



MSA	Length mm	Graduations mm	Kg
15.001	150	1	0.009
15.002	200	0.5 and 1	0.011

Stainless steel flexible rule.



MSA	Length mm	Graduations mm	Kg
15.008-150	150	0.5 and 1	0.009
15.008-200	200	0.5 and 1	0.011

Stainless steel flexible rule. Double sided graduations.



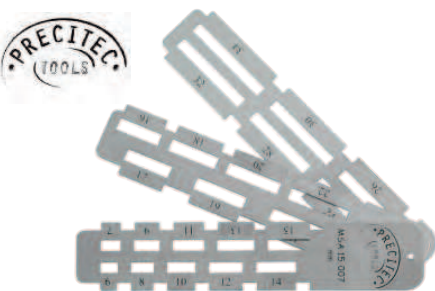
MSA	Length mm	Graduations mm	Kg
15.003	120	8 to 22	0.003

Tool for measuring distance between horns in watch cases. Made of aluminium.



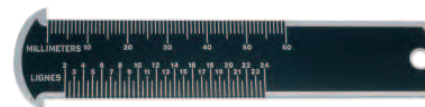
MSA	Length mm	Graduations mm	Kg
15.004	125	6 to 22	0.034

Tool with 2 arms for measuring the width of bracelets and distance between watch case horns.



MSA	Length mm	Graduations mm	Kg
15.007	125	6 to 34	0.048

Tool with 3 arms for measuring the width of bracelets and distance between watch case horns.



MSA	Length mm	Kg
15.005	110	0.006

Gauge for measuring the diameter (0 to 60 mm) or the number of lines in a movement (2 to 24'').



MSA	Size mm	Kg
15.006	75 x 27 x 10	0.006

Rule made of filaments with insulating handle. Delivered in a synthetic pouch. Straightening difference 2 µm.



MSA	Size mm	Kg
15.150	ø 75 x 18	0.022

Bracelet gauge. Metric graduations from 15 to 23 cm.



MSA	Size mm	Kg
15.250	100 x 63 x 2	0.046

Tenth gauge, capacity 0-10 mm. Accurate to 0,1 mm. Made of stainless steel. **Round measuring tip.**



MSA	Size mm	Kg
15.251	100 x 63 x 2	0.037

Tenth gauge, capacity 0-10 mm. Accurate to 0,1 mm. Made of stainless steel. **Shaped measuring tip.**



MSA	Capacity	Precision	Kg
15.140	80 mm / 3 1/4"	1 mm / 0.050"	0.043

Mini caliper made of brass.



MSA	Capacity	Precision	Kg
15.104	150 mm	0.02 mm	0.350

Tempered steel dial caliper TESA® CCMA-M (1 mm per hand revolution)
Delivered in synthetic pouch.



MSA	Capacity	Precision	Kg
15.290	10 mm	0.01 mm	0.055

Hand micrometer made of brass. With steel drum and spindle \varnothing 3 mm. Opening 0-10 mm. Length 52 mm.



MSA	Capacity	Precision	Kg
15.115	150 mm	0.02 mm	0.340

Tempered steel dial caliper (2 mm per hand revolution).
Delivered in synthetic pouch.

» Calipers.



MSA	Kg
15.419	0.800

TESA® Dual-Set 2 composed of :
- 1 caliper TESA® CCMA-M, capacity 150 mm, accuracy 0.02 mm
- depth foot.
- micrometer TESAMASTER, capacity 25 mm, accuracy 0.001 mm
Delivered in synthetic material box.



MSA	Capacity	Precision	Kg
15.116	100 mm	0.02 mm	0.160

Tempered steel dial caliper (2 mm per hand revolution).
Delivered in synthetic pouch.



MSA	Capacity	Precision	Kg
15.100	150 mm	0.02 mm	0.275

Tempered steel sliding vernier caliper.
Delivered in imitation leather pouch.



MSA	Capacity	Precision	Kg
15.110	150 mm	0.02 mm	0.370

Dial caliper TESA® ETALON® (1 mm per hand rotation).
Rotating dial \varnothing 32 mm with screw lock.
Delivered in a synthetic box.

