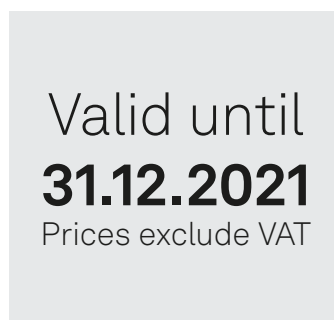
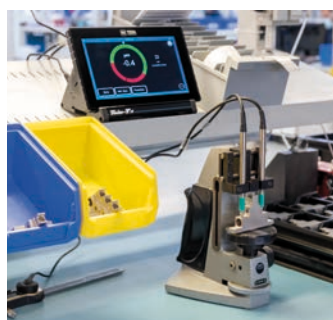




TESA HITS 2021 ²

Version EN-EUR



MAKE IT SMARTER

New product: TWIN-T20

The TWIN-T20 digital display allows two measured values to be displayed simultaneously, both on the production floor and in the test laboratory.



More info
on page 7

Simultaneous display of 2 values

4 integrated display styles



Large 7" touch screen

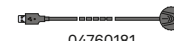
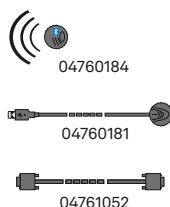
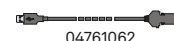
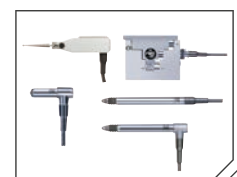
Intuitive measurement setting

04430014

Part number	Designation	List price [€]
04430014	TESATRONIC TWIN-T20*	1390
04460013	Stylus + holder	125

