

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.

The values given on this data sheet were established on test pieces and identify the characteristic data of our products. These values should be used for guidance only as actual values will depend on individual geometry and application of each part.