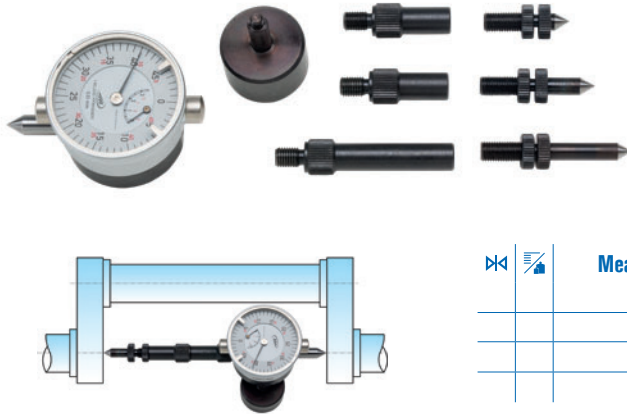




0735 Crankshaft gauges



Model

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

Delivery

- Wooden case

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

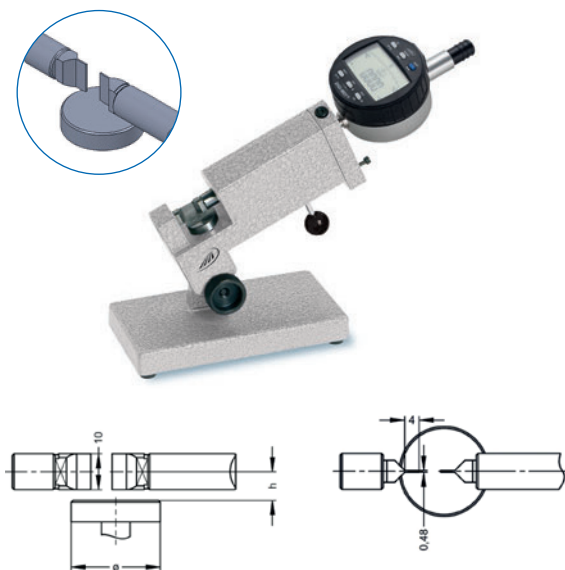
0735 Replacement gauge for 0735

Model

- Without backplate

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

0736 Length measuring instruments for external incisions



Model

- Ideal for serial measurements of incision diameters on turned parts
- Narrow measuring faces
- 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 and digital indicators

- Versions with other measuring inserts are available upon request

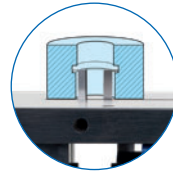
Delivery

- Cardboard box
- Without digital indicator (optional)

Measuring range mm	Size of table mm	Height h mm	Order no.	List price EUR
0 - 10	25	8	0736 101	942.00
0 - 25	38	13	0736 102	1016.00
25 - 50	50	35	0736 103	1088.00



0737 Length measuring instrument for internal incisions



Model

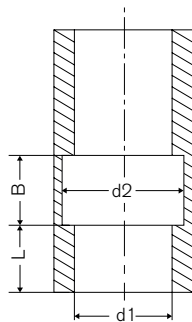
- Ideal for serial measurements of internal incision diameters
- High precision probe guidance with a constant measuring force
- Adjust the height with a gauge block
- Set the diameter with a setting ring
- Measuring table plate size 110 x 73 mm
- Mounting hole \varnothing 8 mm
- Ideal for analogue and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

Delivery

- Cardboard box
- Without indicator (optional)
- Without pair of measuring probes (optional)

	Measuring range internal mm	Size of table mm	Order no.	List price EUR
	4 - 56	110 x 73 mm	0737 101	917.00