* Design DM/212520

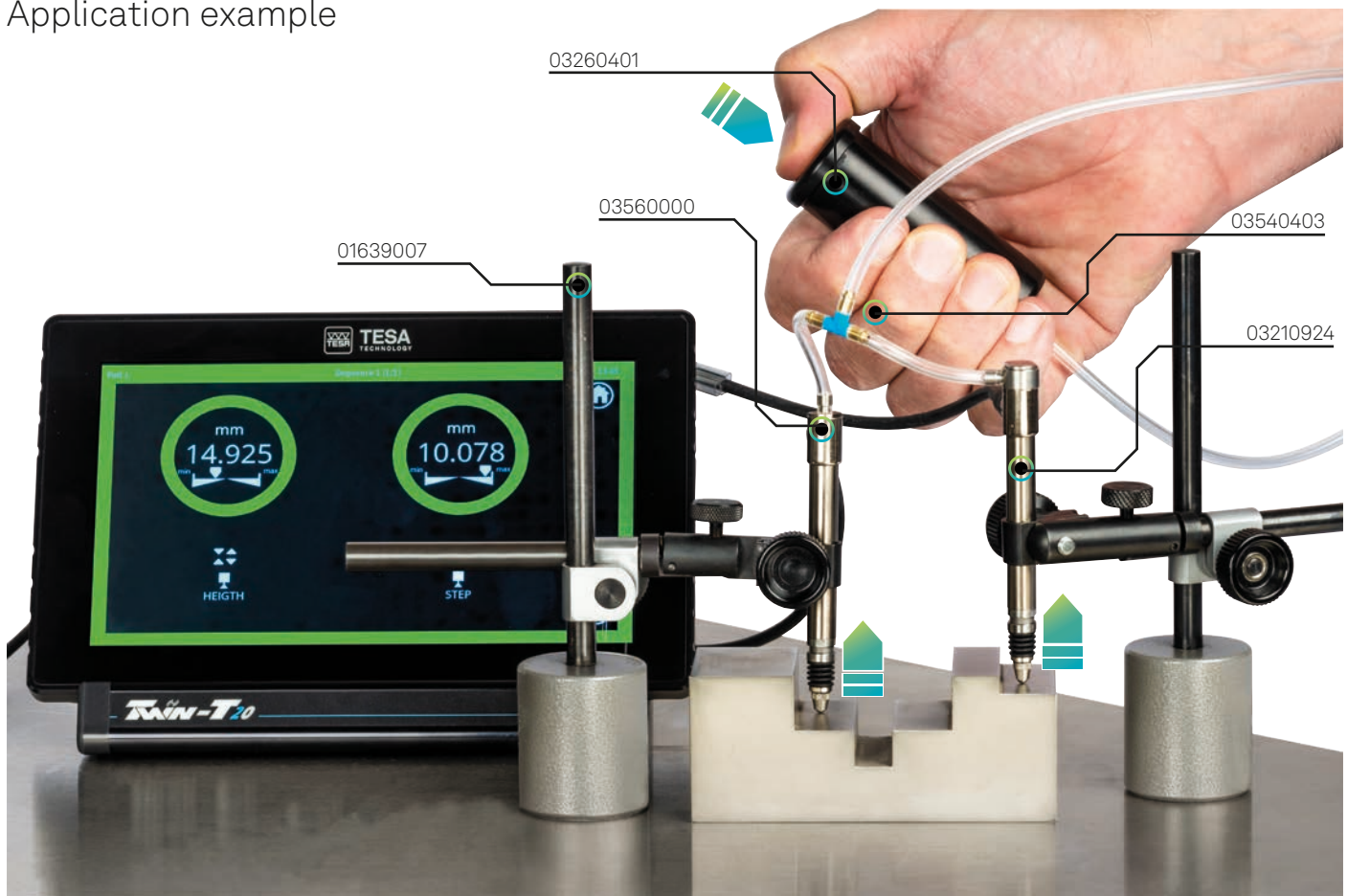
Connectivity



Part number	Designation	List price [€]	Promo price [€]
04760181	TLC-USB cable, 2m	98	88
04760184	TLC-BLE emitter	43	38
04761052	Extension, Sub-D 9p/f to 9p/m, 2 m	37	29
04761062	OPTO-RS232 to USB cable, duplex, 2 m	237	189
04761071	Foot switch, USB, 2 m	134	107
04768000	Hand switch, Jack, 1,8 m	99	79
04768001	Foot switch, Jack, 1,8 m	287	229



Application example



Part number	Designation	List price	Promo price
		[€]	[€]
03210924	Standard probes GT22, ± 1 mm, 4,3 mm bolt travel	320	256
01639035	Measuring support, granite, 100 x 150 x 40 mm, H = 240 mm	413	330
02660048	VDE 28 probe holder, $\varnothing 8$ mm	88	70
01639007	UJ 15 magnetic support	160	128
03260401	Pneumatic retraction device of the measuring bolt, manually operated	236	188
03560000	Straight connector, M4, for $\varnothing 4,7/\varnothing 2$ mm tube	22	17
03540403	T-connector, for $\varnothing 4,7/\varnothing 2$ mm tube	23	18



“Our latest innovation for clear visualisation of measured values. With this high-performance display, you will be perfectly equipped for the future to meet the high demands on performance, ease of use and multifunctional connectivity. «The Swiss army knife in its class».

For 80 years - we make it smarter!.,

Uwe Burkardt, Marketing Director

TESA MICRO-HITE

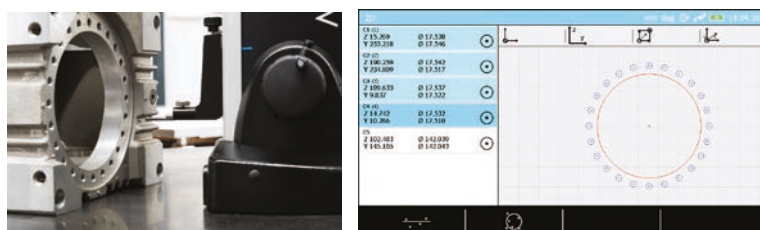


After registration

With adjustable hybrid multi-user panel
(touch screen + keyboard)



Easy 2D-measurement due to clear graphic visualization



Efficient determination of the culmination points with the LED control light



00730074

Part number	Designation	Displacement	Maximum permissible errors* [μm]	Repeatability limit [μm]	List price [€]	Promo price [€]
00730080	MICRO-HITE+M 600	Motorised	1,8+2L/1000	on surface: ≤ 0,5; on arc: ≤1	6520	5860
00730074	MICRO-HITE 600	Manual	2+2L/1000	on surface: ≤ 1; on arc: ≤ 1	6515	5860
00760232	Starter kit, 4 elements				615	492

