

TESA TPS - Motorised setting benches

The TPS are designed for setting hand-held measuring instruments and replace a complete set of ring gauges.








The setting bench is typically used with comparative measuring instruments such as dial gauges, lever-type dial test indicators or 2-point bore gauges.

TPS is very simple to use: enter the value and the mobile slide will automatically position itself at this value.

It can be used for checking internal as well as external dimensions of up to 1000 mm, according to the model.





Special adapters help to position the instrument, so that is very easy and quick to use and human errors can be avoided.

For versions with dimensions over 1000 mm, please contact TESA.

-  0,001 mm
-  Linear 1,5 + L (mm) / 300 µm
-  1 µm
-  100/240 AC - 1,5 A 50/60 Hz
-  Inspection report
-  RS232
-  Holding force 240 N



TESA TPS 500 + 02160027 + 02160024 (+ DIGICO 705)

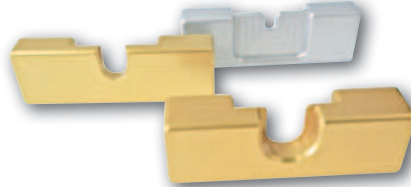
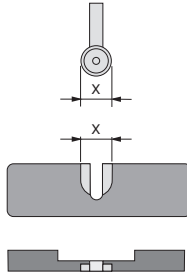
No	=				
		Internal, mm	External, mm	mm	Kg
02130001	TESA TPS 300	0,1 ÷ 300	40 ÷ 340	610 x 300 x 270	75
02130002	TESA TPS 500	0,1 ÷ 500	40 ÷ 540	820 x 300 x 300	90
02130003	TESA TPS 1000	0,1 ÷ 1000	40 ÷ 1040	1330 x 340 x 340	240
CONSISTING OF:					
02160038	Power supply 80 ÷ 240 V, 50 ÷ 60 Hz				
02160027	Mobile stop adapter				

The maximum permissible errors indicated for a metrological characteristic (MPE) have been obtained at a temperature of $20^{\circ} \pm 0,5^{\circ}\text{C}$ and relative humidity of $50 \pm 5\%$.

Accessories for Bore Gauges

Accessories for TESA VERIBOR bore gauges with round foot are available for different application ranges of up to 50 mm.

They offer a perfect setting by blocking the X and Z axis' rotating movements to let only the Y axis moving to find the min. point.



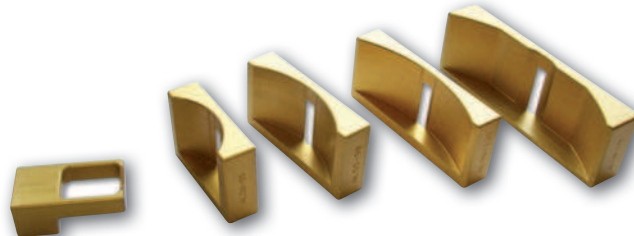
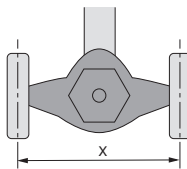
No	mm	X, mm
02160020	4,5 ÷ 6	Ø 4,5
02160021	6 ÷ 12,5	Ø 5,8
S21050003	12 ÷ 25	Ø 9,5
02160023	25 ÷ 50	Ø 17,5



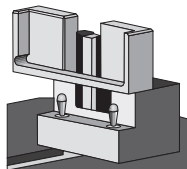
02160021 + TESA VERIBOR

Accessories for Bore Gauge

Accessories for TESA VERIBOR bore gauges with rectangular foot are available for different application ranges from 50 mm up to 550 mm.



