

# BEST DEALS

## 2019, 3<sup>RD</sup> EDITION

Version EN-US

Ph 866-945-5742  
sales@willrich.com



**TESA / Brown & Sharpe**  
Great deals on quality, high-accuracy measuring tools

Prices exclude VAT

Valid until  
12/31/2019

# HIGH PRECISION: ALL-ROUNDER



SCS certificate included



# NEW

For workshops



1D measurement



Manual displacements



400mm – 700mm



TLC



Included SCS certificate



Starting at  
**\$3,110**



00730084








## TESA-HITE RANGE

Order Number	EDP Number	Description	Maximum Permissible Errors (µm)*	Repeatability Limit (µm)	Air Cushion	Reg. Price	Promo Price
00730082	76843	TH MAGNA 400	8	Flat: ≤ 3, bore: ≤ 5	–	\$3,450	<b>\$3,110</b>
00730083	76844	TH MAGNA 700	8	Flat: ≤ 3, bore: ≤ 5	–	\$4,050	<b>\$3,650</b>
00730084	76845	TH 400	2.5 + 4 L/1000	Flat: ≤ 2, bore: ≤ 3	✓	\$4,950	<b>\$4,460</b>
00730085	76846	TH 700	2.5 + 4 L/1000	Flat: ≤ 2, bore: ≤ 3	✓	\$5,650	<b>\$5,090</b>

\* L in mm



-  For workshops and laboratories
-  1D & 2D measurement
-  Manual or motorized displacements
-  350mm – 600mm – 900mm
-  TLC, USB, printer, pdf
-  Included SCS certificate



SCS certificate included



After registration



Starting at  
**\$7,650**



QUICKCENTER  
technology






Flexible support

00730074



## MICRO-HITE RANGE

Order Number	EDP Number	Description	Maximum Permissible Errors (µm)*	Repeatability Limit (µm)	Fine Adjustment	Reg. Price	Promo Price
 00730073	76639	MH 350	2+2L/1000	Flat: ≤ 1, bore: ≤ 1	–	\$8,500	<b>\$7,650</b>
00730074	76640	MH 600	2+2L/1000	Flat: ≤ 1, bore: ≤ 1	–	\$9,000	<b>\$8,100</b>
00730075	76641	MH 900	2+2L/1000	Flat: ≤ 1, bore: ≤ 1	–	\$11,500	<b>\$10,350</b>
 00730076	76620	MH 350F	2+2L/1000	Flat: ≤ 1, bore: ≤ 1	✓	\$8,900	<b>\$8,010</b>
00730077	76621	MH 600F	2+2L/1000	Flat: ≤ 1, bore: ≤ 1	✓	\$9,500	<b>\$8,550</b>
00730078	76623	MH 900F	2+2L/1000	Flat: ≤ 1, bore: ≤ 1	✓	\$11,900	<b>\$10,710</b>
 00730079	76624	MH +M 350	1.8+2L/1000	Flat: ≤ 0.5, bore: ≤ 1	–	\$8,900	<b>\$8,010</b>
00730080	76625	MH +M 600	1.8+2L/1000	Flat: ≤ 0.5, bore: ≤ 1	–	\$9,500	<b>\$8,550</b>
00730081	76626	MH +M 900	1.8+2L/1000	Flat: ≤ 0.5, bore: ≤ 1	–	\$11,900	<b>\$10,710</b>

\* L in mm

# SEARCHING THE $\mu\text{m}$

## TESA $\mu$ -HITE

The ultra compact turnkey solution for the product line

Need a "turnkey solution"?

With its application range of 100 mm, this measuring station for workshops and laboratories is particularly suitable for measuring small parts.

Installed quickly, its high accuracy ( $1 \mu\text{m}$ ) not only matches the most powerful height gauges, but also 1D probes, which are often expensive to install and less flexible in terms of application.

**HIGH ACCURACY**



00730503

## TESA $\mu$ -HITE RETROFIT KIT

Do you already have a TESA  $\mu$ -HITE measuring station?

You can now benefit from the many new features!

With this special retrofit kit, you can easily improve the performance of your instrument.

It makes most of the multiple functions embedded in the MICRO-HITE height gauge range accessible and allows you to simplify and accelerate your measurement processes and manage your data more efficiently.



