

# Multimar. Universal Gage 844 T for external and internal dimensions

## OVERVIEW

The Universal Gage **Multimar** 844 T is easy to use and versatile; ideal for all your measuring requirements in dimensional metrology.

## Applications

- For measuring:
  - External and internal dimensions
  - External and internal threads
  - Centering shoulders, narrow collars, recesses and grooves
  - External and internal tapers, external and internal tooth profiles/gears, etc.



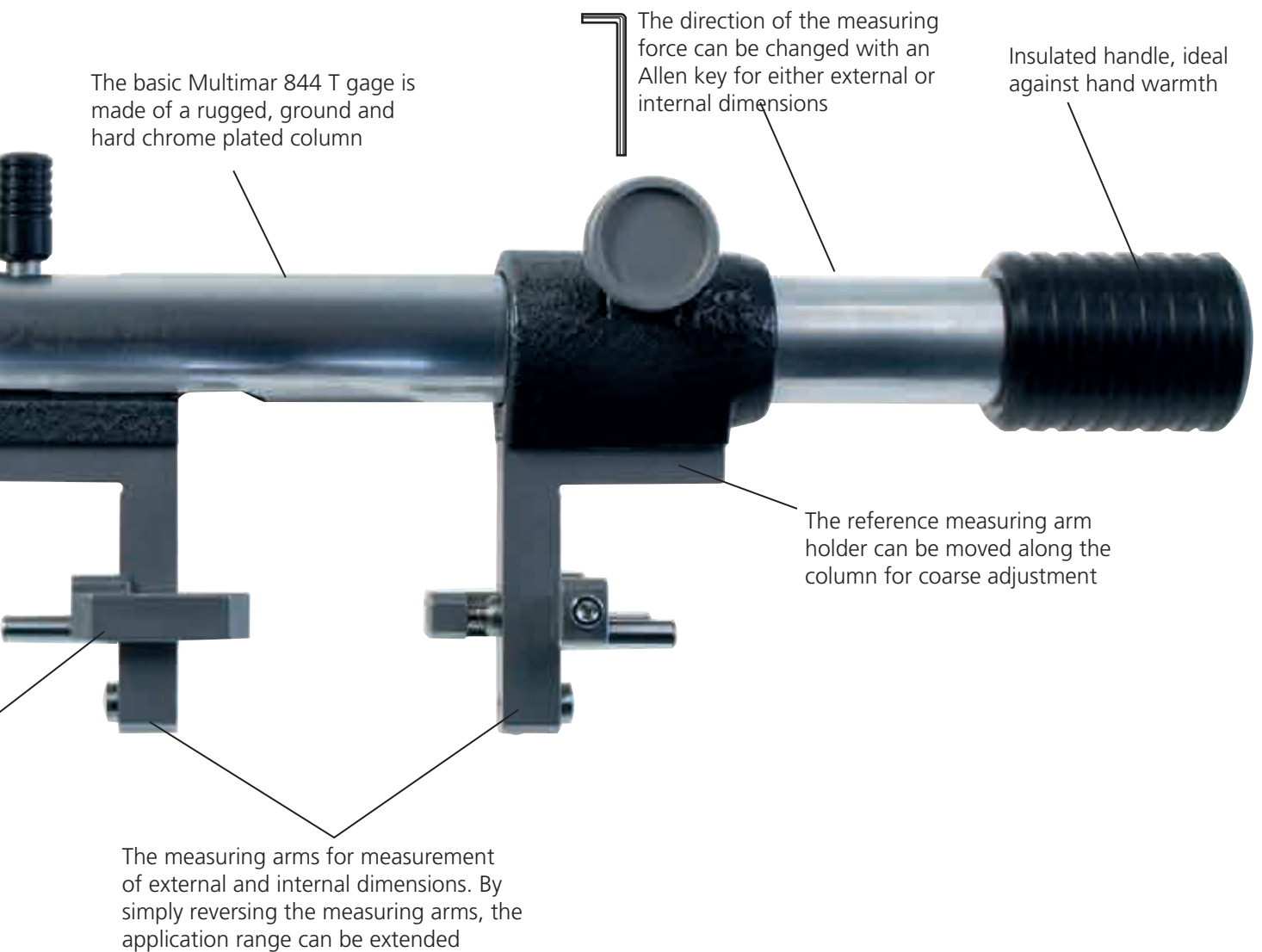
Constant measuring force due to built-in measuring force spring

