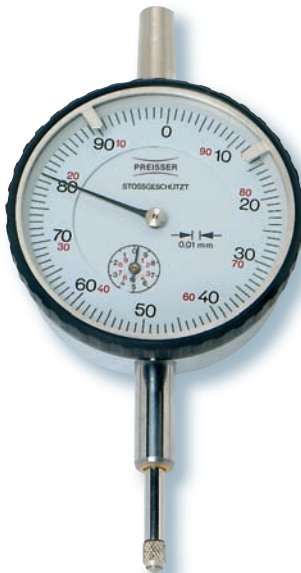
Specification

- Metal housing
- Measuring pin made of stainless steel
- Replaceable probe tip M 2.5 mm
- Clamping shank dia. 8 mm / h 6
- With concentric dials
- Factory standard
- Individually packed

⏏	⏏	Meas. range mm	Reading mm	Pointer revolution	Outer ring dia. mm	⏏ kg	Ref. No.	€
•		30	0.01	1	58	0.25	0703 101	
•		50	0.01	1	58	0.39	0703 104	
		80	0.01	1	58	0.45	0703 107	

6

Dial gauge (shockproof) 0704...



Specification

- Metal housing
- Measuring pin made of stainless steel
- Replaceable probe tip M 2.5 mm
- Clamping shank dia. 8 mm / h 6
- Individually packed

⏏	⏏	Meas. range mm	Reading mm	Pointer revolution	Outer ring dia. mm	⏏ kg	Ref. No.	€
DIN 878-A, with revolution counter:								
•		10	0.01	1	58	0.20	0704 105	
DIN 878-A, with fine needle adjustment:								
•		10	0.01	1	58	0.20	0704 106	
Factory standard, with concentric dials:								
		30	0.01	1	58	0.25	0704 109	
		50	0.01	1	58	0.39	0704 110	

Precision dial gauge 0705...

PREISSER®



Specification

- Metal housing
- Measuring pin made of stainless steel
- Replaceable probe tip M 2.5 mm
- Clamping shank dia. 8 mm / h 6
- With revolution counter
- Factory standard
- Individually packed

□	✕	Meas. range mm	Reading mm	Pointer revolution	Outer ring dia. mm	kg	Ref. No	€
		1	0.001	0.2	40	0.12	0705 102	
		1	0.001	0.2	58	0.21	0705 104	
		5	0.001	0.2	58	0.13	0705 105	

Precision dial gauge (shockproof)

□	✕	Meas. range mm	Reading mm	Pointer revolution	Outer ring dia. mm	kg	Ref. No	€
		1	0.001	0.2	40	0.12	0705 107	
		1	0.001	0.2	58	0.21	0705 109	

Dial gauge (shockproof) 0706...

PREISSER®



Specification

- Metal housing
- Measuring pin made of stainless steel
- Replaceable probe tip M 2.5 mm
- Clamping shank dia. 8 mm / h 6
- With 9 mm free travel
- DIN 878
- Individually packed

□	✕	Meas. range mm	Reading mm	Pointer revolution	Outer ring dia. mm	kg	Ref. No	€
		0.8	0.01	1	58	0.20	0706 102	

Water and oil-proof dial gauge 0707...



Specification

- Metal housing
- Measuring pin made of stainless steel
- Replaceable probe tip M 2.5 mm
- Clamping shank dia. 8 mm / h 6
- With rubber gaiter, waterproof and shockproof
- DIN 878-A
- Individually packed

🏠	🔍	Meas. range mm	Reading mm	Pointer revolution	Outer ring dia. mm	📦 kg	Ref. No	€
		10	0.01	1	61	0.30	0707 102	

Compact dial gauge 0708...



Specification

- Metal housing
- Measuring pin made of stainless steel
- Replaceable probe tip M 2.5 mm
- Clamping shank dia. 8 mm / h 6
- With revolution counter
- Individually packed

🏠	🔍	Meas. range mm	Reading mm	Pointer revolution	Outer ring dia. mm	📦 kg	Ref. No	€
DIN 878-E:								
•		5	0.01	0.5	40	0.12	0708 102	
DIN 878-D:								
		3	0.01	0.5	32	0.07	0708 103	
		3	0.01	0.5	40	0.12	0708 104	

Compact dial gauge (shockproof)

🏠	🔍	Meas. range mm	Reading mm	Pointer revolution	Outer ring dia. mm	📦 kg	Ref. no	€
DIN 878-D:								
		3	0.01	0.5	40	0.12	0708 105	
DIN 878-E:								
		5	0.01	0.5	40	0.12	0708 106	

Dial gauge with reverse-action measuring probe 0709...

PREISSER®



Specification

- Metal housing
- Measuring pin made of stainless steel
- Replaceable probe tip M 2.5 mm
- Clamping shank dia. 8 mm / h 6
- For installation in gauges
- Factory standard
- Individually packed

🏠	🔍	Meas. range mm	Reading mm	Pointer revolution	Outer ring dia. mm	📦 kg	Ref. No.	€
		3	0.01	0.5	40	0.21	0709 101	

Precision indicator 0712...

PREISSER®



Specification

- Measuring pin made of hardened stainless steel
- Extra long measuring pin
- Replaceable probe tip M 2.5 mm
- With tolerance symbols
- Clamping shank dia. 8 mm h 6
- DIN 879
- With fine adjustment
- Individually packed

🏠	🔍	Meas. range mm	Reading mm	Free travel mm	📦 kg	Ref. No.	€
		0.5	0.01	2.5	0.23	0712 101	
		0.2	0.005	2.8	0.23	0712 102	
		0.2	0.002	2.8	0.23	0712 103	
		0.1	0.001	3.0	0.23	0712 104	

Accessories for precision indicators and dial gauges 0710...

PREISSER®

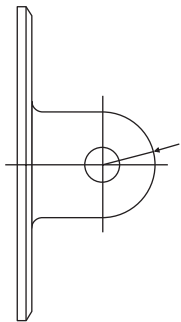


Magnetic back disc

Specification

- For dial gauges with 58 mm dia. outer ring
- For use with dial gauges without holders or supports
- Individually packed

⏏	⏏	⏏	Ref. No.	€
		kg		
		0.22	0710 101	

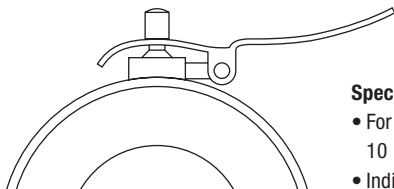


Backplate with clamping lug

Specification

- Diameter 5 mm
- For retrofitting
- Individually packed

⏏	⏏	⏏	Ref. No.	€
		kg		
For dial gauges with 40 mm dia. outer ring:				
		0.04	0710 102	
For dial gauges with 58 mm dia. outer ring:				
		0.05	0710 103	



Lifting lever

Specification

- For dial gauges with max. 10 mm measuring range
- Individually packed

⏏	⏏	⏏	Ref. No.	€
		kg		
For dial gauges with 40 mm dia. outer ring:				
		0.01	0710 104	
For dial gauges with 58 mm dia. outer ring:				
•		0.02	0710 105	

Angle lever attachment 0724...

PREISSER®



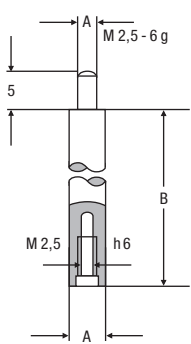
Specification

- With 8 mm / h7 mounting for dial gauge
- Dial gauge not supplied
- Smallest measurable hole 6 mm
- Scanning range 10 mm
- Individually packed

⏏	⏏	Meas.depth mm	⏏	Ref. No.	€
			kg		
		60	0.20	0724 101	

Extension for dial gauges 0710...

