

SMALL PIPE SWIVELS NPSM

HYDRAULIC ADAPTERS

STEEL PIPE SWIVEL ADAPTERS

MALE PIPE SWIVEL ADAPTER

SAE 140130

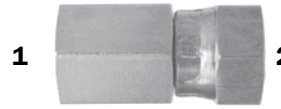


1404
2045R
1210
9205R
0107

Part #	Male Pipe 1	Female NPSM 2	
1404-2-2	1/8	1/8	
1404-2-4	1/8	1/4	
1404-4-2	1/4	1/8	
1404-4-4	1/4	1/4	
1404-4-6	1/4	3/8	
1404-4-8	1/4	1/2	
1404-6-4	3/8	1/4	
1404-6-6	3/8	3/8	
1404-6-8	3/8	1/2	
1404-8-4	1/2	1/4	
1404-8-6	1/2	3/8	
1404-8-8	1/2	1/2	
1404-12-8	3/4	1/2	
1404-12-12	3/4	3/4	
1404-12-16	3/4	1	
1404-16-12	1	3/4	
1404-16-16	1	1	
1404-16-20	1	1-1/4	
1404-20-16	1-1/4	1	
1404-20-20	1-1/4	1-1/4	
1404-24-24	1-1/2	1-1/2	
1404-32-32	2	2	

FEMALE PIPE SWIVEL ADAPTER

SAE 140131



1405
2046R
1212
9255
C207

Part #	Female Pipe 1	Female NPSM 2	
1405-2-2	1/8	1/8	
1405-2-4	1/8	1/4	
1405-4-2	1/4	1/8	
1405-4-4	1/4	1/4	
1405-4-6	1/4	3/8	
1405-6-4	3/8	1/4	
1405-6-6	3/8	3/8	
1405-6-8	3/8	1/2	
1405-8-4	1/2	1/4	
1405-8-6	1/2	3/8	
1405-8-8	1/2	1/2	
1405-12-12	3/4	3/4	
1405-16-12	1	3/4	
1405-16-16	1	1	
1405-20-20	1-1/4	1-1/4	
1405-24-24	1-1/2	1-1/2	
1405-32-32	2	2	

HYDRAULIC ADAPTERS

SMALL PIPE SWIVELS NPSM

MALE PIPE ELBOW SWIVEL ADAPTER

SAE 140230



1501
2047R
1218
9405
2107

Part #	Male Pipe 1	Female NPSM 2	
1501-2-2	1/8	1/8	
1501-2-4	1/8	1/4	
1501-4-2	1/4	1/8	
1501-4-4	1/4	1/4	
1501-4-6	1/4	3/8	
1501-6-4	3/8	1/4	
1501-6-6	3/8	3/8	
1501-8-4	1/2	1/4	
1501-8-6	1/2	3/8	
1501-8-8	1/2	1/2	
1501-12-8	3/4	1/2	
1501-12-12	3/4	3/4	
1501-12-16	3/4	1	
1501-16-12	1	3/4	
1501-16-16	1	1	
1501-20-16	1-1/4	1	
1501-20-20	1-1/4	1-1/4	
1501-20-24	1-1/4	1-1/2	
1501-24-20	1-1/2	1-1/4	
1501-24-24	1-1/2	1-1/2	
1501-32-32	2	2	

-4, -6, -8 Available in a Restrictor

FEMALE UNION ELBOW SWIVEL ADAPTER

SAE 140231



1502
2207
1216
94SSR

Part #	Female Pipe 1	Female NPSM 2	
1502-2-2	1/8	1/8	
1502-2-4	1/8	1/4	
1502-4-4	1/4	1/4	
1502-4-6	1/4	3/8	
1502-6-4	3/8	1/4	
1502-6-6	3/8	3/8	
1502-6-8	3/8	1/2	
1502-8-4	1/2	1/4	
1502-8-6	1/2	3/8	
1502-8-8	1/2	1/2	
1502-12-12	3/4	3/4	
1502-16-12	1	3/4	
1502-16-16	1	1	
1502-20-20	1-1/4	1-1/4	
1502-24-24	1-1/2	1-1/2	