* L in mm

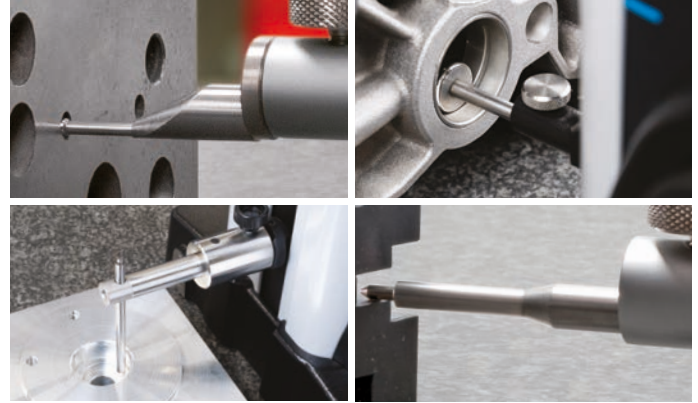
Accessories for height gauges

Starter kit, 4 elements



492€

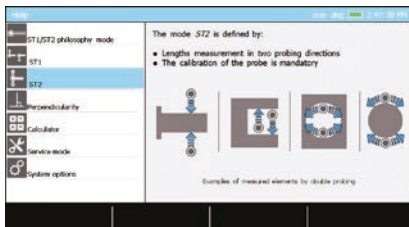
00760232



SCS-certificate included:
Instrument ready for immediate use



Context-based help Intelligent user follow-up



Easy data transfer to USB stick / printer / PC
Generate a pdf measuring report directly from the programme



More info
on page 7

"I'm proud of our worldwide reputation for highly valued height gauges covering both entry level and fully-professional models, we can offer you the right solution for all of your personal measuring needs.,,"

Stefan Pittrich, Sales Director





“What fascinates me at TESA is this ability to cultivate the best mix of technologies and associated mechanical design. The TESA-HITE MAGNA is a good example: designed for the workshop, ultra resistant in demanding environments, connected 4.0 with easy data transfer to PC and as intuitive as a caliper. Not surprising we designed a bestseller!,,