PREISSER®



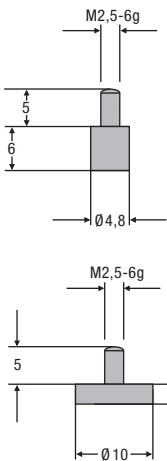
Specification

- Individually packed

		Length mm	 kg	Ref. No.	€
For measuring pins dia. 4 mm:					
•		10		0710 111	
•		15		0710 112	
•		20		0710 113	
•		25		0710 114	
•		30		0710 115	
•		35		0710 116	
•		40		0710 117	
•		45		0710 118	
•		50		0710 119	
•		55		0710 120	
•		60		0710 121	
•		65		0710 122	
•		70		0710 123	
•		75		0710 124	
•		80		0710 125	
•		85		0710 126	
•		90		0710 127	
•		95		0710 128	
•		100		0710 129	
For measuring pins dia. 5 mm:					
		10		0710 131	
		15		0710 132	
		20		0710 133	
		25		0710 134	
		30		0710 135	
		35		0710 136	
		40		0710 137	
		45		0710 138	
		50		0710 139	
		55		0710 140	
		60		0710 141	
		65		0710 142	
		70		0710 143	
		75		0710 144	
		80		0710 145	
		85		0710 146	
		90		0710 147	
		95		0710 148	
		100		0710 149	

Measuring inserts for dial gauges 0710...

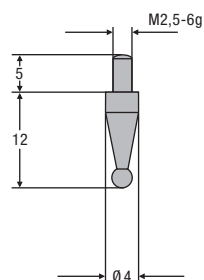
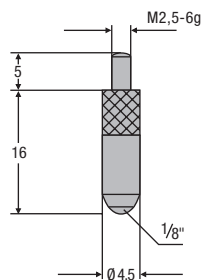
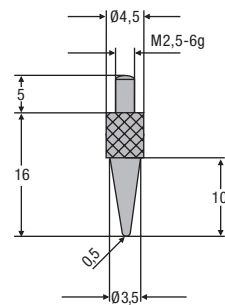
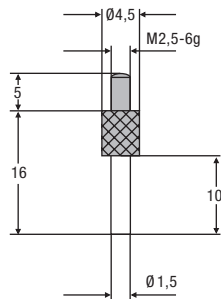
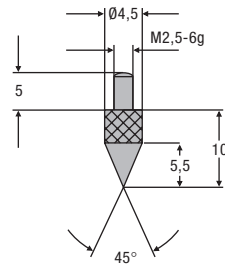
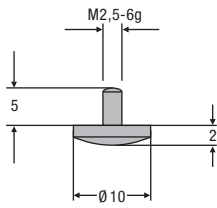
PREISSER®



		 kg	Ref. No.	€
•	Normal		0710 161	
	Carbide		0710 261	

		 kg	Ref. No.	€
•	Normal		0710 162	
	Carbide		0710 262	

Measuring inserts for dial gauges 0710...



House icon	Marked icon	kg	Ref. No.	€
•	Normal		0710 163	
	Carbide		0710 263	

House icon	Marked icon	kg	Ref. No.	€
•	Normal		0710 164	
	Carbide		0710 264	

House icon	Marked icon	kg	Ref. No.	€
•	Normal		0710 165	
	Carbide		0710 265	

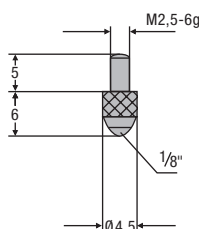
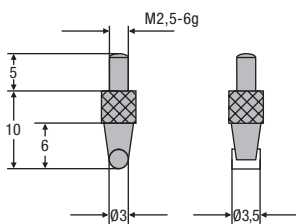
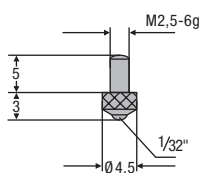
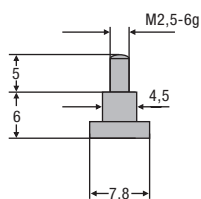
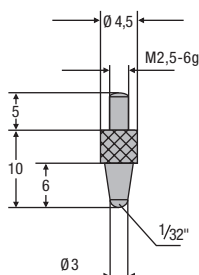
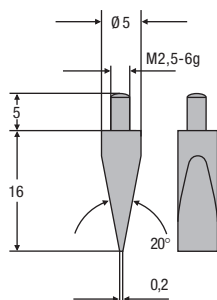
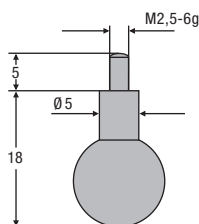
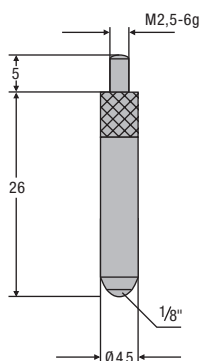
House icon	Marked icon	kg	Ref. No.	€
•	Normal		0710 166	

House icon	Marked icon	kg	Ref. No.	€
•	Normal		0710 167	
	Carbide		0710 267	
	Ruby tip		0710 367	
	Sapphire tip		0710 467	

House icon	Marked icon	Ball dia. mm	kg	Ref. No.	€
		1.0		0710 169	
		1.5		0710 170	
		2.0		0710 171	
		2.5		0710 172	
		3.0		0710 173	
		3.5		0710 174	
		4.0		0710 175	
		4.5		0710 176	
		5.0		0710 177	
		5.5		0710 178	
		6.0		0710 179	
		6.5		0710 180	

Measuring inserts for dial gauges 0710...

PREISSER



		kg	Ref. No.	€
•	Normal		0710 168	
	Carbide		0710 268	
	Ruby tip		0710 368	
	Sapphire tip		0710 468	

	Ball dia. mm	kg	Ref. No.	€
	7.0		0710 181	
	7.5		0710 182	
	8.0		0710 183	
	8.5		0710 184	
	9.0		0710 185	
	9.5		0710 186	
	10.0		0710 187	
	10.5		0710 188	
	11.0		0710 189	

		kg	Ref. No.	€
•	Normal		0710 192	
	Carbide		0710 292	

		kg	Ref. No.	€
•	Normal		0710 193	

		kg	Ref. No.	€
•	Normal		0710 194	

		kg	Ref. No.	€
•	Normal		0710 195	

		kg	Ref. No.	€
•	Normal		0710 196	

		kg	Ref. No.	€
•	Normal		0710 197	
	Carbide		0710 297	
	Ruby tip		0710 397	
	Sapphire tip		0710 497	

Lever gauge 0715...

