

BEST DEALS



TESA Brown & Sharpe measurement tools and solutions: perfection down to the detail for every user!

Valid until 04.30.2018 Prices exclude VAT Version B&S - EN - USD









TESA MICRO-HITE

Motorized or manual – the ultimate reference

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





SCS-certificate included: instrument ready for immediate use

Efficient determination of the culmination points with the LED control light





Easy data transfer to USB stick/printer/PC

NEW!

Generate a PDF measuring report directly from the program



.hexagonmi.com/MICRO-HITEvideo





VVV. TESR

NEW!

Worry free thanks to the highest quality standard and 4 years of warranty for all new TESA MICRO-HITE models



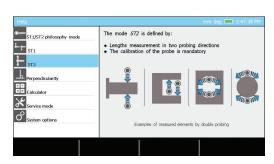


Context-based help – intelligent user follow-up



Warranty conditions on our website

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C1 (1) Z 15.269 Y 235.218	Ø 17.538 Ø 17.546	0	Ţ.,	l ^z y	Į	L
C2 (2) Z 190.259 Y 234.809	Ø 17.542 Ø 17.517	\odot			0 0 0	
C3 (3) Z 189.633 Y 9.837	Ø 17.537 Ø 17.522	0		o /		0
C4 (4) Z 14.742 Y 10.266	Ø 17.532 Ø 17.510	0		0		0
CS Z 102.483 Y 145.105	Ø 142.039 Ø 142.043	\odot		0		
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FREE

Free battery kit with purchase!

Battery kit includes battery and loading station. A \$258 value!



Reg. Price (\$)	Designation	EDP Number	Order Number
8500	MICRO-HITE 350 manual	76639	00730073
9000	MICRO-HITE 600 manual	76640	00730074
11100	MICRO-HITE 900 manual	76641	00730075
8900	MICRO-HITE 350F manual, fine adjustment	76620	00730076
9500	MICRO-HITE 600F manual, fine adjustment	76621	00730077
11500	MICRO-HITE 900F manual, fine adjustment	76623	00730078
8900	MICRO-HITE+M 350 motorized	76624	00730079
9500	MICRO-HITE+M 600 motorized	76625	00730080
11500	MICRO-HITE+M 900 motorized	76626	00730081
Free with purchase	Battery kit with battery and loading station	76629	00760252









57.10012

VERIBOR BORE GAGES

High precision (max. permissible errors 0.00008 in, repeatability: 0.00002 in), two-point measurement of inside diameters. The best choice for the detection of roundness errors.

- No mechanical play due to circular reversing element
- Invar steel body and plastic hand grip ensures high stability and no effect from temperature
- Centering shoe for correct alignment of the instrument into the bore
- Tungsten carbide tips for high resistance to wear



Order Number	EDP Number	Measuring Range (in)	Reg. Price (\$)	Promo Price (\$)
57.10012	41420	.177236	1798	1150
57.10013	41421	.236472	1299	845
57.10014	41422	.472984	722	495
57.10015	41423	.984 - 1.97	778	545
57.10016	41424	1.97 - 5.91	916	640
57.10017	41425	9.44 - 21.7	2016	1410
57.10018	41426	1.97 - 11.81	1268	825

VERIBOR can be used with dial indicator, digital indicator or an inductive probe and TESATRONIC display.

DIAL GAGES

- The best accuracy and reliability
- DIGICO 705 features a bar graph on the display and a preset function that allows the display to be set to the smallest setting ring value

Order Number	EDP Number	Description	Measuring Range (in)	Numerical Scale Interval	Reading	Reg. Price (\$)	Promo Price (\$)
01426028	20378	MERCER Dial indicator, 2.25 in dial diameter	0.2	0.0001	0 - 50 - 0	448	335
01930258	46987	DIGICO 705 MI, 2.25 in dial diameter	0.5	0.00005		589	395



32.10904

TESA INDUCTIVE PROBES

- Excellent repeatability, durability and longevity
- The measuring bolt is mounted on ball bearings and is virtually unaffected by radial forces. Protected against the penetration of solid and liquid contaminants by rubber sealing bellows
- Probe inserts can be replaced or interchanged

32								
Order Number	EDP Number	Description	Measuring Range (in)	Repeatability Limit (µm)	Measuring Force (N)	Maximum Permissable Linearity Errors (µm)	Reg. Price (\$)	Promo Price (\$)
32.10904	41002	GT-21 probe with axial cable exit	± .040	0.01	0.63	0.2 + 3 · L ³ *	402	322
32.10924	41010	GT-22 probe with radial cable exit	± .040	0.01	0.63	0.2 + 3 · L ³ *	417	334

 $[\]mbox{\ensuremath{^{\star}}}$ Note: Linearity related to max. perm. errors (L in mm).