MALE 45° PIPE ELBOW SWIVEL ADAPTER

SAE 140330



1503
2049R
3107
1214
9355R

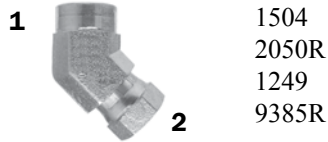
Part #	Male Pipe 1	Female NPSM 2	
1503-2-2	1/8	1/8	
1503-4-4	1/4	1/4	
1503-4-6	1/4	3/8	
1503-6-4	3/8	1/4	
1503-6-6	3/8	3/8	
1503-6-8	3/8	1/2	
1503-8-6	1/2	3/8	
1503-8-8	1/2	1/2	
1503-12-8	3/4	1/2	
1503-12-12	3/4	3/4	
1503-16-12	1	3/4	
1503-16-16	1	1	
1503-16-20	1	1-1/4	
1503-20-16	1-1/4	1	
1503-20-20	1-1/4	1-1/4	
1503-24-24	1-1/2	1-1/2	
1503-32-32	2	2	

SMALL PIPE SWIVELS NPSM

HYDRAULIC ADAPTERS

FEMALE 45° UNION ELBOW SWIVEL ADAPTER

SAE 140331



1504
2050R
1249
9385R

Part #	Female Pipe 1	Female NPSM 2	
1504-2-2	1/8	1/8	
1504-4-4	1/4	1/4	
1504-6-4	3/8	1/4	
1504-6-6	3/8	3/8	
1504-8-8	1/2	1/2	
1504-12-12	3/4	3/4	
1504-16-16	1	1	
1504-20-20	1-1/4	1-1/4	
1504-24-24	1-1/2	1-1/2	

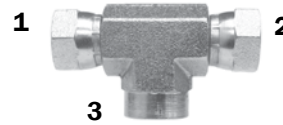
MALE SWIVEL BRANCH TEE



1601
2254R
1258
9406R

Part #	Female NPSM 1 & 2	Male Pipe 3	
1601-2-2	1/8	1/8	
1601-4-4	1/4	1/4	
1601-6-6	3/8	3/8	
1601-8-4	1/4	1/2	
1601-8-8	1/2	1/2	
1601-12-12	3/4	3/4	
1601-16-16	1	1	
1601-20-20	1-1/4	1-1/4	
1601-24-24	1-1/2	1-1/2	

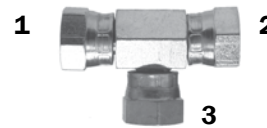
FEMALE SWIVEL TEE



1602
2253R
1259
9456R

Part #	Female NPSM 1 & 2	Female Pipe 3	
1602-4-4	1/4	1/4	
1602-6-4	1/4	3/8	
1602-6-6	3/8	3/8	
1602-8-6	3/8	1/2	
1602-8-8	1/2	1/2	
1602-12-8	1/2	3/4	
1602-12-12	3/4	3/4	
1602-16-16	1	1	
1602-20-20	1-1/4	1-1/4	

FEMALE SWIVEL UNION TEE



1603
2255
1223
9705R

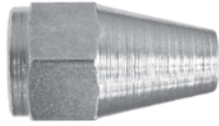
Part #	Female NPSM 1,2 & 3	
1603-4-4	1/4	
1603-6-6	3/8	
1603-8-8	1/2	
1603-12-12	3/4	
1603-16-16	1	
1603-20-20	1-1/4	

HYDRAULIC ADAPTERS

STRAIGHTS STEEL JIC FLARE 37°

LONG JIC TUBE NUT

SAE 070111



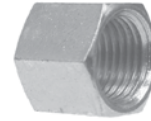
304
221000
0304

Part #	Tube O.D	JIC Thread Size	
0304-4	1/4	7/16-20	
0304-5	5/16	1/2-20	
0304-6	3/8	9/16-18	
0304-8	1/2	3/4-16	
0304-10	5/8	7/8-14	
0304-12	3/4	1-1/16-12	
0304-16	1	1-5/16-12	

JIC TUBE NUT

(SLEEVE REQUIRED)

