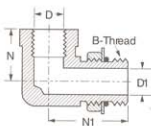
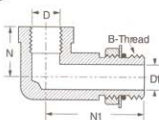


90° Straight Thread O-Ring  
Female Elbow

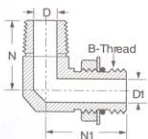
Replacement O-rings page 147.

Male Port Size	Fem. Pipe Thread	Catalog Number	Straight Thread B	D	D1	N	N1	Across Flats
1/2	3/8	C3459x8	3/4-16	.562	.422	.63	1.47	7/8
5/8	1/2	C3459x10	7/8-14	.687	.500	.75	1.81	1-1/16
3/4	3/4	C3459x12	1-1/16-12	.906	.656	.81	2.00	1-5/16
1	1	C3459x16	1-5/16-12	1.125	.876	1.00	2.25	1-5/8
1/4	1/8	TF3459x4	7/16-20	.332	.172	.66	1.09	5/8
5/16	1/8	TF3459x5	1/2-20	.332	.234	.66	1.13	5/8
3/8	1/4	TF3459x6	9/16-18	.437	.297	.88	1.31	3/4
1/2	3/8	TF3459x8	3/4-16	.562	.391	1.02	1.49	7/8
5/8	1/2	TF3459x10	7/8-14	.687	.484	1.23	1.80	1-1/8
3/4	3/4	TF3459x12	1-1/16-12	.906	.609	1.36	2.06	1-3/8
7/8	3/4	TF3459x14	1-3/16-12	.906	.719	1.42	2.06	1-3/8
1	1	TF3459x16	1-5/16-12	1.125	.844	1.62	2.17	1-5/8
1-1/4	1-1/4	TF3459x20	1-5/8-12	1.468	1.078	1.70	2.38	2
1-1/2	1-1/2	TF3459x24	1-7/8-12	1.703	1.312	2.08	2.58	2-3/8
2	2	TF3459x32	2-1/2-12	2.180	1.781	2.39	3.02	2-7/8

90° Straight Thread O-Ring  
Female Elbow Long

Replacement O-rings page 147.

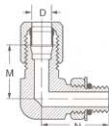
Male Port Size	Fem. Pipe Thread	Catalog Number	Straight Thread B	D	D1	N	N1	Across Flats
1/2	3/8	C3469x8	3/4-16	.562	.422	.63	2.94	7/8
5/8	1/2	C3469x10	7/8-14	.687	.500	.75	3.56	1-1/16
3/4	3/4	C3469x12	1-1/16-12	.906	.656	.81	4.13	1-5/16
1	1	C3469x16	1-5/16-12	1.125	.876	1.00	4.63	1-5/8

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

Replacement O-rings page 147.

Male Port Size	Male Pipe Thread	Catalog Number	Straight Thread B	D	D1	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	.719	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

## 90° Elbow - Ermeto® to Straight Thread O-Ring Stainless Steel No. 7527x (Ref. SAE No. 080220)



Replacement O-rings page 194.

Tube O.D.	Port Size	Catalog Number	D	M	N	Across Flats
1/4	1/4	7515x4-	.203	.89	1.03	7/16
5/16	5/16	7515x5	.234	.96	1.13	9/16
3/8	3/8	7515x6-	.281	1.05	1.25	9/16
1/2	1/2	7515x8-	.422	1.25	1.45	3/4
5/8	5/8	7515x10-	.500	1.42	1.70	7/8
3/4	3/4	7515x12-	.656	1.58	1.94	1-1/16
1	1	7515x16-	.875	1.73	2.05	1-5/16
1	3/4	7515x16x12	.875	1.73	2.05	1-5/16
1-1/4	1-1/4	7515x20	1.093	1.89	2.25	1-5/8

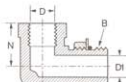
## 90° Elbow - Male Straight Thread O-Ring to Female Pipe Swivel (Ref. SAE No. 140257)



Replacement O-rings page 194.

Port Size	NPSM Swivel Nut	Catalog Number	Hex C	L	L1	Across Flats
1/4	1/4-18	9515x4x4	11/16	1.02	.75	11/16
1/4	3/8-18	9515x4x6	7/8	1.10	.90	7/8
3/8	1/4-18	9515x6x4	11/16	1.19	.78	11/16
3/8	3/8-18	9515x6x6	7/8	1.17	.90	7/8
3/8	1/2-14	9515x6x8	1	1.25	1.02	1
1/2	3/8-18	9515x8x6	1	1.36	1.00	1
1/2	1/2-14	9515x8x8	1	1.36	1.02	1
1/2	3/4-14	9515x8x12	1-1/4	1.66	1.25	1-1/4
5/8	3/8-18	9515x10x6	1	1.64	1.00	1
5/8	1/2-14	9515x10x8	1	1.50	1.02	1
5/8	3/4-14	9515x10x12	1-1/4	1.78	1.25	1-1/4
3/4	1/2-14	9515x12x8	1-1/4	1.92	1.12	1-1/4
3/4	3/4-14	9515x12x12	1-1/4	1.79	1.20	1-1/4
7/8	3/4-14	9515x14x12	1-1/4	1.92	1.25	1-1/4
1	3/4-14	9515x16x12	1-1/2	2.09	1.38	1-1/2
1	1-11/2	9515x16x16	1-1/2	2.09	1.39	1-1/2
1-1/4	3/4-14	9515x20x12	1-7/8	2.48	1.56	1-7/8
1-1/4	1-1/4-11-1/2	9515x20x20	1-7/8	2.48	1.66	1-7/8
1-1/2	1-1/2-11-1/2	9515x24x24	2-1/8	2.61	1.73	2-1/8
2	2-11-1/2	9515x32x32	2-5/8	3.25	2.31	2-5/8

## 90° Elbow - Straight Thread O-Ring to Female Pipe



Replacement O-rings page 194.

Port Size	Fem. Pipe Thread	Catalog Number	Straight Thread B	D	D1	N	N1	Across Flats
1/2	3/8	C3459x8	3/4-16	.562	.422	.63	1.47	7/8
5/8	1/2	C3459x10	7/8-14	.687	.500	.75	1.81	1-1/16
3/4	3/4	C3459x12	1-1/16-12	.906	.656	.81	2.00	1-5/16
1	1	C3459x16	1-5/16-12	1.125	.876	1.00	2.25	1-5/8
1/4	1/8	TF3459x4	7/16-20	.332	.172	.66	1.09	5/8
5/16	1/8	TF3459x5	1/2-20	.332	.234	.66	1.13	5/8
3/8	1/4	TF3459x6	9/16-18	.437	.297	.88	1.31	3/4
1/2	3/8	TF3459x8	3/4-16	.562	.391	1.02	1.49	7/8
5/8	1/2	TF3459x10	7/8-14	.687	.484	1.23	1.80	1-1/8
3/4	3/4	TF3459x12	1-1/16-12	.906	.609	1.36	2.06	1-3/8
7/8	3/4	TF3459x14	1-3/16-12	.906	.719	1.42	2.06	1-3/8
1	1	TF3459x20	1-5/16-12	1.125	.844	1.62	2.17	1-5/8
1-1/4	1-1/4	TF3459x20	1-5/8-12	1.468	1.078	1.70	2.38	2
1-1/2	1-1/2	TF3459x24	1-7/8-12	1.703	1.312	2.08	2.58	2-3/8
2	2	TF3459x32	2-1/2-12	2.180	1.781	2.39	3.02	2-7/8