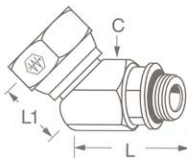


NPSM Female Swivel Adapters

Steel Fittings

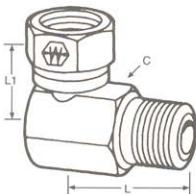
45° Elbow - Male Straight Thread to Female Pipe Swivel (Ref. SAE No. 140357)



Replacement O-rings page 194.

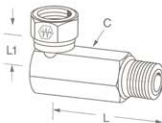
Straight Thread	NPSM Swivel Nut	Catalog Number	Hex		
			C	L	L1
7/16-20	1/4-18	9365x4x4	11/16	1.062	.656
7/16-20	3/8-18	9365x4x6	7/8	1.062	.656
9/16-18	3/8-18	9365x6x6	7/8	1.062	.703
9/16-18	1/2-14	9365x6x8	1	1.062	.812
3/4-16	3/8-18	9365x8x6	1	1.125	.875
3/4-16	1/2-14	9365x8x8	1	1.125	.812
7/8-14	1/2-14	9365x10x8	1	1.500	.781
1-1/16-12	3/4-14	9365x12x12	1-1/4	1.500	1.046
1-5/16-12	1-11-12	9365x16x16	1-1/2	1.625	1.062
1-5/8-12	1-1/4-11-1/2	9365x20x20	1-7/8	1.281	1.171
1-7/8-12	1-1/2-11-1/2	9365x24x24	2-1/8	1.609	1.343

90° Elbow - Female Pipe Swivel to Male Pipe (Ref. SAE No. 140230)



NPSM Swivel Nut	Male Pipe Thread	Catalog Number	Hex		
			C	L	L1
1/8-27	1/8-27	9405x2x2	9/16	.720	.700
1/8-27	1/4-18	9405x2x4	11/16	1.190	.750
1/4-18	1/8-27	9405x4x2	11/16	1.060	.780
1/4-18	1/4-18	9405x4x4	11/16	.980	.750
1/4-18	3/8-18	9405x4x6	11/16	1.500	.810
1/4-18	1/2-14	9405x4x8	1	1.500	.940
3/8-18	1/4-18	9405x6x4	13/16	1.500	.900
3/8-18	3/8-18	9405x6x6	7/8	1.500	.900
3/8-18	1/2-14	9405x6x8	1	1.350	1.020
3/8-18	3/4-14	9405x6x12	1-1/4	2.000	1.120
1/2-14	3/8-18	9405x8x6	1	1.280	1.020
1/2-14	1/2-14	9405x8x8	1	1.810	1.020
1/2-14	3/4-14	9405x8x12	1-1/4	1.490	1.140
1/2-14	1-11-1/2	9405x8x16	1-1/2	2.380	1.250
3/4-14	3/4-14	9405x12x12	1-1/4	1.490	1.200
3/4-14	1-11-1/2	9405x12x16	1-1/2	2.380	1.380
1-11-1/2	3/4-14	9405x16x12	1-1/2	2.190	1.440
1-11-1/2	1-11-1/2	9405x16x16	1-1/2	2.380	1.440
1-11-1/2	1-1/4-11-1/2	9405x16x20	1-7/8	1.578	2.620
1-1/4-11-1/2	1-11 1/2	9405x20x16	1-7/8	2.530	1.660
1-1/4-11-1/2	1-1/4-11-1/2	9405x20x20	1-7/8	2.070	1.630
1-1/4-11-1/2	1-1/2-11-1/2	9405x20x24	2-1/8	2.810	1.780
1-1/2-11-1/2	1-1/2-11-1/2	9405x24x24	2-1/8	2.810	1.750
2-11-1/2	2-11-1/2	9405x32x32	2-5/8	3.120	2.310

90° Elbow Long - Female Pipe Swivel to Male Pipe



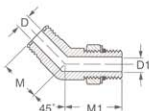
NPSM Swivel Nut	Male Pipe Thread	Catalog Number	Hex		
			C	L	L1
1/8-27	1/8-27	9405X2X2LL	9/16	1.90	.70
1/4-18	1/4-18	9405X4X4LL	11/16	2.57	.75
3/8-18	3/8-18	9405X6X6LL	13/16	3.16	.90
1/2-14	1/2-14	9405X8X8LL	1	3.67	1.02
3/4-14	3/4-14	9405X12X12LL	1-1/4	4.29	1.20
1-11-1/2	1-11-1/2	9405X16X16LL	1-1/2	5.06	1.46

NOTE: C and L dimensions subject to change.

