

Diameter Tolerances to DIN 40 680
Deflectional Tolerances to DIN 40 680

Nominal dimensional range for diameter or length in mm		Degree of accuracy		Nominal dimensional range for length in mm	Coarse Deflection in mm	Medium Deflection in mm	
		Coarse Deviation in mm	Medium Deviation in mm				
up to	4	+ / - 0.4	+ / - 0.15	up to	30	+ / - 1.7	+ / - 0.15
above	4 up to 6	+ / - 0.6	+ / - 0.20	above	30 up to 40	+ / - 1.8	+ / - 0.20
above	6 up to 8	+ / - 0.7	+ / - 0.25	above	40 up to 50	+ / - 1.9	+ / - 0.25
above	8 up to 10	+ / - 0.8	+ / - 0.30	above	50 up to 60	+ / - 2.0	+ / - 0.30
above	10 up to 13	+ / - 1.0	+ / - 0.35	above	60 up to 70	+ / - 2.1	+ / - 0.35
above	13 up to 16	+ / - 1.2	+ / - 0.40	above	70 up to 80	+ / - 2.1	+ / - 0.40
above	16 up to 20	+ / - 1.2	+ / - 0.45	above	80 up to 90	+ / - 2.2	+ / - 0.45
above	20 up to 25	+ / - 1.5	+ / - 0.50	above	90 up to 100	+ / - 2.3	+ / - 0.50
above	25 up to 30	+ / - 1.5	+ / - 0.55	above	100 up to 110	+ / - 2.4	+ / - 0.55
above	30 up to 35	+ / - 2.0	+ / - 0.60	above	110 up to 125	+ / - 2.5	+ / - 0.65
above	35 up to 40	+ / - 2.0	+ / - 0.65	above	125 up to 140	+ / - 2.6	+ / - 0.70
above	40 up to 45	+ / - 2.0	+ / - 0.70	above	140 up to 155	+ / - 2.7	+ / - 0.80
above	45 up to 50	+ / - 2.5	+ / - 0.80	above	155 up to 170	+ / - 2.9	+ / - 0.85
above	50 up to 55	+ / - 2.5	+ / - 0.90	above	170 up to 185	+ / - 3.0	+ / - 0.90
above	55 up to 60	+ / - 2.5	+ / - 1.00	above	185 up to 200	+ / - 3.1	+ / - 1.00
above	60 up to 70	+ / - 3.0	+ / - 1.20	above	200 up to 250	+ / - 3.5	+ / - 1.25
above	70 up to 80	+ / - 3.5	+ / - 1.40	above	250 up to 300	+ / - 3.9	+ / - 1.50
above	80 up to 90	+ / - 4.0	+ / - 1.60	above	300 up to 350	+ / - 4.3	+ / - 1.75
above	90 up to 100	+ / - 4.5	+ / - 1.80	above	350 up to 400	+ / - 4.7	+ / - 2.00
above	100 up to 110	+ / - 5.0	+ / - 2.00	above	400 up to 450	+ / - 5.1	+ / - 2.25
above	110 up to 125	+ / - 5.5	+ / - 2.20	above	450 up to 500	+ / - 5.5	+ / - 2.50
above	125 up to 140	+ / - 6.0	+ / - 2.50	above	500 up to 600	+ / - 6.3	+ / - 3.00
above	140 up to 155	+ / - 6.5	+ / - 2.80	above	600 up to 700	+ / - 7.1	+ / - 3.50
above	155 up to 170	+ / - 7.0	+ / - 3.00	above	700 up to 800	+ / - 7.9	+ / - 4.00
above	170 up to 185	+ / - 7.5	+ / - 3.40	above	800 up to 900	+ / - 8.7	+ / - 4.50
above	185 up to 200	+ / - 8.0	+ / - 3.80	above	900 up to 1000	+ / - 9.5	+ / - 5.00
above	200 up to 250	+ / - 9.0	+ / - 4.20	above	1000	+ / - 1.5+0.8% x L	+ / - 0.5% x L
above	250 up to 300	+ / - 10.0	+ / - 4.60				
above	300 up to 350	+ / - 11.0	+ / - 5.00				
above	350 up to 400	+ / - 12.0	+ / - 5.50				
above	400 up to 450	+ / - 13.0	+ / - 6.10				
above	450 up to 500	+ / - 14.0	+ / - 6.80				
above	500 up to 600	+ / - 15.0	+ / - 7.60				
above	600 up to 700	+ / - 16.0	+ / - 8.30				
above	700 up to 800	+ / - 17.5	+ / - 9.00				
above	800 up to 900	+ / - 19.0	+ / - 9.50				
above	900 up to 1000	+ / - 20.0	+ / - 10.00				
above	1000	+ / - 0.2 x Dia	+ / - 0.01 x Dia.				

Accuracy	Coarse	Medium
DIN VDE 0335, Type	530 610 799	530 610 799
cast, extruded 30mm dia. and above	. . .	
extruded to 30mm dia.		. . .

These are our standard tolerances. Through our modern process control system we are able to achieve values considerably better than standard. For tighter tolerances, please send us your enquiry.