Eric Bellanger, Sales Manager

TESA-HITE MAGNA



SCS certificate included



More info on page 7



00730082

For workshops

1D measurement

Manual displacements

400mm – 700mm

TLC

Included SCS certificate

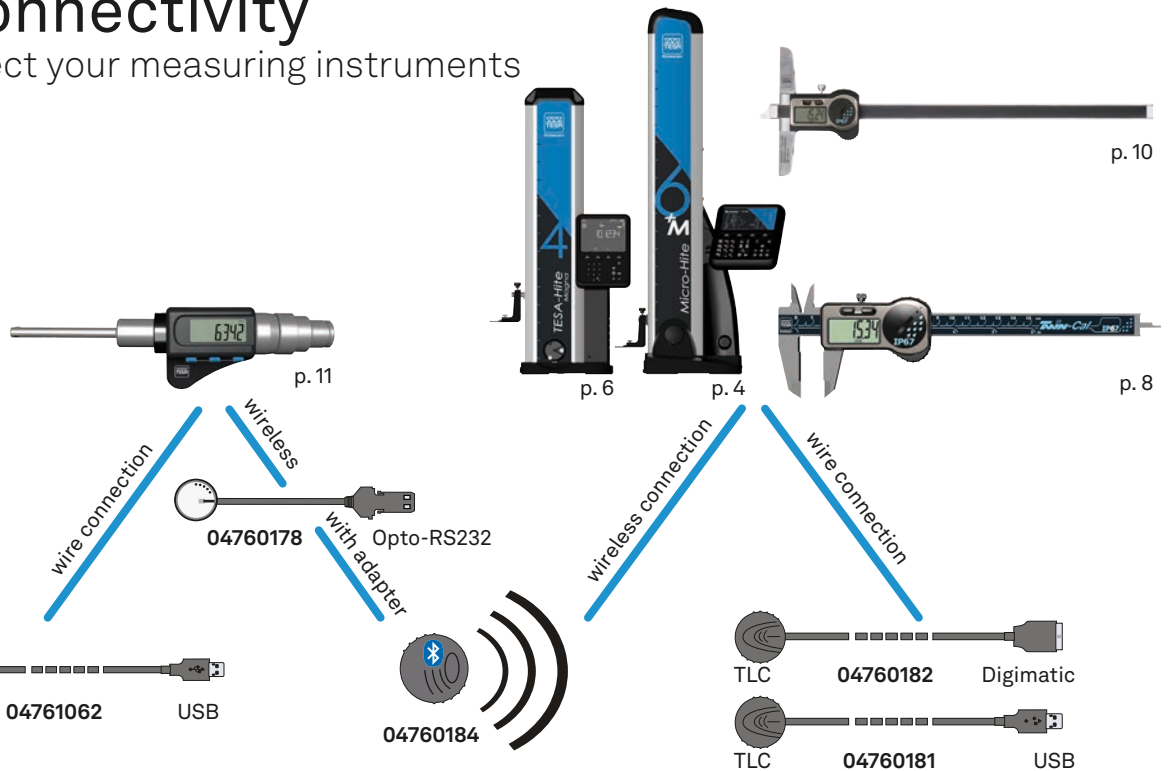
Measuring system: IP55
Panel: IP65



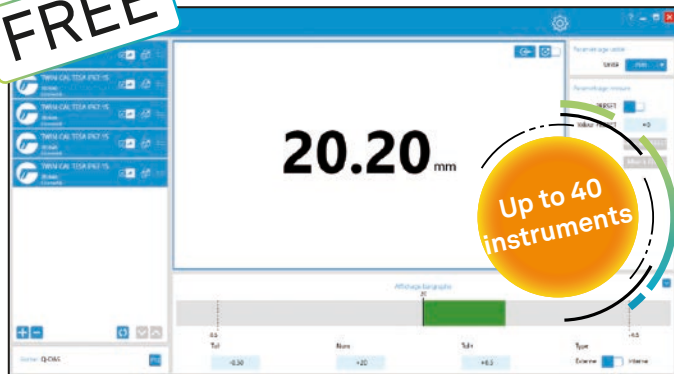
Part number	Designation	Maximum permissible errors [µm]	Repeatability limit [µm]	Air cushion	List price [€]	Promo price [€]
00730082	TH MAGNA 400	8	on surface: ≤ 3; on arc: ≤5	–	3090	2470
00730083	TH MAGNA 700	8	on surface: ≤ 3; on arc: ≤5	–	3660	2920

TESA connectivity

How to connect your measuring instruments



FREE



TESA DATA-VIEWER allows a quick and easy handling in order to export the results to a data processing program or to automatically create files in known formats such as *.xls, *.csv or *.txt.

TESA DATA-VIEWER is downloadable free of charge from the TESA website¹.

<https://go.hexagonmi.com/DATA-VIEWERsoftware>

¹ TESA instrument drivers included; Software requirements: Windows 10, 32 & 64-bit processor;
Hardware requirements: Intel i5 or equivalent, 4 GB RAM, 100 MB HDD



04981002

The Statistical Process Control software TESA STAT-EXPRESS software is a simple way to develop measurement programs from which it is possible to calculate in real time all the important statistical characteristics. Quick to learn, it manages also automatically the measuring reports.

Part number	Designation	List price	Promo price
		[€]	[€]
04760183	Starter kit TLC-BLE**: Bluetooth® emitter + USB dongle* receiver + 1,5 m extension cable	74	66
04760184	TESA TLC-BLE** Emitter	43	38
04760185	USB dongle* receiver + 1,5 m extension cable	32	28
04760178	Cable adapter Opto-TLC	100	-
04760182	TESA TLC-DIGIMATIC cable	185	166
04760181	TESA TLC-USB cable	98	88
04761062	USB-Opto-RS232 cable	237	189
04981002	TESA STAT-EXPRESS software	935	841
	TESA DATA-VIEWER	-	FREE



04760183

*One single USB dongle can be used to connect up to 8 instruments. It's not needed with Windows 10 (Release ≥1703, Creators Update) and integrated Bluetooth® 4.0 hardware on computer

**This product is only available in countries where it is officially certified. Visit our website to know the list of countries in which the TESA TLC-BLE wireless Bluetooth® emitter is available.