Straight Thread O-Ring

**Steel
Fittings**

45° Elbow - For-Seal® to Straight Thread O-Ring (Ref. SAE No. 520320)

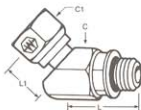


For replacement straight thread O-rings, see page 194.

For replacement For-Seal® o-rings, see page 163.

Tube O.D.	Port Size	Catalog Number	D	D1	M	M1	Across Flats
1/4	1/4	4365x4	.172	.172	.63	1.18	9/16
1/4	3/8	4365x4x6	.172	.264	.68	1.30	3/4
3/8	1/4	4365x6x4	.264	.172	.74	1.22	3/4
3/8	3/8	4365x6	.264	.264	.74	1.30	3/4
3/8	1/2	4365x6x8	.264	.390	.74	1.43	3/4
1/2	3/8	4365x8x6	.378	.264	.80	1.27	3/4
1/2	1/2	4365x8	.378	.390	.80	1.43	3/4
1/2	5/8	4365x8x10	.378	.484	.82	1.76	1-1/16
1/2	3/4	4365x8x12	.378	.609	.87	1.97	1-3/16
5/8	1/2	4365x10x8	.484	.390	.92	1.59	1-1/16
5/8	5/8	4365x10	.484	.484	.92	1.76	1-1/16
5/8	3/4	4365x10x12	.484	.609	.94	1.97	1-3/16
3/4	5/8	4365x12x10	.609	.484	1.02	1.81	1-3/16
3/4	3/4	4365x12	.609	.609	1.02	1.97	1-5/16
3/4	1	4365x12x16	.609	.811	1.16	2.06	1-5/16
1	3/4	4365x16x12	.811	.609	1.12	2.03	1-7/16
1	1	4365x16	.812	.811	1.18	2.06	1-1/2
1	1-1/4	4365x16x20	.811	1.081	1.26	1.11	1-5/8
1-1/4	1-1/4	4365x20	1.024	1.081	1.26	1.11	1-5/8
1-1/2	1-1/2	4365x24	1.260	1.312	1.45	1.11	1-7/8

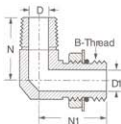
45° Elbow - Male Straight Thread O-Ring to Female Pipe Swivel (Ref. SAE No. 140357)



Replacement O-rings page 194.

Port Size	NPSM Swivel Nut	Catalog Number	Hex C	Hex C1	L	L1
1/4	1/4-18	9365x4x4	7/16	11/16	1.06	.66
1/4	3/8-18	9365x4x6	7/16	7/8	1.00	.75
3/8	3/8-18	9365x6x6	9/16	7/8	1.06	.70
3/8	1/2-14	9365x6x8	9/16	1	1.13	.82
1/2	3/8-18	9365x8x6	3/4	1	1.13	.88
1/2	1/2-14	9365x8x8	3/4	1	1.13	.82
5/8	1/2-14	9365x10x8	7/8	1	1.50	.78
3/4	3/4-14	9365x12x12	1-1/16	1-1/4	1.50	1.05
1	1-11-1/2	9365x16x16	1-5/16	1-1/2	1.62	1.06
1-1/4	1-1/4-11-1/2	9365x20x20	1-5/8	1-7/8	2.28	1.17
1-1/2	1-1/2-11-1/2	9365x24x24	1-7/8	2-1/8	2.61	1.34

90° Elbow - Straight Thread O-Ring to Male Pipe



Replacement O-rings page 194.

Port Size	Male Pipe Thread	Catalog Number	Straight Thread B	D1	D	N	N1	Across Flats
1/4	1/8	TF3569x4	7/16-20	.172	.188	.78	1.03	1/2
5/16	1/8	TF3569x5	1/2-20	.234	.188	.78	1.09	9/16
3/8	1/4	TF3569x6	9/16-18	.297	.281	1.09	1.25	5/8
1/2	3/8	TF3569x8	3/4-16	.391	.406	1.22	1.45	13/16
5/8	1/2	TF3569x10	7/8-14	.484	.531	1.47	1.70	15/16
3/4	3/4	TF3569x12	1-1/16-12	.609	.719	1.59	1.94	1-1/8
7/8	3/4	TF3569x14	1-3/16-12	.719	.919	1.69	2.00	1-1/4
1	1	TF3569x16	1-5/16-12	.844	.938	1.97	2.05	1-3/8
1-1/4	1-1/4	TF3569x20	1-5/8-12	1.078	1.250	2.38	2.25	1-3/4
1-1/2	1-1/2	TF3569x24	1-7/8-12	1.312	1.500	2.64	2.39	2
2	2	TF3569x32	2-1/2-12	1.781	1.938	3.00	2.89	2-5/8