SAE 070110
MS 51531

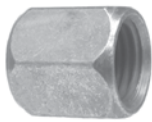


318
1290
BTX
1311
C5105

Part #	Tube O.D	JIC Thread Size	
0318-2	1/8	5/16-24	
0318-3	3/16	3/8-24	
0318-4	1/4	7/16-20	
0318-5	5/16	1/2-20	
0318-6	3/8	9/16-18	
0318-8	1/2	3/4-16	
0318-10	5/8	7/8-14	
0318-12	3/4	1-1/16-12	
0318-14	7/8	1-3/16-12	
0318-16	1	1-5/16-12	
0318-20	1-1/4	1-5/8-12	
0318-24	1-1/2	1-7/8-12	
0318-32	2	2-1/2-12	

JIC CAP

SAE 070112
MS 51532



820
304
210292
FNTX
1329
C5129

Part #	Tube O.D.	JIC Thread Size	
0304-C-2	1/8	5/16-24	
0304-C-3	3/16	3/8-24	
0304-C-4	1/4	7/16-20	
0304-C-5	5/16	1/2-20	
0304-C-6	3/8	9/16-18	
0304-C-8	1/2	3/4-16	
0304-C-10	5/8	7/8-14	
0304-C-12	3/4	1-1/16-12	
0304-C-14	7/8	1-3/16-12	
0304-C-16	1	1-5/16-12	
0304-C-20	1-1/4	1-5/8-12	
0304-C-24	1-1/2	1-7/8-12	
0304-C-32	2	2-1/2-12	

JIC TUBE SLEEVE

SAE 070115
MS 51533



319
900605
TX
1253
C5165

Part #	Tube O.D	
0319-2	1/8	
0319-3	3/16	
0319-4	1/4	
0319-5	5/16	
0319-6	3/8	
0319-8	1/2	
0319-10	5/8	
0319-12	3/4	
0319-14	7/8	
0319-16	1	
0319-20	1-1/4	
0319-24	1-1/2	
0319-32	2	

HYDRAULIC

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STRAIGHTS STEEL JIC FLARE 37°

HYDRAULIC ADAPTERS

JIC TUBE UNION

SAE 070101
MS 51501



2403
2027
HTX
1204
C5305

Part #	JIC Thread Size 1	JIC Thread Size 2	
2403-2-2	5/16-24	5/16-24	
2403-3-3	3/8-24	3/8-24	
2403-4-4	7/16-20	7/16-20	
2403-5-5	1/2-20	1/2-20	
2403-6-6	9/16-18	9/16-18	
2403-6-4	9/16-18	7/16-20	
2403-8-8	3/4-16	3/4-16	
2403-8-4	3/4-16	7/16-20	
2403-8-6	3/4-16	9/16-18	
2403-10-10	7/8-14	7/8-14	
2403-10-6	7/8-14	9/16-18	
2403-10-8	7/8-14	3/4-16	
2403-12-12	1-1/16-12	1-1/16-12	
2403-12-6	1-1/16-12	9/16-18	
2403-12-8	1-1/16-12	3/4-16	
2403-12-10	1-1/16-12	7/8-14	
2403-14-14	1-3/16-12	1-3/16-12	
2403-16-16	1-5/16-12	1-5/16-12	
2403-16-12	1-5/16-12	1-1/16-12	
2403-20-20	1-5/8-12	1-5/8-12	
2403-20-16	1-5/8-12	1-5/16-12	
2403-24	1-7/8-12	1-7/8-12	
2403-24-20	1-7/8-12	1-5/8-12	
2403-32	2-1/2-12	2-1/2-12	