Intelligent display units, combined digital and analog display, for 1 or 2 inductive probes

- Choice of analog or bar display
- Inch/metric conversion
- Ability to set permissible limit values
- TESATRONIC TT60 & TT80 features a memory function for retaining MAX, MIN and other values, as well as dynamic measuring capabilities and value classification signals.



04430010

Order Number	EDP Number	Description	Number of Probe Inputs	Number of Measuring Range Settings	Lowest Range Value	Highest Range Value	Numerical Interval	Memory	Reg. Price (\$)	Promo Price (\$)
04430009	21087	TESATRONIC TT20	2	7	± 5 μm	± 5000 µm	0.1 µm	No	1590	1270
04430010	47179	TESATRONIC TT60	2	7	± 5 μm	± 5000 µm	0.1 µm	Yes	2228	1780
04430011	21088	TESATRONIC TT80	2	9	\pm 0.5 μm	± 5000 µm	0.01 µm	Yes	2676	2140

TESA µ-FINDER SET 31 AND SET 22

- A mobile, high precision set for quality control and service in a practical transport case
- Use Set 31 for alignment measurements and run-out
- Use Set 22 for comparative measurement applications

Order Number	EDP Number	Designation	Reg Price (\$)	Promo Price (\$)
04430013P1		TESA µFinder Set 31	2476	1888
Contains:				
04430013	45612	TESA TWIN-T10 display unit	1448	1160
32.10802	86188	GT 31 lever probe	908	725
16.39007	88386	Magnetic support INTERAPID UJ15	168	134
04430013P2		TESA µFinder Set 22	2027	1555
Contains:				
04430013	45612	TESA TWIN-T10 display unit	1448	1160
32.10924	41010	GT 22 probe	417	334
16.39007	88386	Magnetic support INTERAPID UJ15	168	134







04430013P







MICRO-ETALON 225 MICROMETER WITH DIAL INDICATOR

- The nominal dimensions are set on the micrometer while deviations are read on the dial indicator
- Benchmarks tolerances of the adjustable indicator in 2 colors for a quick check
- Retractable anvil by means of a push-button
- Micrometer with vernier reading to .0001 in and dial indicator .00005 in

Order Number	EDP Number	Measuring Range (in)	Inserts	Reg. Price (\$)	Promo Price (\$)
72.109837	41588	0-1	Standard inserts	1452	1220
72.109843	41590	1-2	Standard inserts	1527	1285
72.109857	41591	0-0.800	Pointed inserts	1544	1295



TESAMASTER PRECISION MICROMETER

- Silky smooth operation
- Easy, parallax free reading of the thousands of an inch units on the vernier
- Carbide measuring faces
- Thumb lock

Order Number	EDP Number	Measuring Range (in)	Maximum Permissible Errors (in)	Maximum Permissible Parallelism Error (µm)	Reg. Price (\$)	Promo Price (\$)
03.20001	42443	0-1	.0001	1	415	350



INTRIMIK INTERNAL MICROMETERS - FULL SETS

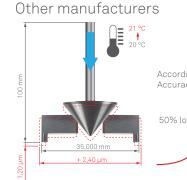
- A wide range of measuring flexibility
- Tools, setting rings and extensions in one set
- Each set includes an extension for reaching deeper into bores





Order Number	EDP Number	Full Range of Set	Individual Unit Number	Individual Unit Range (in)	Rings in Set (in)	Extension (in)	Reg. Price (\$)	Promo Price (\$)
00880100	20214	.275500"	599-281-3	.275350	.350, .425	4	2060	1650
			599-281-4	.350425				
			599-281-5	.425500				
00880400	20215	.500800"	599-281-6	.500600	.500, .700	6	2193	1750
			599-281-7	.600700				
			599-281-8	.700800				
00881200	20216	.800 - 1.600"	599-281-10	.800 - 1.000	1.000, 1.400	6	3154	2520
			599-281-12	1.000 - 1.200				
			599-281-14	1.200 - 1.400				
			599-281-16	1.400 - 1.600				
00881900	20217	1.600 - 4.000"	599-281-20	1.600 - 2.000	2.000, 2.800, 3.600	6	6349	5080
			599-281-24	2.000 - 2.400				
			599-281-28	2.400 - 2.800				
			599-281-32	2.800 - 3.200				
			599-281-36	3.200 - 3.600				
			599-281-40	3.600 - 4.000				
00882700	20218	4.000 - 8.000"	00882701	4.000 - 5.000	5.000, 7.000	6	8186	6550
			00882702	5.000 - 6.000				
			00882703	6.000 - 7.000				
			00882704	7.000 - 8.000				