TESA TWIN-CAL IP67 & TESA TWIN-CAL



More info
on page 7



THINK BIG!
Buy "3" TWIN-CAL IP67
and save 7€/caliper

Part number	Designation	Measuring range [mm]	Thumb roller	Depth rod	Data transmission	List price [€]	Promo price [€]
00530319	TWIN-CAL IP67	150	–	■	✓	169	135
00530320	TWIN-CAL IP67	150	–	●	✓	169	135
00530321	TWIN-CAL IP67	150	✓	●	✓	169	135
00530322	TWIN-CAL IP67	200	✓	■	✓	231	184
00530323	TWIN-CAL IP67	300	✓	■	✓	298	238
00530319P	TRIO-PACK TWIN-CAL IP67	150	–	■	✓	481	384
00530320P	TRIO-PACK TWIN-CAL IP67	150	–	●	✓	481	384
00530094	TWIN-CAL	150	✓	●	✓	114	91
00530095	TWIN-CAL	200	✓	■	✓	168	134
00530096	TWIN-CAL	300	✓	■	✓	224	179
00530097	TWIN-CAL	150	–	■	✓	114	91
00530094P	TRIO-PACK TWIN-CAL	150	✓	●	✓	309	247

THINK CONNECTED!
Your connected solution for only 173€

135€ + 38€ =

173€





“Thanks to its excellent price/performance ratio, the TWIN-CAL range is one of our customers’ favourites: its ergonomic design and connectivity are, among other things, the keys to its success.,,”

Aurélie Holzer, Team Leader Internal Sales

TESA-CAL IP67

IP67: the highest protection at the best price.



THINK BIG!
Buy "3" TESA-CAL IP67
and save 3€/caliper



Part number	Designation	Measuring range [mm]	Thumb roller	Data transmission	Depth rod	List price [€]	Promo price [€]
00530140	TESA-CAL IP67	150	—	—	■	100	80
00530141	TESA-CAL IP67	150	—	—	●	100	80
00530142	TESA-CAL IP67	200	✓	—	■	148	118
00530143	TESA-CAL IP67	300	✓	—	■	199	159
00530140P	TRIO-PACK TESA-CAL IP67	150	—	—	■	289	231
00530141P	TRIO-PACK TESA-CAL IP67	150	—	—	●	289	231

Workshop calipers

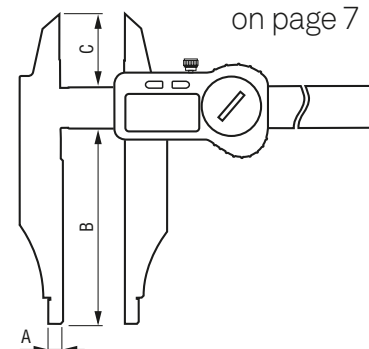
Models with rounded measuring faces for internal dimensions and knife-edge jaws for external dimensions.



More info
on page 7



00530431



Part number	Measuring range [mm]	A [mm]	B [mm]	C [mm]	List price [€]	Promo price [€]
00530431	0 ÷ 200	5	80	30	411	328
00530433	0 ÷ 300	5	90	37	488	390
00530434	0 ÷ 500	10	150	60	812	649



Depth calipers

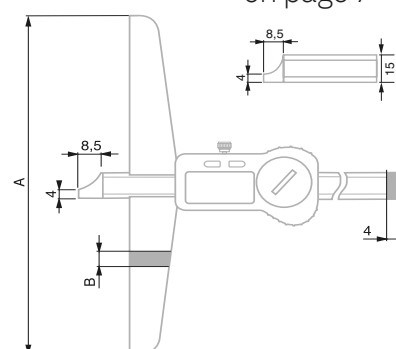
Models with short cut measuring face.



More info
on page 7



00530441



Part number	Measuring range [mm]	A [mm]	B [mm]	List price [€]	Promo price [€]
00530441	0 ÷ 200	100	8	434	347
00530443	0 ÷ 300	150	8	479	383
00530444	0 ÷ 500	150	8	592	473



TESA IMICRO CAPA μ SYSTEM

No influence of temperature variation on the measurement.