JIC MALE CONNECTOR

SAE 070102
MS 51500



2404
2021R
FTX
1202R
C5205
816

Part #	JIC Thread Size 1	Male Pipe Thread 2	
2404-2-2	5/16-24	1/8	
2404-2-4	5/16-24	1/4	
2404-4-2	7/16-20	1/8	
2404-4-4	7/16-20	1/4	
2404-4-6	7/16-20	3/8	
2404-4-8	7/16-20	1/2	
2404-6-2	9/16-18	1/8	
2404-6-4	9/16-18	1/4	
2404-6-6	9/16-18	3/8	
2404-6-8	9/16-18	1/2	
2404-6-12	9/16-18	3/4	
2404-8-4	3/4-16	1/4	
2404-8-6	3/4-16	3/8	
2404-8-8	3/4-16	1/2	
2404-8-12	3/4-16	3/4	
2404-8-16	3/4-16	1	
2404-10-4	7/8-14	1/4	
2404-10-8	7/8-14	1/2	
2404-10-12	7/8-14	3/4	
2404-10-16	7/8-14	1	
2404-12-6	1-1/16-12	3/8	
2404-12-8	1-1/16-12	1/2	
2404-12-12	1-1/16-12	3/4	
2404-12-16	1-1/16-12	1	
2404-12-20	1-1/16-12	1-1/4	
2404-14-12	1-3/16-12	3/4	
2404-16-12	1-5/16-12	3/4	
2404-16-16	1-5/16-12	1	
2404-20-12	1-5/8-12	3/4	
2404-20-16	1-5/8-12	1	
2404-20-20	1-5/8-12	1-1/4	
2404-20-24	1-5/8-12	1-1/2	
2404-24-16	1-7/8-12	1	
2404-24-20	1-7/8-12	1-1/4	
2404-24-24	1-7/8-12	1-1/2	
2404-24-32	1-7/8-12	2	
2404-32-20	2-1/2-12	1-1/4	
2404-32-24	2-1/2-12	1-1/2	
2404-32-32	2-1/2-12	2	

HYDRAULIC

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HYDRAULIC ADAPTERS

STRAIGHTS STEEL JIC FLARE 37°

JIC FEMALE CONNECTOR

SAE 070103
MS 51503



2405
2022R
GTX
1230R
C5255

Part #	JIC Thread Size 1	Female Pipe Size 2	
2405-2-2	5/16-24	1/8	
2405-3-2	3/8-24	1/8	
2405-4-2	7/16-20	1/8	
2405-4-4	7/16-20	1/4	
2405-5-2	1/2-20	1/8	
2405-5-4	1/2-20	1/4	
2405-6-2	9/16-18	1/8	
2405-6-4	9/16-18	1/4	
2405-6-6	9/16-18	3/8	
2405-6-8	9/16-18	1/2	
2405-8-4	3/4-16	1/4	
2405-8-6	3/4-16	3/8	
2405-8-8	3/4-16	1/2	
2405-8-12	3/4-16	3/4	
2405-10-6	7/8-14	3/8	
2405-10-8	7/8-14	1/2	
2405-10-12	7/8-14	3/4	
2405-12-8	1-1/16-12	1/2	
2405-12-12	1-1/16-12	3/4	
2405-12-16	1-1/16-12	1	
2405-14-12	1-3/16-12	3/4	
2405-16-12	1-5/16-12	3/4	
2405-16-16	1-5/16-12	1	
2405-16-20	1-5/16-12	1-1/4	
2405-20-20	1-5/8-12	1-1/4	
2405-24-24	1-7/8-12	1-1/2	
2405-32-32	2-1/2-12	2	

JIC REDUCER/ EXPANDER



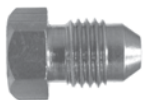
2406
C5015
2215
TRTX
1246

Part #	JIC Thread Size 1	JIC Thread Size 2	
2406-6-4	9/16-18	7/16-20	
2406-6-8	9/16-18	3/4-16	
2406-8-4	3/4-16	7/16-20	
2406-8-6	3/4-16	9/16-18	
2406-8-12*	3/4-16	1-1/16-12	
2406-10-4	7/8-14	7/16-20	
2406-10-6	7/8-14	9/16-18	
2406-10-8	7/8-14	3/4-16	
2406-12-4	1-1/16-12	7/16-20	
2406-12-6	1-1/16-12	9/16-18	
2406-12-8	1-1/16-12	3/4-16	
2406-12-10	1-1/16-12	7/8-14	
2406-14-8	1-3/16-12	3/4-16	
2406-14-10	1-3/16-12	7/8-14	
2406-14-12	1-3/16-12	1-1/16-12	
2406-16-4	1-5/16-12	7/16-20	
2406-16-6	1-5/16-12	9/16-18	
2406-16-8	1-5/16-12	3/4-16	
2406-16-12	1-5/16-12	1-1/16-12	
2406-16-20*	1-5/16-12	1-5/8-12	
2406-20-8	1-5/8-12	3/4-16	
2406-20-12	1-5/8-12	1-1/16-12	
2406-20-16	1-5/8-12	1-5/16-12	
2406-24-16	1-7/8-12	1-5/16-12	
2406-24-20	1-7/8-12	1-5/8-12	
2406-32-24	2-1/2-12	1-7/8-12	

