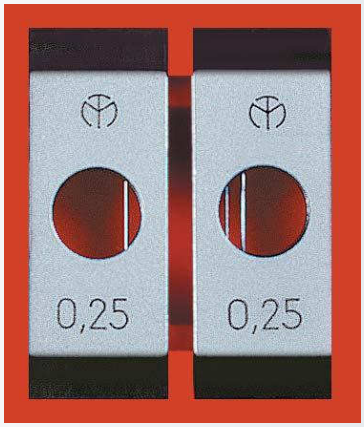
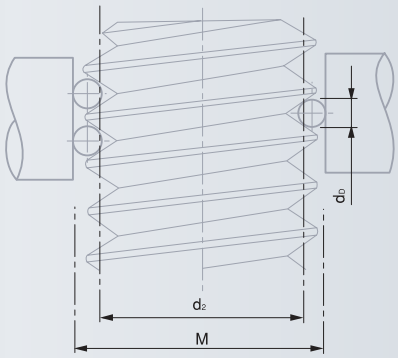
XB Wires for Screw Threads

For measuring pitch diameter of threads using the three-wire method. Actual flank diameter d_2 can either be determined arithmetically or with the aid of the relevant tables based on the measured actual size M – Suitable for all standard micrometers with a measuring insert having a 6.5 mm diameter.





- Steel wires, hardened
- Wires are mounted on holders: 2-wire holder rests on anvil while the single wire holder is used on spindle side
- Single pairs are supplied in a plastic box, full set in a wooden case
- Declaration of conformity

No	Wires diameter	ISO metric threads	Whitworth threads	Unified inch-threads UN. UNC. UNF ...
	d_D mm	Pitch in mm	Number of threads per in	Number of threads per in
00240701	0.17	0.25/0.3	–	–
00240702	0.22	0.35	–	*72*
00240703	0.25	0.4	*60*	*64*
00240704	0.29	0.45/0.5	–	*56*
00240705	0.335	0.6	*48/40*	*48/44*
00240706	0.455	0.7 ÷ 0.8	–	*32*
00240707	0.53	0.9	*32/28*	*28*
00240708	0.62	1.0	*26/24*	*24*
00240709	0.725	1.25	*22 ÷ 19*	*20*
00240710	0.895	1.5	*18/16*	*18/16*
00240711	1.10	1.75	*14*	*14/13*
00240712	1.35	2.0	*12/11*	*12/11*
00240713	1.65	2.5	*10/9*	*10/9*
00240714	2.05	3.0/3.5	*8/7*	*8/7*
00240715	2.55	4.0/4.5	*6*	*6*
00240716	3.20	5.0/5.5	*5/4.5*	*5/4.5*
Set of 16 pairs				
00240700	0.17 ÷ 3.20			

Micrometer Stands

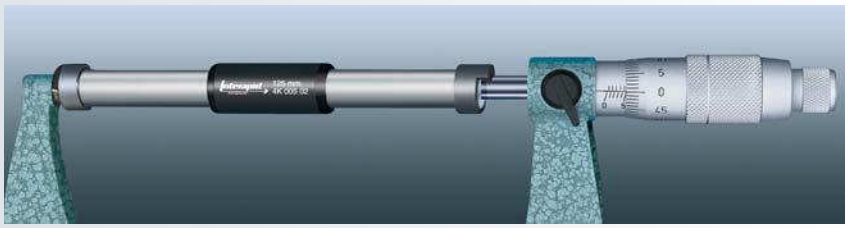
For micrometers up to 300 mm as well as many other hand-held tools.

No	
TESA	
00160201	
ETALON	
072110123	

- Clamp aperture: 16 mm (TESA) or 20 mm (ETALON)
- Lacquered cast iron base
- Tilt can be locked using a single bolt.

