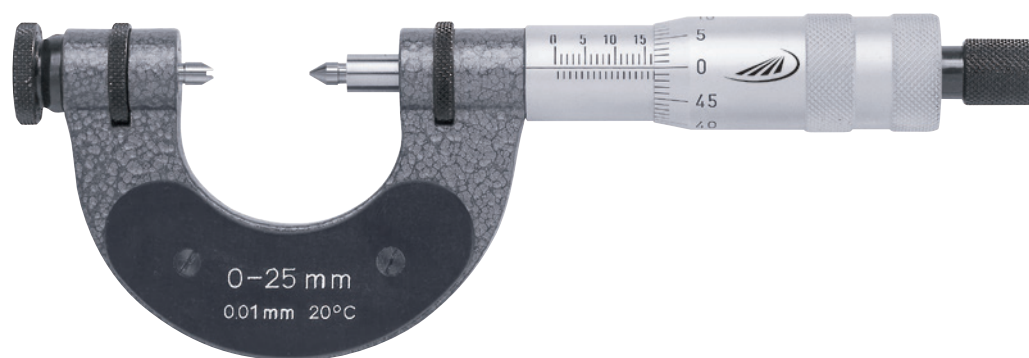




0870 Precision micrometers for thread flank measurement



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

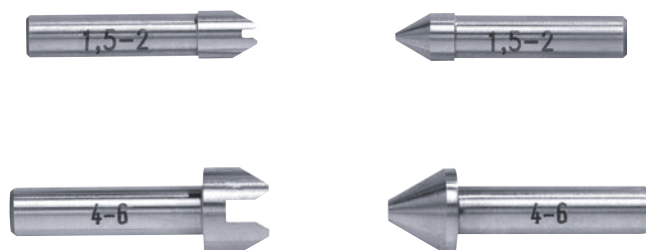
Delivery

- 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	307.00
	25 - 50	0.5	20	0.004	25	25	0870 302	321.00
	50 - 75	0.5	20	0.005	25	50	0870 303	345.00
	75 - 100	0.5	20	0.005	25	75	0870 304	377.00
	100 - 125	0.5	20	0.006	25	100	0870 305	413.00
	125 - 150	0.5	20	0.006	25	125	0870 306	449.00
	150 - 200	0.5	20	0.007	50	175	0870 307	640.00
	200 - 250	0.5	20	0.008	50	225	0870 309	699.00
	250 - 300	0.5	20	0.009	50	275	0870 311	769.00



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

Icon	Pitch angle in degrees	Pitch mm	Applicable for UNC, UNF 60°	Thread pitch in TPI mm	Order no.	List price EUR
Metric ISO - threads						
	60 °	0.35 - 0.50	72 - 48		0870 901	116.00
	60 °	0.60 - 0.80	44 - 32		0870 903	100.00
	60 °	0.90 - 1.25	28 - 18		0870 905	100.00
	60 °	1.5 - 2.0	16 - 11		0870 907	100.00
	60 °	2.5 - 3.5	10 - 7		0870 909	100.00
	60 °	4.0 - 6.0	6 - 4		0870 911	116.00
Whitworth - threads						
	55 °			60 - 48	0870 921	126.00
	55 °			40 - 32	0870 923	109.00
	55 °			28 - 22	0870 925	109.00
	55 °			20 - 16	0870 927	109.00
	55 °			14 - 11	0870 929	109.00
	55 °			10 - 7	0870 931	109.00
	55 °			6 - 4	0870 933	126.00
Metric ISO - Trapezoid threads (DIN 103)						
	30 °	1.5			0870 941	297.00
	30 °	2.0			0870 943	216.00
	30 °	3.0			0870 945	190.00
	30 °	4.0			0870 947	190.00
	30 °	5.0 - 6.0			0870 949	190.00
	30 °	7.0 - 8.0			0870 951	190.00
	30 °	9.0 - 10.0			0870 953	216.00
	30 °	12.0 - 14.0			0870 955	297.00



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	Pitch angle in degrees	Available for following pitches mm	Error limit µm	Order no.	List price EUR
Metric ISO - threads							
		25	60 °		3	0870 801	73.00
		50	60 °		3	0870 802	74.00
		75	60 °		3	0870 803	75.00
		100	60 °		4	0870 804	76.00
		125	60 °		4	0870 805	77.00
		175	60 °		4	0870 807	85.00
		225	60 °		4	0870 809	96.00
		275	60 °		4	0870 811	106.00
Whitworth - threads							
		25	55 °		3	0870 821	73.00
		50	55 °		3	0870 822	74.00
		75	55 °		3	0870 823	75.00
		100	55 °		4	0870 824	80.00
		125	55 °		4	0870 825	81.00
		175	55 °		4	0870 827	93.00
		225	55 °		4	0870 829	107.00
		275	55 °		4	0870 831	122.00
Metric ISO - Trapezoid threads (DIN 103)*							
		25	30 °	2 / 3 / 4 / 5 - 6 / 7 - 8 / 9 - 10	4	0870 841	159.00
		50	30 °	2 / 3 / 4 / 5 - 6 / 7 - 8 / 9 - 10	4	0870 842	164.00
		75	30 °	2 / 3 / 4 / 5 - 6 / 7 - 8 / 9 - 10	4	0870 843	168.00
		100	30 °	3 / 4 / 5 - 6 / 7 - 8 / 9 - 10 / 12 - 14	5	0870 844	175.00
		125	30 °	4 / 5 - 6 / 7 - 8 / 9 - 10 / 12 - 14	5	0870 845	190.00
		175	30 °	4 / 5 - 6 / 7 - 8 / 9 - 10 / 12 - 14	5	0870 847	226.00
		225	30 °	5 - 6 / 7 - 8 / 9 - 10 / 12 - 14	5	0870 849	276.00
		275	30 °	5 - 6 / 7 - 8 / 9 - 10 / 12 - 14	5	0870 851	338.00

* When ordering the respective pitch must be specified