

Tolerance of DMR™ Shaft Seals

Seal O.D. Tolerance – Metric

Bore Diameter	Tolerance	
	Metal Cased Seal O.D.	Rubber Covered Seal O.D.
up to 50	+0.20	+0.30
	+0.10	+0.15
50 to 80	+0.23	+0.35
	+0.13	+0.20
80 to 120	+0.25	+0.35
	+0.15	+0.20
120 to 180	+0.28	+0.45
	+0.18	+0.25
180 to 300	+0.30	+0.45
	+0.20	+0.25
300 to 500	+0.35	+0.55
	+0.23	+0.30

Seal Width (mm)	Tolerance
up to 10	+/- 0.20
over 10	+/- 0.30

Seal Width (inch)	Tolerance
up to 1.000	+/- 0.015

Seal O.D. Tolerance – Inch

Bore Diameter	Press Fit Allowance		Tolerance	
	Metal Case	Rubber Covered Case	Metal Case	Rubber Covered Case
up to 1.000	+0.004	+0.006	+/- 0.002	+/- 0.003
1.001 to 2.000	+0.004	+0.007	+/- 0.002	+/- 0.003
2.001 to 3.000	+0.004	+0.008	+/- 0.002	+/- 0.003
3.001 to 4.000	+0.005	+0.010	+/- 0.002	+/- 0.004
4.001 to 6.000	+0.005	+0.010	+0.003 -0.002	+/- 0.004
6.001 to 8.000	+0.006	+0.010	+0.003 -0.002	+/- 0.004
8.001 to 10.000	+0.008	+0.010	+0.004 -0.002	+/- 0.004
10.001 to 20.000	+0.008	+0.010	+0.006 -0.002	+/- 0.004
20.001 to 40.000	+0.008	+0.010	+0.008 -0.002	+/- 0.004
40.001 to 60.000	+0.008	+0.010	+0.010 -0.002	+/- 0.004