



**HEXAGON**  
MANUFACTURING INTELLIGENCE



**TESA**  
TECHNOLOGY

 brown & sharpe

**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

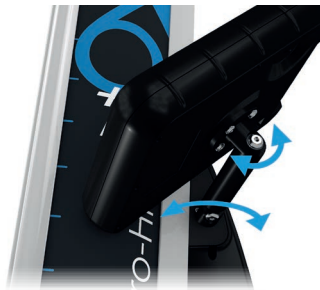
[HexagonMI.com](http://HexagonMI.com) | [TESAtechnology.com](http://TESAtechnology.com)



## TESA MICRO-HITE

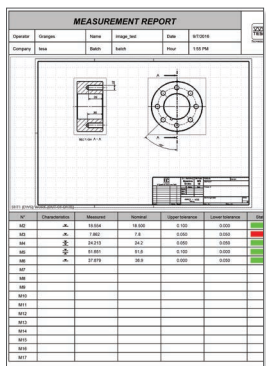
Motorized or manual – the ultimate reference

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



<http://go.hexagonmi.com/MICRO-HITEvideo>



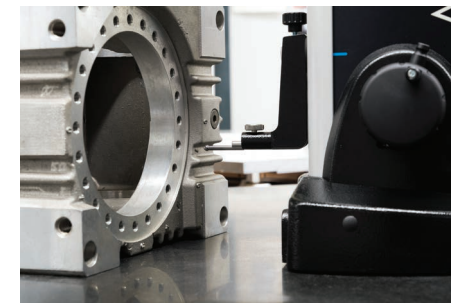
**NEW!**

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

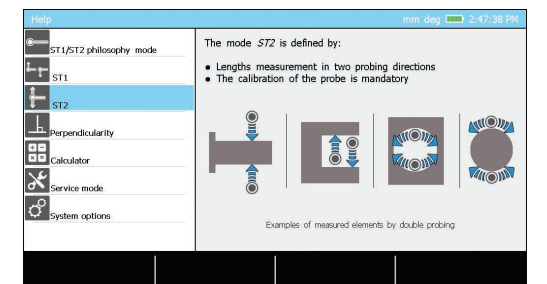
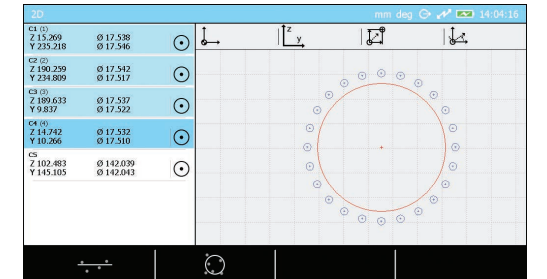


Warranty conditions on our website

Finally, easy 2D-measurement due to  
clear graphic visualization



Context-based help – intelligent user  
follow-up



**FREE**

**Free battery kit with purchase!**

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



00760252

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

Compatible with





## 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 (\$)
5710012	41420	.177 - .236	1798	<b>1150</b>
5710013	41421	.236 - .472	1299	<b>845</b>
5710014	41422	.472 - .984	722	<b>495</b>
5710015	41423	.984 - 1.97	778	<b>545</b>
5710016	41424	1.97 - 5.91	916	<b>640</b>
5710017	41425	9.44 - 21.7	2016	<b>1410</b>
5710018	41426	1.97 - 11.81	1268	<b>825</b>

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	<b>335</b>
01930258	46987	DIGICO 705 MI, 2.25 in dial diameter	0.5	0.00005		589	<b>395</b>

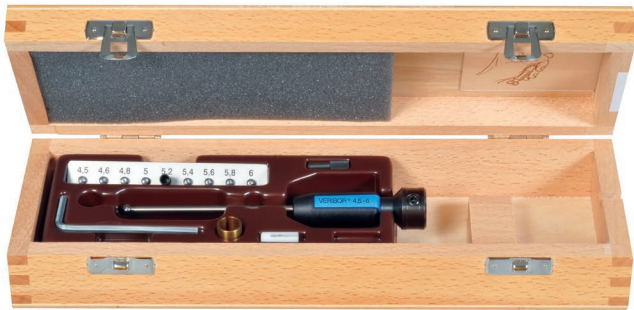


## TESA INDUCTIVE PROBES

- 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

Order Number	EDP Number	Description	Measuring Range (in)	Repeatability Limit (µm)	Measuring Force (N)	Maximum Permissible 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 <sup>3</sup> *	402	<b>322</b>
32.10924	41010	GT-22 probe with radial cable exit	± .040	0.01	0.63	0.2 + 3 · L <sup>3</sup> *	417	<b>334</b>

\* Note: Linearity related to max. perm. errors (L in mm).