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



No influence of temperature variation on the measurement with the INTRIMIK

According to DIN 863:
Accuracy = 4 µm

50% loss of accuracy



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DIGITAL CALIPERS BROWN & SHARPE TWIN-CAL IP67

- Highest IP67 prtection 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)	Thumb Roller	Depth Rod	Reg. Price (\$)	Promo Price (\$)
00590302	47236	Brown & Sharpe TWIN-CAL IP67	0 ÷ 6	A	•	199	149
00590303	47237	Brown & Sharpe TWIN-CAL IP67	0 ÷ 6	A	•	199	149
00590304	47238	Brown & Sharpe TWIN-CAL IP67	0 ÷ 8	A		276	199
00590305	47239	Brown & Sharpe TWIN-CAL IP67	0 ÷ 12	A	-	379	288

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)	Thumb Roller	Depth Rod	Reg. Price (\$)	Promo Price (\$)
00590092	47473	Brown & Sharpe TWIN-CAL	0 ÷ 6	A	•	143	95
00590093	47474	Brown & Sharpe TWIN-CAL	0 ÷ 6	A	•	143	95
00590094	47475	Brown & Sharpe TWIN-CAL	0 ÷ 8	A		196	139
00590095	47476	Brown & Sharpe TWIN-CAL	0 ÷ 12	A	•	276	189

 $\blacktriangle \ \, {\sf Calipers \, with \, thumb \, roller} \ \, \bullet \, {\sf Calipers \, with \, round \, depth \, rod} \ \, \blacksquare \, \, {\sf Calipers \, with \, square \, depth \, rod}$

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BROWN & SHARPE VALUELINE IP67

- Ideal for all workshop conditions
- The IP67 protection at the best price
- Without data output



Order Number	EDP Number	Description	Measuring Range (in)	Thumb Roller	Depth Rod	Reg. Price (\$)	Promo Price (\$)
00599390	45601	Brown & Sharpe VALUELINE IP67	0 ÷ 6	A	•	143	89
00599391	76599	Brown & Sharpe VALUELINE IP67	0 ÷ 6	A	•	143	89
00599392	45602	Brown & Sharpe VALUELINE IP67	0 ÷ 8	A	•	196	129
00599393	45603	Brown & Sharpe VALUELINE IP67	0 ÷ 12	A		276	179









PARALLEL SETS AND ADJUSTABLE PARALLELS

ULTRATHIN PARALLEL SET

Set of 10 pairs. Supplied in custom molded case.

- Made from high-grade alloy steel, hardened and ground from 1/32" stock with 2 holes in each parallel
- 10 pairs, 6" length, 1/32" width
- 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2", 1-5/8"

Order Number	EDP Number	Length	Accuracy	Hardness	Reg. Price (\$)	Promo Price (\$)
599-921-20	26884	1/32"W x 6"L	Parallelism: ±.0001" Paired in Height +.0001"	50HRC	220	185

ULTRA PRECISION PARALLEL SET

Set of 10 pairs. Supplied in custom molded case.

- Made from high-grade alloy steel, hardened and ground from 1/8" stock with 2 holes in each parallel
- 10 pairs, 6" length, 1/8" width
- 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2", 1-5/8"

Order Number	EDP Number	Length	Accuracy	Hardness	Reg. Price (\$)	Promo Price (\$)
599-921-10	86615	1/8"W x 6"L	Parallelism: ±.0002" Paired in Height +.0001"	58-63HRC	358	295

STEEL PARALLEL SET

Set of 9 pairs. Supplied in custom molded case.

- Made from high-grade alloy steel, hardened and ground from 1/4" stock with 2 holes in each parallel
- 9 pairs, 6" length, 1/4" width
- 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2", 1-5/8", 1-3/4"

Order Number	EDP Number	Length	Accuracy	Hardness	Reg. Price (\$)	Promo Price (\$)
599-921-4	26882	1/4"W x 6"L	Parallelism: ±.0002" Paired in Height +.0002"	52-58HRC	465	395

ADJUSTABLE PARALLEL SET

Used as parallels for checking, marking, or positioning work.

