

Replacement Parts

Spanner Bushings & Thrust Washers



Spanner Bushing



Nylon Sealed Retaining Thrust Washer



Powdered Iron Step Retaining Thrust Washer

Part Number	Spanner Bushing ID (Inches)	Spanner Bushing OD (Inches)	Spanner Bushing Length (Inches)	Spanner Material	Lubrication Holes	Matching Thrust Washers	Washer I.D. (Inches)	Washer O.D. (Inches)
ZF060824	0.375	0.500	1.500		1	WA082406	0.500	1.500
ZF06082401	0.375	0.500	1.500	Stainless	1			
ZF060826	0.375	0.500	1.625		1	WA082400	0.500	1.500
ZF081030	0.500	0.625	1.875		2	WA102400	0.625	1.500
ZF081033	0.500	0.625	2.063		2	WA102400	0.625	1.500
ZF081036	0.500	0.625	2.250		2	WA102400	0.625	1.500
ZF081038	0.500	0.625	2.375		2	WA102400	0.625	1.500
ZF081039	0.500	0.625	2.438		2	WA102400	0.625	1.500
ZF081046	0.500	0.625	2.875		2	WA102400	0.625	1.500
ZF081230	0.500	0.750	1.875		2	WA122600	0.750	1.625
ZF081236	0.500	0.750	2.250		2	WA122600	0.750	1.625
ZF081238	0.500	0.750	2.375		2	WA122600	0.750	1.625
ZF081239	0.500	0.750	2.438		2	WA122600	0.750	1.625
ZF081240	0.500	0.750	2.438	Stainless	2	WA122603	0.750	1.625
ZF081248	0.500	0.750	3.000		2	WA122600	0.750	1.625
ZF081264	0.500	0.750	4.000		none	WA122600	0.750	1.625
ZF101239	0.625	0.750	2.438		2	WA122600	0.750	1.625
ZF121648	0.750	1.000	3.000		2	WA163900	1.000	2.438
ZF121657	0.750	1.000	3.500		2	WA163900	1.000	2.438
ZF121664	0.750	1.000	4.000		none	WA163900	1.000	2.438
ZF121677	0.750	1.000	4.812		none	WA163900	1.000	2.438
ZF162057	1.000	1.250	3.563		none	WA203903	1.250	2.438
ZF162073	1.000	1.250	4.563		none	WA204800	1.250	3.000
ZF162089	1.000	1.250	5.563		none	WA204800	1.250	3.000
ZF202458	1.250	1.500	3.563		none	WA245600	1.500	3.500
ZF202473	1.250	1.500	4.563		none	WA245600	1.500	3.500
ZF202489	1.250	1.500	5.563		none	WA245600	1.500	3.500

All spanner bushings are hardened to form precision inner race for roller bearings. Except as noted by "none", all spanner bushings are cross drilled for lubrication through hollow axle. Thrust washers are hardened. They are not part of the spanner bushing assembly and must be ordered separately. Thrust washers are not required with ball bearings, 2 piece Delrin bearings, or with combo washers.