All indicating instruments with an 8 mm mounting shank are applicable



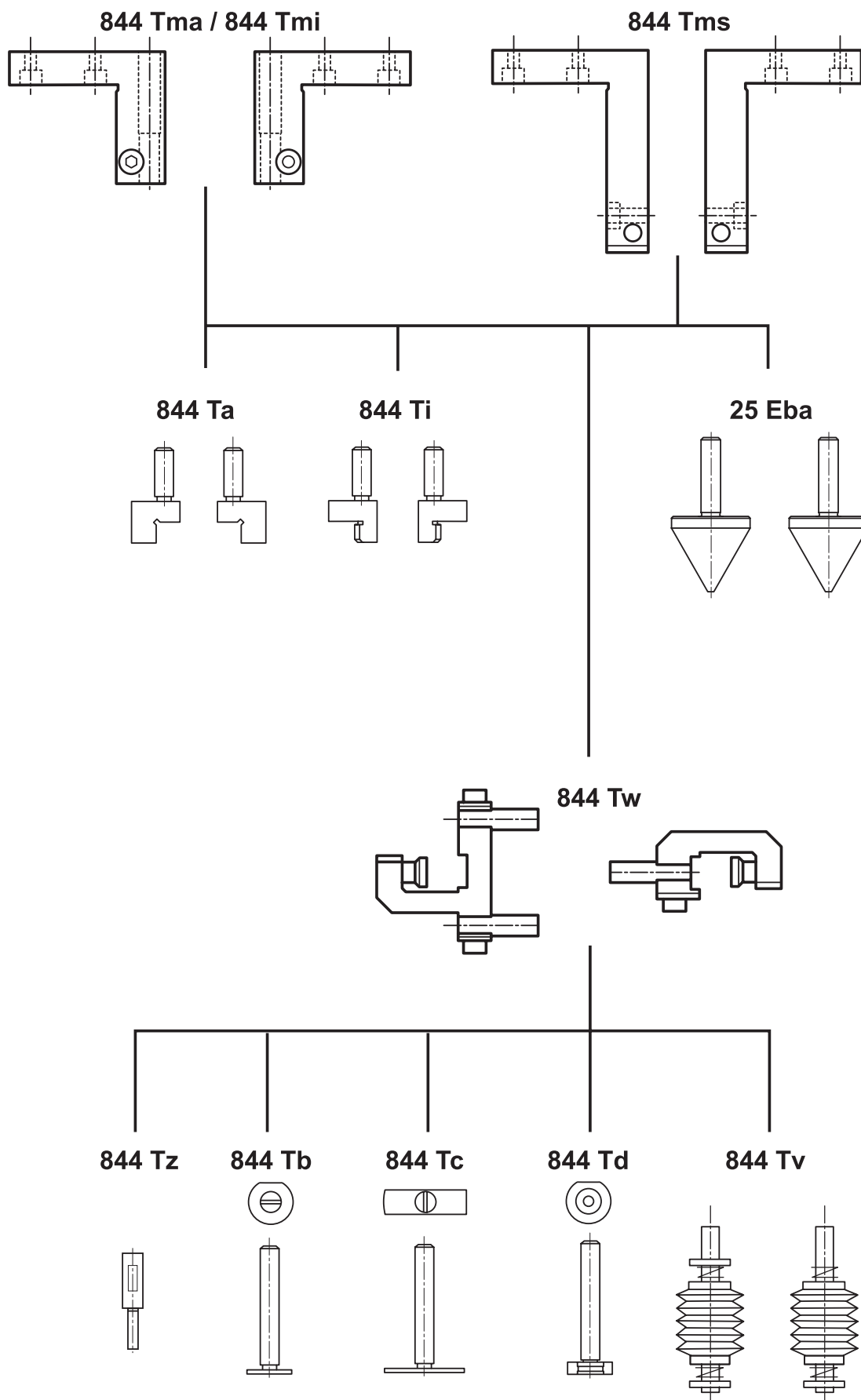
The movable measuring arm holder is mounted on a high precision ball guide to eliminate both play and friction; it also has extreme measuring sensitivity and accuracy due to optimal stability and ease of movement

Stop with non-tilting 3-point support for adjusting the measuring depth

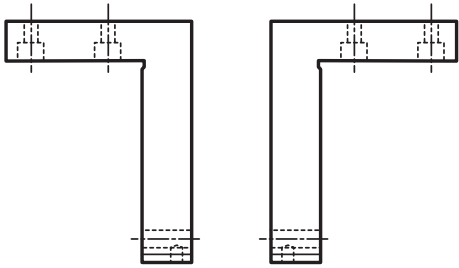


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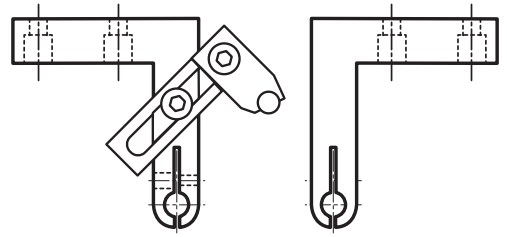
# Universal Measuring Instrument Multimar 844 T



