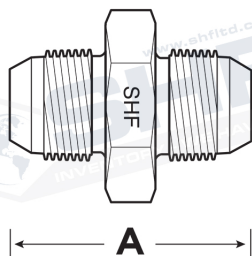
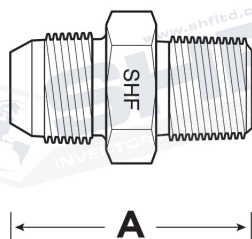


2403 - LH - Male JIC x Male JIC (LARGE HEX) - Straight



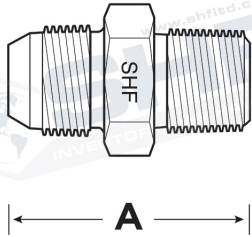
PART NO	MJ-1	MJ-2	THREAD-1	THREAD-2	A
2403-LH-02-03	1/8	3/16	5/16-24	3/8-24	1.172
2403-LH-02-04	1/8	1/4	5/16-24	7/16-20	1.250
2403-LH-03-03	3/16	3/16	3/8-24	3/8-24	1.217
2403-LH-04-04	1/4	1/4	7/16-20	7/16-20	1.371
2403-LH-04-06	1/4	3/8	7/16-20	9/16-18	1.407
2403-LH-04-08	1/4	1/2	7/16-20	3/4-16	1.508
2403-LH-05-05	5/16	5/16	1/2-20	1/2-20	-
2403-LH-05-06	5/16	3/8	1/2-20	9/16-18	1.400
2403-LH-06-02	3/8	1/8	9/16-18	5/16-24	-
2403-LH-06-06	3/8	3/8	9/16-18	9/16-18	1.410
2403-LH-06-08	3/8	1/2	9/16-18	3/4-16	1.541
2403-LH-06-12	3/8	3/4	9/16-20	1 1/16-12	1.850
2403-LH-08-08	1/2	1/2	3/4-16	3/4-16	1.651
2403-LH-08-10	1/2	5/8	3/4-16	7/8-14	1.753
2403-LH-08-12	1/2	3/4	3/4-16	1 1/16-12	1.950
2403-LH-10-04	5/8	1/4	7/8-14	7/16-20	1.668
2403-LH-10-10	5/8	5/8	7/8-14	7/8-14	1.839
2403-LH-12-04	3/4	1/4	1 1/16-12	7/16-20	1.791
2403-LH-12-12	3/4	3/4	1 1/16-12	1-1/16-12	2.102
2403-LH-12-16	3/4	1	1 1/16-12	1 5/16-12	2.160
2403-LH-16-06	1	3/8	1 5/16-12	9/16-18	-
2403-LH-16-16	1	1	1 5/16-12	1 5/16-12	2.109
2403-LH-20-20	1-1/4	1-1/4	1 5/8-12	1-5/8-12	2.430
2403-LH-24-24	1-1/4	1-1/4	1 5/8-12	1-5/8-12	2.430

2404 - Male JIC x Male NPT - Straight



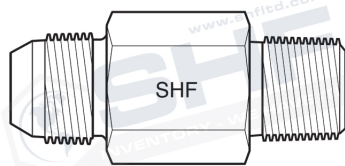
PART NO	MJ-1	MP-2	THREAD-1 JIC	THREAD-2 NPT	A
2404-02-02	1/8	1/8	5/16-24	1/8-27	1.114
2404-02-04	1/8	1/4	5/16-24	1/4-18	1.299
2404-03-02	3/16	1/8	3/8-24	1/8-27	1.154
2404-03-04	3/16	1/4	3/8-24	1/4-18	-
2404-04-02	1/4	1/8	7/16-20	1/8-27	1.218
2404-04-04	1/4	1/4	7/16-20	1/4-18	1.415
2404-04-06	1/4	3/8	7/16-20	3/8-18	1.420
2404-04-08	1/4	1/2	7/16-20	1/2-14	1.655
2404-04-12	1/4	3/4	7/16-20	3/4-14	1.750
2404-05-02	5/16	1/8	1/2-20	1/8-27	1.221
2404-05-04	5/16	1/4	1/2-20	1/4-18	1.443
2404-05-06	5/16	3/8	1/2-20	9/16-18	1.434

2404 - Male JIC x Male NPT - Straight (CONTINUED)



PART NO	MJ-1	MP-2	THREAD-1	THREAD-2	A
2404-06-02	3/8	1/8	9/16-18	1/8-27	1.258
2404-06-04	3/8	1/4	9/16-18	1/4-18	1.448
2404-06-06	3/8	3/8	9/16-18	3/8-18	1.437
2404-06-08	3/8	1/2	9/16-18	1/2-14	1.691
2404-06-12	3/8	3/4	9/16-18	3/4-14	1.750
2404-06-16	3/8	1	9/16-18	1 5/16-12	1.940
2404-08-04	1/2	1/4	3/4-16	1/4-18	1.534
2404-08-06	1/2	3/8	3/4-16	3/8-18	1.580
2404-08-08	1/2	1/2	3/4-16	1/2-14	1.802
2404-08-12	1/2	3/4	3/4-16	3/4-14	1.846
2404-08-16	1/2	1	3/4-16	1-11 1/2	2.038
2404-10-06	5/8	3/8	7/8-14	3/8-18	1.673
2404-10-08	5/8	1/2	7/8-14	1/2-14	1.869
2404-10-12	5/8	3/4	7/8-14	3/4-14	1.953
2404-12-06	3/4	3/8	1 1/16-12	3/8-18	1.870
2404-12-08	3/4	1/2	1 1/16-12	1/2-14	1.995
2404-12-12	3/4	3/4	1 1/16-12	3/4-14	2.065
2404-12-16	3/4	1	1 1/16-12	1-11 1/2	2.244
2404-12-20	3/4	1 1/4	1 1/16-12	1 1/4-11 1/2	2.360
2404-12-24	3/4	1 1/2	1 1/16-12	1 1/2-11 1/2	2.450
2404-14-12	7/8	3/4	1 3/16-12	3/4-14	2.088
2404-14-16	7/8	1	1 3/16-12	1-11 1/2	2.240
2404-16-08	1	1/2	1 5/16-12	1/2-14	2.120
2404-16-12	1	3/4	1 5/16-12	3/4-14	2.136
2404-16-16	1	1	1 5/16-12	1-11 1/2	2.305
2404-16-20	1	1 1/4	1 5/16-12	1 1/4-11 1/2	2.409
2404-16-24	1	1 1/2	1 5/16-12	1 1/2-11 1/2	2.506
2404-20-16	1 1/4	1	1 5/8-12	1-11 1/2	2.377
2404-20-20	1 1/4	1 1/4	1 5/8-12	1 1/4-11 1/2	2.493
2404-20-24	1 1/4	1 1/2	1 5/8-12	1 1/2-11 1/2	2.558
2404-20-32	1 1/4	2	1 5/8-12	2-11 1/2	2.743
2404-24-16	1 1/2	1	1 7/8-12	1-11 1/2	2.622
2404-24-20	1 1/2	1 1/4	1 7/8-12	1 1/4-11 1/2	2.641
2404-24-24	1 1/2	1 1/2	1 7/8-12	1 1/2-11 1/2	2.692
2404-24-32	1 1/2	2	1 7/8-12	2-11 1/2	3.052
2404-32-24	2	1 1/2	2 1/2-12	1 1/2-11 1/2	3.069
2404-32-32	2	2	2 1/2-12	2-11 1/2	3.105
2404-40-40	2-1/2	2-1/2	3-12	2 1/2-8	3.374
2404-48-48	3	3	3 1/2-12	3-8	3.500

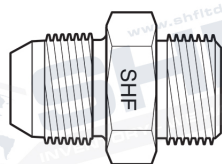
2404-L Male JIC x Male NPT - Straight



PART NO.	MJ-1	MP-2	THREAD-1	THREAD-2	A
2404-L-04-04	1/4	1/4	7/16-20	1/4-18	-
2404-L-06-04	3/8	1/4	9/16-18	1/4-18	-
2404-L-06-06	3/8	3/8	9/16-18	3/8-18	-
2404-L-08-08	1/2	1/2	3/4-16	1/2-14	-
2404-L-12-12	3/4	3/4	1 1/16-12	3/4-14	-
2404-L-16-16	1	1	1 5/16-12	1 - 1 1/2	-

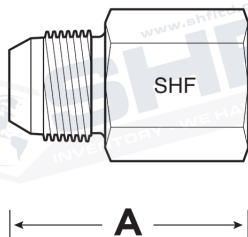


2404 - Male JIC x Male BSPP - Straight



PART NO.	MJ-1	BSPP-2	THREAD-1	THREAD-2	A
2404-04-02BSPP	1/4	1/8	7/16-20	1/8-28	1.388
2404-04-04BSPP	1/4	1/4	7/16-20	1/4-19	1.285
2404-04-06BSPP	1/4	3/8	7/16-20	3/8-19	1.418
2404-04-08BSPP	1/4	1/2	7/16-20	1/2-14	1.638
2404-06-04BSPP	3/8	1/4	9/16-18	1/4-19	1.387
2404-06-06BSPP	3/8	3/8	9/16-18	3/8-19	1.469
2404-06-08BSPP	3/8	1/2	9/16-18	1/2-14	1.430
2404-08-04BSPP	1/2	1/4	3/4-16	1/4-19	1.458
2404-08-06BSPP	1/2	3/8	3/4-16	3/8-19	1.567
2404-08-08BSPP	1/2	1/2	3/4-16	1/2-14	1.631
2404-08-10BSPP	1/2	5/8	3/4-16	5/8-14	1.818
2404-08-12BSPP	1/2	3/4	3/4-16	3/4-14	1.861
2404-10-08BSPP	5/8	1/2	7/8-14	1/2-14	1.736
2404-10-10BSPP	5/8	5/8	7/8-14	5/8-14	1.761
2404-10-12BSPP	5/8	3/4	7/8-14	3/4-14	1.787
2404-12-08BSPP	3/4	1/2	1 1/16-12	1/2-14	1.990
2404-12-10BSPP	3/4	5/8	1 1/16-12	5/8-14	1.833
2404-12-12BSPP	3/4	3/4	1 1/16-12	3/4-14	1.989
2404-12-16BSPP	3/4	1	1 1/16-12	1-11	2.252
2404-16-12BSPP	1	3/4	1 5/16-12	3/4-14	2.012
2404-16-16BSPP	1	1	1 5/16-12	1-11	2.110
2404-16-20BSPP	1	1 1/4	1 5/16-12	1 1/4-11	2.213
2404-20-20BSPP	1 1/4	1 1/4	1 5/8-12	1 1/4-11	2.248
2404-24-24BSPP	1 1/2	1 1/2	1 7/8-12	1 1/2-11	2.389
2404-32-32BSPP	2	2	2 1/2-12	2-11	-
2404-40-40BSPP	2 1/2	2 1/2	3-12	2 1/2-11	-
2404-48-48BSPP	3	3	3 1/2-12	3-11	-

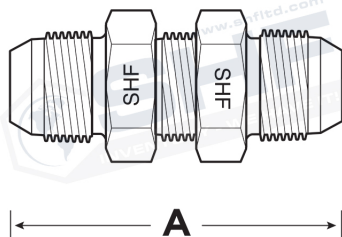
2405 - Male JIC x Female NPT - Straight



PART NO.	MJ-1	FP-2	THREAD-1	THREAD-2	A
2405-02-02	1/8	1/8	5/16-24	1/8-27	1.135
2405-02-04	1/8	1/4	5/16-24	1/4-18	-
2405-03-02	3/16	1/8	3/8-24	1/8-27	1.125
2405-04-02	1/4	1/8	7/16-20	1/8-27	1.184
2405-04-04	1/4	1/4	7/16-20	1/4-18	1.389
2405-04-06	1/4	3/8	7/16-20	3/8-18	1.450
2405-04-08	1/4	1/2	7/16-20	1/2-14	1.678
2405-05-04	5/16	1/4	1/2-20	1/4-18	1.335
2405-05-06	5/16	3/8	1/2-20	3/8-18	1.450
2405-06-04	3/8	1/4	9/16-18	1/4-18	1.405
2405-06-06	3/8	3/8	9/16-18	3/8-18	1.460
2405-06-08	3/8	1/2	9/16-18	1/2-14	1.704
2405-06-12	3/8	3/4	9/16-18	3/4-14	-
2405-08-04	1/2	1/4	3/4-16	1/4-18	1.521
2405-08-06	1/2	3/8	3/4-16	3/8-18	1.552
2405-08-08	1/2	1/2	3/4-16	1/2-14	1.740
2405-08-12	1/2	3/4	3/4-16	3/4-14	1.885
2405-10-04	5/8	1/4	7/8-14	1/4-18	1.760
2405-10-08	5/8	1/2	7/8-14	1/2-14	1.891
2405-10-12	5/8	3/4	7/8-14	3/4-14	1.950
2405-12-08	3/4	1/2	1 1/16-12	1/2-14	2.055
2405-12-12	3/4	3/4	1 1/16-12	3/4-14	2.061
2405-12-16	3/4	1	1 1/16-12	1-11 1/2	2.300
2405-16-08	1	1/2	1 5/16-12	1/2-14	2.125
2405-16-12	1	3/4	1 5/16-12	3/4-14	2.093
2405-16-16	1	1	1 5/16-12	1-11 1/2	2.355
2405-16-20	1	1-1/4	1 5/16-12	1 1/4-11 1/2	2.440
2405-16-24	1	1-1/2	1 5/16-12	1 1/2-11 1/2	2.455
2405-20-16	1-1/4	1	1 5/8-12	1-11 1/2	2.391
2405-20-20	1-1/4	1-1/4	1 5/8-12	1 1/4-11 1/2	2.470
2405-20-24	1-1/4	1-1/2	1 5/8-12	1 1/2-11 1/2	2.490
2405-24-20	1-1/2	1-1/4	1 7/8-12	1 1/4-11 1/2	2.616
2405-24-24	1-1/2	1-1/2	1 7/8-12	1 1/2-11 1/2	2.632
2405-32-32	2	2	2-1/2-12	2-11 1/2	2.976

