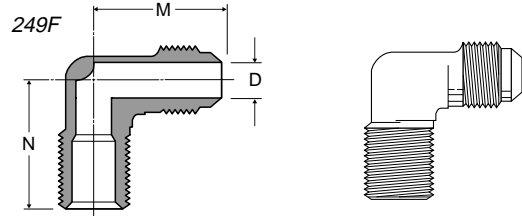
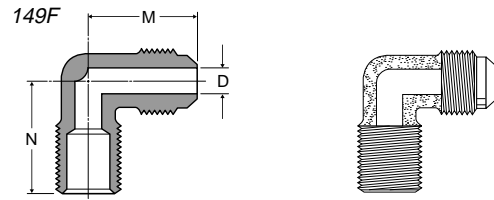


**Male Elbow 149F-249F**

Ref. SAE 010202 \*Thread Protectors

PART NO.	TUBE SIZE	PIPE THREAD	STRAIGHT THREAD	M	N	FLOW DIA. D
149F-2-2	1/8	1/8	5/16-24	.63	.73	.079
149F-3-2	3/16	1/8	3/8-24	.75	.75	.126
249F-3-2	3/16	1/8	3/8-24	.73	.73	.126
149F-4-2	1/4	1/8	7/16-20	.79	.76	.189
249F-4-2	1/4	1/8	7/16-20	.79	.76	.189
149F-4-4	1/4	1/4	7/16-20	.89	.92	.189
249F-4-4	1/4	1/4	7/16-20	.89	.92	.189
149F-4-6	1/4	3/8	7/16-20	.92	1.01	.189
249F-4-6	1/4	3/8	7/16-20	.92	1.01	.189
149F-5-2	5/16	1/8	1/2-20	.90	.79	.220
249F-5-2	5/16	1/8	1/2-20	.89	.77	.220
149F-5-4	5/16	1/4	1/2-20	.92	.95	.220
249F-5-4	5/16	1/4	1/2-20	.95	.92	.220
149F-5-6	5/16	3/8	1/2-20	.98	1.01	.219
149F-6-2	3/8	1/8	5/8-18	1.01	.90	.220
249F-6-2	3/8	1/8	5/8-18	1.01	.89	.220
149F-6-4	3/8	1/4	5/8-18	1.01	1.05	.283
249F-6-4	3/8	1/4	5/8-18	.98	1.04	.283
149F-6-6	3/8	3/8	5/8-18	1.04	1.07	.281
249F-6-6	3/8	3/8	5/8-18	1.04	1.07	.283
149F-6-8	3/8	1/2	5/8-18	1.15	1.27	.281
249F-6-8	3/8	1/2	5/8-18	1.14	1.26	.283
149F-6-12	3/8	3/4	5/8-18	1.25	1.38	.283
149F-8-4	1/2	1/4	3/4-16	1.20	1.17	.312
149F-8-6	1/2	3/8	3/4-16	1.20	1.09	.408
249F-8-6	1/2	3/8	3/4-16	1.20	1.10	.408
149F-8-8	1/2	1/2	3/4-16	1.28	1.38	.408
249F-8-8	1/2	1/2	3/4-16	1.26	1.36	.408
149F-8-12	1/2	3/4	3/4-16	1.38	1.38	.408
149F-10-6	5/8	3/8	7/8-14	1.41	1.25	.408
149F-10-8	5/8	1/2	7/8-14	1.40	1.39	.502
249F-10-8	5/8	1/2	7/8-14	1.39	1.36	.502
149F-10-12	5/8	3/4	7/8-14	1.42	1.48	.502
149F-12-8*	3/4	1/2	1-1/16-14	1.60	1.48	.564
149F-12-12*	3/4	3/4	1-1/16-14	1.59	1.62	.625
149F-14-12	7/8	3/4	1-1/4-12	1.73	1.67	.751

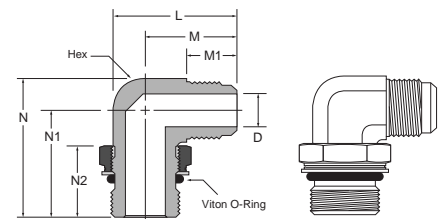


**D**

**Flare Elbow to Metric Adaptor 149F-X-MIX**

PART NUMBER	TUBE SIZE	METRIC THREAD	HEX	L	M	M1	N	N1	N2	D
149F-10-MI27	5/8	M27 x 2.0	7/8	1.95	1.46	.88	2.12	1.63	1.09	.50

Note: Viton o-ring is standard



**Flare Elbow to Straight Thread 1495F**

PART NO.	TUBE SIZE	STRAIGHT THREAD	HEX	L	N	M	FLOW DIA. D
1495F-12-8	3/4	3/4-16	7/8	1.60	1.60	.52	.398
1495F-12-12	3/4	3/4-16	1 1/4	1.59	2.12	.71	.616