06130114

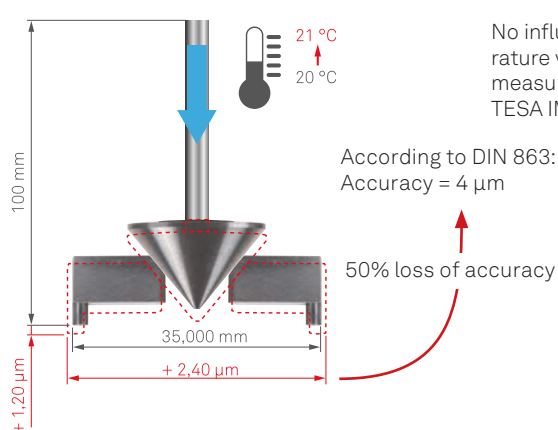
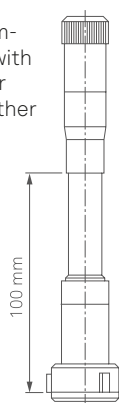


More info
on page 7

Part number	Measuring range [mm]	Resolution [mm]	Maximum permissible errors [μ m]	Repeatability limit [μ m]	List price [€]	Promo price [€]
06130101	3,5 ÷ 4	0,001	4	4	1374	1090
06130102	4 ÷ 4,5	0,001	4	4	1374	1090
06130103	4,5 ÷ 5,5	0,001	4	4	1374	1090
06130104	5,5 ÷ 6,5	0,001	4	4	1374	1090
06130105	6 ÷ 8	0,001	4	4	1099	870
06130106	8 ÷ 10	0,001	4	4	1108	880
06130107	10 ÷ 12	0,001	4	4	1118	890
06130108	11 ÷ 14	0,001	4	4	1124	890
06130109	14 ÷ 17	0,001	4	4	1130	900
06130110	17 ÷ 20	0,001	4	4	1136	900
06130111	20 ÷ 25	0,001	4	4	1142	910
06130112	25 ÷ 30	0,001	4	4	1154	920
06130113	30 ÷ 35	0,001	4	4	1171	930
06130114	35 ÷ 40	0,001	4	4	1183	940
06130115	40 ÷ 50	0,001	4	4	1226	980
06130116	50 ÷ 60	0,001	5	5	1245	990
06130117	60 ÷ 70	0,001	5	5	1281	1020
06130118	70 ÷ 80	0,001	5	5	1306	1040
06130119	80 ÷ 90	0,001	5	5	1335	1060
06130120	90 ÷ 100	0,001	5	5	1360	1080

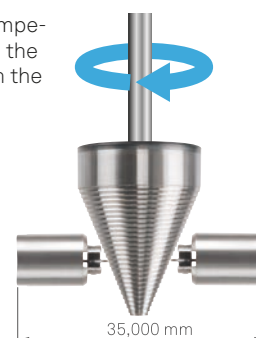
Other manufacturers

Influence of the temperature variation with internal micrometer manufactured by other manufacturers