» **Electronic calipers.**



MSA	Capacity	Precision	Kg
15.418	150 mm / 6"	0.01 mm / 0.0005"	1.250

TESA® Dual-Set 15 composed of :
 - 1 caliper TESA® Cal IP67, RS, capacity 150 mm, accuracy 0.01 mm
 - depth foot
 - micrometer MICROMASTER IP54, RS, capacity 30 mm, accuracy 0.001 mm.
 Delivered with battery in synthetic box.



MSA	Capacity	Precision	Kg
15.423	150 mm / 6"	0.01 mm / 0.0005"	0.320

Tempered steel electronic caliper TESA® CAL IP67. Totally immune to liquids penetration and metal particles. High accuracy and precision thanks to magnetic measuring system.
 Delivered with battery in synthetic box.



MSA	Capacity	Precision	Kg
15.105	150 mm / 6"	0.01 mm / 0.0005"	0.330

Tempered steel electronic caliper TESA® CAL IP67 RS with thumb wheel and lock screw. Totally immune to liquids penetration and metal particles. High accuracy and precision thanks to magnetic measuring system.
 Delivered with battery in synthetic box.



MSA	Capacity	Precision	Kg
15.415	150 mm / 6"	0.01 mm / 0.0005"	0.140

Tempered steel electronic caliper TESA® SHOP-CAL®. High accuracy with screen 7 mm.
 Data hold 10 minutes and automatic off after 2 hours.
 Delivered with battery in synthetic box.



MSA	Capacity	Precision	Kg
15.510	150 mm / 6"	0.01 mm / 0.0005"	0.095

Synthetic electronic caliper.
 Delivered with battery in plastic box.



MSA	Capacity	Precision	Kg
15.511	150 mm / 6"	0.01 mm / 0.0005"	0.325

Tempered steel electronic caliper.
 Delivered with battery in synthetic box.



MSA	Capacity	Precision	Kg
15.512	100 mm / 4"	0.01 mm / 0.0005"	0.185

Small tempered steel electronic caliper.
 Delivered with battery in synthetic box.



MSA	Capacity	Precision	Kg
15.513	150 mm / 6"	0.01 mm / 0.0005"	0.292

Tempered steel electronic caliper. Big LCD display 15 mm.
 Delivered with battery in synthetic box.



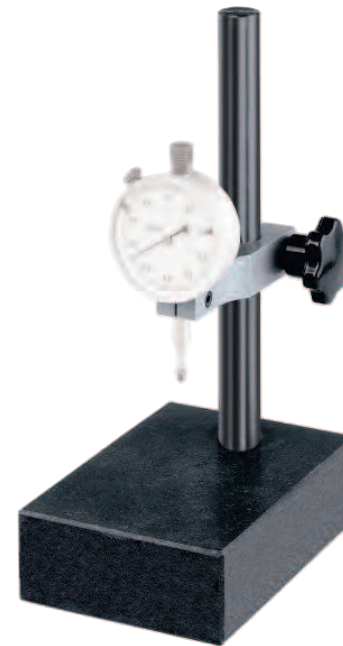
MSA	Capacity	Precision	Kg
15.408	150 mm / 6"	0.01 mm / 0.0005"	0.018

CalAdapt HOROSWISS® kit for measuring hard-to-reach places. Can be settled to any type of caliper.
 Delivered with 2 clamps, 1 ball tip and 5 interchangeable spindles ø 0.90, 1.40, 1.90, 2.40, 2.90 mm (delivered without caliper).



MSA	Graduations mm	Size mm	Kg
15.434	12.5/0.001	176 x 57 x 33	0.197

Electronic gauge TESA® DIGICO® 205, Main functions : mm/inch switch, counting sense reversal, zero reset at any position, full reset, auto OFF.
Other versions and accessories available upon request.



MSA	Size mm	Kg
15.424	100 x 115 x 240	3.400

Granite INTERAPID TESA® measuring stand.
Measurement capacity : 50 mm
Gauge adjustment : ø 8 mm.
Delivered without gauge.

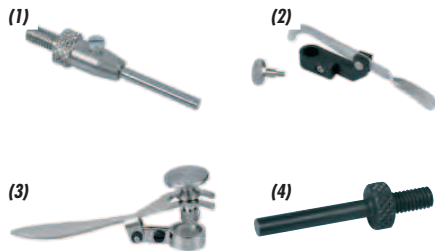


MSA	Graduations mm	Size mm	Kg
15.442	25/0.001	135 x 57 x 27	0.162

Electronic gauge TESA® DIGICO® 510. Main functions : zero reset at any position, display rotation through 270°, hold mode of the displayed value, mm/inch switch, counting sense reversal, full reset, auto OFF.
Other versions and accessories available upon request.