STRAIGHTS STEEL JIC FLARE 37°

SAE 070109
MS 51518

PLUG



2408
430549
PNTX
1254
C5229

Part #	Tube O.D.	JIC Thread Size	
2408-2	1/8	5/16-24	
2408-3	3/16	3/8-24	
2408-4	1/4	7/16-20	
2408-5	5/16	1/2-20	
2408-6	3/8	9/16-18	
2408-8	1/2	3/4-16	
2408-10	5/8	7/8-14	
2408-12	3/4	1-1/16-12	
2408-14	7/8	1-3/16-12	
2408-16	1	1-5/16-12	
2408-20	1-1/4	1-5/8-12	
2408-24	1-1/2	1-7/8-12	
2408-32	2	2-1/2-12	

Some available in Stainless Steel

SAE 070201
MS 51505

JIC UNION ELBOW



2500
2039
1234
C5505
821

Part #	JIC Thread Size 1	JIC Thread Size 2	
2500-2-2	5/16-24	5/16-24	
2500-4-4	7/16-20	7/16-20	
2500-5-5	1/2-20	1/2-20	
2500-6-6	9/16-18	9/16-18	
2500-6-4	9/16-18	7/16-20	
2500-8-8	3/4-16	3/4-16	
2500-8-6	3/4-16	9/16-18	
2500-10-10	7/8-14	7/8-14	
2500-10-8	7/8-14	3/4-16	
2500-12-12	1-1/16-12	1-1/16-12	
2500-12-8	1-1/16-12	3/4-16	
2500-14-14	1-3/16-12	1-3/16-12	
2500-16-16	1-5/16-12	1-5/16-12	
2500-16-12	1-5/16-12	1-1/16-12	
2500-20-20	1-5/8-12	1-5/8-12	
2500-24-24	1-7/8-12	1-7/8-12	
2500-32-32	2-1/2-12	2-1/2-12	

*Some available in Stainless Steel
More sizes available*

HYDRAULIC ADAPTERS

STEEL 37° JIC FLARE SHAPES

SAE 070202
MS 51504

JIC MALE ELBOW



1208R
C5405
2501
2024R
CTX
822

Part #	JIC Thread Size 1	Male Pipe Size 2	
2501-2-2	5/16-24	1/8	
2501-4-2	7/16-20	1/8	
2501-4-4	7/16-20	1/4	
2501-4-6	7/16-20	3/8	
2501-4-8	7/16-20	1/2	
2501-6-2	9/16-18	1/8	
2501-6-4	9/16-18	1/4	
2501-6-6	9/16-18	3/8	
2501-6-8	9/16-18	1/2	
2501-8-4	3/4-16	1/4	
2501-8-6	3/4-16	3/8	
2501-8-8	3/4-16	1/2	
2501-8-12	3/4-16	3/4	
2501-10-6	7/8-14	3/8	
2501-10-8	7/8-14	1/2	
2501-10-12	7/8-14	3/4	
2501-12-6	1-1/16-12	3/8	
2501-12-8	1-1/16-12	1/2	
2501-12-12	1-1/16-12	3/4	
2501-12-16	1-1/16-12	1	
2501-16-12	1-5/16-12	3/4	
2501-16-16	1-5/16-12	1	
2501-16-20	1-5/16-12	1-1/4	
2501-20-16	1-5/8-12	1	
2501-20-20	1-5/8-12	1-1/4	
2501-20-24	1-5/8-12	1-1/2	
2501-24-20	1-7/8-12	1-1/4	
2501-24-24	1-7/8-12	1-1/2	
2501-32-24	2-1/2-12	1-1/2	
2501-32-32	2-1/2-12	2	