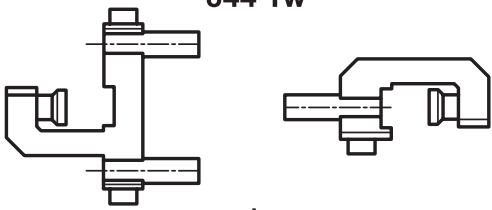
844 Te



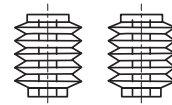
844 Ty



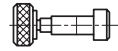
844 Tw



706 Vr



844 Tad



844 Tp



901 H



906 H



844 Ts



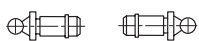
902 H



907



844 Tk



903 H



908



844 Tr



904 H



911 H



844 Tg



912



# Universal Measuring Instrument Multimar 844 T



## Application:

- External and internal dimensions
- External and internal threads
- Centering shoulders, narrow collars, recesses and grooves
- External and internal tapers, external and internal tooth profiles / gears, etc.

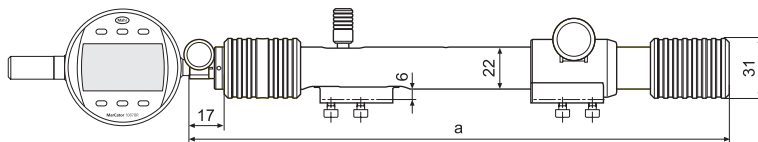


- Interchangeable measuring arms, contact blocks and stop elements (optional accessories) for easy adaptation to individual measuring tasks
- The movable measuring arm carrier is mounted on a high precision ball bearing guide for reduced play and friction
- Results in high measuring sensitivity, accuracy and free movement
- Stable support elements for repeatable measurements
- Constant measuring force with integrated measuring force spring
- Reversible measuring force direction for outside and inside measurement
- Highly stable, precision ground, hard chrome plated guide tube
- Lightweight construction with core made from carbon fiber reinforced plastic (CRP) tube, for measuring range 1000–1500 mm
- The stationary measuring arm holder can be moved along the guide tube and clamped for coarse adjustment
- **Scope of delivery:** Instruction manual, Mounting and resting manual, Wooden case, excludes indicator, without arms/attachments and anvils

## Technical Data

Order no.	4503001	4503002	4503003	4503004	4503005	4503006	4503007	
Product type	844 T							
Application range outside	mm	0 – 85	80 – 235	230 – 585	580 – 985	970 – 1470	1470 – 1970	1970 – 2470
Application range inside	mm	30 – 115	110 – 265	260 – 615	610 – 1015	1000 – 1500	1500 – 2000	2000 – 2500
Measuring force	N	5			10			
Probe path	mm	12						
Product weight	kg	0.78	1.01	1.59	2.22	2.52	2.68	2.86

Order no.	a
	mm
4503001	280
4503002	430
4503003	740
4503004	1140
4503005	1680
4503006	2180
4503007	2680



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# Universal Measuring Instrument Multimar 844 T

## Accessories

Order no.	Product name	Quantity unit	Product type
4311000	Precision Dial Indicator, 0.01 mm, 10 mm		810 S
4333000	Millimes 5 $\mu\text{m}$ , $\pm 130 \mu\text{m}$		1004
4332000	Millimes 0.01 mm, $\pm 0.25 \text{ mm}$		1010
4337662	Digital Indicator, 0.0005 mm, 12.5 mm		1087 BR
4337664	Digital Indicator, 0.0005 mm, 12.5 mm		1087 BRi
4503030	Mounting attachments	Pair	844 Tma
4503031	Mounting attachments	Pair	844 Tmi
4503024	Measuring Arms, 25 mm	Pair	844 Te
4503025	Measuring Arms, 35 mm	Pair	844 Te
4503026	Measuring Arms, 70 mm	Pair	844 Te
4503027	Measuring Arms, 100 mm	Pair	844 Te
4503040	Mounting attachments with 90° offset	Pair	844 Tms
4503041	Mounting attachments with 90° offset	Pair	844 Tms
4503109	Depth stops for 844 Tma, 844 Tmi, 844 Te	Pair	844 Tw
4503012	Protection for indicator		844 Tsb
4503020	Case for accessories		844 Tzb
4450512	Stand		844 Tf



810 S



1004



1087 BR



1087 BRi



844 Tma



844 Tw

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