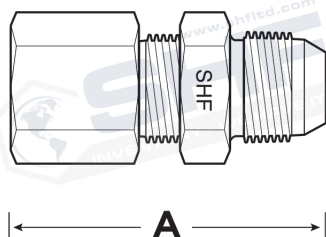


2700 - Male JIC x Male JIC Bulkhead - Straight



PART NO	MJ-1	MJ-2	THREAD-1	THREAD-2	A
2700-02-02	1/8	1/8	5/16-24	5/16-24	1.831
2700-02-04	1/8	1/4	5/16-24	7/16-20	-
2700-03-03	3/16	3/16	3/8-24	3/8-24	-
2700-04-04	1/4	1/4	7/16-20	7/16-20	2.069
2700-05-05	5/16	5/16	1/2-20	1/2-20	2.070
2700-06-06	3/8	3/8	9/16-18	9/16-18	2.195
2700-08-08	1/2	1/2	3/4-16	3/4-16	2.477
2700-10-10	5/8	5/8	7/8-14	7/8-14	2.750
2700-12-12	3/4	3/4	1-1/16-12	1-1/16-12	3.030
2700-16-16	1	1	1-5/16-12	1-5/16-12	3.153
2700-20-20	1-1/4	1-1/4	1-5/8-12	1-5/8-12	3.318
2700-24-24	1-1/2	1-1/2	1-7/8-12	1-7/8-12	3.524
2700-32-32	2	2	2-1/2-12	2-1/2-12	4.210

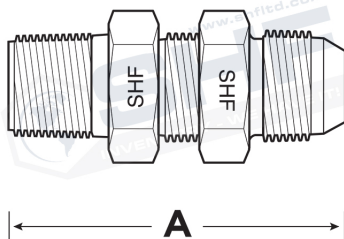
2705 - Female NPT x Male JIC Bulkhead - Straight



PART NO	FP-1	MJ-2	THREAD-1	THREAD-2	A
2705-04-04	1/4	1/4	1/4-18	7/16-20	2.094
2705-04-06	1/4	3/8	1/4-18	9/16-18	1.990
2705-06-06	3/8	3/8	3/8-18	9/16-18	2.227
2705-06-08	3/8	1/2	3/8-18	3/4-16	2.353
2705-08-06	1/2	3/8	3/4-16	9/16-18	-
2705-08-08	1/2	1/2	7/16-20	3/4-16	2.513
2705-08-10	1/2	5/8	1/2-14	7/8-14	2.837
2705-12-12	3/4	3/4	3/4-14	1-1/16-12	2.974
2705-16-16	1	1	1-11/16-12	1-5/16-12	3.231
2705-20-20	1-1/4	1-1/4	1-1/4-11 1/2	1-5/8-12	3.203
2705-24-24	1-1/2	1-1/2	1-1/2-11 1/2	1-7/8-12	3.286

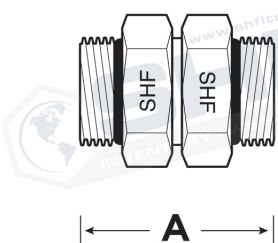


2706 - Male NPT x Male JIC Bulkhead - Straight



PART NO	MP-1	MJ-2	THREAD-1	THREAD-2	A
2706-04-04	1/4	1/4	1/4-18	7/16-20	2.043
2706-04-06	1/4	3/8	1/4-16	9/16-18	2.150
2706-06-04	3/8	1/4	3/8-18	7/16-20	2.071
2706-06-06	3/8	3/8	3/8-18	9/16-18	2.192
2706-08-08	1/2	1/2	7/16-20	3/4-16	2.573
2706-08-10	1/2	5/8	1/2-14	7/8-14	2.720
2706-12-12	3/4	3/4	3/4-14	1 1/16-12	2.920
2706-12-16	3/4	1	3/4-14	1 5/16-12	-
2706-16-16	1	1	1-11 1/2	1 5/16-12	3.109
2706-20-20	1 1/4	1 1/4	1 1/4-11 1/2	1 5/8-12	3.297
2706-24-24	1 1/2	1 1/2	1 1/2-11 1/2	1 7/8-12	3.468
2706-32-32	2	2	2-11 1/2	2 1/2-12	3.846

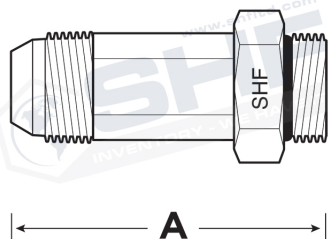
3474- Male Adjustable ORB x Male ORB - Straight



PART NO	MB-1	MB-2	THREAD-1	THREAD-2	A
3474-04-04	3/8	1/4	7/16-20	7/16-20	1.370
3474-06-06	1/2	3/8	9/16-18	9/16-18	1.500
3474-08-08	5/8	1/2	3/4-16	3/4-16	1.577
3474-10-10	3/4	5/8	7/8-14	7/8-14	1.908
3474-12-12	1	3/4	1 1/16-12	1 1/16-12	2.330
3474-16-16	1	1	1 5/16-12	1 5/16-12	2.139
3474-20-20	1	1 1/4	1 5/8-12	1 5/8-12	2.157
3474-24-24	1 1/4	1 1/2	1 7/8-12	1 7/8-12	2.121
3474-32-32	1 1/2	2	2 1/2-12	2 1/2-12	2.590

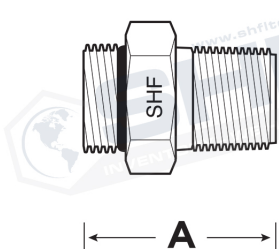


6400-L - Male JIC x Male ORB Long - Straight



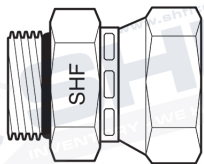
PART NO	MJ-1	MB-2	THREAD-1	THREAD-2	A
6400-L-04-04	1/4	1/4	7/16-20	7/16-20	2.080
6400-L-06-06	3/8	3/8	9/16-18	9/16-18	2.310
6400-L-08-08	1/2	1/2	3/4-16	3/4-16	2.700
6400-L-10-12	5/8	3/4	7/8-14	1 1/16-12	-
6400-L-12-12	3/4	3/4	1 1/16-12	1 1/16-12	3.610
6400-L-16-16	1	1	1 5/16-12	1 5/16-12	3.980
6400-L-20-20	1 1/4	1 1/4	1 5/8-12	1 5/8-12	4.690

6401 - Male NPT x Male ORB - Straight



PART NO	MB-1	MP-2	THREAD-1	THREAD-2	A
6401-02-04	1/8	1/4	5/16-24	1/4-18	-
6401-03-02	3/16	1/8	3/8-24	1/8-27	-
6401-04-02	1/4	1/8	7/16-20	1/8-27	1.050
6401-04-04	1/4	1/4	7/16-20	1/4-18	1.286
6401-05-04	5/16	1/4	1/2-20	1/4-18	1.160
6401-06-04	3/8	1/4	9/16-18	1/4-18	1.241
6401-06-06	3/8	3/8	9/16-18	3/8-18	1.300
6401-08-04	1/2	1/4	3/4-16	1/4-18	1.356
6401-08-06	1/2	3/8	3/4-16	3/8-18	1.360
6401-08-08	1/2	1/2	3/4-16	1/2-14	1.604
6401-10-08	5/8	1/2	7/8-14	1/2-14	1.698
6401-10-12	5/8	3/4	7/8-14	3/4-14	1.760
6401-12-08	3/4	1/2	1 1/16-12	1/2-14	1.875
6401-12-12	3/4	3/4	1 1/16-12	3/4-14	1.872
6401-12-16	3/4	1	1 1/16-12	1-11 1/2	-
6401-16-08	1	1/2	1 5/16-12	1/2-14	1.784
6401-16-12	1	3/4	1 5/16-12	3/4-14	1.786
6401-16-16	1	1	1 5/16-12	1-11 1/2	1.886
6401-20-20	1 1/4	1 1/4	1 5/8-12	1 1/4-11 1/2	2.027
6401-24-24	1 1/2	1 1/2	1 7/8-12	1 1/2-11	2.281
6401-32-32	2	2	2 1/2-12	2-11 1/2	2.471
6401-40-40	2 1/2	2 1/2	3-12	2 1/2-8	-

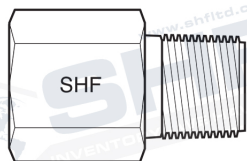
6402 - Male ORB x Female JIC - Straight



← **A** →

PART NO	MJ-1	BSPT-2	THREAD-1	THREAD-2	A
2404-04-02BSPT	1/4	1/8	7/16-20	1/8-28	1.395
2404-04-04BSPT	1/4	1/4	7/16-20	1/4-19	1.316
2404-06-04BSPT	3/8	1/4	9/16-18	1/4-19	-
2404-06-06BSPT	3/8	3/8	9/16-18	3/8-19	1.447
2404-08-06BSPT	1/2	3/8	3/4-16	3/8-19	1.457
2404-08-08BSPT	1/2	1/2	3/4-16	1/2-14	1.598
2404-12-12BSPT	3/4	3/4	1 1/16-12	3/4-14	1.963
2404-16-16BSPT	1	1	1 5/16-12	1-11	2.049
2404-20-20BSPT	1 1/4	1 1/4	1 5/8-12	1 1/4-11	2.450
2404-24-24BSPT	1 1/2	1 1/2	1 7/8-12	1 1/2-11	2.612
2404-32-32BSPT	2	2	2 1/2-12	2-11	-

6404 - Female ORB x Male NPT - Straight

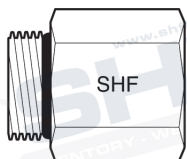


← **A** →

PART NO	FB-1	MP-2	THREAD-1	THREAD-2	A
6404-04-04	1/4	1/4	7/16-20	1/4-18	1.310
6404-04-06	1/4	3/8	7/16-20	3/8-18	1.310
6404-05-04	5/16	1/4	9/16-18	1/4-18	1.310
6404-06-04	3/8	1/4	9/16-18	1/4-18	1.350
6404-06-06	3/8	3/8	9/16-18	3/8-18	1.380
6404-08-06	1/2	3/8	3/4-16	3/8-18	1.460
6404-08-08	1/2	1/2	3/4-16	1/2-14	1.691
6404-10-08	5/8	1/2	7/8-14	1/2-14	1.767
6404-10-12	5/8	3/4	7/8-14	3/4-14	1.740
6404-12-12	3/4	3/4	1 1/16-12	3/4-14	1.970
6404-12-16	3/4	1	1 1/16-12	1-11 1/2	2.100
6404-16-16	1	1	1 5/16-12	1-11 1/2	2.160
6404-20-20	1 1/4	1 1/4	1 5/8-12	1 1/4-11 1/2	2.250
6404-24-24	1 1/2	1 1/2	1 7/8-12	1 1/2-11 1/2	-



6405 - Male ORB x Female NPT - Straight

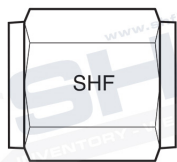


← A →

PART NO	MB-1	FP-2	THREAD-1	THREAD-2	A
6405-02-02	1/8	1/8	5/16-24	1/8-27	-
6405-04-02	1/4	1/8	7/16-20	1/8-27	0.970
6405-04-04	1/4	1/4	7/16-20	1/4-18	1.287
6405-06-04	3/8	1/4	9/16-18	1/4-18	1.180
6405-06-06	3/8	3/8	9/16-18	3/8-18	1.351
6405-06-08	3/8	1/2	9/16-18	1/2-14	1.603
6405-08-02	1/2	1/8	3/4-16	1/8-27	1.444
6405-08-04	1/2	1/4	3/4-16	1/4-18	1.020
6405-08-06	1/2	3/8	3/4-16	3/8-18	1.260
6405-08-08	1/2	1/2	3/4-16	1/2-14	1.448
6405-08-12	1/2	3/4	3/4-16	3/4-14	-
6405-10-04	5/8	1/4	7/8-14	1/4-18	0.930
6405-10-06	5/8	3/8	7/8-14	3/8-18	1.280
6405-10-08	5/8	1/2	7/8-14	1/2-14	1.550
6405-10-12	5/8	3/4	7/8-14	3/4-12	1.640
6405-12-04	3/4	1/4	1 1/16-12	1/4-18	1.090
6405-12-06	3/4	3/8	1 1/16-12	3/8-18	1.090
6405-12-08	3/4	1/2	1 1/16-12	1/2-14	1.347
6405-12-12	3/4	3/4	1 1/16-12	3/4-14	1.765
6405-12-16	3/4	1	1 1/16-12	1-11 1/2	-
6405-14-08	7/8	1/2	1 3/16-12	1/2-14	0.998
6405-14-12	7/8	3/4	1 3/16-12	3/4-14	-
6405-16-08	1	1/2	1 5/16-12	1/2-14	1.646
6405-16-12	1	3/4	1 5/16-12	3/4-14	1.804
6405-16-16	1	1	1 5/16-12	1-11 1/2	2.149
6405-16-20	1	1 1/4	1 5/16-12	1 1/4-11 1/2	-
6405-20-12	1 1/4	3/4	1 5/8-12	3/4-14	1.192
6405-20-16	1 1/4	1	1 5/8-12	1-11 1/2	1.844
6405-20-20	1 1/4	1 1/4	1 5/8-12	1 1/4-11 1/2	1.950
6405-24-12	1 1/2	3/4	1 7/8-12	3/4-14	1.011
6405-24-16	1 1/2	1	1 7/8-12	1-11 1/2	1.270
6405-24-20	1 1/2	1 1/4	1 7/8-12	1 1/4-11 1/2	1.859
6405-24-24	1 1/2	1 1/2	1 7/8-12	1 1/2-11 1/2	2.281
6405-32-32	2	2	2 1/2-12	2-11 1/2	2.060