Some sizes available in Stainless Steel

HYDRAULIC ADAPTERS

SHAPES STEEL JIC FLARE 37°

JIC FEMALE ELBOW

SAE 070203
MS 51506



2502
2025R
DTX
1240R
C5455

Part #	JIC Thread Size 1	Female Pipe Size 2	
2502-4-2	7/16-20	1/8	
2502-4-4	7/16-20	1/4	
2502-4-6	7/16-20	3/8	
2502-5-2	1/2-20	1/8	
2502-6-2	9/16-18	1/8	
2502-6-4	9/16-18	1/4	
2502-6-6	9/16-18	3/8	
2502-6-8	9/16-18	1/2	
2502-8-4	3/4-16	1/4	
2502-8-6	3/4-16	3/8	
2502-8-8	3/4-16	1/2	
2502-8-12	3/4-16	3/4	
2502-10-6	7/8-14	3/8	
2502-10-8	7/8-14	1/2	
2502-12-8	1-1/16-12	1/2	
2502-12-12	1-1/16-12	3/4	
2502-14-12	1-3/16-12	3/4	
2502-16-12	1-5/16-12	3/4	
2502-16-16	1-5/16-12	1	
2502-20-20	1-5/8-12	1-1/4	
2502-24-24	1-7/8-12	1-1/2	
2502-32-32	2-1/2-12	2	

JIC MALE 45° ELBOW

SAE 070302
MS 51508



2503
2023R
VTX
1206R
C5355
823

Part #	JIC Thread Size 1	Male Pipe Size 2	
2503-2-2	5/16-24	1/8	
2503-3-2	3/8-24	1/8	
2503-4-2	7/16-20	1/8	
2503-4-4	7/16-20	1/4	
2503-6-2	9/16-18	1/8	
2503-6-4	9/16-18	1/4	
2503-6-6	9/16-18	3/8	
2503-6-8	9/16-18	1/2	
2503-6-12	9/16-18	3/4	
2503-8-4	3/4-16	1/4	
2503-8-6	3/4-16	3/8	
2503-8-8	3/4-16	1/2	
2503-8-12	3/4-16	3/4	
2503-10-6	7/8-14	3/8	
2503-10-8	7/8-14	1/2	
2503-10-12	7/8-14	3/4	
2503-12-8	1-1/16-12	1/2	
2503-12-12	1-1/16-12	3/4	
2503-12-16	1-1/16-12	1	
2503-14-12	1-3/16-12	3/4	
2503-16-12	1-5/16-12	3/4	
2503-16-16	1-5/16-12	1	
2503-16-20	1-5/16-12	1-1/4	
2503-20-16	1-5/8-12	1	
2503-20-20	1-5/8-12	1-1/4	
2503-24-24	1-7/8-12	1-1/2	
2503-32-32	2-1/2-12	2	

JIC MALE BRANCH TEE



2601
2030R
STX
1221R
C5605

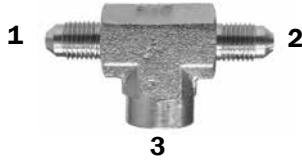
Part #	JIC Thread Size 1&2	Pipe Thread Size 3	
2601-3-2	3/8-24	1/8	
2601-4-2	7/16-20	1/8	
2601-4-4	7/16-20	1/4	
2601-6-4	9/16-18	1/4	
2601-6-6	9/16-18	3/8	
2601-8-6	3/4-16	3/8	
2601-8-8	3/4-16	1/2	
2601-12-8	1-1/16-12	1/2	
2601-12-12	1-1/16-12	3/4	
2601-16-12	1-5/16-12	3/4	
2601-16-16	1-5/16-12	1	
2601-20-20	1-5/8-12	1-1/4	
2601-24-24	1-7/8-12	1-1/2	

