



0894 Precision internal micrometers with extensions



**DIN
863-4**



Model

- DIN 863-4
- Measuring ends: dia. 7 mm x 6 mm long, carbide tipped spherical lapped
- Thread pitch 1 mm
- Internal spring mounted rods with thermal protective sleeves
- Extensions greater than 100 mm: external steel tube dia. 17 mm, with thermal insulation
- Extensions 500 and 1000 mm: strengthened specification - steel tube dia. 32 mm for larger measuring ranges

Delivery

- Wooden case

- Basic internal micrometer is adjustable: 50 mm. The spindle is tight, so that during measurement the thimble does not adjust itself.

✕	✕	Measuring range mm	Length of extensions mm (tube dia. 17 mm)	Length of extensions (tube dia. 32 mm)	Error limit µm	Order no.	List price EUR
		100 - 150	only micrometer, excludes case	-	4	0894 504	224.00
		100 - 300	50 / 100	-	7	0894 510	595.00
		100 - 500	50 / 100 / 200	-	9	0894 514	802.00
		100 - 900	50 / 100 / 200 / 400	-	11	0894 518	1036.00
		100 - 1300	50 / 100 / 200 / 400 / 400	-	13	0894 522	1276.00
		100 - 1700	50 / 100 / 200 / 400 / 800	-	15	0894 526	1313.00
		100 - 2100	50 / 100 / 200 / 400 / 400 / 800	-	18	0894 530	1540.00
		100 - 2500	50 / 100 / 200 / 400 / 800 / 800	-	21	0894 534	1582.00
		100 - 2000	50 / 100 / 200 / 200	500 / 1 x 1000	18	0894 538	2761.00
		100 - 3000	50 / 100 / 200 / 200	500 / 2 x 1000	30	0894 542	3601.00
		100 - 4000	50 / 100 / 200 / 200	500 / 3 x 1000	40	0894 546	4470.00
	▪	100 - 5000	50 / 100 / 200 / 200	500 / 4 x 1000	50	0894 550	5311.00
	▪	100 - 6000	50 / 100 / 200 / 200	500 / 5 x 1000	60	0894 554	6152.00

With the larger measuring ranges we recommend that the ends of the precision internal micrometer to be placed and/or held on 2 points with an approximate distance of 22% of the measuring length, thus minimizing deflection. The error indicated in the table above refers to the maximum deflection of the appropriate set. When smaller dimensions are measured, the error is smaller and corresponds to the error value of the smaller sets.

0894 Individual extensions



M 14x1



✕	✕	Length mm	Tube dia. mm	Order no.	List price EUR
		50	17	0894 804	160.00
		100	17	0894 806	182.00
		200	17	0894 810	197.00
		400	17	0894 820	217.00
		800	17	0894 834	247.00
		500	32	0894 854	811.00
		1000	32	0894 872	842.00