00730504

Order Number	EDP Number	Description	Maximum Permissible Errors ( $\mu\text{m}$ )	Repeatability Limit ( $\mu\text{m}$ )	Reg. Price	Promo Price
00730503	76648	TESA $\mu$ -HITE	Axial: 1 - offset: 2	Axial: 0.5 - offset: 1	\$5,450	<b>\$4,910</b>
00730504	76649	TESA $\mu$ -HITE retrofit kit			\$1,830	<b>\$1,650</b>



# INTERNAL & EXTERNAL MEASUREMENT

## 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	▲	■	\$154.80	<b>\$116</b>
00599391	76599	Brown & Sharpe VALUELINE IP67	0 - 6	▲	●	\$154.80	<b>\$116</b>
00599392	45602	Brown & Sharpe VALUELINE IP67	0 - 8	▲	■	\$222	<b>\$167</b>

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

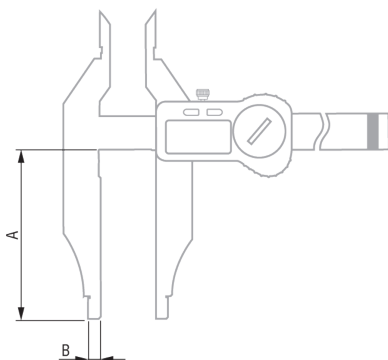
## TWIN-CAL IP67 CALIPERS

### WITH ROUNDED MEASURING FACES FOR INTERNAL DIMENSIONS

These TWIN-CAL IP67 models feature the same wireless capabilities as other TWIN-CAL models. IP67 protection makes them equally durable as well.



Order Number	EDP Number	Range (in/mm)	A (in/mm)	B (in/mm)	Reg. Price	Promo Price
00530421	45640	8/200	.20/5	3.15/80	\$456	<b>\$388</b>
00530422	45641	10/250	.20/5	3.15/80	\$492	<b>\$418</b>
00530423	45642	12/300	.20/5	3.15/80	\$512	<b>\$435</b>
00530424	45613	20/500	.40/10	6/150	\$853	<b>\$725</b>
00530425	45614	24/600	.40/10	6/150	\$1,055	<b>\$897</b>
00530426	45615	32/800	.40/10	6/150	\$1,319	<b>\$1,121</b>
00530427	45616	39/1000	.40/10	6/150	\$1,645	<b>\$1,398</b>



# EXTERNAL MICROMETERS

## BROWN & SHARPE ENAMEL FRAME MICROMETERS

- Thimble with friction drive for one-hand use
- Deactivate the friction drive by reversing the sleeve
- Black enamel frame



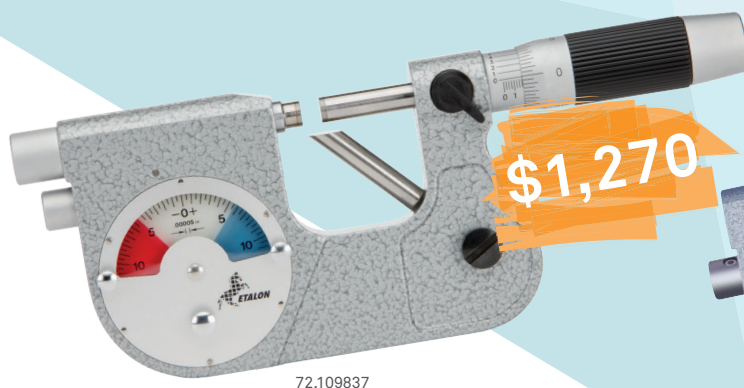
Order Number	EDP Number	Description	Reg. Price	Promo Price
00180070	76832	0-1 in, Straight Lines	\$132	<b>\$106</b>
00180071	76833	1-2 in, Straight Lines	\$144	<b>\$115</b>
00180072	76834	2-3 in, Straight Lines	\$150	<b>\$120</b>
00180073	76835	3-4 in, Straight Lines	\$156	<b>\$125</b>
00180077	76839	0-3 in Set, Without Standards	\$478.80	<b>\$383</b>
00180078	76840	0-3 in Set, With Standards	\$574.80	<b>\$460</b>
00180079	76841	0-4 in Set, Without Standards	\$618	<b>\$494</b>
00180080	76842	0-4 in Set, With Standards	\$762	<b>\$610</b>