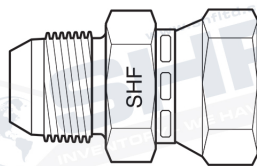
6425 - Female ORB x Female ORB - Straight



← A →

PART NO	FB-1	FB-2	THREAD-1	THREAD-2	A
6425-02-02	1/8	1/8	5/16-24	5/16-24	-
6425-04-04	1/4	1/4	7/16-20	7/16-20	1.131
6425-06-06	3/8	3/8	9/16-18	9/16-18	1.261
6425-08-08	1/2	1/2	3/4-16	3/4-16	1.417
6425-10-10	5/8	5/8	7/8-14	7/8-14	-
6425-12-12	3/4	3/4	1 1/16-12	1 1/16-12	-
6425-16-16	1	1	1-5/16-12	1-5/16-12	1.850
6425-20-20	1-1/4	1-1/4	1-5/8-12	1-5/8-12	1.850
6425-24-24	1-1/2	1-1/2	1-7/8-12	1-7/8-12	1.846
6425-32-32	2	2	2-1/2-12	2-1/2-12	-

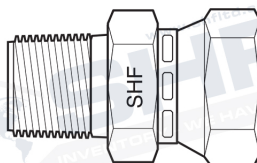
6504 - Male JIC x Female JIC Swivel - Straight



← A →

PART NO	MJ-1	FJ-2	THREAD-1	THREAD-2	A
6504-04-04	1/4	1/4	7/16-20	7/16-20	1.381
6504-06-06	3/8	3/8	9/16-18	9/16-18	1.551
6504-08-08	1/2	1/2	3/4-16	3/4-16	1.733
6504-10-10	5/8	5/8	7/8-14	7/8-14	-
6504-12-12	3/4	3/4	1 1/16-12	1 1/16-12	2.215
6504-16-16	1	1	1 5/16-12	1 5/16-12	2.380
6504-20-20	1 1/4	1 1/4	1 5/8-12	1 5/8-12	2.700
6504-24-24	1 1/2	1 1/2	1 7/8-12	1 7/8-12	3.080
6504-32-32	2	2	2 1/2-12	2 1/2-12	3.570

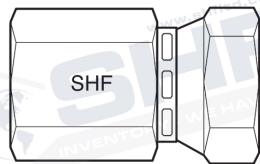
6505 - Male NPT x Female JIC Swivel - Straight



← A →

PART NO	MP-1	FJ-2	THREAD-1	THREAD-2	A
6505-04-02	1/4	1/8	1/4-18	5/16-24	-
6505-04-04	1/4	1/4	1/4-18	7/16-20	1.468
6505-04-05	1/4	5/16	1/4-18	1/2-20	1.590
6505-04-06	1/4	3/8	1/4-18	9/16-18	1.627
6505-06-04	3/8	1/4	3/8-18	7/16-20	1.380
6505-06-06	3/8	3/8	3/8-18	9/16-18	1.677
6505-06-08	3/8	1/2	3/8-18	3/4-16	1.730
6505-08-06	1/2	3/8	1/2-14	9/16-18	1.770
6505-08-08	1/2	1/2	1/2-14	3/4-16	1.812
6505-08-10	1/2	5/8	1/2-14	7/8-14	2.272
6505-12-12	3/4	3/4	3/4-14	1 1/16-12	2.261
6505-16-16	1	1	1-11 1/2	1 5/16-12	2.540
6505-20-20	1-1/4	1-1/4	1 1/4-11 1/2	1 5/8-12	2.668
6505-24-24	1-1/2	1-1/2	1 1/2-11 1/2	1 7/8-12	2.966
6505-32-32	2	2	2-11 1/2	2 1/2-12	3.293

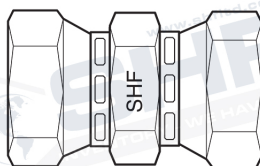
6506 - Female NPT x Female JIC - Straight



← **A** →

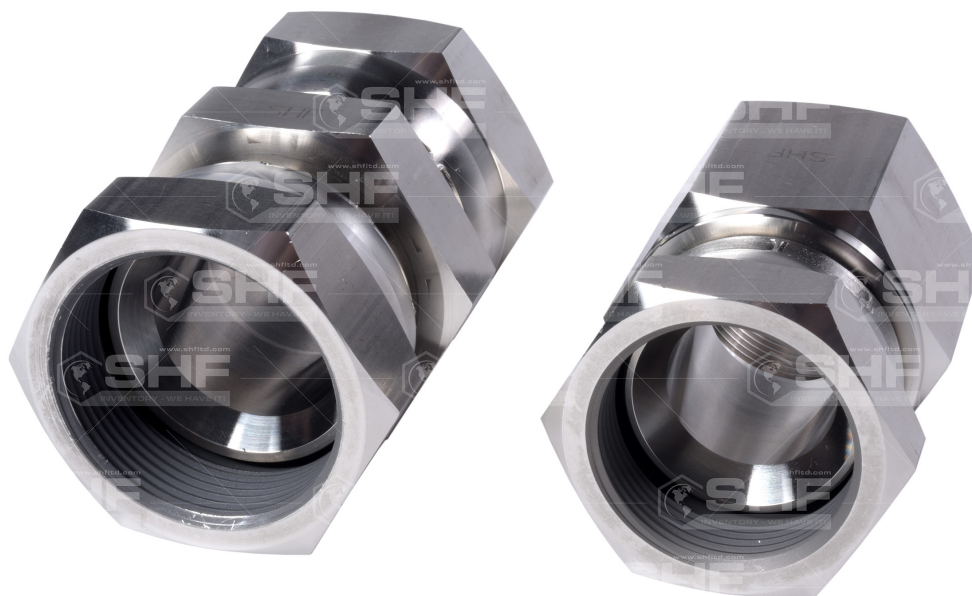
PART NO.	FP-1	FJ-2	THREAD-1	THREAD-2	A
6506-04-04	1/4	1/4	1/4-18	7/16-20	1.330
6506-04-06	1/4	3/8	1/4-18	9/16-18	1.425
6506-06-04	3/8	1/4	3/8-18	7/16-20	1.490
6506-06-06	3/8	3/8	3/8-18	9/16-18	1.557
6506-06-08	3/8	1/2	3/8-18	3/4-16	1.646
6506-08-08	1/2	1/2	1/2-14	3/4-16	1.822
6506-08-10	1/2	5/8	1/2-14	7/8-14	2.068
6506-12-12	3/4	3/4	3/4-14	1 1/16-12	2.105
6506-16-16	1	1	1-11 1/2	1 5/16-12	2.622
6506-20-20	1 1/4	1 1/4	1 1/4-11 1/2	1 5/8-12	2.748
6506-24-24	1 1/2	1 1/2	1 1/2-11	1 7/8-12	2.894
6506-32-32	2	2	2-11 1/2	2 1/2-12	3.440

6565 - Female JIC x Female JIC - Straight

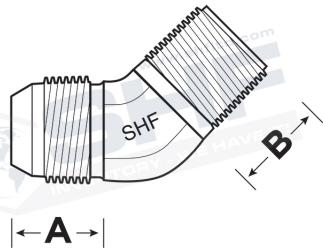


← **A** →

PART NO.	FJ-1	FJ-2	THREAD-1	THREAD-2	A
6565-04-04	1/4	1/4	7/16-20	7/16-20	1.377
6565-06-06	3/8	3/8	9/16-18	9/16-18	1.615
6565-08-08	1/2	1/2	3/4-16	3/4-16	1.840
6565-10-10	5/8	5/8	7/8-14	7/8-14	-
6565-12-12	3/4	3/4	1 1/16-12	1 1/16-12	2.207
6565-16-16	1	1	1 5/16-12	1 5/16-12	2.650
6565-20-20	1 1/4	1 1/4	1 5/8-12	1 5/8-12	-
6565-24-24	1 1/2	1 1/2	1 7/8-12	1 7/8-12	-
6565-32-32	2	2	2 1/2-12	2 1/2-12	3.370

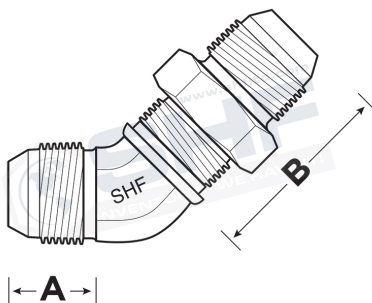


2503 - Male JIC x Male NPT - 45°



PART NO	MJ-1	MP-2	THREAD-1	THREAD-2	A	B
2503-04-02	1/4	1/8	7/16-20	1/8-27	0.743	0.703
2503-04-04	1/4	1/4	7/16-20	1/4-18	0.926	0.952
2503-04-08	1/4	1/2	7/16-20	1/2-14	-	-
2503-06-02	3/8	1/8	9/16-18	1/8-27	0.830	0.670
2503-06-04	3/8	1/4	9/16-18	1/4-18	0.958	0.943
2503-06-06	3/8	3/8	9/16-18	3/8-18	1.071	1.098
2503-06-08	3/8	1/2	9/16-18	1/2-14	0.880	1.170
2503-08-04	1/2	1/4	3/4-16	1/4-18	1.146	1.066
2503-08-06	1/2	3/8	3/4-16	3/8-18	1.029	1.025
2503-08-08	1/2	1/2	3/4-16	1/2-14	1.167	1.291
2503-08-12	1/2	3/4	3/4-16	3/4-14	1.285	1.330
2503-10-08	5/8	1/2	7/8-14	1/2-14	1.282	1.309
2503-12-08	3/4	1/2	1 1/16-12	1/2-14	1.280	1.200
2503-12-12	3/4	3/4	1 1/16-12	3/4-14	1.402	1.392
2503-12-16	3/4	1	1 1/16-12	1-11 1/2	1.420	1.480
2503-16-12	1	3/4	1 5/16-12	3/4-14	1.470	1.290
2503-16-16	1	1	1 5/16-12	1-11 1/2	1.708	1.661
2503-20-20	1-1/4	1-1/4	1 5/8-12	1 1/4-11 1/2	1.828	1.815
2503-24-24	1-1/2	1-1/2	1 7/8-12	1 1/2-11 1/2	1.940	2.104
2503-32-32	2	2	2 1/2-12	2-11 1/2	2.446	2.300

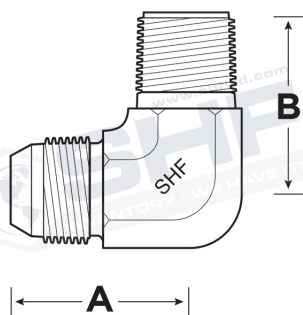
2702 - Male JIC x Male JIC Bulkhead - 45°



PART NO	MJ-1	MJ-2	THREAD-1	THREAD-2	A	B
2702-04-04	1/4	1/4	7/16-20	7/16-20	0.720	1.530
2702-06-06	3/8	3/8	9/16-18	9/16-18	0.941	1.745
2702-08-08	1/2	1/2	3/4-16	3/4-16	1.061	2.035
2702-10-10	5/8	5/8	7/8-14	7/8-14	1.298	2.288
2702-12-12	3/4	3/4	1-1/16-12	1-1/16-12	1.280	2.440
2702-16-16	1	1	1-5/16-12	1-5/16-12	1.470	2.560
2702-20-20	1-1/4	1-1/4	1-5/8-12	1-5/8-12	-	-
2702-24-24	1-1/2	1-1/2	1-7/8-12	1-7/8-12	-	-
2702-32-32	2	2	2-1/2-12	2-1/2-12	2.510	3.071

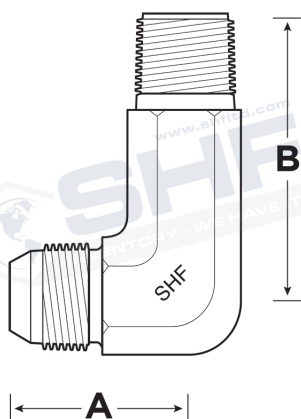


2501 - Male JIC x Male NPT - 90°



PART NO	MJ-1	MP-2	THREAD-1	THREAD-2	A	B
2501-02-02	1/8	1/8	5/16-24	1/8-27	-	-
2501-03-02	3/16	1/8	3/8-24	1/8-27	0.830	0.720
2501-03-04	3/16	1/4	3/8-24	1/4-18	-	-
2501-04-02	1/4	1/8	7/16-20	1/8-27	0.900	0.790
2501-04-04	1/4	1/4	7/16-20	1/4-18	1.067	1.089
2501-04-06	1/4	3/8	7/16-20	3/8-18	1.196	1.216
2501-04-08	1/4	1/2	7/16-20	1/2-14	1.240	1.496
2501-04-12	1/4	3/4	7/16-20	3/4-14	-	-
2501-05-02	5/16	1/8	1/2-20	1/8-27	-	-
2501-05-04	5/16	1/4	1/2-20	1/4-18	1.089	1.065
2501-05-06	5/16	3/8	1/2-20	3/8-18	1.189	1.245
2501-06-02	3/8	1/8	9/16-18	1/8-27	1.078	0.938
2501-06-04	3/8	1/4	9/16-18	1/4-18	1.069	1.079
2501-06-06	3/8	3/8	9/16-18	3/8-18	1.178	1.239
2501-06-08	3/8	1/2	9/16-18	1/2-14	1.279	1.487
2501-08-04	1/2	1/4	3/4-16	1/4-18	1.218	1.206
2501-08-06	1/2	3/8	3/4-16	3/8-18	1.298	1.250
2501-08-08	1/2	1/2	3/4-16	1/2-14	1.378	1.480
2501-08-12	1/2	3/4	3/4-16	3/4-14	1.428	1.601
2501-08-16	1/2	1	3/4-16	1-11 1/2	1.520	1.970
2501-10-08	5/8	1/2	7/8-14	1/2-14	1.460	1.490
2501-10-12	5/8	3/4	7/8-14	3/4-14	1.530	1.591
2501-12-08	3/4	1/2	1 1/16-12	1/2-14	1.677	1.577
2501-12-06	3/4	3/8	1 1/16-12	3/8-18	1.660	1.400
2501-12-12	3/4	3/4	1 1/16-12	3/4-14	1.689	1.618
2501-12-16	3/4	1	1 1/16-12	1-11 1/2	1.822	2.006
2501-16-08	1	1/2	1 5/16-12	1/2-14	1.830	1.803
2501-16-12	1	3/4	1 5/16-12	3/4-14	1.841	1.828
2501-16-16	1	1	1 5/16-12	1-11 1/2	1.839	1.986
2501-16-20	1	1-1/4	1 5/16-12	1 1/4-11 1/2	2.074	2.386
2501-16-24	1	1-1/2	1 5/16-12	1 1/2-11 1/2	2.223	2.654
2501-20-16	1-1/4	1	1 5/8-12	1-11 1/2	2.125	2.362
2501-20-20	1-1/4	1-1/4	1 5/8-12	1 1/4-11 1/2	2.104	2.426
2501-20-24	1-1/4	1-1/2	1 5/8-12	1 1/2-11 1/2	2.300	2.640
2501-24-20	1-1/2	1-1/4	1 7/8-12	1 1/4-11 1/2	2.388	2.592
2501-24-24	1-1/2	1-1/2	1 7/8-12	1 1/2-11 1/2	2.377	2.655
2501-32-32	2	2	2 1/2-12	2-11 1/2	3.114	3.037