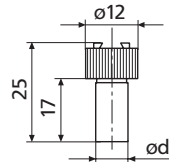


Specification

- Measuring inserts carbide tipped dia. 2.0 mm
- Type A according to DIN 2270
- Revolving dial
- 3-piece swallow tail guide
- Automatic reversal of the counting direction
- Supplied in: Plastic case, incl. clamping shank 8 mm and key for measuring inserts

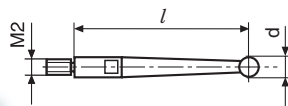
		Meas. range mm	Reading mm	Outer ring mm	Dial	 kg	Ref. No.	€
Measuring insert length 14.5 mm								
		0.8	0.01	30	0-40-0	0.15	0715 101	
		0.8	0.01	40.5	0-40-0	0.15	0715 103	
		0.2	0.002	40.5	0-100-0	0.15	0715 303	
Measuring insert length 41.2 mm								
		0.5	0.01	30	0-25-0	0.15	0715 201	

Clamping shank for lever gauge



 	Diameter mm	 kg	Ref. No.	€
	4h6		0715 903	
	8h6		0715 907	

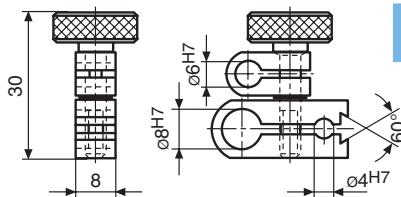
Measuring insert with carbide ball



		Ball mm	Length mm	 kg	Ref. No.	€
		1	14.5		0715 915	
		2	14.5		0715 917	
		3	14.5		0715 919	
		1	41.2		0715 925	
		2	41.2		0715 926	
		3	41.2		0715 929	

Measuring insert key

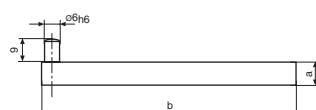
Ref. No.	kg	€
0715 940		



Universal clamp

Mounting hole dia. mm	kg	Ref. No.	€
4 and 8		0715 950	

Holder



🏠	🔍	Length mm	Dimension mm	📦 kg	Ref. No.	€
		100	9 x 9		0715 955	

Dial depth gauge 0716...

PREISSER®



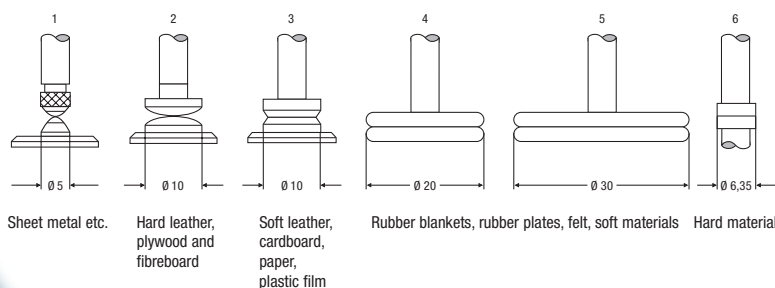
Specification

- Base made of chrome plated special steel
- Replaceable probe tip M 2.5 mm
- Revolving scale
- Bridge cross section 80 x 16 mm
- Factory standard
- Individually packed

Meas. range mm	Reading mm	Pointer revolution	Dial gauge dia. mm	kg	Ref. No.	€
0-10	0.01	1	58	0.41	0716 101	
Concentric dials:						
0-30	0.01	1	58	0.43	0716 102	

Thickness gauge 0718...

PREISSER®



Specification

- Aluminum alloy frame
- Factory standard
- When ordering, specify type of probe required
- Individually packed

Meas. range mm	Reading mm	Probe type	Frame depth mm	kg	Ref. No.	€
10	0.1	1-2-3-6	15	0.07	0718 101	
20	0.1	1-5	50	0.41	0718 104	
30	0.1	1-5	50	0.42	0718 105	
50	0.1	1-5	50	0.50	0718 106	
mm:						
30	0.1	1-5	200	0.98	0718 108	
30	0.1	1-5	300	1.47	0718 109	
30	0.1	1-5	400	1.88	0718 110	
With lift-off wheel and concentric dials, pointer revolution 1 mm:						
10	0.01	1-2-3-6	18	0.13	0718 112	
10	0.01	1-2-3-6	45	0.18	0718 113	
With lift-off mechanism, pointer revolution 1 mm:						
10	0.01	1-5	50	0.47	0718 115	

Thickness gauge 0720...



0720 102



0720 103

Specification

- With lift-off mechanism
- Factory standard
- Frame made of aluminium alloy, thermally insulated
- Measuring force 2 N
- Individually packed

		Meas. range mm	Reading mm	Frame depth mm	 kg	Ref. No.	€
Wall thickness gauge, roller dia. 8.7 mm:							
		10	0.01	50	0.20	0720 102	
Plastic film thickness gauge, flat measuring insert dia. 6.35 mm							
		1	0.001	30	0.47	0720 103	

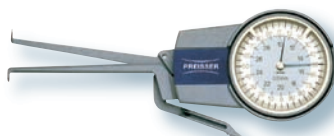
Inside caliper 0721...

PREISSER®



Internal calipers, carbide measuring faces

Meas. range mm	Reading mm	Probe depth mm	Groove D W	kg	Ref. No.	€
Radius of cut 0.1 mm:						
2.5-7.5	0.005	10	0.7 0.6	0.12	0721 100	
Ball dia. 0.6 mm:						
5-10	0.005	22	2.2 1.4	0.12	0721 101	
5-15	0.01	30	1.7 1.1	0.14	0721 102	
Ball dia. 1.0 mm:						
10-20	0.01	50	4.0 2.0	0.14	0721 103	
20-30	0.01	52	4.0 2.0	0.14	0721 104	
30-40	0.01	57	4.5 2.0	0.14	0721 105	



Internal calipers, carbide measuring faces

Meas. range mm	Reading mm	Probe depth mm	Groove D W	kg	Ref. No.	€
Ball dia. 1.0 mm:						
10-30	0.01	80	4.5 1.8	0.25	0721 120	
20-40	0.01	80	6.0 2.5	0.25	0721 121	
30-50	0.01	80	6.0 2.5	0.25	0721 122	
40-60	0.01	80	6.0 2.5	0.25	0721 123	
50-70	0.01	80	6.0 2.5	0.25	0721 124	
60-80	0.01	80	6.0 2.5	0.25	0721 125	
70-90	0.01	80	6.0 2.5	0.25	0721 126	
80-100	0.01	80	6.0 2.5	0.25	0721 127	



External calipers, carbide, waterproof

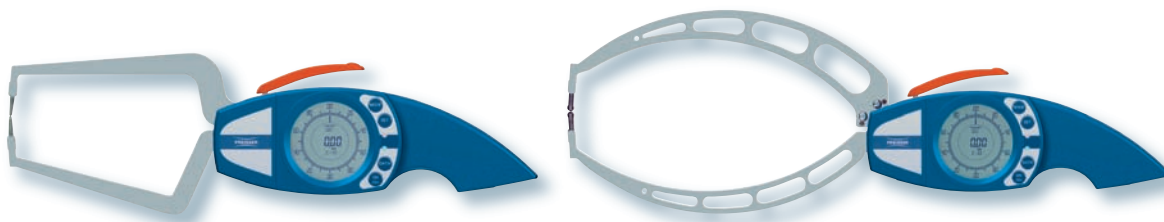
Meas. range mm	Reading mm	Probe depth mm	Groove D W	kg	Ref. No.	€
Radius of cut 0.4 mm:						
0-10	0.01	59	5.0 3.0	0.14	0721 141	
.4 mm:						
0-10	0.01	59	5.0 3.0	0.14	0721 142	
Ball dia. 1.5 mm:						
0-10	0.01	59	5.0 3.0	0.14	0721 143	
0-20	0.01	80	5.0 3.0	0.25	0721 144	
Ball dia. 1.5 mm, 1 straight probe arm:						
0-20	0.01	80	5.0 3.0	1.25	0721 145	
Ball dia. 2.0 mm:						
0-10	0.1	36	5.0 3.0	0.30	0721 140	
0-50	0.05	170	5.0 3.0	0.41	0721 146	
Ball dia. 2.0 mm, 1 straight probe arm:						
0-50	0.05	170	5.0 3.0	0.41	0721 147	

Digital caliper gauges 0721...



