



0870 Precision micrometers for thread flank measurement



**DIN
863-3**



Model

- DIN 863-3
- Reading 0.01 mm
- Reading parts are satin chrome finished
- Locking ring
- Ratchet stop
- Thermally insulated
- Spheroid ductile iron frame, lacquered

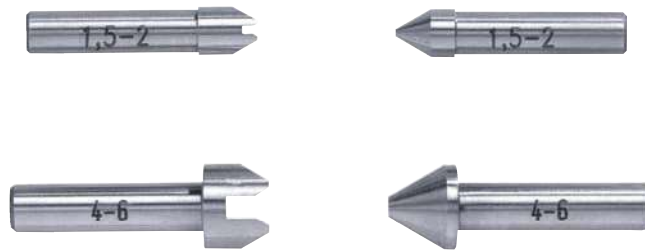
Delivery

- Wooden case
- **Thread flank inserts and setting standards must be ordered separately**

✕	Measuring range	Pitch	Thimble dia.	Error limit	Spindle adjustment	Required length of setting standard	Order no.	List price
	mm	mm	mm	mm	mm	mm		EUR
For inserts with shank dimensions. dia. 3.5 x 13.5 mm								
	0 - 25	0.5	20	0.004	25	-	0870 301	295.00
	25 - 50	0.5	20	0.004	25	25	0870 302	308.00
	50 - 75	0.5	20	0.005	25	50	0870 303	331.00
	75 - 100	0.5	20	0.005	25	75	0870 304	362.00
	100 - 125	0.5	20	0.006	25	100	0870 305	396.00
	125 - 150	0.5	20	0.006	25	125	0870 306	431.00
	150 - 200	0.5	20	0.007	50	175	0870 307	614.00
	200 - 250	0.5	20	0.008	50	225	0870 309	671.00
	250 - 300	0.5	20	0.009	50	275	0870 311	738.00



0870 Thread flank inserts for external measurement



Model

- Made of hardened special steel and finely grinded
- Every insert is inscribed with the pitch details
- In a set (V-anvil + tapered anvil)
- Shank dimensions: 3.5 x 13.5 mm

Flank angle	Pitch mm	Applicable for UNC, UNF 60°	Thread pitch in TPI mm	Order no.	List price EUR
Metric ISO - threads					
60 °	0.35 - 0.5	72 - 48		0870 901	111.00
60 °	0.6 - 0.8	44 - 32		0870 903	96.00
60 °	0.9 - 1.25	28 - 18		0870 905	96.00
60 °	1.5 - 2	16 - 11		0870 907	96.00
60 °	2.5 - 3.5	10 - 7		0870 909	96.00
60 °	4 - 6	6 - 4		0870 911	111.00
Whitworth- threads					
55 °			60 - 48	0870 921	121.00
55 °			40 - 32	0870 923	105.00
55 °			28 - 22	0870 925	105.00
55 °			20 - 16	0870 927	105.00
55 °			14 - 11	0870 929	105.00
55 °			10 - 7	0870 931	105.00
55 °			6 - 4	0870 933	121.00
Metric ISO - Trapezoid threads (DIN 103)					
30 °	1.5			0870 941	285.00
30 °	2			0870 943	207.00
30 °	3			0870 945	182.00
30 °	4			0870 947	182.00
30 °	5-6			0870 949	182.00
30 °	7-8			0870 951	182.00
30 °	9-10			0870 953	207.00
30 °	12-14			0870 955	285.00



0870 Thread flank setting gauges for external measurement



Model

- Measuring faces made of hardened special steel
- One end is rounded, the lapped bore simplifies the fitting upon the conical insert
- Thermally insulated handle
- **Note: With trapezoid treads every pitch requires a separate setting standard**

		Length mm	Flank angle	Available for following pitches mm	Error limit µm	Order no.	List price EUR
Metric ISO - threads							
		25	60 °		3	0870 801	70.00
		50	60 °		3	0870 802	71.00
		75	60 °		3	0870 803	72.00
		100	60 °		4	0870 804	73.00
		125	60 °		4	0870 805	74.00
		175	60 °		4	0870 807	82.00
		225	60 °		4	0870 809	92.00
		275	60 °		4	0870 811	102.00
Whitworth- threads							
		25	55 °		3	0870 821	70.00
		50	55 °		3	0870 822	71.00
		75	55 °		3	0870 823	72.00
		100	55 °		4	0870 824	77.00
		125	55 °		4	0870 825	78.00
		175	55 °		4	0870 827	89.00
		225	55 °		4	0870 829	103.00
		275	55 °		4	0870 831	117.00
Metric ISO - Trapezoid threads (DIN 103)							
		25	30 °	2 / 3 / 4 / 5 - 6 / 7 - 8 / 9 - 10	4	0870 841	153.00
		50	30 °	2 / 3 / 4 / 5 - 6 / 7 - 8 / 9 - 10	4	0870 842	157.00
		75	30 °	2 / 3 / 4 / 5 - 6 / 7 - 8 / 9 - 10	4	0870 843	161.00
		100	30 °	3 / 4 / 5 - 6 / 7 - 8 / 9 - 10 / 12 - 14	5	0870 844	168.00
		125	30 °	4 / 5 - 6 / 7 - 8 / 9 - 10 / 12 - 14	5	0870 845	182.00
		175	30 °	4 / 5 - 6 / 7 - 8 / 9 - 10 / 12 - 14	5	0870 847	217.00
		225	30 °	5 - 6 / 7 - 8 / 9 - 10 / 12 - 14	5	0870 849	265.00
		275	30 °	5 - 6 / 7 - 8 / 9 - 10 / 12 - 14	5	0870 851	324.00

* When ordering the respective pitch must be specified