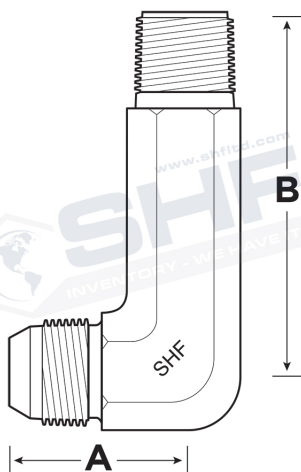
2501-L - Male JIC x Male NPT Long 90°



PART NO	MP-1	MJ-2	THREAD-1	THREAD-2	A	B
2501-L-04-02	1/4	1/8	1/4-18	5/16-24	-	-
2501-L-04-04	1/4	1/4	1/4-18	7/16-20	-	-
2501-L-06-04	3/8	1/4	3/8-18	7/16-20	-	-
2501-L-06-06	3/8	3/8	3/8-18	9/16-18	-	-
2501-L-08-08	1/2	1/2	1/2-14	3/4-16	-	-
2501-L-12-12	3/4	3/4	3/4-14	1 1/16-12	-	-
2501-L-16-16	1	1	1-11 1/2	1 5/16-12	-	-

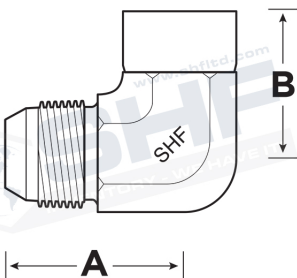
5

2501-LL - Male JIC x Male NPT Extra Long 90°



PART NO	MP-1	MJ-2	THREAD-1	THREAD-2	A	B
2501-LL-04-04	1/4	1/4	1/4-18	7/16-20	-	-
2501-LL-06-04	1/4	3/8	1/4-18	9/16-18	-	-
2501-LL-06-06	3/8	3/8	3/8-18	9/16-18	-	-
2501-LL-08-08	1/2	1/2	1/2-14	3/4-16	2.930	1.343
2501-LL-12-12	3/4	3/4	3/4-14	1-1/16-12	3.347	1.733
2501-LL-16-16	1	1	1-11 1/2	1-5/16-12	4.080	1.834

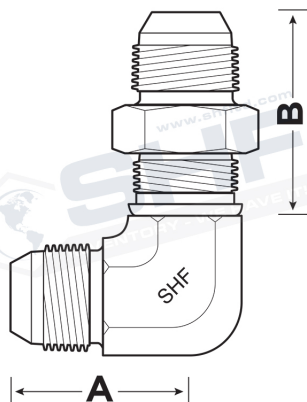
2502 - Male JIC x Female NPT 90°



PART NO	MJ-1	FP-2	THREAD-1	THREAD-2	A	B
2502-02-02	1/8	1/8	5/16-24	1/8-27	-	-
2502-04-02	1/4	1/8	7/16-20	1/8-27	1.084	0.692
2502-04-04	1/4	1/4	7/16-20	1/4-18	1.220	0.880
2502-06-04	3/8	1/4	9/16-18	1/4-18	1.265	0.874
2502-06-06	3/8	3/8	9/16-18	3/8-18	1.368	1.050
2502-08-04	1/2	1/4	3/4-16	1/4-18	1.264	0.909
2502-08-06	1/2	3/8	3/4-16	3/8-18	1.459	1.035
2502-08-08	1/2	1/2	3/4-16	1/2-14	1.691	1.250
2502-10-08	5/8	1/2	7/8-14	1/2-14	1.640	1.230
2502-12-08	3/4	1/2	1 1/16-12	1/2-14	1.686	1.203
2502-12-12	3/4	3/4	1 1/16-12	3/4-14	1.917	1.403
2502-16-16	1	1	1 5/16-12	1-11 1/2	2.180	1.625
2502-20-20	1-1/4	1-1/4	1 5/8-12	1 1/4-11 1/2	2.330	1.700
2502-24-24	1-1/2	1-1/2	1 7/8-12	1 1/2-11 1/2	2.890	2.080
2502-32-32	2	2	2 1/2-12	2-11 1/2	3.259	2.387

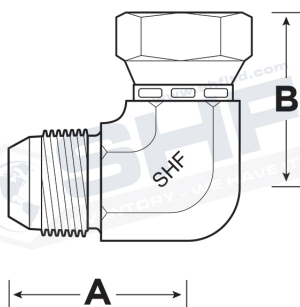
5

2701 - Male JIC x Male JIC Bulkhead 90°



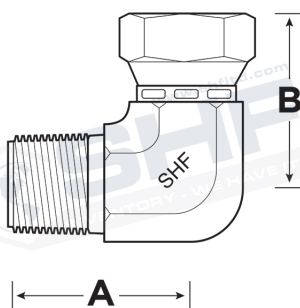
PART NO	MJ-1	MJ-2	THREAD-1	THREAD-2	A	B
2701-02-02	1/8	1/8	5/16-24	5/16-24	0.547	1.416
2701-04-04	1/4	1/4	7/16-20	7/16-20	0.968	1.618
2701-06-06	3/8	3/8	9/16-18	9/16-18	1.123	1.840
2701-08-08	1/2	1/2	3/4-16	3/4-16	1.384	2.156
2701-10-10	5/8	5/8	7/8-14	7/8-14	1.560	2.391
2701-12-12	3/4	3/4	1-1/16-12	1-1/16-12	1.836	2.658
2701-16-16	1	1	1-5/16-12	1-5/16-12	1.986	2.862
2701-20-20	1-1/4	1-1/4	1-5/8-12	1-5/8-12	2.238	3.239
2701-24-24	1-1/2	1-1/2	1-7/8-12	1-7/8-12	2.391	3.470
2701-32-32	2	2	2-1/2-12	2-1/2-12	-	-

6500 - Male JIC x Female JIC 90°



PART NO	MJ-1	FJ-2	THREAD-1	THREAD-2	A	B
6500-03-03	3/16	3/16	3/8-24	3/8-24	-	-
6500-04-04	1/4	1/4	7/16-20	7/16-20	0.912	1.012
6500-05-05	5/16	5/16	1/2-20	1/2-20	1.020	1.060
6500-06-06	3/8	3/8	9/16-18	9/16-18	1.101	1.239
6500-08-08	1/2	1/2	3/4-16	3/4-16	1.292	1.368
6500-10-10	5/8	5/8	7/8-14	7/8-14	1.473	1.579
6500-10-12	5/8	3/4	7/8-14	1 1/16-12	1.568	1.720
6500-12-12	3/4	3/4	2 1/2-12	1 1/16-12	1.674	1.770
6500-16-16	1	1	1 5/16-12	1 5/16-12	1.842	1.976
6500-20-16	1 1/4	1	1 5/8-12	1 5/16-12	-	-
6500-20-20	1 1/4	1 1/4	1 5/8-12	1 5/8-12	2.078	2.254
6500-24-24	1 1/2	1 1/2	1 7/8-12	1 7/8-12	2.330	2.590
6500-32-32	2	2	2 1/2-12	2 1/2-12	3.060	3.380

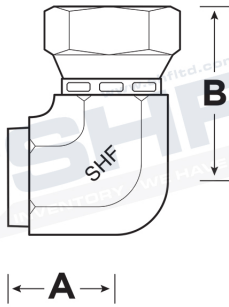
6501 - Male NPT x Female JIC 90°



PART NO	MP-1	FJ-2	THREAD-1	THREAD-2	A	B
6501-04-04	1/4	1/4	1/4-18	7/16-20	1.119	1.119
6501-06-06	3/8	3/8	3/8-18	9/16-18	1.220	1.340
6501-08-08	1/2	1/2	1/2-14	3/4-16	1.499	1.499
6501-12-12	3/4	3/4	3/4-14	1 1/16-12	1.590	1.750
6501-16-16	1	1	1-11 1/2	1 5/16-12	1.970	2.000
6501-20-20	1 1/4	1 1/4	1 1/4-11 1/2	1 5/8-12	2.380	2.310
6501-24-20	1 1/2	1 1/4	1 1/4-11 1/2	1 5/8-12	-	-
6501-24-24	1 1/2	1 1/2	1 1/2-11	1 7/8-12	2.640	2.590
6501-32-32	2	2	2-11 1/2	2 1/2-12	3.000	3.381

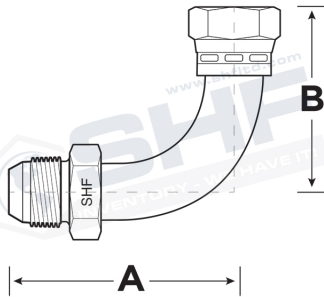


6503 - Female NPT x Female JIC 90° Swivel Connector



PART NO	FP-1	FJ-2	THREAD-1	THREAD-2	A	B
6503-04-04	1/4	1/4	1/4-18	7/16-20	0.856	1.134
6503-06-06	3/8	3/8	3/8-18	9/16-18	0.94	1.380
6503-08-08	1/2	1/2	1/2-14	3/4-16	1.228	1.583
6503-12-12	3/4	3/4	3/4-14	1 1/16-12	1.387	1.917
6503-16-16	1	1	1-11 1/2	1 5/8-12	-	-

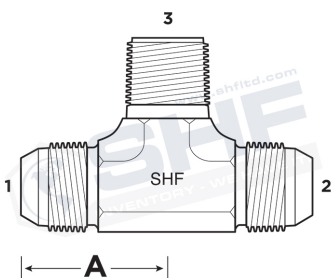
6701 - MJIC x FJIC (Tube Style) 90°



PART NO	THREAD-1	THREAD-2	A	B	C - O.D.	D	E
6701-08-08	3/4 UNF x 16	3/4 UNF x 16	1.823	1.520	0.549	.875	.812
6701-12-12	1-1/16 UNF x 12	1-1/16 UNF x 12	2.606	2.300	0.799	1.250	1.120
6701-16-16	1-5/16 UNF x 12	1-5/16 UNF x 12	3.099	3.150	1.023	1.500	1.374
6701-20-20	1-5/8 UNF x 12	1-5/8 UNF x 12	3.405	3.268	1.259	2.000	1.687
6701-24-24	1-7/8 UNF x 12	1-7/8 UNF x 12	4.638	3.606	1.574	2.250	2.000

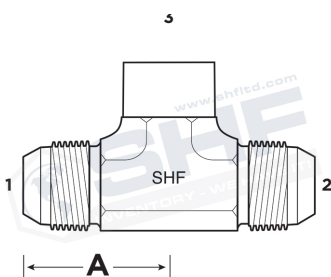


2601 - Male JIC x Male JIC x Male NPT Tee



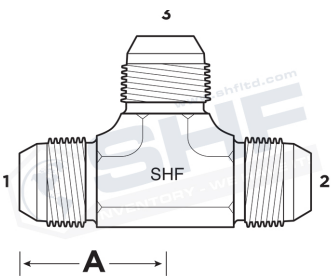
PART NO	MJ-1	MJ-2	MP-3	THREAD-1	THREAD-2	THREAD-3	A	B
2601-02-02-02	1/8	1/8	1/8	5/16-24	5/16-24	1/8-27	0.730	0.692
2601-04-04-02	1/4	1/4	1/8	7/16-20	7/16-20	1/8-27	0.887	0.804
2601-04-04-04	1/4	1/4	1/4	7/16-20	7/16-20	1/4-18	1.092	1.089
2601-04-04-06	1/4	1/4	3/8	7/16-20	7/16-20	3/8-18	1.130	1.220
2601-06-06-04	3/8	3/8	1/4	9/16-18	9/16-18	1/4-18	1.083	1.040
2601-06-06-06	3/8	3/8	3/8	9/16-18	9/16-18	3/8-18	1.172	1.239
2601-08-08-06	1/2	1/2	3/8	3/4-16	3/4-16	3/8-18	1.367	1.486
2601-08-08-08	1/2	1/2	1/2	3/4-16	3/4-16	1/2-14	1.264	1.262
2601-08-08-12	1/2	1/2	3/4	3/4-16	3/4-16	3/4-14	-	-
2601-10-10-08	5/8	5/8	1/2	7/8-14	7/8-14	1/2-14	1.467	1.440
2601-12-12-08	3/4	3/4	1/2	1 1/16-12	1 1/16-12	1/2-14	-	-
2601-12-12-12	3/4	3/4	3/4	1 1/16-12	1 1/16-12	3/4-14	1.669	1.599
2601-16-16-12	1	1	3/4	1 5/16-12	1 5/16-12	3/4-14	-	-
2601-16-16-16	1	1	1	1 5/16-12	1 5/16-12	1-11 1/2	1.870	1.835
2601-20-20-20	1 1/4	1 1/4	1 1/4	1 5/8-12	1 5/8-12	1 1/4-11 1/2	2.062	2.367