## 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
72.109835	86147	0-1	Standard inserts	\$1,619	<b>\$1,375</b>
72.109837	41588	0-1	Standard inserts	\$1,496	<b>\$1,270</b>
72.109841	41589	1-2	Standard inserts	\$1,698	<b>\$1,445</b>
72.109843	41590	1-2	Standard inserts	\$1,573	<b>\$1,335</b>
72.109857	41591	0-0.800	Pointed inserts	\$1,622	<b>\$1,380</b>



# INTERNAL MICROMETERS

## 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.
- Sets include tools, setting rings and extensions



### INDIVIDUAL UNITS

Order Number	EDP Number	Measuring Range (in)	Reg. Price	Promo Price
599-281-3	43972	.275 - .350	\$588	<b>\$500</b>
599-281-4	43974	.350 - .425	\$590	<b>\$502</b>
599-281-5	43976	.425 - .500	\$596	<b>\$507</b>
599-281-6	43978	.500 - .600	\$604	<b>\$513</b>
599-281-7	43980	.600 - .700	\$608	<b>\$517</b>
599-281-8	43982	.700 - .800	\$623	<b>\$530</b>
599-281-10	43984	.800 - 1.0	\$666	<b>\$566</b>
599-281-12	43986	1.0 - 1.2	\$674	<b>\$573</b>
599-281-14	43988	1.2 - 1.4	\$683	<b>\$581</b>
599-281-16	43990	1.4 - 1.6	\$694	<b>\$590</b>
599-281-20	43992	1.6 - 2.0	\$788	<b>\$670</b>
599-281-24	43994	2.0 - 2.4	\$799	<b>\$679</b>
599-281-28	43996	2.4 - 2.8	\$815	<b>\$693</b>
599-281-32	43998	2.8 - 3.2	\$836	<b>\$711</b>
599-281-36	44000	3.2 - 3.6	\$851	<b>\$723</b>
599-281-40	44002	3.6 - 4.0	\$864	<b>\$734</b>



599-281-32

### COMPLETE SETS

Order Number	EDP Number	Full Range of Set (in)	Rings in Set (in)	Extension (in)	Reg. Price	Promo Price
00880100	20214	.275 - .500	.350, .425	4	\$2,136	<b>\$1,815</b>
00880400	20215	.500 - .800	.500, .700	6	\$2,265	<b>\$1,925</b>
00881200	20216	.800 - 1.600	1.000, 1.400	6	\$3,244	<b>\$2,755</b>
00881900	20217	1.600 - 4.000	2.000, 2.800, 3.600	6	\$6,554	<b>\$5,570</b>
00882700	20218	4.000 - 8.000	5.000, 7.000	6	\$8,686	<b>\$7,385</b>



00881900

### THE ABBE'S PRINCIPLE

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

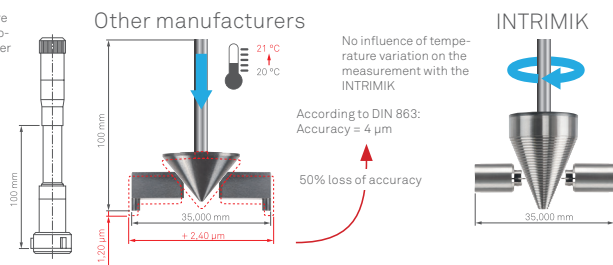
Ernest Abbe formulated the following principle:

"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

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





# INCLINATION MEASUREMENT



## TESA CLINOBEVEL 3 INCLINOMETER

**±60°**

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

Order Number	Description	Measuring Range (deg)	Resolution (mm/m)	Weight (kg)	Reg. Price	Promo Price
05330210	TESA CLINOBEVEL 3 60 DEG IRON	± 60°	0.025	3.45	\$4,848	<b>\$4,365</b>
05330211	TESA CLINOBEVEL 3 60 DEG ALU	± 60°	0.025	1.5	\$4,848	<b>\$4,365</b>
05330212	TESA CLINOBEVEL 3 10 DEG IRON	± 10°	0.010	3.45	\$4,848	<b>\$4,365</b>
05330213	TESA CLINOBEVEL 3 10 DEG ALU	± 10°	0.010	1.5	\$4,848	<b>\$4,365</b>
05330214	TESA CLINOBEVEL 3 1 DEG IRON	± 1°	0.005	3.45	\$9,928	<b>\$8,935</b>

Download the product info



CAST IRON MODEL, RUST PROTECTED

ALUMINUM MODEL, BLACK ANODIZED



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