TESA IMICRO

No influence of temperature variation on the measurement with the TESA IMICRO

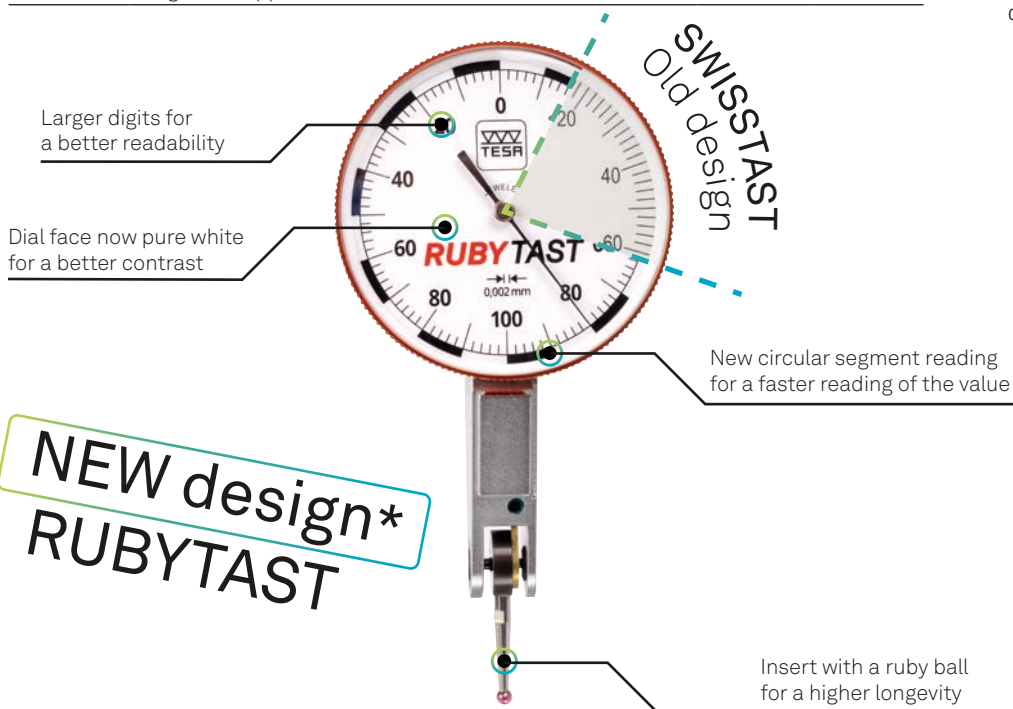


TESA RUBYTAST & Mini-Set

Part number	Designation	Measuring range [mm]	Scale interval [mm]	Dial Ø [mm]	List price [€]	Promo price [€]
01811000	TESA RUBYTAST*	0,8	0,01	28	136	108
01811001	TESA RUBYTAST*	0,2	0,002	38	169	135

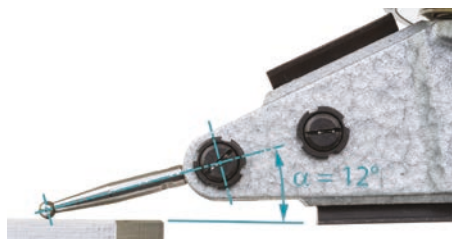
* Design DM/213558

Part number	Designation	List price [€]	Promo price [€]
01639056	TESA RUBYTAST Mini-Set: Magnetic support 01639010 + RUBYTAST 01811001	218	174
01639010	Magnetic support	67	53



TESA INTERAPID 312

Part number	Measuring range [mm]	Scale interval [mm]	Dial Ø [mm]	List price [€]	Promo price [€]
074111366	1,6	0,01	37,5	266	212
074111367	1,6	0,01	30	264	211
074111368	0,4	0,002	37,5	323	258
074111369	0,4	0,002	30	321	256



All TESA INTERAPID 312 models are designed to give a true reading when the angle between the stylus and the workpiece surface is 12° (see illustration).