INTERAPID Setting Standards

- Hardened steel
- Two flat and parallel measuring faces
- Cylindrical gauge block with plastic insulating grip and dull-chrome shaft
- With lengths: ≤ 175 mm= 10 mm. ≥ 200 mm = 13 mm.
- Max. perm. error over the length: ± (1 + L/100) µm, L in mm
- Identification number
- Inspection report with actual measured length
- Declaration of conformity



№	mm	№	mm
02140001	25	**02140021**	525
02140002	50	**02140022**	550
02140003	75	**02140023**	575
02140004	100	**02140024**	600
02140005	125	**02140025**	625
02140006	150	**02140026**	650
02140007	175	**02140027**	675
02140008	200	**02140028**	700
02140009	225	**02140029**	725
02140010	250	**02140030**	750
02140011	275	**02140031**	775
02140012	300	**02140032**	800
02140013	325	**02140033**	825
02140014	350	**02140034**	850
02140015	375	**02140035**	875
02140016	400	**02140036**	900
02140017	425	**02140037**	925
02140018	450	**02140038**	950
02140019	475	**02140039**	975
02140020	500	**02140040**	1000

Guide Collars

Make the positioning of INTERAPID setting standards fast and easy.

№	mm	mm
02140103	100 ÷ 175	8
02140108	200 ÷ 1475	8

ETALON Cylindrical Step Gauges

For display setting and calibration.

No	Ø mm
072112020	5 ÷ 100
072112021	5 ÷ 150

✓

Alloyed steel, hardened

Diameters in step of 5 mm (≤ 50 mm) or 10 mm (> 50 mm).

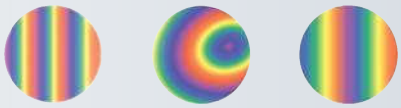
Max. perm. errors for nominal diameters:
≤ 80 mm = 1.5 µm
≥ 90 ≤ 120 mm = 2.0 µm
≥ 130 mm = 2.5 µm

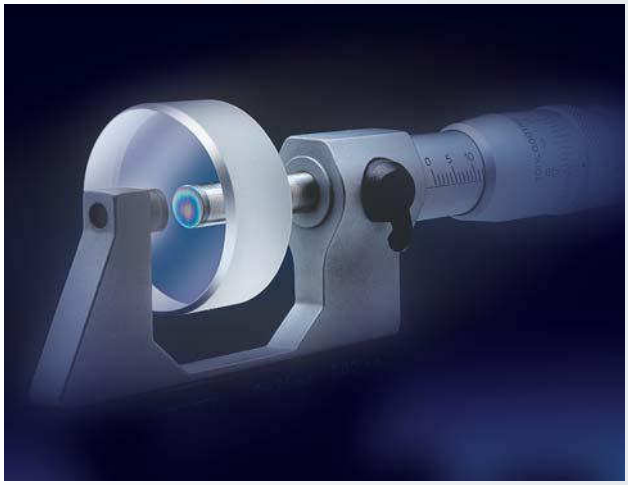
Mounted on a wood base. Supplied with dust cover.

Declaration of conformity

Optical Flats with Two Parallel Faces

Used for examining the flatness and parallelism of the measuring faces on external micrometers as well as other similar measuring instruments. The difference in length of the optical flats within a set matches a quarter or a third of the spindle pitch of 0.5 mm.





No	mm
02510001	12.00
02510000	12.00 ÷ 12.375
02510101	27.00
02510100	27.00 ÷ 27.335
02510200	52.00 ÷ 52.335
02510300	77.00 ÷ 77.335

✓

31 mm

Length tolerance with reference to the nominal dimension: ± 100 µm

Flatness tolerances for optical parallels with lengths:
≤ 27.335 mm = 0.15 µm
≥ 52.00 ÷ 77.335 mm = 0.2 µm

Tolerances in parallelism for optical parallels with lengths:
≤ 27.335 mm = 0.4 µm
≥ 52.00 ÷ 77.335 mm = 0.5 µm

Each set is supplied in a wooden case

Declaration of conformity