2602 - Male JIC x Male JIC x Female NPT Tee



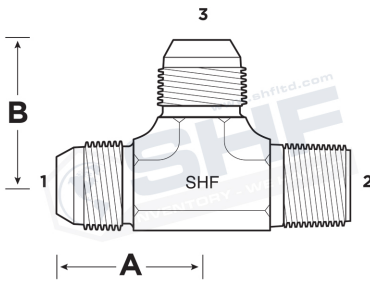
PART NO	MJ-1	MJ-2	FP-3	THREAD-1	THREAD-2	THREAD-3	A	B
2602-02-02-02	1/8	1/8	1/8	5/16-24	5/16-24	1/8-27	1.046	0.651
2602-04-04-02	1/4	1/4	1/8	7/16-20	7/16-20	1/8-27	1.085	0.632
2602-04-04-04	1/4	1/4	1/4	7/16-20	7/16-20	1/4-18	1.220	0.880
2602-06-06-04	3/8	3/8	1/4	9/16-18	9/16-18	1/4-18	1.235	0.899
2602-06-06-06	3/8	3/8	3/8	9/16-18	9/16-18	3/8-18	1.310	1.020
2602-08-08-06	1/2	1/2	3/8	3/4-16	3/4-16	3/8-18	1.459	1.005
2602-08-08-08	1/2	1/2	1/2	3/4-16	3/4-16	1/2-14	1.526	1.288
2602-10-10-08	5/8	5/8	1/2	7/8-14	7/8-14	1/2-14	1.644	1.197
2602-12-12-12	3/4	3/4	3/4	1-1/16-12	1-1/16-12	3/4-14	1.890	1.360
2602-16-16-16	1	1	1	1-5/16-12	1-5/16-12	1-11 1/2	2.203	1.605
2602-20-20-20	1 1/4	1 1/4	1 1/4	1 5/8-12	1 5/8-12	1 1/4-11 1/2	2.330	1.700

2603 - Male JIC x Male JIC x Male JIC Tee



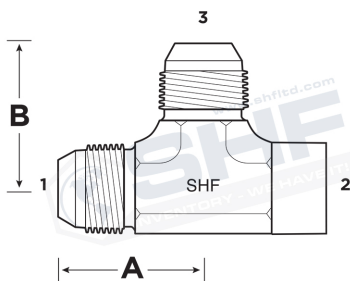
PART NO	MJ-1	MJ-2	MJ-3	THREAD-1	THREAD-2	THREAD-3	A	B
2603-02-02-02	1/8	1/8	1/8	5/16-24	5/16-24	5/16-24	0.695	0.758
2603-03-03-03	3/16	3/16	3/16	3/8-24	3/8-24	3/8-24	0.803	0.758
2603-04-04-04	1/4	1/4	1/4	7/16-20	7/16-20	7/16-20	0.929	0.929
2603-05-05-05	5/16	5/16	5/16	1/2-20	1/2-20	1/2-20	0.931	0.970
2603-06-06-06	3/8	3/8	3/8	9/16-18	9/16-18	9/16-18	1.052	1.052
2603-08-08-08	1/2	1/2	1/2	3/4-16	3/4-16	3/4-16	1.248	1.248
2603-10-10-10	5/8	5/8	5/8	7/8-14	7/8-14	7/8-14	1.471	1.471
2603-12-12-12	3/4	3/4	3/4	1-1/16-12	1-1/16-12	1-1/16-12	1.686	1.686
2603-16-16-16	1	1	1	1-5/16-12	1-5/16-12	1-5/16-12	1.834	1.834
2603-20-20-20	1-1/4	1-1/4	1-1/4	1-5/8-12	1-5/8-12	1-5/8-12	2.061	2.061
2603-24-24-24	1-1/2	1-1/2	1-1/2	1-7/8-12	1-7/8-12	1-7/8-12	2.373	2.373
2603-32-32-32	2	2	2	2-1/2-12	2-1/2-12	2-1/2-12	3.062	3.062

2605 - Male JIC x Male NPT x Male JIC Tee



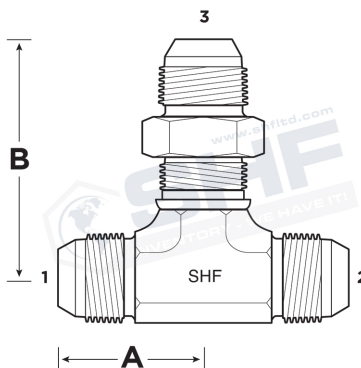
PART NO.	MJ-1	MP-2	MJ-3	THREAD-1	THREAD-2	THREAD-3	A	B
2605-02-02-02	1/8	1/8	1/8	5/16-24	1/8-27	5/16-24	0.752	0.742
2605-04-02-04	1/4	1/8	1/4	7/16-20	1/8-27	7/16-20	0.796	0.924
2605-04-04-04	1/4	1/4	1/4	7/16-20	1/4-18	7/16-20	1.090	1.050
2605-06-04-06	3/8	1/4	3/8	9/16-18	1/4-18	9/16-18	1.090	1.060
2605-06-06-04	3/8	3/8	1/4	9/16-18	3/8-18	7/16-20	-	-
2605-06-06-06	3/8	3/8	3/8	9/16-18	3/8-18	9/16-18	1.238	1.177
2605-08-06-08	1/2	3/8	1/2	3/4-16	3/8-18	3/4-16	1.210	1.259
2605-08-08-08	1/2	1/2	1/2	3/4-16	1/2-14	3/4-16	1.459	1.352
2605-10-08-10	5/8	1/2	5/8	7/8-14	1/2-14	7/8-14	1.461	1.461
2605-12-12-08	3/4	3/4	1/2	1 1/16-12	3/4-14	3/4-16	-	-
2605-12-12-12	3/4	3/4	3/4	1 1/16-12	3/4-14	1 1/16-12	1.675	1.669
2605-16-16-16	1	1	1	1 5/16-12	1-11 1/2	1 5/16-12	2.018	1.855
2605-20-20-20	1 1/4	1 1/4	1 1/4	1 5/8-12	1 1/4-11 1/2	1 5/8-12	2.329	2.152
2605-24-24-24	1 1/2	1 1/2	1 1/2	1 7/8-12	1 1/2-11 1/2	1 7/8-12	2.640	2.330
2605-32-32-32	2	2	2	2 1/2-12	2-11 1/2	2 1/2-12	2.985	3.064

2606 - Male JIC x Female NPT x Male JIC Tee



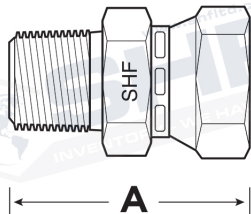
PART NO.	MJ-1	FP-2	MJ-3	THREAD-1	THREAD-2	THREAD-3	A	B
2606-02-02-02	1/8	1/8	1/8	5/16-24	1/8-27	5/16-24	1.004	0.963
2606-04-02-04	1/4	1/8	1/4	7/16-20	1/8-27	7/16-20	1.044	1.026
2606-04-04-04	1/4	1/4	1/4	7/16-20	1/4-18	7/16-20	0.880	1.220
2606-06-04-06	3/8	1/4	3/8	9/16-18	1/4-18	9/16-18	1.164	1.149
2606-06-06-06	3/8	3/8	3/8	9/16-18	3/8-18	9/16-18	1.020	1.310
2606-08-06-08	1/2	3/8	1/2	3/4-16	3/8-18	3/4-16	1.380	1.374
2606-08-08-08	1/2	1/2	1/2	3/4-16	1/2-14	3/4-16	1.398	1.406
2606-10-08-10	5/8	1/2	5/8	7/8-14	1/2-14	7/8-14	1.555	1.576
2606-12-12-12	3/4	3/4	3/4	1-1/16-12	3/4-14	1-1/16-12	1.825	1.847
2606-16-16-16	1	1	1	1-5/16-12	1-11 1/2	1-5/16-12	1.608	2.206

2703 - Male JIC Bulkhead Branch Tee



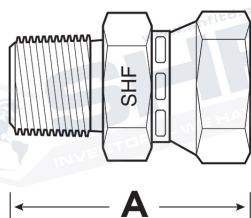
PART NO.	MJ-1	MJ-2	MJ-3	THREAD-1	THREAD-2	THREAD-3	A	B
2703-04-04-04	1/4	1/4	1/4	7/16-20	7/16-20	7/16-20	1.015	1.602
2703-06-06-06	3/8	3/8	3/8	9/16-18	9/16-18	9/16-18	1.123	1.845
2703-08-08-08	1/2	1/2	1/2	3/4-16	3/4-16	3/4-16	-	-
2703-12-12-12	3/4	3/4	3/4	1 1/16-12	1 1/16-12	1 1/16-12	1.839	2.753
2703-16-16-16	1	1	1	1 5/16-12	1 5/16-12	1 5/16-12	-	-
2703-20-20-20	1 1/4	1 1/4	1 1/4	1 5/8-12	1 5/8-12	1 5/8-12	-	-
2703-24-24-24	1-1/2	1-1/2	1-1/2	1 7/8-12	1 7/8-12	1 7/8-12	2.482	3.419
2703-32-32-32	2	2	2	2 1/2-12	2 1/2-12	2 1/2-12	-	-

1404 - Male NPT x Female NPT



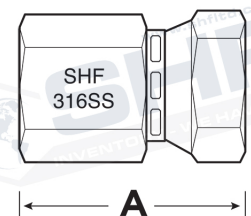
PART NO	MP-1	FP-2	THREAD-1	THREAD-2	A
1404-02-02	1/8	1/8	1/8-27	1/8-27	1.125
1404-04-02	1/4	1/8	1/4-18	1/8-27	-
1404-04-04	1/4	1/4	1/4-18	1/4-18	1.514
1404-04-06	1/4	3/8	1/4-18	3/8-18	1.475
1404-06-04	3/8	1/4	3/8-18	1/4-18	1.474
1404-06-06	3/8	3/8	3/8-18	3/8-18	1.651
1404-06-08	3/8	1/2	3/8-18	1/2-14	1.666
1404-08-06	1/2	3/8	1/2-14	3/8-18	1.757
1404-08-08	1/2	1/2	1/2-14	1/2-14	1.964
1404-12-12	3/4	3/4	3/4-14	3/4-14	2.142
1404-16-16	1	1	1-11 1/2	1-11 1/2	2.369
1404-20-20	1-1/4	1-1/4	1 1/4-11 1/2	1 1/4-11 1/2	2.501
1404-24-24	1-1/2	1-1/2	1 1/2-11 1/2	1 1/2-11 1/2	2.770
1404-32-32	2	2	2-11 1/2	2-11 1/2	2.790

1404 - HP - Male NPT x Female NPT Swivel (High Pressure)



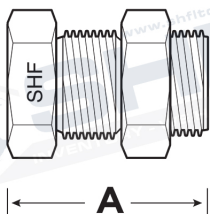
PART NO	MP-1	FP-2	THREAD-1	THREAD-2	A
1404-04-04HP	1/4	1/4	1/4-18	1/4-18	1.532
1404-06-06HP	3/8	3/8	3/8-18	3/8-18	1.748
1404-08-08HP	1/2	1/2	1/2-14	1/2-14	1.964
1404-12-12HP	3/4	3/4	3/4-14	3/4-14	2.32
1404-16-16HP	1	1	1-11 1/2	1-11 1/2	2.504

1405 - Female NPT x Female NPSM



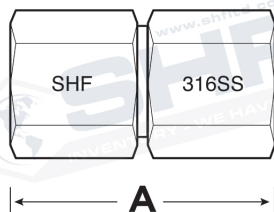
PART NO	FP-1	FP-2	THREAD-1	THREAD-2	A
1405-04-04	1/4	1/4	1/4-18	1/4-18	1.380
1405-06-06	3/8	3/8	3/8-18	3/8-18	1.500
1405-08-06	1/2	3/8	1/2-14	3/8-18	-
1405-08-08	1/2	1/2	1/2-14	1/2-14	1.785
1405-12-08	3/4	1/2	3/4-14	1/2-14	-
1405-12-12	3/4	3/4	3/4-14	3/4-14	1.973
1405-16-16	1	1	1-11 1/2	1-11 1/2	2.372
1405-20-20	1-1/4	1-1/4	1 1/4-11 1/2	1 1/4-11 1/2	2.492
1405-24-24	1-1/2	1-1/2	1 1/2-11 1/2	1 1/2-11 1/2	2.463
1405-32-32	2	2	2-11 1/2	2-11 1/2	2.627

2707 - Female NPT x Female NPT Bulkhead Union



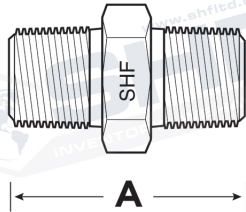
PART NO	FP-1	FP-2	L	L1	H	W	W1	OD
2707-04-04	1/4-18	3/4-16	1.50	1.25	0.31	1	1	0.56
2707-06-06	3/8-18	1-14	1.31	1.13	0.25	1-1/8	1-1/4	0.89
2707-08-08	1/2-14	1-1/8-14	1.50	1.25	0.31	1-1/4	1-3/8	1.00