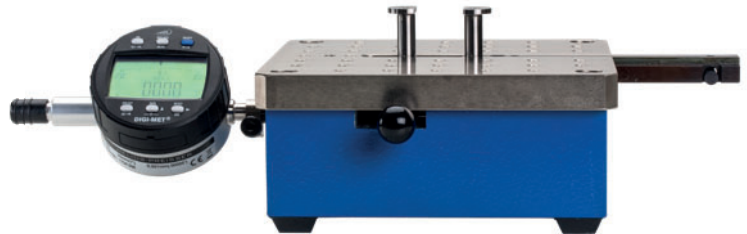
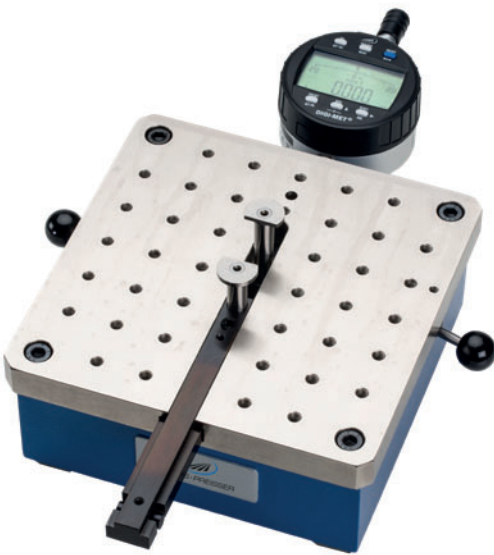
0737 Measuring probes (pair) made of hardened steel for 0737



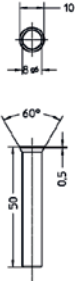
	For bore dia. „d1“ mm	Adjustable mess. height „L“ mm	Min. groove width „B“ mm	Max. incision dia. „d2“ mm	Order no.	List price EUR
	4 - 28	0 - 8	0.74	d1 + 2 mm	0737 121	91.00
	6.5 - 30	0 - 10	1.00	d1 + 4 mm	0737 122	91.00
	13 - 38	0 - 18	1.20	d1 + 2 mm	0737 123	91.00
	20.5 - 51	0 - 25	1.20	d1 + 4 mm	0737 124	91.00



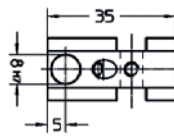
0739 Universal comparator gauge



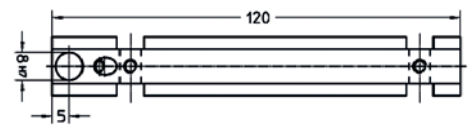
0739 124



0739 126



0739 164



0739 165

Model

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

- Repeatability: 2 μm
- Mounting hole for a dial gauge: $\varnothing 8 \text{ mm}$

Delivery

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

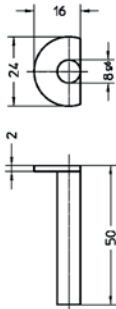
	Measuring range		Base dimensions	Order no.	List price
	external mm	internal mm	mm		EUR
	0 - 180	21 - 200	150 x 150 x 68	0739 102	1780.00



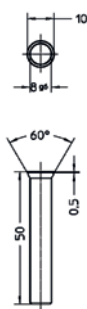
0739 Measuring probes



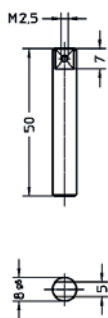
0739 124



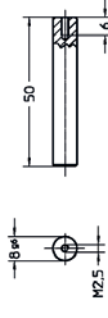
0739 125



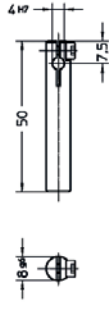
0739 126



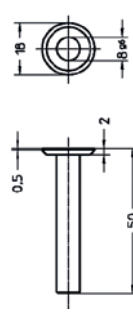
0739 127



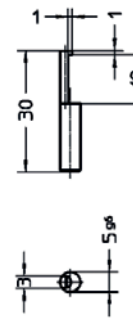
0739 128



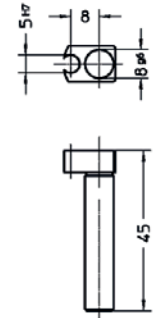
0739 129



0739 130



0739 131



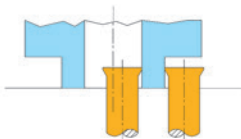
0739 132

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

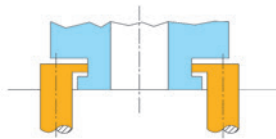
* For further information regarding probes order no. 0739 127 to 0739 129 see order no. 0710 starting on page 137

** Required holder order no. 0739 132

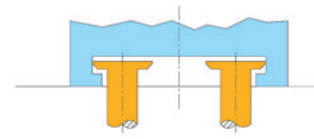
Application examples:



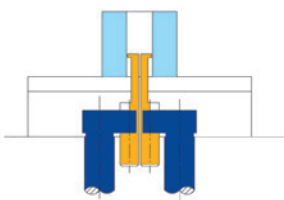
0739 126



0739 124

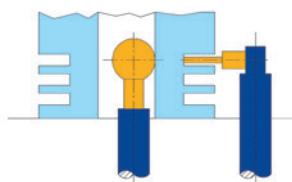


0739 130



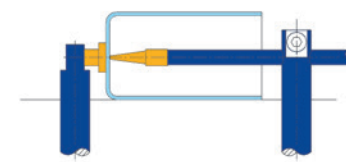
0739 131

0739 132



0739 127*

0739 128*

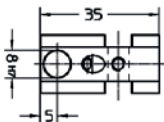


0739 129*

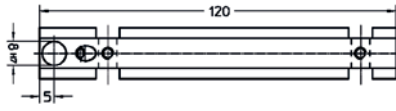
0739 129*



0739 Holder for measuring inserts short / long



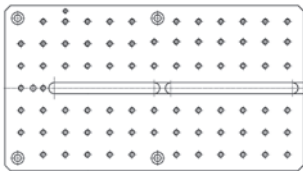
0739 164



0739 165

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

0739 Large supporting table



Model

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

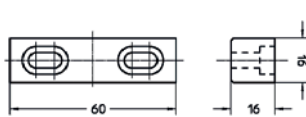
Delivery

- With leg support to screw

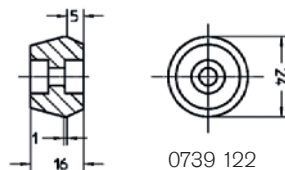
	Size of table mm	Order no.	List price EUR
	269 x 149	0739 170	279.00

0739 Stop pieces

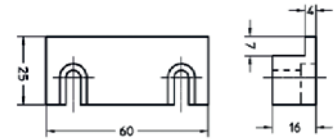
	Description	Length mm	Width mm	Diameter mm	Dimensions h mm	Order no.	List price EUR
	Stop cuboid	60	16		16	0739 121	91.00
	Stop disc			24	16	0739 122	103.00
	Stop stepped cuboid	60	25		16	0739 123	94.00



0739 121

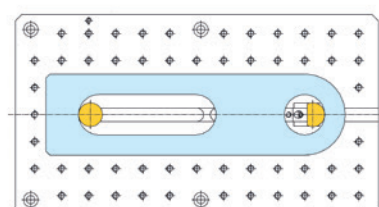
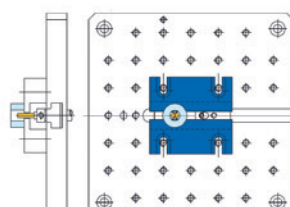
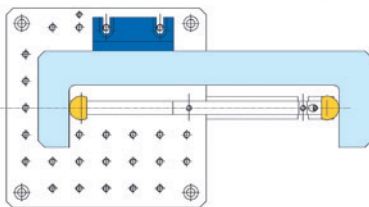
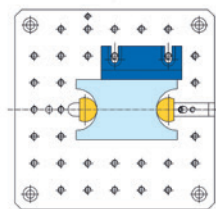
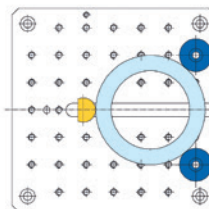
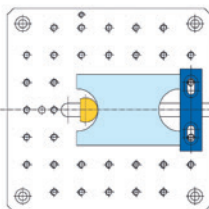
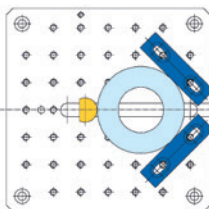


0739 122



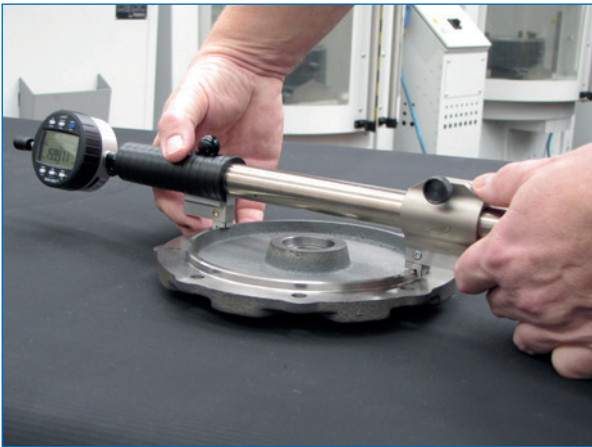
0739 123

Application examples:





0741 Universal comparator gauge UHRTAST





0741 Comparator gauge UHRTAST



Model

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

Delivery

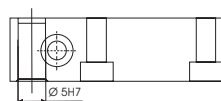
- Wooden case
- Basic instrument without digital indicator, measuring arms and measuring probes (optional)



Product video

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

0741 Pair of probe mounting block



	Order no.	List price EUR
	0741 170	171.00

0741 Extensions



Model

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



0741 112



0741 114

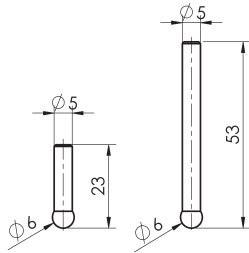
	Length mm	Order no.	List price EUR
	100	0741 112	259.00
	200	0741 114	275.00
	500	0741 116	420.00



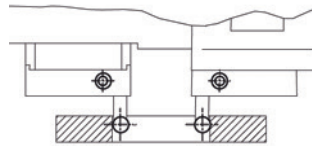
0741 Measuring inserts



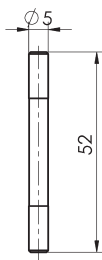
0741 178



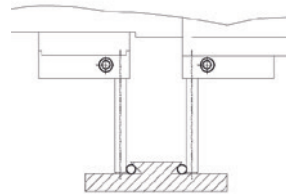
	Length mm	Diameter mm	Order no.	List price
				EUR
	23	6	0741 178	115.00
	53	6	0741 179	115.00



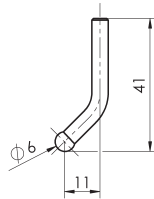
0741 Measuring inserts



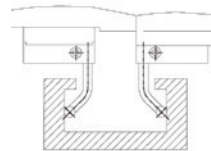
	Length mm	Diameter mm	Order no.	List price
				EUR
	52	5	0741 180	115.00



0741 Pair of offset measuring inserts



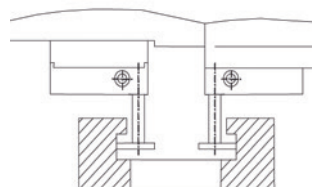
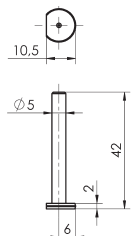
	Length mm	Diameter mm	Order no.	List price
				EUR
	41	6	0741 182	191.00



0741 Pair of measuring inserts with discs

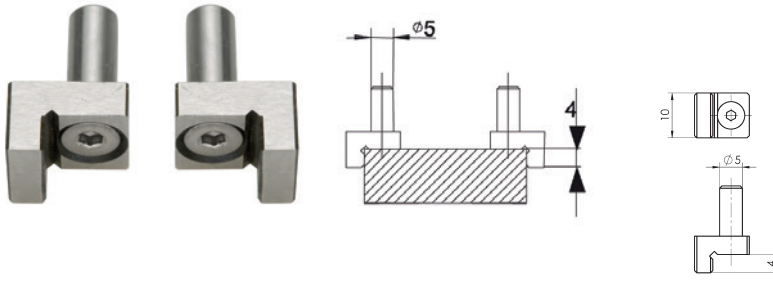


	Length mm	Width mm	Diameter mm	Dimensions h mm	Order no.	List price
						EUR
	42	10.5	12	2	0741 176	115.00