SHAPES STEEL JIC FLARE 37°

HYDRAULIC ADAPTERS

JIC FEMALE BRANCH TEE

SAE 070427
MS 51513

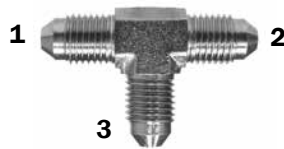


2602
2031R
OTX
1228R
C6566

Part #	JIC Thread Size 1 & 2	Female Pipe Size 3	
2602-4-2	7/16-20	1/8	
2602-4-4	7/16-20	1/4	
2602-6-4	9/16-18	1/4	
2602-6-6	9/16-18	3/8	
2602-8-8	3/4-16	1/2	
2602-12-12	1-1/16-12	3/4	
2602-16-16	1-5/16-12	1	
2602-20-20	1-5/8-12	1-1/4	
2602-24-24	1-7/8-12	1-1/2	

JIC UNION TEE

SAE 070401
MS 51510



2603
2033
JTX
1220
C5705

Part #	JIC Thread Size 1 & 2	JIC Thread Size 3	
2603-2-2	5/16-24	5/16-24	
2603-3-3	3/8-24	3/8-24	
2603-4-4	7/16-20	7/16-20	
2603-5-5	1/2-20	1/2-20	
2603-6-6	9/16-18	9/16-18	
2603-8-8	3/4-16	3/4-16	
2603-10-10	7/8-14	7/8-14	
2603-12-12	1-1/16-12	1-1/16-12	
2603-16-16	1-5/16-12	1-5/16-12	
2603-20-20	1-5/8-12	1-5/8-12	
2603-24-24	1-7/8-12	1-7/8-12	
2603-32-32	2-1/2-12	2-1/2-12	94.07

STEEL BULKHEAD FITTINGS

SAE 070118
MS 51860



1306
894
210212
WLN
1332
C5624

* Lock Nut no longer included on fittings

Part #	Thread Size	
0306-2	5/16-24	
0306-4	7/16-20	
0306-5	1/2-20	
0306-6	9/16-18	
0306-8	3/4-16	
0306-10	7/8-14	
0306-12	1-1/16-12	
0306-14	1-3/16-12	
0306-16	1-5/16-12	
0306-20	1-5/8-12	
0306-24	1-7/8-12	
0306-32	2-1/2-12	7.08

JIC BULKHEAD UNION

SAE 070601
MS 51520



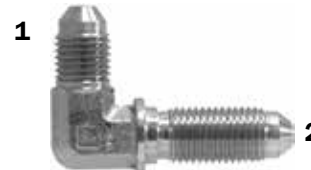
2700
2041R
WTX
1260
C5325

Part #	JIC Thread Size 1	JIC Thread Size 2	
2700-2-2	5/16-24	5/16-24	
2700-4-4	7/16-20	7/16-20	
2700-5-5	1/2-20	1/2-20	
2700-6-6	9/16-18	9/16-18	
2700-8	3/4-16	3/4-16	
2700-10	7/8-14	7/8-14	
2700-12	1-1/16-12	1-1/16-12	
2700-14	1-3/16-12	1-3/16-12	
2700-16	1-5/16-12	1-5/16-12	
2700-20	1-5/8-12	1-5/8-12	
2700-24	1-7/8-12	1-7/8-12	
2700-32	2-1/2-12	2-1/2-12	92.39

* Lock Nuts sold separately

JIC BULKHEAD UNION ELBOW

SAE 070701
MS 51507



2701
2043R
WETX
1262
C5525

Part #	JIC Thread Size 1	JIC Bulkhead Thread 2	
2701-4	7/16-20	7/16-20	
2701-5	1/2-20	1/2-20	
2701-6	9/16-18	9/16-18	
2701-8	3/4-16	3/4-16	
2701-10	7/8-14	7/8-14	
2701-12	1-1/16-12	1-1/16-12	
2701-16	1-5/16-12	1-5/16-12	
2701-20	1-5/8-12	1-5/8-12	
2701-24	1-7/8-12	1-7/8-12	

