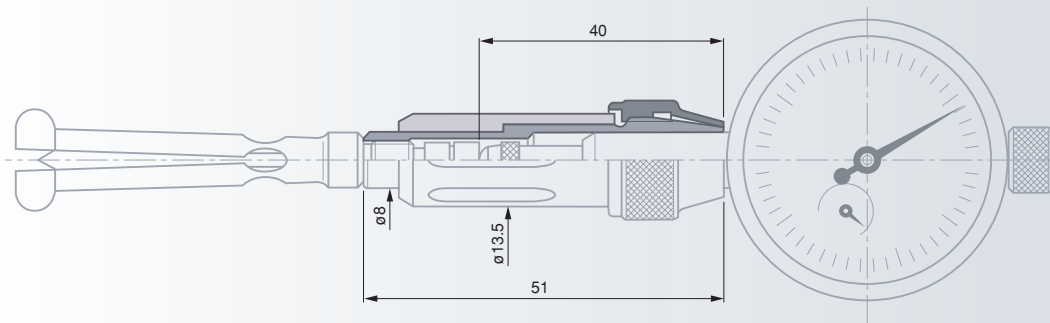
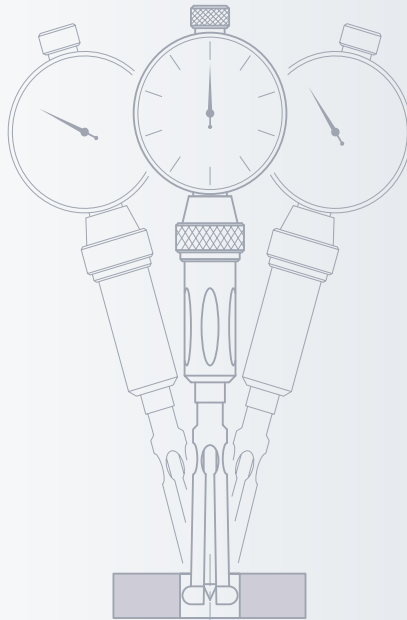


TESA YA Bore Gauges

Specially designed for small bores from 0,47 up to 12,20 mm – Check bore sizes as well as form and shape errors through 2-point measurements – Excellent repeatability.

These bore gauges have an interchangeable measuring head housing a needle as well as a clamping shank with a 8 mm diameter fixing bore for a dial gauge or any other sensor.

- Probing heads with spherical faces for through bores.
- Probing heads with faces forming a rounded edge on their front face. Used to check blind bores or short centring shoulder.
- Probing heads for deeper bores.



Handgrip



With mount for shop tools with a 8 h6 dia. clamping shank

Measuring heads



See tables



See tables



Dull-chrome plated steel, hardened to ≈ 1000 HV 25

Measuring needles



See tables



Steel hardened to ≈ 800 HV 25

Setting rings



Nominal diameter $\leq 1,5$ mm: with inserted ring in synthetic sapphire,
 $> 1,5$ mm: steel, hardened to ≈ 780 HV 25



Reliability of the engraved size: $\pm 2s = 1 \mu\text{m}$



1 μm

Complete Sets for Through Holes Measurement



Technical data: see page G-6



Complete set includes: 1 handle

No. 01540201.

Measuring heads, needles and setting rings as shown in the table below.

1 TESA YR dial gauge No. 01410212 (reading to 0,01 mm, 40 mm dial dia.).
1 Extension for a 10 mm measuring insert with order No. 03540501.



Suited plastic case



Declaration of conformity



No



mm

01510000	0,47 ÷ 0,97
01510100	0,95 ÷ 2,45
01510200	2,30 ÷ 6,20
01510300	6,00 ÷ 12,20

Single Components for Through Holes Measurement

No



mm



Measuring depth
max. mm min. mm

No

No



mm

Measuring heads

Needles

Setting rings

01540401	0,47 ÷ 0,53	1,5	0,25	01540001	01540601	0,50
01540402	0,52 ÷ 0,58	1,8	0,27	01540001	01540602	0,55
01540403	0,57 ÷ 0,67	2,0	0,29	01540002	01540603	0,60
01540404	0,65 ÷ 0,77	2,5	0,31	01540002	01540604	0,70
01540405	0,75 ÷ 0,87	2,8	0,33	01540002	01540605	0,80
01540406	0,85 ÷ 0,97	3,0	0,35	01540002	01540606	0,90
01540407	0,95 ÷ 1,15	11	0,6	01540003	01540607	1,00
01540408	1,07 ÷ 1,25	11	0,6	01540003	01540608	1,10
01540409	1,17 ÷ 1,35	11	0,6	01540003	01540609	1,20
01540410	1,27 ÷ 1,45	11	0,6	01540003	01540610	1,30
01540411	1,37 ÷ 1,55	11	0,6	01540003	01540611	1,40
					01540612	1,50
01540412	1,50 ÷ 1,90	17	0,9	01540004	01540613	1,7
01540413	1,70 ÷ 2,15	17	0,9	01540004	01540614	2,00
01540414	2,05 ÷ 2,45	17	0,9	01540004	01540615	2,25
01540415	2,30 ÷ 2,75	22	1,2	01540005	01540616	2,50
01540416	2,65 ÷ 3,20	22	1,2	01540005	01540617	3,00
01540417	3,05 ÷ 3,50	22	1,2	01540005	01540618	3,25
01540418	3,35 ÷ 3,85	22	1,2	01540005	01540619	3,50
01540419	3,80 ÷ 4,30	22	1,2	01540005	01540620	4,00
01540420	4,20 ÷ 5,00	40	2,0	01540006	01540621	4,50
01540421	4,70 ÷ 5,50	40	2,0	01540006	01540622	5,00
01540422	5,30 ÷ 6,20	40	2,0	01540006	01540623	5,75
01540423	6,00 ÷ 6,80	40	2,0	01540006	01540624	6,50
01540424	6,60 ÷ 7,50	40	2,0	01540006	01540625	7,00
01540425	7,30 ÷ 8,15	40	2,0	01540006	01540626	7,75
01540426	8,00 ÷ 8,80	40	2,0	01540006	01540627	8,50
01540427	8,50 ÷ 9,40	50	2,0	01540006	01540628	9,00
01540428	9,15 ÷ 10,00	50	2,0	01540006	01540629	9,50
01540429	9,60 ÷ 10,80	50	3,3	01540007	01540630	10,00
01540430	10,65 ÷ 12,20	50	3,3	01540007	01540631	11,50