Internal digital caliper gauges, carbide

🏠	🔍	Meas. range mm	Reading mm	Probe depth mm	Groove D W	📦 kg	Ref. No.	€
Ball dia. 0.6 mm:								
		5-25	0.01	29	2.2 1.8	0.30	0721 731	
Ball dia. 1.0 mm:								
		10-30	0.01	49	4.0 2.0	0.30	0721 732	
		20-40	0.01	53	4.0 2.0	0.30	0721 733	
		30-50	0.01	54	2.5 4.0	0.30	0721 734	
Ball dia. 1.5 mm:								
		15-55	0.02	114	4.5 2.5	0.36	0721 735	
Ball dia. 2.0 mm:								
		55-95	0.02	114	8.0 4.0	0.40	0721 736	
Ball dia. 1.5 mm:								
		15-75	0.02	175	4.5 2.5	0.40	0721 737	



External digital caliper gauges

🏠	🔍	Meas. range mm	Reading mm	Probe depth mm	Groove D W	📦 kg	Ref. No.	€
Ball dia. 1.5 mm:								
		0-20	0.01	50	15.0 15.0	0.30	0721 741	
Ball dia. 3.0 mm:								
		0-40	0.02	115	22.0 22.0	0.40	0721 742	
Ball dia. 3.0 mm: straight probe arm								
		0-40	0.02	115	22.6 1.0	0.40	0721 743	
Ball dia. 5.0 mm:								
		0-60	0.02	180	25.3 25.3	0.50	0721 744	

Connecting cable

	🏠	🔍	📦 kg	Ref. No.	€
for Mitutoyo interface				0721 785	
for USB interface				0721 786	

Stand

🏠	🔍	📦 kg	Ref. No.	€
			0721 787	

Small hole gauge 0726...

PREISSER



Specification

- 2-point reference instrument with extending caliper and probe
- Without dial
- Without setting ring
- Mounting hole dia. 8 mm / h 7
- Suitable for dial gauges or precision measuring instruments
- Supplied in: Wooden case

Meas. range mm	Probe depth mm	Probes units	kg	Ref. No.	€
Hard chrome-plated probes:					
4.15-7.8	41/45	7	1.00	0726 310	
7.7-12.5	45	6	1.00	0726 311	
4.15-12.5	41/45	13	1.00	0726 312	
12.2-20.6	45	8	1.30	0726 313	
Carbide-tipped probe:					
0.95-1.55	13	5	0.80	0726 500	
1.5-4.2	17/25	10	0.80	0726 501	
0.95-4.2	13/17/25	15	0.90	0726 502	
4.15-7.8	41/45	7	1.00	0726 510	
7.7-12.5	45	6	1.00	0726 511	
4.15-12.5	41/45	13	1.00	0726 512	
12.2-20.6	45	8	1.30	0726 513	

Clamp with depth stop

For measuring range	kg	Ref. No.	€
1-4 mm	0.12	0726 122	
4.5-9 mm	0.12	0726 123	
10-20 mm	0.15	0726 124	

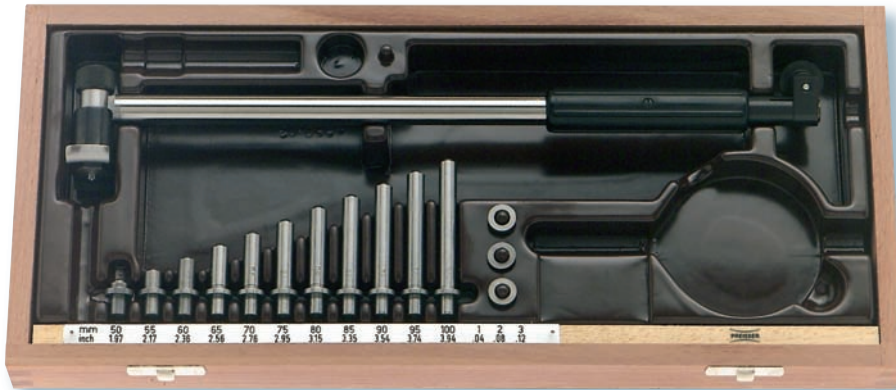
Angle probe 90°

For measuring range	kg	Ref. No.	€
1-20 mm	0.15	0726 130	

Set of setting rings

Meas. range mm	Parts in set	kg	Ref. No.	€
1-1.4	5	0.12	0726 300	
8-12	6	0.78	0726 301	
1-4	15	0.87	0726 302	
4.5-12	13	0.94	0726 303	
13-20	8	1.25	0726 304	
1.75-4	10	0.80	0726 305	
4.5-7.5	7	0.87	0726 306	

Bore gauge for wide and deep hole 0728...



Specification

- 2-point reference instrument through determination of reversing point
- With centring disc
- Mounting hole dia. 8 mm / h 7
- Suitable for dial gauges or precision indicating instruments
- Without dial
- Supplied in: Wooden case

⏏	⏏	Meas. range inner, mm	Meas. depth outer, mm	Plungers units	Measuring rings	⏏ kg	Ref. No.	€
Fixed plunger (hardened), moving probe (carbide tipped):								
•		18-35	110	9	2	0.55	0728 105	
•		35-60	138	7	2	0.70	0728 106	
•		50-100	177	11	3	1.50	0728 107	
•		100-160	234	7	4	2.05	0728 108	
		160-290	234	7	4	4.10	0728 109	
		280-510	400	7	4	10.30	0728 110	
Fixed plunger and moving probe, both carbide-tipped:								
		4.5-6	80	9		0.40	0728 201	
		6-8	100	7		0.40	0728 202	
		8-12	100	9		0.40	0728 203	
		12-20	110	9	1	0.45	0728 204	
•		18-35	110	9	2	0.55	0728 205	
•		35-60	138	7	2	0.70	0728 206	
•		50-100	177	11	3	1.50	0728 207	
•		100-160	234	7	4	2.05	0728 208	
		160-290	234	7	4	4.10	0728 209	
		280-510	400	7	4	10.30	0728 210	

Crankshaft tester 0735...

PREISSER®



Specification

- With dial
- For placement between two crank webs
- No centre punch required
- Horizontal positioning assured by plumb bob
- Supplied in: Case

🏠	⚙️	Meas. range dia. mm	Reading mm	📦 kg	Ref. No.	€
•		45-150	0.01	0.37	0735 101	
•		60-300	0.01	0.78	0735 102	
•		85-500	0.01	1.16	0735 103	

Groove diameter measuring instrument 0736...

PREISSER®



Specification

- Measuring jaw thickness 0.47 mm
- For diameter measurements or as a measuring table
- High-precision ball guidance of the transmitting plunger
- Adjustable measuring frame
- Replaceable fixed measuring plunger for measuring table
- Mounting hole dia. 8 mm / h 7
- Suitable for analogue and digital dial gauges
- Individually packed

🏠	⚙️	Meas. range mm	📦 kg	Ref. No.	€
Measuring jaws made of special steel:					
•		0-10	2.00	0736 101	
•		0-25	2.00	0736 102	
		25-50	2.00	0736 103	
Measuring jaws made of carbide:					
		0-10	2.00	0736 501	
		0-25	2.00	0736 502	
		25-50	2.00	0736 503	

Internal groove diameter measuring instrument 0737...