0741 Measuring inserts

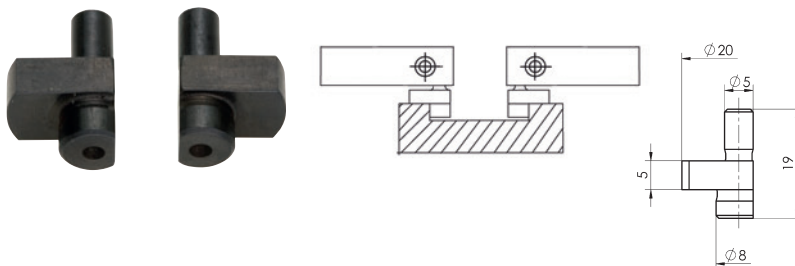


Model

- For measuring external central points

	Order no.	List price EUR
	0741 172	204.00

0741 Pair of shoulder measuring inserts

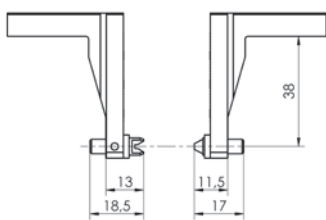


Model

- For measuring internal central points

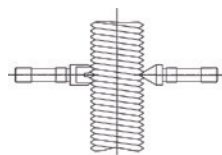
	Order no.	List price EUR
	0741 174	167.00

0741 Pairs of thread measuring inserts for metric external thread



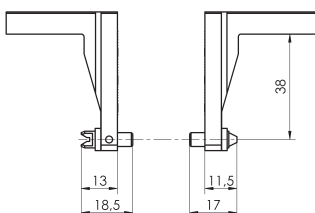
Model

- Thread measuring inserts for external thread, metric pitch, in pairs



	Thread pitch mm	Order no.	List price EUR
	0.35	0741 140	192.00
	0.4 - 0.45	0741 141	108.00
	0.5 - 0.6	0741 142	108.00
	0.7 - 0.8	0741 143	108.00
	1.0 - 1.25	0741 144	108.00
	1.5 - 1.75	0741 145	108.00
	2.0 - 2.5	0741 146	108.00
	3.0 - 3.5	0741 147	108.00
	4.0 - 5.0	0741 148	108.00
	5.5 - 6.0	0741 149	108.00

0741 Pairs of thread measuring inserts for metric internal thread



Model

- Thread measuring inserts for internal thread, metric pitch, in pairs

	Thread pitch mm	Order no.	List price EUR
	1.0 - 1.25	0741 163	219.00
	1.5 - 1.75	0741 164	219.00
	2.0 - 2.5	0741 165	219.00
	3.0 - 3.5	0741 166	219.00
	4.0 - 5.0	0741 167	219.00
	5.5 - 6.0	0741 168	219.00



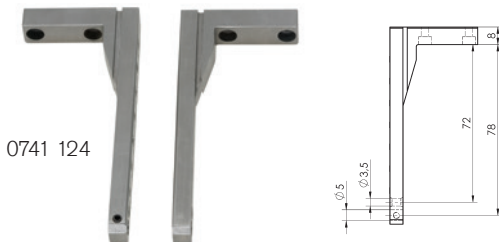
0741 Pairs of measuring arms



0741 122

Model

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



0741 124

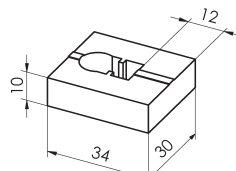
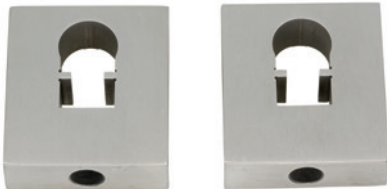
	Length mm	Order no.	List price
			EUR
	40	0741 122	270.00
	80	0741 124	324.00

0741 Pair of depth stop attachment for measuring arms



Model

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



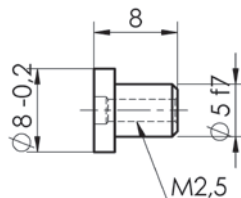
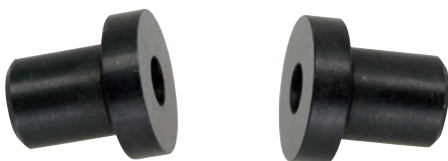
	Length mm	Width mm	Height mm	Order no.	List price
					EUR
	34	30	10	0741 136	251.00

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



Model

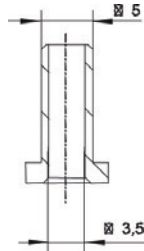
- All measuring inserts for dial gauges with M2.5 can be used (measuring inserts please refer to pages 137-140)



	Order no.	List price
		EUR
	0741 132	88.00



0741 Pair of adapters for thread measuring inserts (pair)



Model

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

Order no.	List price
0741 134	EUR 152.00

0741 Measuring table



Model

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

Delivery

- Cardboard box

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