



- 1** LER Seal Ring **2** Adapter Sleeve **3** Bearing
4 Lock Washer **5** Locknut **1** LER Seal Ring

RECOMMENDED CLEARANCE REDUCTION

Bore Diameter d (mm)		Decrease in Radial Clearances (in)	Minimum Residual Clearances (in)		
Over	Including		Normal	C3	C4
24	30	0.0006 - 0.0008	0.0004	0.0008	0.0014
30	40	0.0008 - 0.0010	0.0006	0.0010	0.0016
40	50	0.0010 - 0.0014	0.0008	0.0012	0.0018
50	65	0.0012 - 0.0016	0.0010	0.0014	0.0022
65	80	0.0014 - 0.0020	0.0014	0.0016	0.0028
80	100	0.0016 - 0.0022	0.0016	0.0020	0.0033
100	120	0.0022 - 0.0028	0.0018	0.0026	0.0039
120	140	0.0026 - 0.0035	0.0022	0.0031	0.0043
140	160	0.0030 - 0.0039	0.0022	0.0035	0.0051
160	180	0.0031 - 0.0043	0.0024	0.0039	0.0059
180	200	0.0035 - 0.0047	0.0028	0.0043	0.0067
200	225	0.0039 - 0.0051	0.0031	0.0047	0.0075
225	250	0.0043 - 0.0055	0.0035	0.0051	0.0083
250	280	0.0047 - 0.0063	0.0039	0.0055	0.0091
280	315	0.0051 - 0.0071	0.0043	0.0059	0.0098
315	355	0.0059 - 0.0079	0.0047	0.0067	0.0106
355	400	0.0067 - 0.0087	0.0051	0.0075	0.0118
400	450	0.0075 - 0.0094	0.0055	0.0083	0.0130
450	500	0.0083 - 0.0106	0.0063	0.0091	0.0142

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Place the bearing on a horizontal surface as shown. Insert a feeler gauge between the outer ring raceway and top of rollers.

Do not force the gauge in, or rotate the bearing during measurement.

Radial Clearances for Tapered Bore Spherical Roller Bearings

Bore Diameter d (mm/inch)		Clearances (micron/inch)							
		C2		Normal		C3		C4	
Over	Incl.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
18	24	0.0006	0.0010	0.0010	0.0014	0.0014	0.0018	0.0018	0.0024
24	30	0.0008	0.0012	0.0012	0.0016	0.0016	0.0022	0.0022	0.0030
30	40	0.0010	0.0014	0.0014	0.0020	0.0020	0.0026	0.0026	0.0033
40	50	0.0012	0.0018	0.0018	0.0024	0.0024	0.0031	0.0031	0.0039
50	65	0.0016	0.0022	0.0022	0.0030	0.0030	0.0037	0.0037	0.0047
65	80	0.0020	0.0028	0.0028	0.0037	0.0037	0.0047	0.0047	0.0059
80	100	0.0022	0.0031	0.0031	0.0043	0.0043	0.0055	0.0055	0.0071
100	120	0.0026	0.0039	0.0039	0.0053	0.0053	0.0067	0.0067	0.0087
120	140	0.0031	0.0047	0.0047	0.0063	0.0063	0.0079	0.0079	0.0102
140	160	0.0035	0.0051	0.0051	0.0071	0.0071	0.0091	0.0091	0.0118
160	180	0.0039	0.0055	0.0055	0.0079	0.0079	0.0102	0.0102	0.0134
180	200	0.0043	0.0063	0.0063	0.0087	0.0087	0.0114	0.0114	0.0146
200	225	0.0047	0.0071	0.0071	0.0098	0.0098	0.0126	0.0126	0.0161
225	250	0.0055	0.0079	0.0079	0.0106	0.0106	0.0138	0.0138	0.0177
250	280	0.0059	0.0087	0.0087	0.0118	0.0118	0.0154	0.0154	0.0193
280	315	0.0067	0.0094	0.0094	0.0130	0.0130	0.0169	0.0169	0.0213
315	355	0.0075	0.0106	0.0106	0.0142	0.0142	0.0185	0.0185	0.0232
355	400	0.0083	0.0118	0.0118	0.0157	0.0157	0.0205	0.0205	0.0256
400	450	0.0091	0.0130	0.0130	0.0173	0.0173	0.0224	0.0224	0.0283
450	500	0.0102	0.0146	0.0146	0.0193	0.0193	0.0248	0.0248	0.0311
500	560	0.0114	0.0161	0.0161	0.0213	0.0213	0.0268	0.0268	0.0343
560	630	0.0126	0.0181	0.0181	0.0236	0.0236	0.0299	0.0299	0.0386
630	710	0.0138	0.0201	0.0201	0.0264	0.0264	0.0335	0.0335	0.0429
710	800	0.0154	0.0224	0.0224	0.0295	0.0295	0.0378	0.0378	0.0480
800	900	0.0173	0.0252	0.0252	0.0331	0.0331	0.0421	0.0421	0.0539
900	1000	0.0193	0.0280	0.0280	0.0366	0.0366	0.0469	0.0469	0.0598