5000 - Female NPT x Female NPT



PART NO	FP-1	FP-2	THREAD-1	THREAD-2	A
5000-02-02	1/8	1/8	1/8-27	1/8-27	0.755
5000-02-04	1/8	1/4	1/8-27	1/4-18	1.221
5000-04-02	1/4	1/8	1/4-18	1/8-27	1.179
5000-04-04	1/4	1/4	1/4-18	1/4-18	1.124
5000-04-06	1/4	3/8	1/4-18	3/8-18	1.382
5000-06-04	3/8	1/4	3/8-18	1/4-18	1.130
5000-06-06	3/8	3/8	3/8-18	3/8-18	1.184
5000-08-04	1/2	1/4	1/2-14	1/4-18	1.500
5000-08-06	1/2	3/8	1/2-14	3/8-18	1.376
5000-08-08	1/2	1/2	1/2-14	1/2-14	1.574
5000-12-06	3/4	3/8	3/4-14	3/8-18	-
5000-12-08	3/4	1/2	3/4-14	1/2-14	1.525
5000-12-12	3/4	3/4	3/4-14	3/4-14	1.537
5000-16-08	1	1/2	1-11 1/2	1/2-14	1.890
5000-16-12	1	3/4	1-11 1/2	3/4-14	2.374
5000-16-16	1	1	1-11 1/2	1-11 1/2	1.909
5000-16-20	1	1-1/4	1-11 1/2	1 1/4-11 1/2	2.087
5000-20-16	1-1/4	1	1 1/4-11 1/2	1-11 1/2	1.930
5000-20-20	1-1/4	1-1/4	1 1/4-11 1/2	1 1/4-11 1/2	2.165
5000-20-32	1-1/4	2	1 1/4-11 1/2	2-11 1/2	2.836
5000-24-08	1-1/2	1/2	1 1/2-11 1/2	1/2-14	2.164
5000-24-16	1-1/2	1	1 1/2-11 1/2	1-11 1/2	2.165
5000-24-20	1-1/2	1-1/4	1 1/2-11 1/2	1 1/4-11 1/2	3.132
5000-24-24	1-1/2	1-1/2	1 1/2-11 1/2	1 1/2-11 1/2	2.169
5000-32-20	2	1-1/4	2-11 1/2	1 1/4-11 1/2	3.421
5000-32-24	2	1-1/2	2-11 1/2	1 1/2-11 1/2	1.960
5000-32-32	2	2	2-11 1/2	2-11 1/2	2.517
5000-40-40	2-1/2	2-1/2	2 1/2-8	2 1/2-8	3.260
5000-48-48	3	3	3-8	3-8	4.290

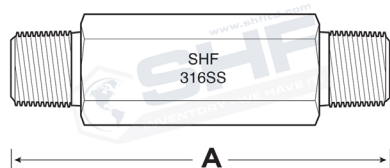
5404 - Male NPT X Male NPT



PART NO	MP-1	MP-2	THREAD-1	THREAD-2	A
5404-02-02	1/8	1/8	1/8-27	1/8-27	1.060
5404-04-02	1/4	1/8	1/4-18	1/8-27	1.260
5404-04-04	1/4	1/4	1/4-18	1/4-18	1.449
5404-06-02	3/8	1/8	3/8-18	1/8-27	1.251
5404-06-04	3/8	1/4	3/8-18	1/4-18	1.447
5404-06-06	3/8	3/8	3/8-18	3/8-18	1.449
5404-08-04	1/2	1/4	1/2-14	1/2-14	1.702
5404-08-06	1/2	3/8	1/2-14	3/8-18	1.641
5404-08-08	1/2	1/2	1/2-14	1/2-14	1.836
5404-12-04	3/4	1/4	3/4-14	1/4-18	1.651
5404-12-06	3/4	3/8	3/4-14	3/8-18	1.734
5404-12-08	3/4	1/2	3/4-14	1/2-14	1.968
5404-12-12	3/4	3/4	3/4-14	3/4-14	2.047
5404-12-16	3/4	1	3/4-14	1-11 1/2	2.149
5404-12-20	3/4	1 1/4	3/4-14	1 1/4-11 1/2	2.250
5404-12-24	3/4	1 1/2	3/4-14	1 1/2-11 1/2	2.330
5404-16-04	1	1/4	1-11 1/2	1/2-14	1.940
5404-16-08	1	1/2	1-11 1/2	1/2-14	2.128
5404-16-16	1	1	1-11 1/2	1-11 1/2	2.291
5404-16-20	1	1-1/4	1-11 1/2	1 1/4-11 1/2	2.447
5404-16-24	1	1-1/2	1-11 1/2	1 1/2-11 1/2	2.510
5404-20-16	1-1/4	1	1 1/4-11 1/2	1-11 1/2	2.498
5404-20-20	1-1/4	1-1/4	1 1/4-11 1/2	1 1/4-11 1/2	3.001
5404-20-24	1-1/4	1-1/2	1 1/4-11 1/2	1 1/2-11 1/2	2.478
5404-24-16	1-1/2	1	1 1/2-11 1/2	1-11 1/2	2.470
5404-24-20	1-1/2	1-1/4	1 1/2-11 1/2	1 1/4-11 1/2	2.667
5404-24-24	1-1/2	1-1/2	1 1/2-11 1/2	1 1/2-11 1/2	2.618
5404-32-16	2	1	2-11 1/2	1-11 1/2	2.716
5404-32-20	2	1-1/4	2-11 1/2	1 1/4-11 1/2	2.632
5404-32-24	2	1-1/2	2-11 1/2	1 1/2-11 1/2	2.790
5404-32-32	2	2	2-11 1/2	2-11 1/2	2.814



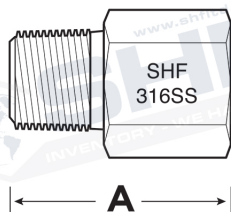
5404 Long Hex - Male NPT X Male NPT Long Hex



PART NO	MP-1	MP-2	THREAD-1	THREAD-2	A
5404-02-02 x 4"	1/8	1/8	1/8-27	1/8-27	4.000
5404-04-04 x 2"	1/4	1/4	1/4-18	1/4-18	2.000
5404-04-04 x 2.5"	1/4	1/4	1/4-18	1/4-18	2.500
5404-04-04 x 3"	1/4	1/4	1/4-18	1/4-18	3.000
5404-04-04 x 3.5"	1/4	1/4	1/4-18	1/4-18	3.500
5404-04-04 x 4"	1/4	1/4	1/4-18	1/4-18	4.000
5404-04-04 x 6"	1/4	1/4	1/4-18	1/4-18	6.000
5404-06-06 x 2"	3/8	3/8	3/8-18	3/8-18	2.000
5404-06-06 x 3"	3/8	3/8	3/8-18	3/8-18	3.000
5404-06-06 x 4"	3/8	3/8	3/8-18	3/8-18	4.000
5404-06-06 x 6"	3/8	3/8	3/8-18	3/8-18	6.000
5404-08-08 x 2"	1/2	1/2	1/2-14	1/2-14	2.000
5404-08-08 x 2.5"	1/2	1/2	1/2-14	1/2-14	2.500
5404-08-08 x 3"	1/2	1/2	1/2-14	1/2-14	3.000
5404-08-08 x 4"	1/2	1/2	1/2-14	1/2-14	4.000
5404-08-08 x 6"	1/2	1/2	1/2-14	1/2-14	6.000
5404-12-12 x 3"	3/4	3/4	3/4-14	3/4-14	3.000
5404-12-12 x 4"	3/4	3/4	3/4-14	3/4-14	4.000
5404-12-12 x 6"	3/4	3/4	3/4-14	3/4-14	6.000
5404-16-16 x 3"	1	1	1-11 1/2	1-11 1/2	3.000
5404-16-16 x 4"	1	1	1-11 1/2	1-11 1/2	4.000
5404-16-16 x 6"	1	1	1-11 1/2	1-11 1/2	6.000
5404-16-16 x 8"	1	1	1-11 1/2	1-11 1/2	8.000
5404-24-24 x 6"	1-1/2	1-1/2	1 1/2-11 1/2	1 1/2-11 1/2	6.000



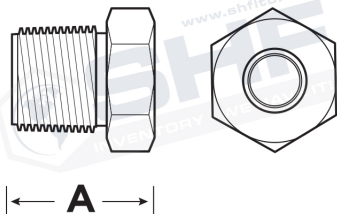
5405 - Male NPT x Female NPT Expander



PART NO.	MP-1	FP-2	THREAD-1	THREAD-2	A
5405-02-02	1/8	1/8	1/8-27	1/8-27	1.097
5405-02-04	1/8	1/4	1/8-27	1/4-18	1.180
5405-02-06	1/8	3/8	1/8-27	3/8-18	1.260
5405-02-08	1/8	1/2	1/8-27	1/2-14	1.506
5405-04-04	1/4	1/4	1/4-18	1/4-18	1.304
5405-04-06	1/4	3/8	1/4-18	3/8-18	1.487
5405-04-08	1/4	1/2	1/4-18	1/2-14	1.527
5405-04-12	1/4	3/4	1/4-18	3/4-14	1.569
5405-04-16	1/4	1	1/4-18	1-11 1/2	1.960
5405-06-06	3/8	3/8	3/8-18	3/8-18	1.417
5405-06-08	3/8	1/2	3/8-18	1/2-14	1.679
5405-06-12	3/8	3/4	3/8-18	3/4-14	1.598
5405-08-02	1/2	1/8	1/2-14	1/8-27	1.429
5405-08-04	1/2	1/4	1/2-14	1/4-18	1.870
5405-08-06	1/2	3/8	1/2-14	3/8-18	1.764
5405-08-08	1/2	1/2	1/2-14	1/2-14	1.933
5405-08-12	1/2	3/4	1/2-14	3/4-14	1.937
5405-08-16	1/2	1	1/2-14	1-11 1/2	2.177
5405-12-12	3/4	3/4	3/4-14	3/4-14	1.930
5405-12-16	3/4	1	3/4-14	1-11 1/2	2.203
5405-16-16	1	1	1-11 1/2	1-11 1/2	2.334
5405-16-20	1	1 1/4	1-11 1/2	1 1/4-11 1/2	2.460
5405-20-20	1 1/4	1 1/4	1 1/4-11 1/2	1 1/4-11 1/2	2.265
5405-20-24	1 1/4	1 1/2	1 1/4-11 1/2	1 1/2-11 1/2	2.490
5405-24-24	1 1/2	1 1/2	1 1/2-11 1/2	1 1/2-11 1/2	2.533
5405-24-32	1 1/2	2	1 1/2-11 1/2	2-11 1/2	2.533
5405-32-32	2	2	2-11 1/2	2-11 1/2	2.660



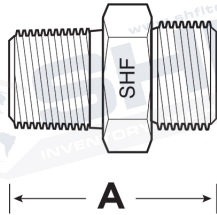
5406 Male NPT x Female NPT Bushing



PART NO	MP-1	FP-2	THREAD-1	THREAD-2	A
5406-04-02	1/4	1/8	1/4-18	1/8-27	0.859
5406-06-02	3/8	1/8	3/8-18	1/8-27	0.853
5406-06-04	3/8	1/4	3/8-18	1/4-18	0.855
5406-08-02	1/2	1/8	1/2-14	1/8-27	0.777
5406-08-04	1/2	1/4	1/2-14	1/4-18	1.111
5406-08-06	1/2	3/8	1/2-14	3/8-18	1.114
5406-12-04	3/4	1/4	3/4-14	1/4-18	1.178
5406-12-06	3/4	3/8	3/4-14	3/8-18	0.934
5406-12-08	3/4	1/2	3/4-14	1/2-14	1.173
5406-16-02	1	1/8	1-11 1/2	1/8-27	-
5406-16-04	1	1/4	1-11 1/2	1/4-18	1.046
5406-16-06	1	3/8	1-11 1/2	3/8-18	1.054
5406-16-08	1	1/2	1-11 1/2	1/2-14	1.363
5406-16-12	1	3/4	1-11 1/2	3/4-14	1.360
5406-20-04	1 1/4	1/4	1 1/4-11 1/2	1/4-18	1.179
5406-20-06	1 1/4	3/8	1 1/4-11 1/2	3/8-18	1.179
5406-20-08	1 1/4	1/2	1 1/4-11 1/2	1/2-14	1.179
5406-20-12	1 1/4	3/4	1 1/4-11 1/2	3/4-14	1.162
5406-20-16	1 1/4	1	1 1/4-11 1/2	1-11 1/2	1.162
5406-24-04	1 1/2	1/4	1 1/2-11 1/2	1/4-18	1.236
5406-24-06	1 1/2	3/8	1 1/2-11 1/2	3/8-18	1.236
5406-24-08	1 1/2	1/2	1 1/2-11 1/2	1/2-14	1.236
5406-24-12	1 1/2	3/4	1 1/2-11 1/2	3/4-14	1.245
5406-24-16	1 1/2	1	1 1/2-11 1/2	1-11 1/2	1.222
5406-24-20	1 1/2	1 1/4	1 1/2-11 1/2	1 1/4-11 1/2	1.520
5406-32-04	2	1/4	2-11 1/2	1/4-18	1.750
5406-32-06	2	3/8	2-11 1/2	3/8-18	1.750
5406-32-08	2	1/2	2-11 1/2	1/2-14	1.386
5406-32-12	2	3/4	2-11 1/2	3/4-14	1.920
5406-32-16	2	1	2-11 1/2	1-11 1/2	1.850
5406-32-20	2	1 1/4	2-11 1/2	1 1/4-11 1/2	1.382
5406-32-24	2	1 1/2	2-11 1/2	1 1/2-11 1/2	1.750
5406-40-24	2 1/2	1 1/2	2 1/2-8	1 1/2-11 1/2	-
5406-40-32	2 1/2	2	2 1/2-8	2-11 1/2	-
5406-48-32	3	2	3-8	2-11 1/2	-

