



HEXAGON
MANUFACTURING INTELLIGENCE



TESA
TECHNOLOGY

Brown & Sharpe

BEST DEALS



TESA Brown & Sharpe quality measuring instruments at the best prices.

Valid until 08.31.2018
Prices exclude VAT
Version B&S - EN - USD



TESA-HITE 400/700

Robust and reliable. Ideally suited for multifunctional applications on the shop floor

- Integrated air-bearing for easy displacement across the granite plate.
- Electronics totally protected against liquid and dust particles (IP65).

Order Number	EDP Number	Description	Measuring Range (in)	Maximum Permissible Errors (in)	Repeatability Limit	Reg. Price	Promo Price
00730043	24675	TESA-HITE 400	0 - 16	0.0001 +0.000004L	On flat: $2\sigma = < 0.0001$; Into bore $2\sigma = < 0.00015$	\$4,790	\$4,310
00730044	24676	TESA-HITE 700	0 - 28	0.0001 +0.000004L	On flat: $2\sigma = < 0.0001$; Into bore $2\sigma = < 0.00015$	\$5,490	\$4,940



Order Number	EDP Number	Description	Reg. Price	Promo Price
07.60175	28365	Probe set	\$826	\$661

PROBE SET

- 00760177 – Probe insert holder
- 07.60178 – Hardened steel rod for grooves, centering shoulders, blind bores etc, angled through 8°
- 00760179 – Tungsten carbide cylindrical rod for depth measurement
- 00760180 – Probe inserts with a 0.9mm dia. hardened steel ball tip
- 00760181 – Probe inserts with a 1.9mm dia. hardened steel ball tip
- 00760182 – Probe inserts with a 2.9mm dia. hardened steel ball tip
- 00760183 – Hardened steel probe insert with a cone-shaped measuring face, 8mm dia.
- 00760184 – 20mm extension with an M3 thread for inserts with M3 thread
- 00760185 – 20mm extension with an M3 thread for inserts with M2.5 thread



TESA-HITE PLUS M 400/700

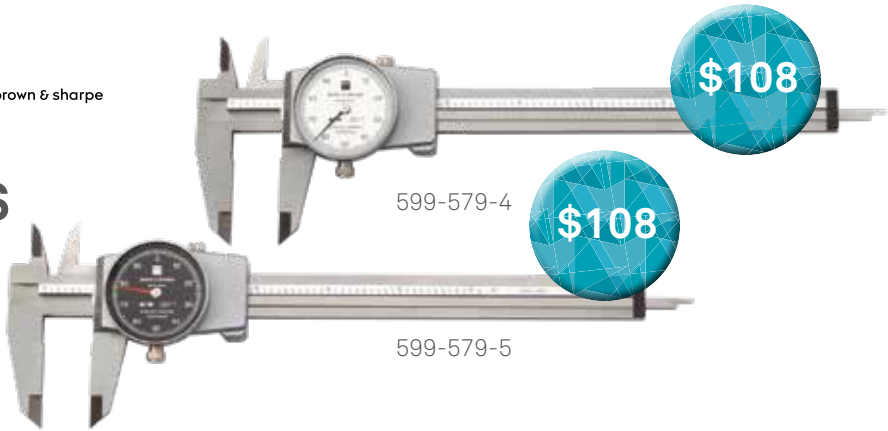
2D motorized height gages that offer a wide range of functions at an unparalled price/performance ratio

Order Number	EDP Number	Description	Measuring Range (in)	Maximum Permissible Errors (in)	Repeatability Limit	Reg. Price	Promo Price
00730045	35359	TESA-HITE M 400	0 - 16	0.0001 +0.000003L	On flat: $2\sigma = < 0.00005$; Into bore $2\sigma = < 0.0001$	\$7,210	\$6,130
00730046	35360	TESA-HITE M 700	0 - 28	0.0001 +0.000003L	On flat: $2\sigma = < 0.00005$; Into bore $2\sigma = < 0.0001$	\$7,880	\$6,695
00730057	35362	TESA-HITE M 400 + printer	0 - 16	0.0001 +0.000003L	On flat: $2\sigma = < 0.00005$; Into bore $2\sigma = < 0.0001$	\$7,695	\$6,530
00730058	35363	TESA-HITE M 700 + printer	0 - 28	0.0001 +0.000003L	On flat: $2\sigma = < 0.00005$; Into bore $2\sigma = < 0.0001$	\$8,385	\$7,095



