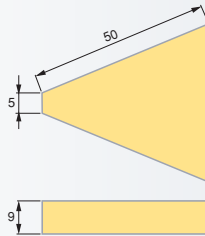


TESA Angle Gauge Blocks

These gauge blocks are used to set and calibrate angles, tapers, clinometers, rotary scales, dividing heads, rotary tables etc.

Angle Gauge Blocks with a 9 x 50 mm Measuring Face

Each set of 15, 16 or 27 angle gauges allows a number of up to 32400 combinations, ranging from 0° to 90° in steps of 10”.



0651570102	TESA angle gauge block A27, 27-piece set
0651570103	TESA angle gauge block A16, 16-piece set
0651570104	TESA angle gauge block A15, 15-piece set
0651570105	TESA angle gauge block A13, 13-piece set
0651570106	TESA angle gauge block A06, 6-piece set



Highly alloyed steel, stable and wear resistant.
Hardness to ≥ 800 HV.



$(11,5 \pm 1,0) \times 10^{-6} K^{-1}$



$\pm 2''$



Grade 2:
ISO 3650



Available in sets or individually



Wooden case



Identification number



UKAS calibration certificate

Each set of TESA angle gauge blocks includes

No	9 x 50 mm	ISO 3650	Wooden case	A27	A16	A15	A13	A06
0651570145	Angle gauge block	10''		•	•	•		
0651570146	Angle gauge block	30''		•	•	•		
0651570147	Angle gauge block	1'		•		•		
0651570148	Angle gauge block	2'		•	•	•		
0651570149	Angle gauge block	3'		•	•	•		
0651570150	Angle gauge block	4'		•				
0651570151	Angle gauge block	5'		•	•			
0651570152	Angle gauge block	10'		•	•	•		
0651570153	Angle gauge block	20'		•	•			
0651570154	Angle gauge block	30'		•	•	•		
0651570155	Angle gauge block	40'		•				
0651570156	Angle gauge block	50'		•				
0651570157	Angle gauge block	1°		•	•	•	•	•
0651570158	Angle gauge block	2°		•		•	•	
0651570159	Angle gauge block	3°		•	•	•	•	•
0651570160	Angle gauge block	4°		•			•	
0651570161	Angle gauge block	5°		•	•		•	•
0651570162	Angle gauge block	10°		•		•	•	
0651570163	Angle gauge block	15°			•			•
0651570164	Angle gauge block	20°		•			•	
0651570165	Angle gauge block	30°		•	•	•	•	•
0651570166	Angle gauge block	40°		•			•	
0651570167	Angle gauge block	45°			•			•
0651570168	Angle gauge block	50°		•			•	
0651570169	Angle gauge block	60°		•		•	•	
0651570170	Angle gauge block	70°		•			•	
0651570171	Angle gauge block	80°		•			•	
0651570172	Jaws with 2 parallel measuring faces Section 9 x 20 mm, length 125 mm			•	•	•		
0651570173	Straight edge, L = 50 mm			•	•	•		

Angle Gauge Blocks as per NPL MOY/SMI/18

Used for combinations from 0° to 81° in steps of 3" (Set A) or 6" (Set B).

For any combination from 81° to 90°, the use of an additional 9° angle gauge (No. 0651570140) is required. For angles over 90°, the precision square No. 0651570143 is used.



Highly alloyed steel, stable and wear resistant.
Hardness to ≥ 800 HV.

$(11,5 \pm 1,0) \times 10^{-6} \text{ K}^{-1}$

$\pm 2''$

0,2 μm

Lateral measuring face:
2 μm

Available in sets or individually

Wooden case

Identification number

UKAS calibration certificate

No

=

0651570100 TESA angle gauge block A, 15-piece set

0651570101 TESA angle gauge block B, 14-piece set

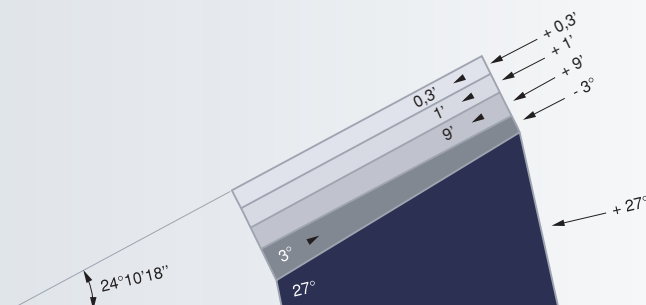
Each set of TESA angle gauges includes:

No

=

A B

0651570130	Angle gauge block	0,05'	●	
0651570131	Angle gauge block	0,1'	●	●
0651570132	Angle gauge block	0,3'	●	●
0651570133	Angle gauge block	0,5'	●	●
0651570134	Angle gauge block	1'	●	●
0651570135	Angle gauge block	3'	●	●
0651570136	Angle gauge block	9'	●	●
0651570137	Angle gauge block	27'	●	●
0651570138	Angle gauge block	1°	●	●
0651570139	Angle gauge block	3°	●	●
0651570140	Angle gauge block	9°	●	●
0651570141	Angle gauge block	27°	●	●
0651570142	Angle gauge block	41°	●	●
0651570143	Angle gauge block	4 x 90°	●	●
0651570144	Straight edge		●	●

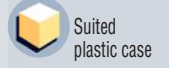


Brown & Sharpe Angle Gauges

For setting and calibration purposes – Smallest step to 15' (1/4°).



Width:
6,35 mm (1/4 in)
Length:
≥ 76,2 mm (3 in)



Set composition

06769002	1 Set = 12 precision squares	15'	30'	1°	2°	3°	4°
		5°	10°	15°	20°	25°	30°





Special steel, hardened

$(11,5 \pm 1,0) \times 10^{-6} \text{ K}^{-1}$

Max. perm. deviation from the nominal size: 20 μm or 0.0008 in.
Uniformity of size within a set of three balls having the same nominal size: 1 μm or 0.00004 in

$\pm 0,5 \mu\text{m}$ or ± 0.00002 in

Full set or set including three balls of same nominal size

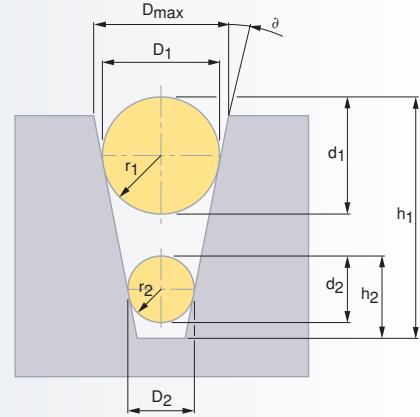
Wooden case

UKAS calibration certificate

Steel Balls

Steel balls are used to measure internal tapers and the like.

TESA Steel Balls



mm		mm	Step mm	Nbr of pieces/ Nominal size	Total pieces
0651500950	Steel ball set	1 ÷ 25	1	3	75
0651500951	Steel ball set	1,5 ÷ 12,5	1	3	36
in		in	Step in	Nbr of pieces/ Nominal size	Total Pieces
0652500950	Steel ball set	$1/16 \div 1/2$	$1/32$	3	45
On request	3-piece steel ball set				



Special steel, hardened

3 μm

Not available individually

Plastic case

Brown & Sharpe Steel Balls



mm		mm	Step mm	Nbr of pieces/ Nominal size	Total pieces
06769009	Steel ball set	1 ÷ 25	1	2	50