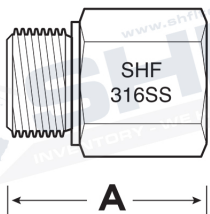


7032 - Male NPT X Male BSPP



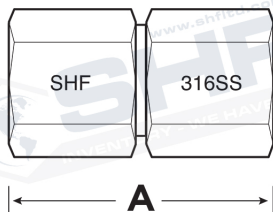
PART NO.	BSP-1	MP-2	THREAD-1	THREAD-2	A
7032-02-02	1/8	1/8	1/8-28	1/8-27	1.092
7032-04-04	1/4	1/4	1/4-19	1/4-18	1.453
7032-06-06	3/8	3/8	3/8-19	3/8-18	1.487
7032-06-08	3/8	1/2	3/8-19	1/2-14	1.571
7032-08-08	1/2	1/2	1/2-14	1/2-14	1.775
7032-12-12	3/4	3/4	3/4-14	3/4-14	1.924
7032-16-16	1	1	1-11	1-11 1/2	2.242
7032-20-20	1 1/4	1 1/4	1 1/4-11	1 1/4-11 1/2	-
7032-24-24	1 1/2	1 1/2	1 1/2-11	1 1/2-11 1/2	-
7032-32-32	2	2	2-11	2-11 1/2	-

7042 - Male BSPP x Female NPT



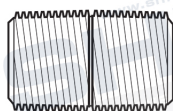
PART NO.	BSP-1	FP-2	THREAD-1	THREAD-2	A
7042-02-02	1/8	1/8	1/8-28	1/8-27	0.988
7042-04-04	1/4	1/4	1/4-19	1/4-18	1.311
7042-06-06	3/8	3/8	3/8-19	3/8-18	1.485
7042-08-08	1/2	1/2	1/2-14	1/2-14	1.725
7042-12-12	3/4	3/4	3/4-14	3/4-14	2.001
7042-16-16	1	1	1-11	1-11 1/2	2.091
7042-20-20	1 1/4	1 1/4	1 1/4-11	1 1/4-11 1/2	-
7042-24-08	1 1/2	1/2	1 1/2-11	1/2-14	-
7042-24-24	1 1/2	1 1/2	1 1/2-11	1 1/2-11 1/2	-
7042-32-32	2	2	2-11	2-11 1/2	-

7052 - Female BSPP x Female NPT



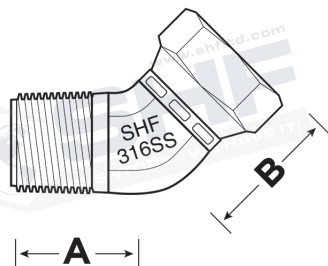
PART NO.	FBSP-1	FNPT-2	THREAD-1	THREAD-2	A
7052-04-04	1/4	1/4	1/4-19	1/4-18	1.188
7052-06-06	3/8	3/8	3/8-19	3/8-18	1.310
7052-08-08	1/2	1/2	1/2-14	1/2-14	1.556
7052-12-12	3/4	3/4	3/4-14	3/4-14	1.615
7052-16-16	1	1	1-11	1-11 1/2	2.002
7052-20-20	1 1/4	1 1/4	1 1/4-11	1 1/4-11 1/2	-
7052-24-24	1 3/4	1 3/4	1 1/2-11	1 1/2-11 1/2	-
7052-32-32	2	2	2-11	2 1/2-8	-
7052-40-40	2 1/2	2 1/2	2 1/2-11	2 1/2-8	-
7052-48-48	3	3	3-11	3-8	-

CN - Male NPT x Male NPT Close Nipple



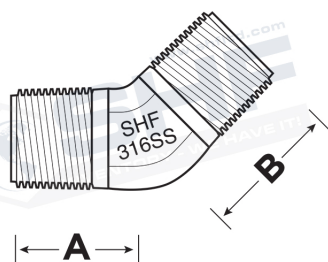
PART NO	MP-1	MP-2	THREAD-1	THREAD-2	A
CN-02	1/8	1/8	1/8-27	1/8-27	-
CN-04	1/4	1/4	1/4-18	1/4-18	1.122
CN-06	3/8	3/8	3/8-18	3/8-18	1.116
CN-08	1/2	1/2	1/2-14	1/2-14	1.507
CN-12	3/4	3/4	3/4-14	3/4-14	1.500
CN-16	1	1	1-11 1/2	1-11 1/2	1.883

1503 - Male NPT x Female NPSM - 45°



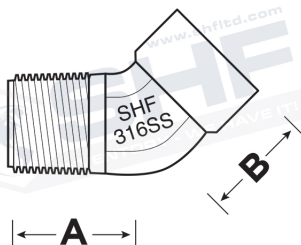
PART NO	MP-1	FP-2	THREAD-1	THREAD-2	A	B
1503-04-04	1/4	1/4	7/16-20	7/16-20	0.926	0.954
1503-06-06	3/8	3/8	9/16-18	9/16-18	1.099	1.118
1503-08-08	1/2	1/2	3/4-16	3/4-16	1.319	1.189
1503-12-12	3/4	3/4	1 1/16-12	1 1/16-12	1.383	1.355
1503-16-16	1	1	1 5/16-12	1 5/16-12	1.702	1.556

5501 - Male NPT x Male NPT - 45°



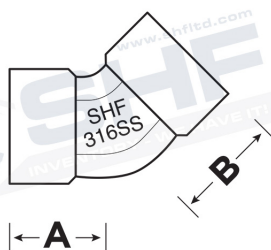
PART NO	MP-1	MP-2	THREAD-1	THREAD-2	A & B
5501-04-04	1/4	1/4	1/4-18	1/4-18	0.860
5501-06-06	3/8	3/8	3/8-18	3/8-18	0.950
5501-08-08	1/2	1/2	1/2-14	1/2-14	1.170
5501-12-12	3/4	3/4	3/4-14	3/4-14	1.200
5501-16-16	1	1	1-11 1/2	1-11 1/2	1.480

5503 - Male NPT x Female NPT - 45°



PART NO	MP-1	FP-2	THREAD-1	THREAD-2	A	B
5503-02-02	1/8	1/8	1/8-27	1/8-27	-	-
5503-04-04	1/4	1/4	1/4-18	1/4-18	1.050	0.620
5503-06-06	3/8	3/8	3/8-18	3/8-18	1.220	0.820
5503-08-08	1/2	1/2	1/2-14	1/2-14	1.460	0.967
5503-12-12	3/4	3/4	3/4-14	3/4-14	1.444	1.049
5503-16-16	1	1	1-11 1/2	1-11 1/2	1.928	1.238
5503-20-20	1 1/4	1 1/4	1 1/4-11 1/2	1 1/4-11 1/2	1.800	1.630
5503-24-24	1 1/2	1 1/2	1 1/2-11 1/2	1 1/2-11 1/2	2.306	2.044
5503-32-32	2	2	2-11 1/2	2-11 1/2	2.906	2.109

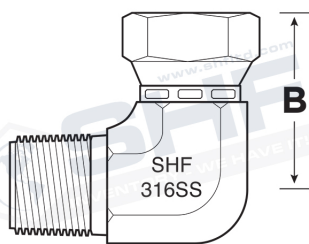
5505 - Female NPT x Female NPT - 45°



PART NO	FP-1	FP-2	THREAD-1	THREAD-2	A	B
5505-04-04	1/4	1/4	1/4-18	1/4-18	0.690	0.690
5505-06-06	3/8	3/8	3/8-18	3/8-18	0.732	0.732
5505-08-08	1/2	1/2	1/2-14	1/2-14	0.933	0.933
5505-12-12	3/4	3/4	3/4-14	3/4-14	0.983	0.983
5505-16-16	1	1	1-11-1/2	1-11-1/2	1.162	1.162
5505-20-20	1-1/4	1-1/4	1 1/4-11 1/2	1 1/4-11 1/2	-	-
5505-24-24	1-1/2	1-1/2	1 1/2-11 1/2	1 1/2-11 1/2	-	-
5505-32-32	2	2	2-11 1/2	2-11 1/2	-	-



1501 - Male NPT x Female NPSM - 90°

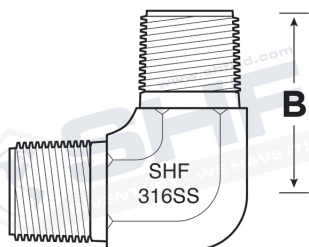


← A →

B

PART NO	MP-1	FP-2	THREAD-1	THREAD-2	A	B
1501-04-04	1/4	1/4	1/4-18	1/4-18	1.049	1.049
1501-06-06	3/8	3/8	3/8-18	3/8-18	1.211	1.211
1501-08-08	1/2	1/2	1/2-14	1/2-14	1.529	1.378
1501-12-12	3/4	3/4	3/4-14	3/4-14	1.635	1.623
1501-16-16	1	1	1-11 1/2	1-11 1/2	1.955	1.874

5500 - Male NPT x Male NPT - 90°



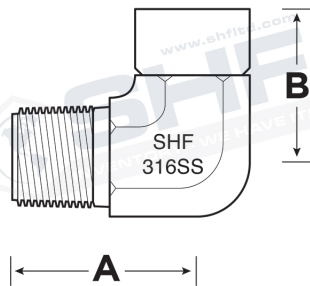
← A →

B

PART NO	MP-1	MP-2	THREAD-1	THREAD-2	A	B
5500-02-02	1/8	1/8	1/8-27	1/8-27	0.712	0.712
5500-04-04	1/4	1/4	1/4-18	1/4-18	0.974	0.974
5500-06-06	3/8	3/8	3/8-18	3/8-18	1.079	1.079
5500-06-08	3/8	1/2	3/8-18	1/2-14	1.308	1.056
5500-08-08	1/2	1/2	1/2-14	1/2-14	1.459	1.459
5500-12-12	3/4	3/4	3/4-14	3/4-14	1.606	1.606
5500-16-16	1	1	1-11 1/2	1-11 1/2	1.954	1.954
5500-20-20	1 1/4	1 1/4	1 1/4-11 1/2	1 1/4-11 1/2	2.151	2.151
5500-24-24	1 1/2	1 1/2	1 1/2-11 1/2	1 1/2-11 1/2	2.400	2.400
5500-32-32	2	2	2-11 1/2	2-11 1/2	3.001	3.001

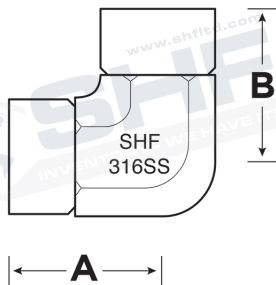


5502 - Male NPT x Female NPT - 90°



PART NO	MP-1	FP-2	THREAD-1	THREAD-2	A	B
5502-02-02	1/8	1/8	1/8-27	1/8-27	0.800	0.660
5502-02-04	1/8	1/4	1/8-27	1/4-18	0.840	1.127
5502-04-02	1/4	1/8	1/4-18	1/8-27	-	-
5502-04-04	1/4	1/4	1/4-18	1/4-18	1.090	0.880
5502-04-06	1/4	3/8	1/4-18	3/8-18	1.106	1.326
5502-04-08	1/4	1/2	1/4-18	1/2-14	1.164	1.392
5502-06-04	3/8	1/4	3/8-18	1/4-18	-	-
5502-06-06	3/8	3/8	3/8-18	3/8-18	1.234	1.053
5502-06-08	3/8	1/2	3/8-18	1/2-14	1.135	1.410
5502-08-06	1/2	3/8	1/2-14	3/8-18	-	-
5502-08-08	1/2	1/2	1/2-14	1/2-14	1.449	1.449
5502-08-12	1/2	3/4	1/2-14	3/4-14	1.598	1.775
5502-08-16	1/2	1	1/2-14	1-11 1/2	1.612	1.829
5502-12-12	3/4	3/4	3/4-14	3/4-14	1.662	1.371
5502-16-16	1	1	1-11 1/2	1-11 1/2	2.008	1.662
5502-20-20	1 1/4	1 1/4	1 1/4-11 1/2	1 1/4-11 1/2	2.373	1.748
5502-24-24	1 1/2	1 1/2	1 1/2-11 1/2	1 1/2-11 1/2	2.640	2.080
5502-32-32	2	2	2-11 1/2	2-11 1/2	3.153	2.384

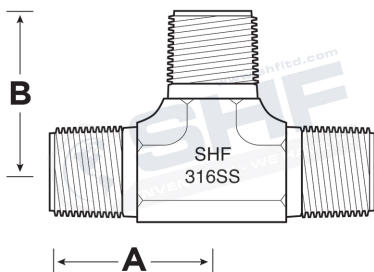
5504 - Female NPT x Female NPT - 90°



PART NO	FP-1	FP-2	THREAD-1	THREAD-2	A	B
5504-02-02	1/8	1/8	1/8-27	1/8-27	0.779	0.779
5504-04-04	1/4	1/4	1/4-18	1/4-18	1.071	1.071
5504-06-06	3/8	3/8	3/8-18	3/8-18	1.027	1.027
5504-08-08	1/2	1/2	1/2-14	1/2-14	1.258	1.258
5504-12-12	3/4	3/4	3/4-14	3/4-14	1.634	1.634
5504-16-16	1	1	1-11 1/2	1-11 1/2	1.656	1.656
5504-20-20	1-1/4	1-1/4	1 1/4-11 1/2	1 1/4-11 1/2	1.709	1.709
5504-24-24	1-1/2	1-1/2	1 1/2-11 1/2	1 1/2-11 1/2	2.148	2.148
5504-32-32	2	2	2-11 1/2	2-11 1/2	2.390	2.390