5710012



## TESATRONIC ELECTRONIC DISPLAYS

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	<b>1270</b>
04430010	47179	TESATRONIC TT60	2	7	± 5 µm	± 5000 µm	0.1 µm	Yes	2228	<b>1780</b>
04430011	21088	TESATRONIC TT80	2	9	± 0.5 µm	± 5000 µm	0.01 µm	Yes	2676	<b>2140</b>

## 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	<b>1888</b>
Contains:				
04430013	45612	TESA TWIN-T10 display unit	1448	<b>1160</b>
32.10802	86188	GT 31 lever probe	908	<b>725</b>
16.39007	88386	Magnetic support INTERAPID UJ15	168	<b>134</b>
04430013P2		TESA µFinder Set 22	2027	<b>1555</b>
Contains:				
04430013	45612	TESA TWIN-T10 display unit	1448	<b>1160</b>
32.10924	41010	GT 22 probe	417	<b>334</b>
16.39007	88386	Magnetic support INTERAPID UJ15	168	<b>134</b>



04430013P1



04430013P2









## DIGITAL CALIPERS

### BROWN & SHARPE TWIN-CAL IP67

- Highest IP67 prtction 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	▲	●	199	<b>149</b>
00590303	47237	Brown & Sharpe TWIN-CAL IP67	0 ÷ 6	▲	■	199	<b>149</b>
00590304	47238	Brown & Sharpe TWIN-CAL IP67	0 ÷ 8	▲	■	276	<b>199</b>
00590305	47239	Brown & Sharpe TWIN-CAL IP67	0 ÷ 12	▲	■	379	<b>288</b>

### 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	▲	●	143	<b>95</b>
00590093	47474	Brown & Sharpe TWIN-CAL	0 ÷ 6	▲	■	143	<b>95</b>
00590094	47475	Brown & Sharpe TWIN-CAL	0 ÷ 8	▲	■	196	<b>139</b>
00590095	47476	Brown & Sharpe TWIN-CAL	0 ÷ 12	▲	■	276	<b>189</b>

▲ Calipers with thumb roller ● Calipers with round depth rod ■ Calipers with square depth rod

### 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	▲	■	143	<b>89</b>
00599391	76599	Brown & Sharpe VALUELINE IP67	0 ÷ 6	▲	●	143	<b>89</b>
00599392	45602	Brown & Sharpe VALUELINE IP67	0 ÷ 8	▲	■	196	<b>129</b>
00599393	45603	Brown & Sharpe VALUELINE IP67	0 ÷ 12	▲	■	276	<b>179</b>

▲ Calipers with thumb roller ● Calipers with round depth rod ■ Calipers with square depth rod





## PARALLEL SETS AND ADJUSTABLE PARALLELS

### ULTRA THIN 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	<b>185</b>



\$185

599-921-20

### 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	<b>295</b>



\$295

599-921-10

### 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	<b>395</b>



\$395

599-921-4

### 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	<b>145</b>



\$145

599-673-20

### 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



\$195

599-749

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



\$280

599-749-1

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



\$520

590-750-2

### 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



\$880

599-760

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	<b>195</b>
599-749-1	44533	Two V-Blocks and one clamp	2.5 square x 3 long	.5 to 2.5 dia.	338	<b>280</b>
599-750-2	44535	Two V-Blocks and two clamps	2.5 long x 2.75 wide x 2 tall	2 dia.	625	<b>520</b>
599-760	44550	Permanent magnetic block	5.25 long x 2.4375 wide x 2.4375 tall		1073	<b>880</b>

# 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



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	<b>143</b>
599-7030-5	51733	.030"	0-15-0	.0005"	1"	1/2"	.080"	183	<b>146</b>
599-7031-5	51734	.030"	0-15-0	.0005"	1-1/2"	1/2"	.080"	204	<b>163</b>
599-7032-5	51737	.008"	0-4-0	.0001"	1"	1/2"	.080"	245	<b>196</b>
599-7033-5	51738	.008"	0-4-0	.00005"	1-1/2"	1/2"	.080"	258	<b>206</b>
599-7034-5	51735	.020"	0-10-0	.0005"	1"	1-7/16"	.080"	228	<b>182</b>
599-7035-5	51736	.020"	0-10-0	.0005"	1-1/2"	1-7/16"	.080"	248	<b>198</b>



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](mailto: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](mailto:tesa.service@hexagon.com)

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