Stylus insert with angular position of 12°

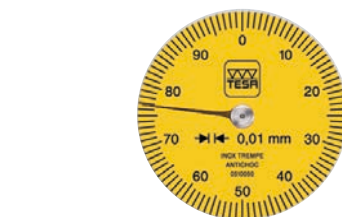


TESA classic series

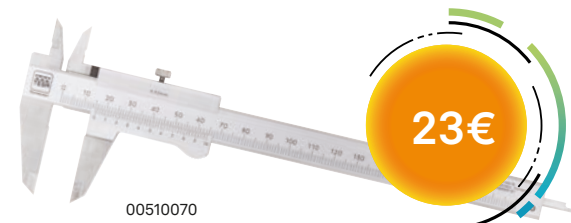
0 ÷ 100mm



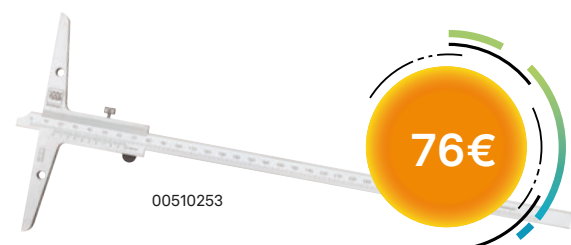
00160201



00510050



00510070



00510253

Part number	Designation	Measuring range	Resolution	List price	Promo price
		[mm]	[mm]	[€]	[€]
00110101	ISOMASTER vernier external micrometer	0 ÷ 25	0,01	172	137
00110102	ISOMASTER vernier external micrometer	25 ÷ 50	0,01	253	202
00110103	ISOMASTER vernier external micrometer	50 ÷ 75	0,01	268	214
00110104	ISOMASTER vernier external micrometer	75 ÷ 100	0,01	308	246
00110113	ISOMASTER vernier external micrometer set	0 ÷ 100	0,01	995	796
00160201	Micrometer stand			119	95
00510050	Dial caliper	0 ÷ 150	0,01	138	110
00510070	Universal vernier caliper	0 ÷ 150	0,02	29	23
00510073	Universal vernier caliper	0 ÷ 150	0,05	29	23
00510233	Depth vernier caliper	0 ÷ 150	0,02	75	60
00510243	Depth vernier caliper	0 ÷ 200	0,02	85	68
00510253	Depth vernier caliper	0 ÷ 300	0,02	95	76

TESA CLINOBEVEL 3 INCLINOMETER

Robust and easy to use, the TESA CLINOBEVEL 3 is a top of the range portable precision inclinometer, it's available in aluminium or cast iron.



05330210

Cast iron model, rust protected



Part number	Designation	Measuring range [°]	Resolution [mm/m]	List price [€]	Promo price [€]
05330210	TESA CLINOBEVEL 3 60 DEG IRON	± 60	0,025	3854	3460
05330211	TESA CLINOBEVEL 3 60 DEG ALU	± 60	0,025	3854	3460
05330214	TESA CLINOBEVEL 3 1 DEG IRON	± 1	0,001	8551	7690

TESA CLINOBEVEL 1 USB

Portable and compact instrument to measure horizontal and vertical inclination up to ± 45°. Light, manageable and battery operated it can be used directly on the piece to be measured.



05330204

Part number	Designation	Measuring range [°]	List price [€]	Promo price [€]
05330203	CLINOBEVEL1 USB SET (with CLINOSOFT software and USB cable)	± 45	1708	1530
05330204	CLINOBEVEL1 USB	± 45	1538	1380

TESA RUGOSURF

RUGOSURF 20: 15 most used roughness parameters.

RUGOSURF 90G: 49 roughness parameters.



Included: 2µm stylus tip radius



06930012P



06930013

Easy to use and ideal for shopfloor

SET for advanced tasks in roughness testing

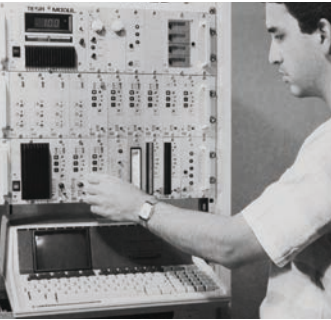
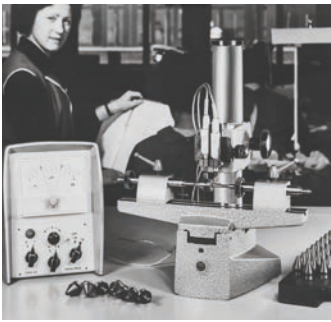
Part number	Designation	List price	Promo price
		[€]	[€]
06930013	TESA RUGOSURF 20	1778	1600
06930012	TESA RUGOSURF 90G	6330	5690
06930012P	TESA RUGOSURF 90G + MEASUREMENT STUDIO software + PC cable	7139	6420

Free download Data Connection tool: <https://go.hexagonmi.com/DataConnectionTool>

"The TESA families of inclinometers and roughness gauges have in common their accuracy and ease of use. Here you will always find the right product for your needs!..

Valéry Blanchet, Product Manager





"I'm very proud of TESA for this 80th anniversary. It's an incredible legacy! For all these years TESA has been at the forefront of innovation in metrology. Today we continue to serve millions of customers worldwide with one promise: the quality of our products guarantees the quality of YOUR products!,"

Fabrice Schertenleib, Managing Director



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