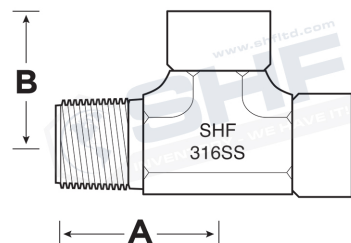


5600 - Male NPT x Male NPT x Male NPT Pipe Tee



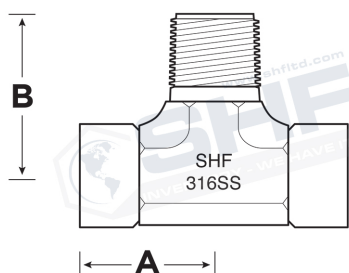
PART NO	MP-1	MP-2	MP-3	THREAD-1	THREAD-2	THREAD-3	A	B
5600-02-02-02	1/8	1/8	1/8	1/8-27	1/8-27	1/8-27	-	-
5600-04-04-04	1/4	1/4	1/4	1/4-18	1/4-18	1/4-18	0.978	0.978
5600-06-06-06	3/8	3/8	3/8	3/8-18	3/8-18	3/8-18	1.003	1.003
5600-08-08-08	1/2	1/2	1/2	1/2-14	1/2-14	1/2-14	1.488	1.438
5600-12-12-12	3/4	3/4	3/4	3/4-14	3/4-14	3/4-14	1.386	1.386
5600-16-16-16	1	1	1	1-11 1/2	1-11 1/2	1-11 1/2	1.970	1.970
5600-20-20-20	1 1/4	1 1/4	1 1/4	1 1/4-11 1/2	1 1/4-11 1/2	1 1/4-11 1/2	-	-
5600-24-24-24	1 1/2	1 1/2	1 1/2	1 1/2-11 1/2	1 1/2-11 1/2	1 1/2-11 1/2	-	-
5600-32-32-32	2	2	2	2-11 1/2	2-11 1/2	2-11 1/2	3.000	3.000

5602 - Male NPT x Female NPT x Female NPT Male Run Tee



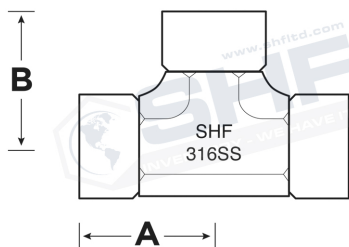
PART NO	MP-1	FP-2	FP-3	THREAD-1	THREAD-2	THREAD-3	A	B
5602-02-02-02	1/8	1/8	1/8	1/8-27	1/8-27	1/8-27	0.82	0.67
5602-04-04-04	1/4	1/4	1/4	1/4-18	1/4-18	1/4-18	1.10	0.90
5602-06-06-06	3/8	3/8	3/8	3/8-18	3/8-18	3/8-18	1.28	1.07
5602-08-08-08	1/2	1/2	1/2	1/2-14	1/2-14	1/2-14	1.60	1.38
5602-12-12-12	3/4	3/4	3/4	3/4-14	3/4-14	3/4-14	1.62	1.36
5602-16-16-16	1	1	1	1-11 1/2	1-11 1/2	1-11 1/2	1.97	1.62
5602-20-20-20	1-1/4	1-1/4	1-1/4	1 1/4-11 1/2	1 1/4-11 1/2	1 1/4-11 1/2	2.38	1.70
5602-24-24-24	1-1/2	1-1/2	1-1/2	1 1/2-11 1/2	1 1/2-11 1/2	1 1/2-11 1/2	2.64	2.08
5602-32-32-32	2	2	2	2-11 1/2	2-11 1/2	2-11 1/2	3.00	2.39

5604 - Female NPT x Female NPT x Male NPT Male Branch Tee



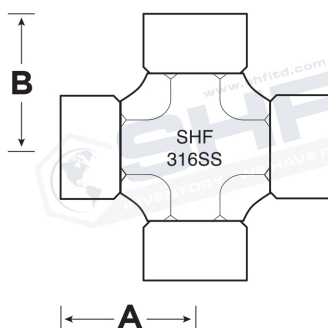
PART NO	FP-1	FP-2	MP-3	THREAD-1	THREAD-2	THREAD-3	A	B
5604-02-02-02	1/8	1/8	1/8	1/8-27	1/8-27	1/8-27	0.922	0.706
5604-04-04-04	1/4	1/4	1/4	1/4-18	1/4-18	1/4-18	0.879	1.100
5604-06-06-06	3/8	3/8	3/8	3/8-18	3/8-18	3/8-18	1.033	1.243
5604-08-08-08	1/2	1/2	1/2	1/2-14	1/2-14	1/2-14	1.226	1.498
5604-12-12-12	3/4	3/4	3/4	3/4-14	3/4-14	3/4-14	1.363	1.610
5604-16-16-16	1	1	1	1-11 1/2	1-11 1/2	1-11 1/2	1.653	2.020
5604-20-20-20	1-1/4	1-1/4	1-1/4	1 1/4-11 1/2	1 1/4-11 1/2	1 1/4-11 1/2	1.700	2.380

5605 - Female NPT x Female NPT x Female NPT Female Pipe Tee



PART NO	FP-1	FP-2	FP-3	THREAD-1	THREAD-2	THREAD-3	A	B
5605-02-02-02	1/8	1/8	1/8	1/8-27	1/8-27	1/8-27	0.330	0.330
5605-04-04-04	1/4	1/4	1/4	1/4-18	1/4-18	1/4-18	0.889	0.889
5605-06-06-06	3/8	3/8	3/8	3/8-18	3/8-18	3/8-18	1.052	1.052
5605-08-08-08	1/2	1/2	1/2	1/2-14	1/2-14	1/2-14	1.257	1.257
5605-12-12-12	3/4	3/4	3/4	3/4-14	3/4-14	3/4-14	1.384	1.384
5605-16-16-16	1	1	1-11 1/2	1-11 1/2	1-11 1/2	1.627	1.627	-
5605-20-20-20	1 1/4	1 1/4	1 1/4	1 1/4-11 1/2	1 1/4-11 1/2	1 1/4-11 1/2	2.116	2.116
5605-24-24-24	1 1/2	1 1/2	1 1/2	1 1/2-11 1/2	1 1/2-11 1/2	1 1/2-11 1/2	1.720	1.720
5605-32-32-32	2	2	2	2-11 1/2	2-11 1/2	2-11 1/2	2.309	2.309

5652 - Female NPT Cross



PART NO	FP-1&2	FP-3&4	THREAD-1&2	THREAD-3&4	A	B
5652-02-02-02-02	1/8	1/8	1/8-27	1/8-27	0.902	0.902
5652-04-04-04-04	1/4	1/4	1/4-18	1/4-18	1.005	1.005
5652-06-06-06-06	3/8	3/8	3/8-18	3/8-18	1.028	1.028
5652-08-08-08-08	1/2	1/2	1/2-14	1/2-14	1.230	1.230
5652-12-12-12-12	3/4	3/4	3/4-14	3/4-14	1.530	1.530
5652-16-16-16-16	1	1	1-11 1/2	1-11 1/2	1.775	1.775
5652-20-20-20-20	1 1/4	1 1/4	1 1/4-11 1/2	1 1/4-11 1/2	2.063	2.063

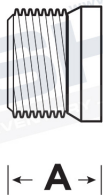


5406-C - Female NPT Pipe Cap



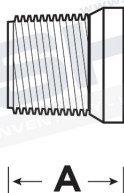
PART NO	PC-1	THREAD-1	A
5406-C-02	1/8	1/8-27	0.559
5406-C-04	1/4	1/4-18	0.752
5406-C-06	3/8	3/8-18	0.874
5406-C-08	1/2	1/2-14	1.059
5406-C-12	3/4	3/4-14	1.311
5406-C-16	1	1-11 1/2	1.622
5406-C-20	1-1/4	1 1/4-11 1/2	-
5406-C-24	1-1/2	1 1/2-11 1/2	-
5406-C-32	2	2-11 1/2	-

5406-BSPP-HHP - Male BSPP Hollow Hex Plug



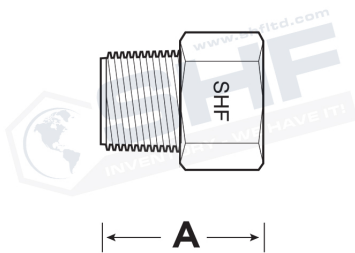
PART NO	SIZE	THREAD	A
5406-BSPP-HHP-04	1/4	1/4-19	0.602
5406-BSPP-HHP-06	3/8	3/8-19	0.604
5406-BSPP-HHP-08	1/2	1/2-14	0.741
5406-BSPP-HHP-12	3/4	3/4-14	0.781
5406-BSPP-HHP-16	1	1-11	0.923
5406-BSPP-HHP-20	1-1/4	1-1/4-11	-
5406-BSPP-HHP-24	1-1/2	1-1/2-11	-
5406-BSPP-HHP-32	2	2-11	-

5406-HHP - Male NPT Hollow Hex Pipe Plug



PART NO	HHP-1	THREAD-1	A
5406-HHP-02	1/8	1/8-27	0.301
5406-HHP-04	1/4	1/4-18	0.474
5406-HHP-06	3/8	3/8-18	0.492
5406-HHP-08	1/2	1/2-14	0.613
5406-HHP-12	3/4	3/4-14	0.646
5406-HHP-16	1	1-11 1/2	0.807
5406-HHP-20	1-1/4	1 1/4-11 1/2	0.810
5406-HHP-24	1-1/2	1 1/2-11 1/2	-
5406-HHP-32	2	2-11 1/2	-

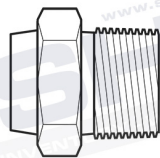
5406-P - Male NPT Hex Pipe Plug



PART NO	PC-1	THREAD-1	A
5406-P-02	1/8	1/8-27	0.565
5406-P-04	1/4	1/4-18	0.822
5406-P-06	3/8	3/8-18	0.870
5406-P-08	1/2	1/2-14	1.049
5406-P-12	3/4	3/4-14	1.080
5406-P-16	1	1-11 1/2	1.322
5406-P-20	1 1/4	1 1/4-11 1/2	1.475
5406-P-24	1 1/2	1 1/2-11 1/2	1.651
5406-P-32	2	2-11 1/2	1.721
5406-P-48	3	3-8	2.052

SHFWO-MP - Hex Weld On x Male NPT - Made from Bar Stock

Parts available in 304 and 316 Stainless Steel

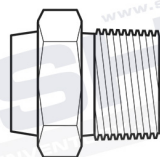


← A →

PART NO	HOSE ID	THREAD	A OAL
SHFWO-04MP	1/4	1/4-18	1.298
SHFWO-06MP	3/8	3/8-18	1.288
SHFWO-08MP	1/2	1/2-14	1.503
SHFWO-12MP	3/4	3/4-14	1.569
SHFWO-16MP	1	1-11 1/2	1.761
SHFWO-20MP	1 1/4	1 1/4-11 1/2	1.756
SHFWO-24MP	1 1/2	1 1/2-11 1/2	1.917
SHFWO-32MP	2	2-11 1/2	1.948

WO-MP316C - Male NPT Cast Hex Weld On

Parts numbers below are for 316 Stainless Steel, 304 SS also available

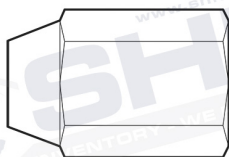


← A →

PART NO	HOSE ID	THREAD	A OAL
WO-04MP316C	1/4	1/4-18	1.180
WO-06MP316C	3/8	3/8-18	1.295
WO-08MP316C	1/2	1/2-14	1.500
WO-12MP316C	3/4	3/4-14	1.460
WO-16MP316C	1	1-11 1/2	1.695
WO-20MP316C	1-1/4	1 1/4-11 1/2	1.775
WO-24MP316C	1 1/2	1 1/2-11 1/2	1.900
WO-32MP316C	2	2-11 1/2	1.97
WO-40MP316C	2 1/2	2 1/2-8	-

SHFWO-FP - Female NPT Cast Hex Weld On

This series is also available in Female NPSM and Female SAE Swivel 45° seat upon request.

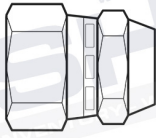


← A →

PART NO	HOSE ID	THREAD	A OAL
SHFWO-04FP	1/4	1/4-18	1.263
SHFWO-06FP	3/8	3/8-18	-
SHFWO-08FP	1/2	1/2-14	-
SHFWO-12FP	3/4	3/4-14	-
SHFWO-16FP	1	1-11 1/2	-
SHFWO-20FP	1 1/4	1 1/4-11 1/2	-
SHFWO-24FP	1 1/2	1 1/2-11 1/2	-
SHFWO-32FP	2	2-11 1/2	-

SHFWO-BSP - Hex Weld On x Swivel Female BSP 60° Cone

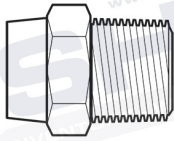
Parts available in 304 and 316 Stainless Steel



← A →

PART NO	HOSE ID	THREAD	A OAL
SHFWO-04BSP	1/4	1/4-19	-
SHFWO-06BSP	3/8	3/8-19	-
SHFWO-08BSP	1/2	1/2-14	1.698
SHFWO-12BSP	3/4	3/4-14	1.803
SHFWO-16BSP	1	1-11	1.839
SHFWO-20BSP	1 1/4	1 1/4-11	2.104
SHFWO-24BSP	1 1/2	1 1/2-11	2.236
SHFWO-32BSP	2	2-11	-

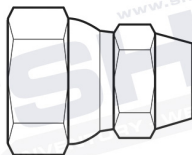
CWO-MP - Carbon Hex Weld On x Male NPT



← A →

PART NO	HOSE ID	THREAD	A OAL
CWO-04MP	1/4	1/4-18	1.298
CWO-06MP	3/8	3/8-18	1.288
CWO-08MP	1/2	1/2-14	1.503
CWO-12MP	3/4	3/4-14	1.569
CWO-16MP	1	1-11 1/2	1.761
CWO-20MP	1 1/4	1 1/4-11 1/2	1.756
CWO-24MP	1 1/2	1 1/2-11 1/2	1.917
CWO-32MP	2	2-11 1/2	1.948

CWO-FJ - Carbon Hex Weld On x Female JIC 37° Swivel



← A →

PART NO	HOSE ID	THREAD	A OAL
CWO-04FJ	1/4	7/16-20	1.315
CWO-06FJ	3/8	9/16-18	1.396
CWO-08FJ	1/2	3/4-16	1.545
CWO-10FJ	5/8	7/8-14	1.636
CWO-12FJ	3/4	1 1/16-12	1.710
CWO-16FJ	1	1 5/16-12	1.888
CWO-20FJ	1 1/4	1 5/8-12	2.006
CWO-24FJ	1 1/2	1 7/8-12	2.321
CWO-32FJ	2	2 1/2-12	2.494