DIAL-CAL DIAL CALIPERS

Featuring a covered stainless steel rack and patented shockproof design



Order Number	EDP Number	Measuring Range (in)	Resolution/Accuracy (in)	Thumb Roller	Dial Face Color	Range Per Rev. (in)	Reg. Price	Promo Price
599-579-4	51774	0-6	0.0005/0.001	Without	Silver	0.1	\$135	\$108
599-579-5	51879	0-6	0.0005/0.001	Without	Black	0.1	\$135	\$108

BROWN & SHARPE TWIN-CAL IP67

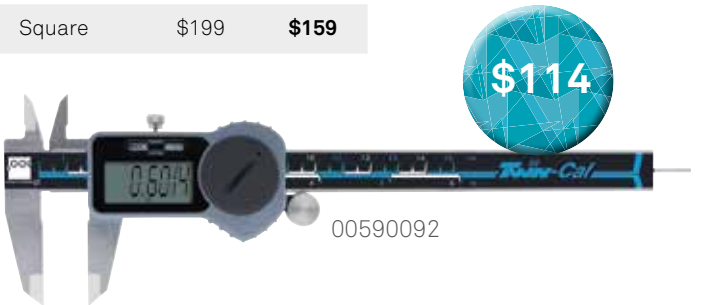
- Highest IP67 protection against liquids and dust, even with output cable connected
- Large display and “Soft touch” features for comfortable measurement
- Bidirectional communication via cable or wireless mode



Order Number	EDP Number	Description	Measuring Range (in)	Resolution/Accuracy (in)	Thumb Roller	Depth Rod	Reg. Price	Promo Price
00590302	47236	Brown & Sharpe TWIN-CAL IP67	0 – 6	0.0005/0.001	Yes	Round	\$199	\$159
00590303	47237	Brown & Sharpe TWIN-CAL IP67	0 – 6	0.0005/0.001	Yes	Square	\$199	\$159

BROWN & SHARPE TWIN-CAL

- Same measuring system as the IP67 version
- Great reading comfort
- Bidirectional communication at the best price



Order Number	EDP Number	Description	Measuring Range (in)	Resolution/Accuracy (in)	Thumb Roller	Depth Rod	Reg. Price	Promo Price
00590092	47473	Brown & Sharpe TWIN-CAL	0 – 6	0.0005/0.001	Yes	Round	\$143	\$114
00590093	47474	Brown & Sharpe TWIN-CAL	0 – 6	0.0005/0.001	Yes	Square	\$143	\$114

CONNECTIVITY CABLES

Order Number	EDP Number	Description	Reg. Price	Promo Price
04760181	47428	TESA TLC-USB cable	\$167	\$109
04760182	47429	TESA TLC DIGIMATIC cable	\$241	\$183



INTRIMIK INTERNAL MICROMETERS - INDIVIDUAL UNITS

The only internal micrometer that respects the Abbe’s principle of alignment.

Three contact points spaced 120° apart, ensuring proper centering and alignment - even in deep holes.



Order Number	EDP Number	Measuring Range (in)	Analog Scale Interval (in)	Maximum Permissible Errors (in)	Repeatability Limit (in)	Reg. Price	Promo Price
599-281-3	43972	.275-.350	0.0001	0.00016	0.00016	\$579	\$492
599-281-4	43974	.350-.425	0.0001	0.00016	0.00016	\$581	\$494
599-281-5	43976	.425-.500	0.0001	0.00016	0.00016	\$587	\$499
599-281-6	43978	.500-.600	0.0002	0.00016	0.00016	\$595	\$506
599-281-7	43980	.600-.700	0.0002	0.00016	0.00016	\$599	\$509
599-281-8	43982	.700-.800	0.0002	0.00016	0.00016	\$613	\$521
599-281-10	43984	.800-1.0	0.0002	0.00016	0.00016	\$656	\$558
599-281-12	43986	1.0-1.2	0.0002	0.00016	0.00016	\$664	\$564
599-281-14	43988	1.2-1.4	0.0002	0.00016	0.00016	\$672	\$571
599-281-16	43990	1.4-1.6	0.0002	0.00016	0.00016	\$683	\$581
599-281-20	43992	1.6-2.0	0.0002	0.00016	0.00016	\$776	\$660
599-281-24	43994	2.0-2.4	0.0002	0.00020	0.00020	\$787	\$669
599-281-28	43996	2.4-2.8	0.0002	0.00020	0.00020	\$802	\$682
599-281-32	43998	2.8-3.2	0.0002	0.00020	0.00020	\$823	\$700
599-281-36	44000	3.2-3.6	0.0002	0.00020	0.00020	\$838	\$712
599-281-40	44002	3.6-4.0	0.0002	0.00020	0.00020	\$851	\$723