Specification

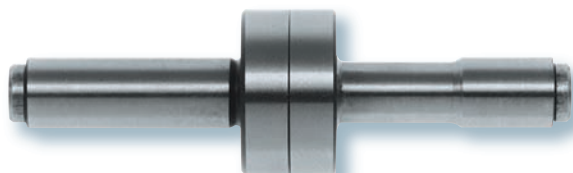
- High-precision probe guidance with constant measuring pressure
- Adjustment of height with gauge block and diameter with setting ring
- Measuring table plate 110 x 73 mm
- Mounting hole dia. 8 mm / h 7
- Suitable for analogue and digital dial gauges
- Individually packed

⏏	⏏	Inner dia. mm	kg	Ref. No.	€
•		4-56	3.00	0737 101	

Measuring probes (pair)

⏏	⏏	Groove height mm	Groove width mm	Groove recess dia. mm	Inner dia. mm	kg	Ref. No.	€
		0-8	0.74	+2	4-28	0.05	0737 121	
		0-10	1.0	+4	6.5-30	0.05	0737 122	
		0-18	1.2	+2	13-38	0.05	0737 123	
		0-25	1.2	+4	20.5-51	0.05	0737 124	

Edge Finder 0738...



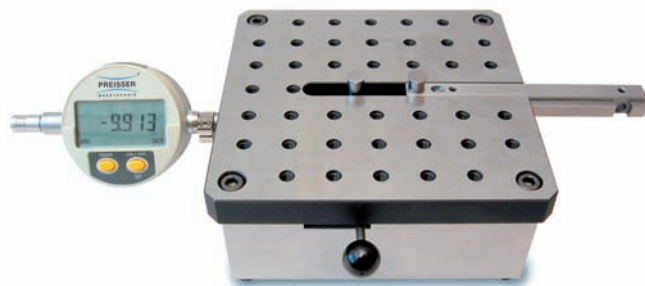
Specification

- Rotating spindle
- Accuracy 0.01 mm
- Individually packed

⏏	⏏	Meas. range mm	Contact dia. mm	Stem dia. mm	g	Ref. No.	€
•		48	6	6	40	0738 101	
•		84	10	10	53	0738 103	
•		90	10 and 4	10	58	0738 105	

Universal comparator gauge 0739...

PREISSER®

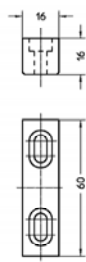

Specification

- To determine internal and external dimensions of recesses, grooves and undercuts.
- Choose between either an analog or digital indicator to show your measurement results.
- Measurement procedure: The part to be measured is determined at the point of reversal between a fixed and moveable measuring insert.
- Robust construction
- Simple to set up and easy to operate
- Fast acquisition of a measured value
- Large range of application
- Optional: special supporting table is exchangeable
- Internal measurements: 21 - 200 mm
- External measurements: 0 - 180 mm
- Repeatability: 2 µm
- Mounting hole for a indicator: diameter 8 H 7

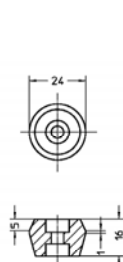
797 124

- Supplied in: Aluminium case

□ ▢	Dimension mm	kg	Ref. No.	€
•	150 x 150 x 68	4.00	0739 102	
Pair of measuring inserts:				
			0739 121	
			0739 122	
			0739 123	
			0739 124	
			0739 125	
			0739 126	
			0739 127	
			0739 128	
			0739 129	
			0739 130	
			0739 131	
			0739 132	
Short holder for measuring inserts:			0739 164	
Long holder for measuring inserts:			0739 165	
Large supporting table:			0739 170	



0739 121



0739 122



0739 123



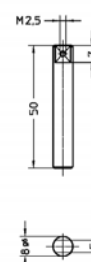
0739 124



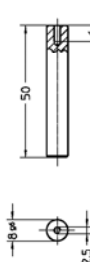
0739 125



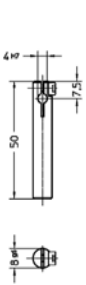
0739 126



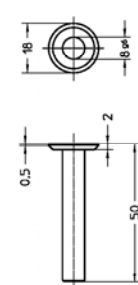
0739 127



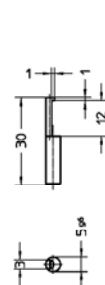
0739 128



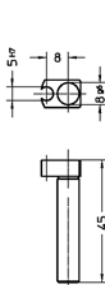
0739 129



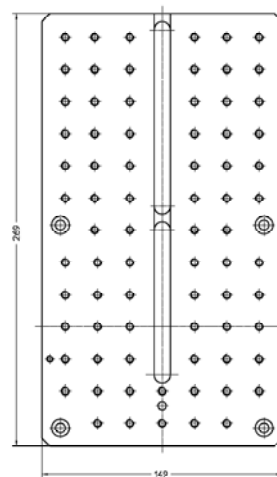
0739 130



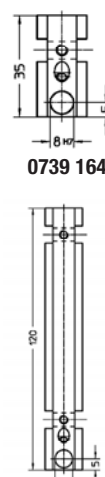
0739 131



0739 132



0739 170

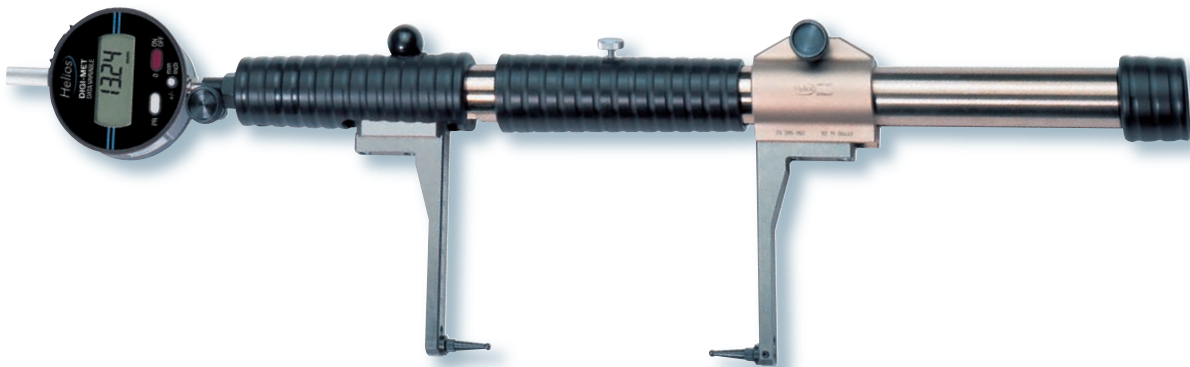


0739 164

0739 165

DIGI-MET® universal comparator gauge 0741...

Helios



Specifications

- Comparative gauge for external and internal measurements, ideal for checking workpieces and machine adjustment
- Versatile for comparative measurements due to the large choice of probes and measuring inserts
- Measuring range can be increased up to 2000 mm by using optional extensions
- The direction of the measuring force is reversible, thus allowing the instrument to be used for both external and internal measurements
- The setting of the universal comparator gauge can be conducted with an adjusting instrument, a master piece, gauge block combination, a ring gauge, a micrometer or an accurately measured workpiece

Basic instrument

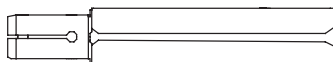


🏠	⚙️	Internal measurement mm	External measurement mm	📦 kg	Ref. No.	€
		15-250	5-220	2.70	0741 101	

Measuring arms and accessories 0741...