• Handy gages for measuring inside dimensions of recesses or slots, or for setting tools

Order Number	EDP Number	Range	No. of Parallels	Reg. Price (\$)	Promo Price (\$)
599-673-20	44516	3/8" to 2 1/4"	6	176	145







V-BLOCK S & CLAMP

599-749

- Made in numbered pairs from mild steel
- Surfaces (except V) are square and parallel within .002 in
- V-grooves are square and parallel with all surfaces within .0035 in

599-749-1

For larger, heavier work. Blocks feature two clamping grooves. Lower grooves permit blocks to be clamped to table.

- Made in numbered pairs from mild steel
- Surfaces (except V) are square and parallel within .003 in
- V-grooves are square and parallel with all surfaces within .002 in
- V-groove is 90° ± 1/2°
- V's of pairs are central and parallel to each other within .004 in

599-750-2

- Stepped groove construction
- Made of case hardened steel in numbered pairs
- Clamps within grooves permit use on sides
- V-groove is 90° +.0000 in/-.0003 in
- Corresponding dimensions for each pair are alike within .0003 in

PERMANENT MAGNETIC BLOCK

- Working surface and base are ground parallel
- Back end is square with working surface
- Removable stop plates provided for back end and one for use on either side
- Supplied in finished wooden case



Order Number	EDP Number	Description	Dimensions (in)	Capacity (in)	Reg. Price (\$)	Promo Price (\$)
599-749	44532	Two V-Blocks and one clamp	1.5 square x 2 long	1.5 dia.	242	195
599-749-1	44533	Two V-Blocks and one clamp	2.5 square x 3 long	.5 to 2.5 dia.	338	280
599-750-2	44535	Two V-Blocks and two clamps	2.5 long x 2.75 wide x 2 tall	2 dia.	625	520
599-760	44550	Permanent magnetic block	5.25 long x 2.4375 wide x 2.4375 tall		1073	880

\$880

LEVER-TYPE DIAL TEST INDICATORS

BESTEST - 5 SERIES

Easy-to-read, satin black, "jet-console" face BesTest® Indicators with high visibility orange hand. Each BesTest® Indicator set comes complete with one carbide tip contact point, .080" diameter; one 1/2" long x .250" diameter extension with dovetail; one contact point wrench; one durable molded case and certificate of accuracy and traceability.

- Continuous clockwise pointer rotation providing error-free reading
- High accuracy and very low measuring force of the jewelled movement with 7 rubies
- Durability thanks to its patented shockproof system; insensitive to magnetic fields



599-7032-5

Adjustable contact point

Order Number	EDP Number	Range	Smallest Marking	Dial Division	Point Dia.	Tip Length	Dia.	Reg. Price (\$)	Promo Price (\$)
599-7029-5	51732	.030"	0-15-0	.001"	1"	1/2"	.080"	179	143
599-7030-5	51733	.030"	0-15-0	.0005"	1"	1/2"	.080"	183	146
599-7031-5	51734	.030"	0-15-0	.0005"	1-1/2"	1/2"	.080"	204	163
599-7032-5	51737	.008"	0-4-0	.0001"	1"	1/2"	.080"	245	196
599-7033-5	51738	.008"	0-4-0	.00005"	1-1/2"	1/2"	.080"	258	206
599-7034-5	51735	.020"	0-10-0	.0005"	1"	1-7/16"	.080"	228	182
599-7035-5	51736	.020"	0-10-0	.0005"	1-1/2"	1-7/16"	.080"	248	198



Since 2001, the long metrology tradition of the Brown & Sharpe brand has been integrated under TESA Technology, the premier Swiss precision measuring instruments manufacturer. TESA is part of Hexagon Manufacturing Intelligence, the world's largest metrology product provider. TESA and Brown & Sharpe have solid roots in precision metrology and continue to lead the industry with innovative technologies. Our premium hand tools are the first choice for reliability, helping customers improve their quality control and increase their productivity.

For questions regarding service, special applications and gaging solutions we can help! Contact douglas.dion@hexagon.com / 401-886-2283.

Our Swiss team of experts can also assist you and can be reached at tesa.service@hexagon.com

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