Accessories :

MSA	Eements	Dim. mm
15.407-A	Flat measuring Stainless steel insert with interchangeable pins ø 1,5 mm (1)	25 x 5
15.407-B	Top lever (2)	-
15.409	Top mounted retraction devices (3)	57 x 5
15.416	Stainless Steel insert with a flat measuring face ø 2 mm (4)	15 x ø 2
15.417	Stainless Steel insert insert with a flat measuring face ø 2 mm	10 x ø 2





MSA	ø Table mm	Size mm	Kg
15.360	50	80 x 130 x 255	2.500
15.361	80	80 x 130 x 255	2.530

Vertical stand for dial indicator, with platform ø 50 mm or 80 mm.

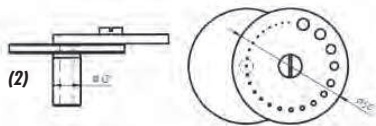
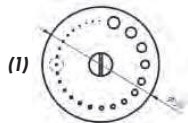
Measurement capacity : 75 mm.

Adjustment : ø 8 mm

Delivered without the dial indicator.

Accessories :

MSA	Items
15.370	Platform only ø 50 mm with 25 holes from 0.2 to 5.0 mm (1)
15.369	Complete table (2)

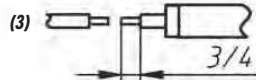
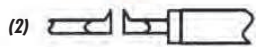


MSA	Graduations	Size mm	Kg
15.311	0 to 25 mm	160 x 40 x 65	0.940

Horizontal micrometer on heavy base with adjustable table ø 18 mm and a pair of spindles ø 2 mm. Accuracy 0.01 mm.

Accessoire for MSA 15.311 :

MSA	Item	ø mm
15.371	Table (1)	17



Optional pair of spindles for MSA 15.311 :

MSA	Items
15.362	Knife edged, width 3.50 mm (2)
15.363	S-C05 type ø 0.50 mm, length 3 mm (3)



MSA	Graduations	Kg
15.425	0-25	0.700

Set of a Micrometer TESA® Electron Basic, accuracy 0.01 mm including 7 pairs of interchangeable spindles 0-25 mm composed of :

- 1 micrometer
 - set of 7 pairs of spindles with faces : flat, small-flat, spherical, large-flat, narrow-flat, cone shape, knife edged.
- Delivered in synthetic box.



MSA	Graduations mm	Kg
15.426	0-30	0.280

Electronic micrometer TESA® Micromaster IP540, accuracy 0.001 mm. Measuring span of 30 mm, tips ø 6.5 mm. Large easy-to-read digital display. Delivered in synthetic box.

MEASURING TOOLS | MEASURING INSTRUMENTS



MSA	Type	Ø mm	Progression µm
15.020-xxx	TLH	0.050-0.080	Odd
15.021-xxx	TLH	0.050-0.080	Even
15.022-xxx	TLH	0.081-0.309	Odd
15.023-xxx	TLH	0.081-0.309	Even
15.024-xxx	TXH	0.300-1.509	Odd
15.025-xxx	TXH	0.300-1.509	Plain Nb.
15.026-xxx	TXH	0.300-1.509	Even
15.027-xxx	TXH	1.510-3.509	Odd
15.028-xxx	TXH	1.510-3.509	Plain
15.029-xxx	TXH	1.510-3.509	Even
15.030-xxx	TXH	3.510-10.00	Even/Odd
15.031-xxx	TXH	3.510-10.00	Plain Nb.

Plug gauges : precision instruments for inspecting small diameter bores. Available in 2 standard versions with measurement tolerance 0.4 µm :

- **TLH** type **(1)** with a 30 mm long aluminium handle from Ø 0.050 up to 0.300 mm by step of 2 µm or 1 µm.
- **TXH** type **(2)** with aluminium handle from Ø 0.300 up to 10.000 mm by step of 10 µm, 2µm or 1 µm.

➤ Please precise the exact Ø when ordering.

Accessories :

MSA	Item
15.070	Wooden box only for 50 Plug gauges type TXH (Ø 1.51 to 3.509).