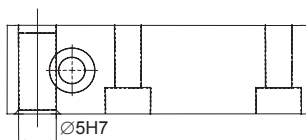
Helios

Extensions



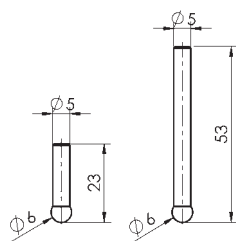
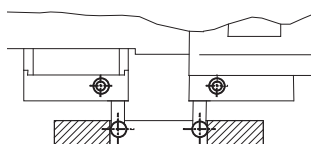
		Length mm	 kg	Ref. No.	€
		100	0.26	0741 112	
		200	0.42	0741 114	
		500	1.00	0741 116	

Probe mounting block, pair



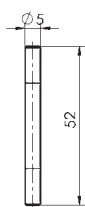
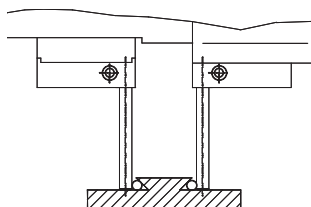
		 kg	Ref. No.	€
		0.12	0741 170	

Ball inserts, pair



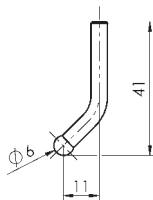
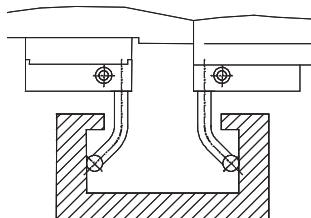
		Length mm	 kg	Ref. No.	€
		23	0.04	0741 178	
		53	0.04	0741 179	

Cylindrical measuring pins, pair



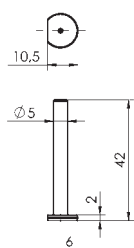
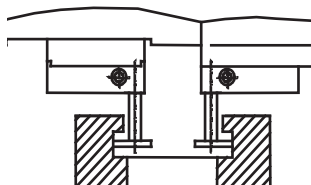
		Length mm	 kg	Ref. No.	€
		52	0.04	0741 180	

Offset measuring inserts, pair



		 kg	Ref. No.	€
		0.04	0741 182	

Measuring inserts with disc, pair

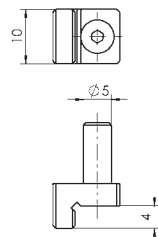
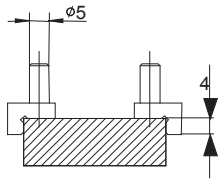


		 kg	Ref. No.	€
		0.04	0741 176	

Measuring arms and accessories 0741...

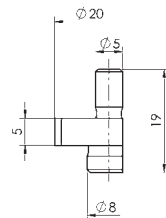
Helios

Shoulder inserts for measuring external centre points, pair



Marked	Marked	kg	Ref. No.	€
		0.04	0741 172	

Shoulder inserts for measuring internal centre points, pair



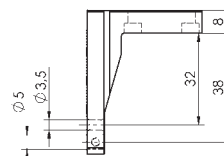
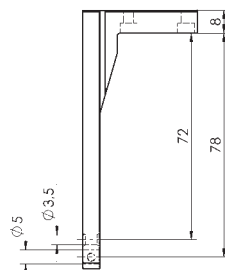
Marked	Marked	kg	Ref. No.	€
		0.04	0741 174	

Measuring arms, pair (reversible for internal and external measurement)

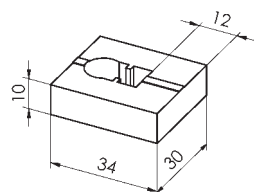
Specification

- Mounting bore
3.5 and 5 mm

Marked	Marked	Length mm	kg	Ref. No.	€
		40	0.20	0741 122	
		80	0.28	0741 124	



Depth stop attachment for measuring arms, pair



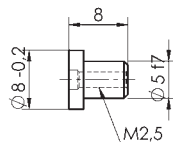
Marked	Marked	kg	Ref. No.	€
			0741 136	

Measuring arms and accessories 0741...

Helios

Adapter 5 mm for measuring inserts M2.5

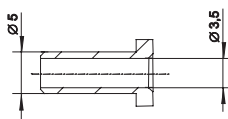
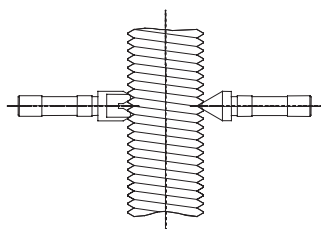
- All measuring inserts for dial gauges with M2.5 can be used (see pages 6/12-6/14)



		Ref. No.	€
	kg		
	0.02	0741 132	

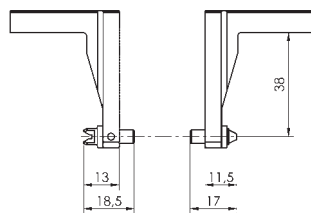
Adapter for thread measuring inserts with a long shank

- Measuring inserts that have a short shank, the adapter is not required



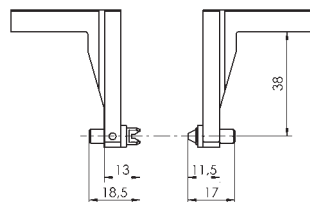
		Ref. No.	€
	kg		
	0.02	0741 134	

Thread measuring inserts for internal thread, metric pitch in pairs



	Pitch mm	Ref. No.	€
		kg	
	0.4-0.45	0741 160	
	0.5-0.6	0741 161	
	0.7-0.8	0741 162	
	1.0-1.25	0741 163	
	1.5-1.75	0741 164	
	2.0-2.5	0741 165	
	3.0-3.5	0741 166	
	4.0-5.0	0741 167	
	5.5-6.0	0741 168	

Thread measuring inserts for external thread, metric pitch in pairs



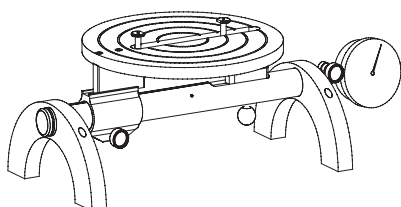
	Pitch mm	Ref. No.	€
		kg	
	0.35	0741 140	
	0.4-0.45	0741 141	
	0.5-0.6	0741 142	
	0.7-0.8	0741 143	
	1.0-1.25	0741 144	
	1.5-1.75	0741 145	
	2.0-2.5	0741 146	
	3.0-3.5	0741 147	
	4.0-5.0	0741 148	
	5.5-6.0	0741 149	

Measuring table

Specification

- Consists of a support table D=180mm, holder for probe, supports (excludes indicator and probe)

		Ref. No.	€
	kg		
		0741 184	



Universal magnetic stands 0750...



Specification

- Chrome-plated bars
- Base with V-groove
- Magnet on/off selector
- Magnetic force: 600 N or 800 N*
- With fine adjustment
- Supplied in: Cardboard box

△	▷◁	Pillar height mm	Reach mm	Bar dia. mm	Magnet base L x W x H	kg	Ref. No.	€
Crosshead clamping system:								
•		285	180	16/16	70x46x65	2.33	0750 101	
•		500	180	20/16	75x60x80	4.98	0750 102*	
•		225	165	12/10	50x47x60	1.60	0750 104	
Chuck clamping system:								
•		285	180	16/16	70x46x65	2.33	0750 103	

Pillar with transverse arm and fine adjustment



△	▷◁	For article	kg	Ref. No.	€
•		0750 101	1.00	0750 121	
•		0750 102	2.56	0750 122	
•		0750 103	1.90	0750 123	

Magnetic base



△	▷◁	Magnetic base L x W x H	kg	Ref. No.	€
•		70x46x65	1.30	0750 111	
•		75x60x80	2.70	0750 112	

Wooden case

△	▷◁	kg	Ref. no.	€
		0.60	0750 601	

Magnetic stand with central locking 0752...