02160027



02160024

No	mm	X, mm
02160024	50 ÷ 150	30 ÷ 55
02160025	150 ÷ 300	55 ÷ 90
02160026	240 ÷ 550	90 ÷ 125
02160043		120 ÷ 170
02160044		170 ÷ 220

Each TESA TPS bench is delivered with an adapter No. 02160027



02160027 + 02160024 + TESA VERIBOR

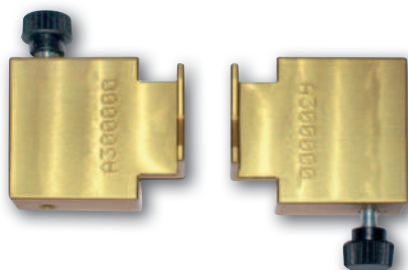


Accessory for External Micrometers

Set of accessories that allow horizontal alignment of the 2 measuring faces of the external micrometer.

Application range up to 150 mm = 1 piece required

Application range from 150 mm = 2 pieces required



02160029

No	mm
02160029	40 ÷ 300 / 500 / 1000

Delivered individually



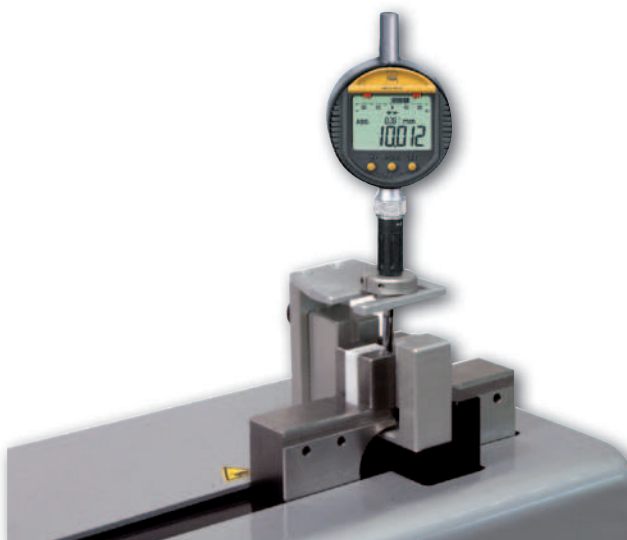
02160029 + TESA MICROMASTER

Accessory for TESA YA Bore Gauges

TESA YA bore gauges accessory is an assembly of few parts that accept all measuring ranges and make the min. point much easier to find.

No	mm
02160028	6 ÷ 12,5

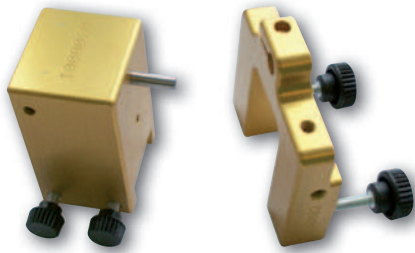
Delivered with 3 adapter rings for Ø 8, 10 et 14 mm



02160028 + TESA DIGICO

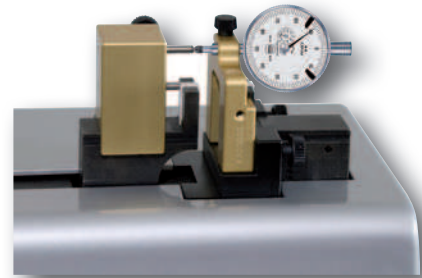
Accessories for Dial Gauges

A composition of 2 parts for fixing dial gauges on the fixed part of the bench.



02160035

	
02160035	mm
	10 ÷ 150



Accessory for Internal Arm Comparator

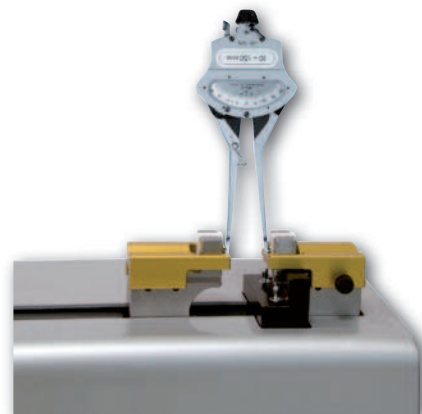
Set of accessories for horizontal alignment of the 2 measuring points, 2 items required.



02160030

	
02160030	mm
	10 ÷ 150

Delivered individually



02160030 + TESA IRA 2