THE ABBE’S PRINCIPLE

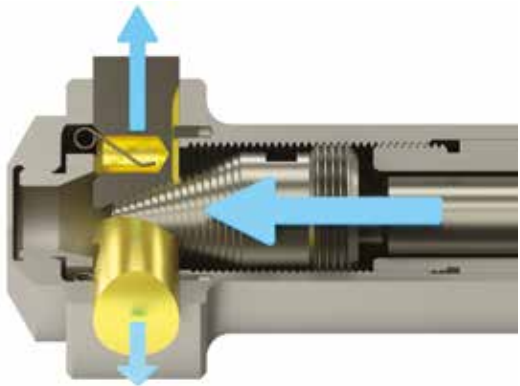
Each TESA INTRIMIK internal micrometer conforms precisely to Abbe’s principle.

Ernest Abbe formulated the following principle:

“The length to be measured on the workpiece and that of the material measure to be used for comparison must be lying on a same axis.”

Respecting the Abbe’s principle allows us to:

- avoid errors of the first instance to occur
- guarantee that the entire measuring force of the instrument is transmitted to the measuring bolts



TESA CLINOBEVEL 1 USB

Compact electronic inclinometer for direct and differential measurements. Angles or inclinations can be displayed in different units and resolutions.

CLINOBEVEL 1 USB can be used on all four measuring faces



05330203

Order Number	EDP Number	Description	Measuring Range	Resolution (mm/m)	Included	Reg. Price	Promo Price
05330203	36119	CLINOBEVEL 1 USB	± 45°	≥0.02	CLINOSOFT software and USB cable	\$2,027	\$1,825



\$1,825



53.31002



53.31204

\$1,305

\$1,555

TESA PRECISION FRAME SPIRIT LEVELS

For checking and aligning flat or cyndrical surfaces in horizontal and vertical positions

Order Number	EDP Number	Description	Scale Interval (mm/m)	For Shafts Ø (mm)	Dimensions (mm)	Reg. Price	Promo Price
53.31201	86590	Precision spirit level with frame	0.05	17 - 84	100 x 100 x 32	\$1,366	\$1,160
53.31204	86589	Precision spirit level with frame	0.05	17 - 94	150 x 150 x 35	\$1,536	\$1,305
53.31002	86593	Precision spirit level with frame and magnetic inserts	0.05	19 - 108	150 x 150 x 40	\$1,830	\$1,555

BROWN & SHARPE COMBINATION SQUARE SET

Order Number	EDP Number	Description	Reg. Price	Promo Price
599-438-1204-1	44193	Combination square set with hardened square head, hardened center head, reversible protractor and satin-chrome finish blade	\$265	\$225



599-438-1204-1

\$225

BROWN & SHARPE TRY SQUARE SETS

Complete in a shop-hardened, protective molded case

- Squareness of the blade edge to the working face of stock is .0006"

Order Number	EDP Number	Blade (in)	Reg. Price	Promo Price
599-540-2346	27060	2, 3, 4, 6	\$109	\$93



599-540-2346

\$93

BROWN & SHARPE NO. 750-4 PERMANENT MAGNET BLOCK

- Holds work in contact with the V faces
- Block is accurately ground and faces of V-groove are hardened
- Removable stop plate furnished for back end of block
- "V" takes round stock to 1-3/4" diameter
- Sides and bottom are parallel to V to .001" and V is central within .001"

Order Number	EDP Number	Dimensions (in)	Reg. Price	Promo Price
599-750-4	44537	3-3/16 H x 5-1/4 L x 2-7/16	\$1,493	\$1,345



599-750-4

\$1,345

TESA UNIMASTER

MEASURING FOR LARGE DIMENSIONS

- Portable instrument, particularly suitable when large parts cannot be transported in measuring laboratories, especially during maintenance on site
- 2 in 1 instrument for internal and external measurement
- The setting standard included in the carrying case allows to save the cost of bulky and expensive reference parts

Order Number	EDP Number	Description	Internal Dimensions (in)	External Dimensions (in)	Reg. Price	Promo Price
11.20000	40245	Complete Set	10 – 59	9 – 58	\$30,151	\$27,151



11.20000

\$27,151



Learn more about this unique solution for measuring large diameters. Access the online video through this QR code.



For questions and concerns, please contact TESA Customer Service:
 tesaorders.us@hexagonmetrology.com / 401-886-2740 (toll free 1-800-283-3600)
 Our Swiss team of experts can also assist you and can be reached at tesa.service@hexagon.com