PREISSER®



Specification

- Chrome-plated bars
- Base with V-groove
- Magnet on/off selector
- Magnetic force 600 N
- Central magnetic clamping system
- With fine adjustment
- Supplied in: Cardboard box

□	▷◁	Pillar height mm	Reach mm	Bar dia. mm	Magnetic base L x W x H	⚖️ kg	Ref. No.	€
•		310	260	18	70x46x65	1.86	0752 101	
•		370	320	18	70x46x65	2.06	0752 103	

Universal magnetic holder 0754...

PREISSER®



Specification

- Base with V-groove
- With mounting hole dia. 8 mm / h 7
- Three-sided magnet
- Individually packed

□	▷◁	Column height mm	Support face dia. mm	Magnetic force N	⚖️ kg	Ref. No.	€
		57	70x35	260	0.34	0754 101	

Magnetic stand 0751...



Specification

- With articulated arm
- Magnetic force: 600 N
- Cam-type clamping action
- Supplied in: Cardboard box

⏏	⏏	Pillar height mm	Magnet base L x W x H	⏏ kg	Ref. No.	€
Heavy duty model:						
		350	70x45x65	1.10	0751 103	
Clamping by star knob set screw:						
		350	70x45x65	1.10	0751 104	

Universal magnetic holder 0756...



Specification

- With 2 magnets
- With mounting hole dia. 8 mm / h 7
- Magnet at rear
- Individually packed

⏏	⏏	Pillar height mm	Support face dia. mm	Magnetic force N	⏏ kg	Ref. No.	€
		45	72x37	180	0.20	0756 101	

Compact measuring stands 0770...

PREISSER®



- Specification**
- Cast base
 - Hardened steel table
 - With dust grooves
 - With mounting hole 8 H7
 - Individually packed

☐	✂	Measuring height mm	Reach mm	Pillar dia. mm	Table surface dia. mm	⚖ kg	Ref. No.	€
With fixed arm:								
•		100	49	22	50	2.30	0770 102	
		100	49	22	60x68	3.20	0770 103	
With adjustable transverse arm:								
		100	100	22/18	60x68	3.50	0770 201	

770...

PREISSER®



- Specification**
- Cast base
 - Hardened steel table
 - With dust grooves
 - With mounting hole 8 H7
 - Individually packed

☐	✂	Measuring height mm	Reach mm	Pillar dia. mm	Table surface dia. mm	⚖ kg	Ref. No.	€
With threaded pillar and adjustable transverse arm:								
		160	200	35	170x215	20	0772 024	
With adjustable transverse arm:								
		150	135	28	98x115	12	0770 205	

Precision measuring stand 0785...



Specification

- Base made of hard stone
- Chrome-plated bars
- With adjustable transverse arm
- Dial mounting hole dia. 8 H7
- Vertical adjustment by threaded spindle with setting ring
- Base plate accuracy according to DIN 876-00
- Individually packed

🏠	🔍	Measuring height mm	Reach mm	Transv. arm dia. mm	Table surface dia. mm	📦 kg	Ref. No.	€
		180	200	35/22	150x200	9.00	0785 108	
		420	220	50/32	260x300	41.00	0785 109	
		Transverse arm proof against torsion:						
		420	220	50/32	260x300	41.00	0785 110	

6

Universal measuring support 0756...

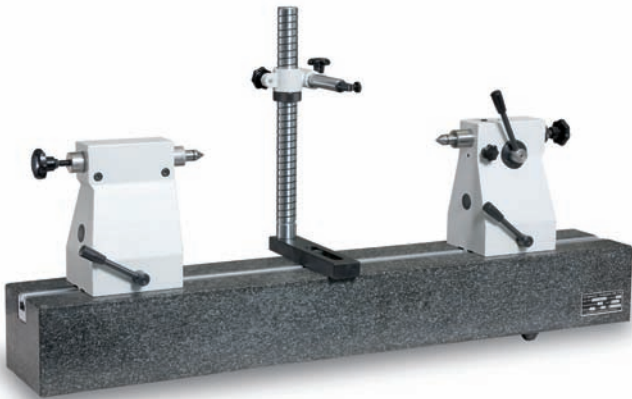


Specification

- Chrome-plated pillar
- Prismatic base
- With central clamping system
- With fine adjustment
- Transverse arm with mounting hole dia. 8 mm / h 7
- Supplied: without indicator
- Individually packed

🏠	🔍	Pillar height mm	Base dim. mm	Transv. arm dia. mm	📦 kg	Ref. No.	€
		300	250x60x55	16/16	3.78	0763 100	

Bench centre 0783...



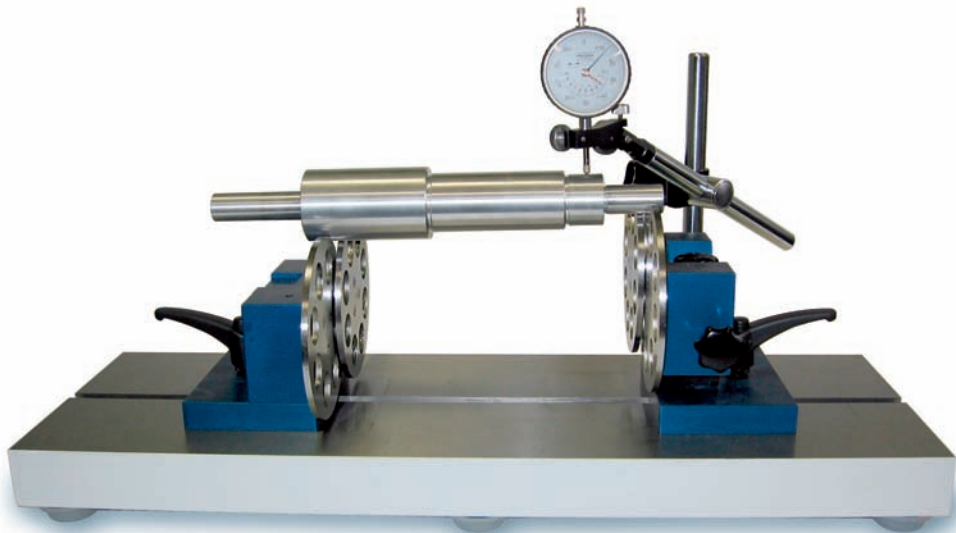
- Specification**
- Dark granite work bench
 - Flatness tolerance according to DIN 876/1
 - Height adjustable support table
 - Right tailstock with retractable spring mounted centre
 - Left tailstock with fixed centre

- Supplied with:**
- Work bench, support post, 1 pair of tailstocks with pointed alignment centre 60° MK 2

⏏	⏏	Height of centre mm	Width betw. centre dia. mm	T-groove dia. mm	Base mm	⏏ kg	Ref. No.	€
•		200	650	14	1100x180x140	135	0783 012	

⏏	⏏	Height of centres mm	T-grooves width mm	⏏ kg	Ref. No.	€
Pair of tailstocks:						
•		200	14	45	0782 191	
Replacement support post:						
•		200	14	5	0783 070	
Pointed alignment centre suitable for H 0782 146 and 0783 012:						
•		200	14	2	0782 181	