Complete Sets for Measuring Blind Bores and Short Centring Shoulders



01510400	1,50 ÷ 2,45
01510500	2,30 ÷ 6,20
01510600	6,00 ÷ 12,20



Technical data: see page G-6

Complete set includes: 1 handle

No. 01540201.
Measuring heads, needles and setting rings as shown in the table below.
1 TESA YR dial gauge No. 01410212 (reading to 0,01 mm, 40 mm dial dia.).
1 Extension for a 10 mm measuring insert with order No. 03540501.



Suited plastic case



Declaration of conformity

Single Components for Measuring Blind Bores and Short Centring Shoulders



Measuring heads	mm		Measuring depth		Needles	Setting rings	mm
	max. mm	min. mm	max. mm	min. mm			
01540501	1,50 ÷ 1,90	17	0,3		01540009	01540613	1,75
01540502	1,70 ÷ 2,15	17	0,3		01540009	01540614	2,00
01540503	2,05 ÷ 2,45	17	0,3		01540009	01540615	2,25
01540504	2,30 ÷ 2,75	22	0,3		01540010	01540616	2,50
01540505	2,65 ÷ 3,20	22	0,3		01540010	01540617	3,00
01540506	3,05 ÷ 3,50	22	0,3		01540010	01540618	3,25
01540507	3,35 ÷ 3,85	22	0,2		01540010	01540619	3,50
01540508	3,80 ÷ 4,30	22	0,2		01540010	01540620	4,00
01540509	4,20 ÷ 5,00	40	0,5		01540011	01540621	4,50
01540510	4,70 ÷ 5,50	40	0,5		01540011	01540622	5,00
01540511	5,30 ÷ 6,20	40	0,5		01540011	01540623	5,75
01540512	6,00 ÷ 6,80	40	0,5		01540011	01540624	6,50
01540513	6,60 ÷ 7,50	40	0,5		01540011	01540625	7,00
01540514	7,30 ÷ 8,15	40	0,5		01540011	01540626	7,75
01540515	8,00 ÷ 8,80	40	0,5		01540011	01540627	8,50
01540516	8,50 ÷ 9,40	50	0,5		01540011	01540628	9,00
01540517	9,15 ÷ 10,00	50	0,5		01540011	01540629	9,50
01540518	9,60 ÷ 10,80	50	1,0		01540012	01540630	10,00
01540519	10,65 ÷ 12,20	50	1,0		01540012	01540631	11,50



Technical data: see page G-6

Complete set includes: 1 handle

No. 01540201.
Measuring heads, needles and setting rings as shown in the table page G-9.
One depth extension, 64 mm long, No. 01540101.
1 TESA YR dial gauge No. 01410212 (reading to 0,01 mm, 40 mm dial dia.).
1 Extension for a 10 mm dia. measuring insert with order No. 03540501.



Suited plastic case



Declaration of conformity

Complete Set for Measuring Deeper Bores



01510700	4,25 ÷ 8,50
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Technical data : see page G-6



Complete set includes: 1 handle

No. 01540201.
Measuring heads, needles and setting rings as shown in the table below.
1 TESA YR dial gauge No. 01410212 (reading to 0,01 mm, 40 mm dial dia.).
1 Extension for a 10 mm measuring insert with order No. 03540501.



Suited plastic case



Declaration of conformity

Single Components for Deeper Bores

No	mm	Measuring depth		No	No	mm
		max. mm	min. mm			
<i>Measuring heads</i>			<i>Needles</i>		<i>Setting rings</i>	
01540431	4,22 ÷ 4,75	95*	1,7	01540008	01540621	4,50
01540432	4,73 ÷ 5,38	95*	1,7	01540008	01540622	5,00
01540433	5,36 ÷ 6,02	95*	1,7	01540008	01540623	5,75
01540434	6,00 ÷ 6,65	95*	1,7	01540008	01540701	6,50
01540435	6,63 ÷ 7,29	95*	1,7	01540008	01540702	7,00
01540436	7,27 ÷ 7,92	95*	1,7	01540008	01540703	7,75
01540437	7,90 ÷ 8,56	95*	1,7	01540008	01540704	8,50

* Require the use of the 64 mm long depth extension (N° 01540101).

Special Executions

Available upon request:

- Measuring heads with tungsten carbide tipped measuring faces.
- Measuring heads for uncommon inspection job.
- Measuring heads for through holes and deeper bores covering other application ranges.
- Tungsten carbide measuring needles.
- 125, 250, 500, 750 and 1000 mm depth extensions.



Optional Accessories for TESA YA Bore Gauges

Measuring stand for stationary use.



Technical data: see page H-8



Declaration of conformity



01639009 INTERAPID UA 30 measuring stand

Must be equipped with:

01610201 UK 25 sliding arm

01640000 UAZ 10 depth stop