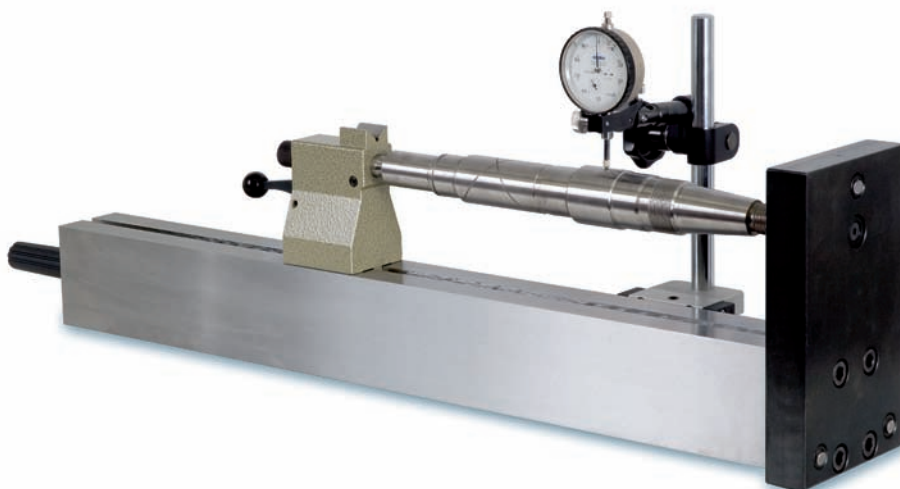
Bench centre 0784 ...



- Specification**
- Centreless concentricity measuring instrument
 - Height accuracy; roller discs being mounted in bearings; free of play
 - Sliding disc supports mm
 - Support post
 - Concentricity 5 µm

⏏	⏏	max. length mm	max. work piece dia. mm	Discs dia. mm	⏏ kg	Ref. No.	€
		400	250	120	20	0784 108	

Shaft measuring instrument 0788 104



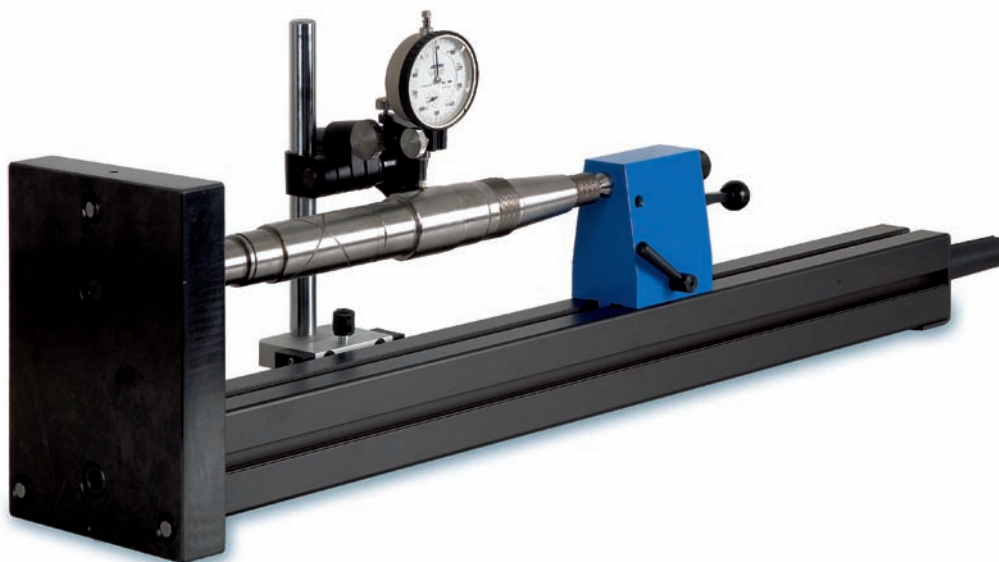
Specification

- Multicheck Comfort for rapid measurement of diameters, distances, shoulders, taper, roundness, etc.
- Vertical and horizontal alignment
- Vertical base with 3 hardened adjustment support surfaces
- Measuring beam is made of hardened steel
- **Supplied without support post**

⏏	⏏	Height of centre mm	Width between centres dia. mm	T grooves dia. mm	Base mm	⏏ kg	Ref. No.	€
•		75	550	10	200 x 120	33	0788 104	
		Support arm with guide way					0788 180	

6

Shaft measuring instrument 0788 ...



Specification

- Multicheck light for rapid measurement of diameters, 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
- Tailstocks are made from aluminium
- **Supplied without support post**

⏏	⏏	Height of centre mm	Width between centres dia. mm	T grooves dia. mm	Base mm	⏏ kg	Ref. No.	€
•		75	550	10.1 + 0.1	200 x 150	14	0788 904	
		Support arm with holder					0788 980	
		Support arm with guide way					0788 990	

⏏ Marked • = available from stock

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

Bench centre 0780...

PREISSER



Specification

- Support surface fine ground, regularity to DIN 876-2
- With two sliding tailstocks
- Left tailstock with fixed centre
- Right tailstock with spring-mounted centre, stroke approx. 15 mm
- Tailstocks are fixed by means of cam-type fixture
- Lateral T-groove with measuring support, dial mounting hole 8 mm H 7 and fine adjustment

□ ▷	Height of centres mm	Distance betw. centre mm	T-groove width mm	Base plate mm	kg	Ref. No.	€
•	50	200	10	350x110	8.00	0780 101	
•	50	350	10	500x110	11.00	0780 102	
•	75	200	10	350x110	9.00	0780 104*	
•	75	350	10	500x110	12.00	0780 105*	
	100	450	12	700x180	35.00	0780 107	
	150	450	12	700x180	38.00	0780 108	
	200	600	14	1000x250	90.00	0782 146	

* with V-groove support



V-groove inserts (pair)

□ ▷	Height of centre mm	V-groove support dia. mm	kg	Ref. No.	€
	50/75	3-15	0.40	0780 021	
	100	8-45	1.00	0780 023	

- Exchanged for the centres in the tailstocks



Measuring support

□ ▷	Height of centres mm	Bars mm	T-groove width mm	kg	Ref. No.	€
•	50/75	200	10	0.90	0780 072	
•	100	240	12	1.50	0780 073	
•	150	440	12	2.50	0780 074	
for 0782...						
	200		14		0782 170	

Bench centre 0780...



Specification

- As in basic 0780... unit
- 75 mm with V-groove support

Tailstock left, with rotating collet chuck

◻	⚡	Height of centres mm	T-groove width mm	⚖ kg	Ref. No.	€
		50	10	2.50	0780 001	
		75	10	3.50	0780 002	
		100	12	9.00	0780 003*	

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

Spare tailstocks (pair) for 0780...

◻	⚡	Height of centres mm	T-groove width mm	⚖ kg	Ref. No.	€
•		50	10	2.50	0780 091	
•		75	10	3.50	0780 092	
		100	12	9.00	0780 093	
		150	12	12.00	0780 094	



V-groove supports (pair) for 0780...

◻	⚡	Height mm	T-groove width mm	Base dia. mm	⚖ kg	Ref. No.	€
		70	10	5-20	1.00	0780 032	
		120	12	5-45	4.00	0780 033	

Specification

- Used instead of tailstocks on the base plate
- V-groove surfaces hardened, replaceable



Roller supports (pair) for 0780...

◻	⚡	Height mm	T-groove width mm	Base dia. mm	⚖ kg	Ref. No.	€
		70	10	3-20	1.00	0780 042	
		120	12	3-45	4.00	0780 043	

Specification

- Used instead of tailstocks on the base plate
- Concentricity tolerance of rollers 0.005 mm



Roller supports (pair) for 0782.../0783...

◻	⚡	Height mm	T-groove width mm	Base dia. mm	⚖ kg	Ref. No.	€
		200	14		25	0782 160	