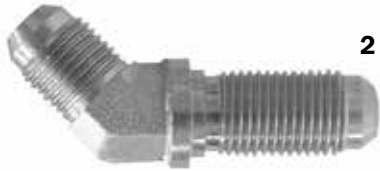
* Lock Nuts sold separately

HYDRAULIC ADAPTERS

JIC BULKHEAD UNION 45° ELBOW

SAE 070801
MS 51509

1



2

2702
2042
WNTX
1261
C5375

Part #	JIC Thread Size 1	JIC Thread Size 2	
2702-4	7/16-20	7/16-20	
2702-6	9/16-18	9/16-18	
2702-8	3/4-16	3/4-16	
2702-10	7/8-14	7/8-14	
2702-12	1-1/16-12	1-1/16-12	
2702-16	1-5/16-12	1-5/16-12	
2702-20	1-5/8-12	1-5/8-12	

JIC BULKHEAD BRANCH TEE

SAE 070959
MS 51515

1



2

2703
203002
WJT
1283
C5725

3

Part #	JIC Thread Size 1&2	JIC Thread Size 3	
2703-4	7/16-20	7/16-20	
2703-6	9/16-18	9/16-18	
2703-8	3/4-16	3/4-16	
2703-10	7/8-14	7/8-14	
2703-12	1-1/16-12	1-1/16-12	
2703-16	1-5/16-12	1-5/16-12	
2703-20	1-5/8-12	1-5/8-12	

JIC BULKHEAD RUN TEE

SAE 070958
MS 51516

1



2

2704
203008
WJTT
1284
C5726

3

Part #	JIC Thread Size 1&3	JIC Thread Size 2	
2704-4	7/16-20	7/16-20	
2704-6	9/16-18	9/16-18	
2704-8	3/4-16	3/4-16	
2704-10	7/8-14	7/8-14	
2704-12	1-1/16-12	1-1/16-12	
2704-16	1-5/16-12	1-5/16-12	

STEEL BULKHEAD FITTINGS

JIC TO FEMALE PIPE BULKHEAD

1



2

2705
2239
WGTX
C5275

Part #	JIC Thread Size 1	Female Pipe Size 2	
2705-4-2	7/16-20	1/8	
2705-4-4	7/16-20	1/4	
2705-6-6	9/16-18	3/8	
2705-8-6	3/4-16	3/8	
2705-8-8	3/4-16	1/2	
2705-10-8	7/8-14	1/2	
2705-12-12	1-1/16-12	3/4	
2705-16-16	1-5/16-12	1	
2705-20-20	1-5/8-12	1-1/4	
2705-24-24	1-7/8-12	1-1/2	

JIC TO MALE PIPE BULKHEAD

1



2

2706
2240

Part #	JIC Thread Size 1	Pipe Thread Size 2	
2706-4-2	7/16-20	1/8	
2706-4-4	7/16-20	1/4	
2706-6-6	9/16-18	3/8	
2706-8-6	3/4-16	3/8	
2706-8-8	3/4-16	1/2	
2706-12-12	1-1/16-12	3/4	
2706-16-16	1-5/16-12	1	
2706-20-20	1-5/8-12	1-1/4	
2706-24-24	1-7/8-12	1-1/2	

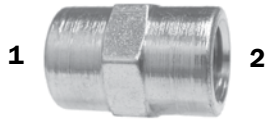
** Lock Nuts sold separately - pg. 398*

STEEL PIPE FITTINGS

SAE 140138

PIPE COUPLING

5000 910
2096
GG
1273
C3309



Part #	Female Pipe 1	Female Pipe 2	
5000-2	1/8	1/8	
5000-4-2	1/4	1/8	
5000-4	1/4	1/4	
5000-6-4	3/8	1/4	
5000-6-6	3/8	3/8	
5000-8-4	1/2	1/4	
5000-8-6	1/2	3/8	
5000-8	1/2	1/2	
5000-12-6	3/4	3/8	
5000-12-8	3/4	1/2	
5000-12-12	3/4	3/4	
5000-16-12	1	3/4	
5000-16	1	1	
5000-20-16	1-1/4	1	
5000-20-20	1-1/4	1-1/4	
5000-24	1-1/2	1-1/2	
5000-32	2	2	

SAE 140137

HEX PIPE NIPPLES

5404 C3069
2083 911
FF
1252



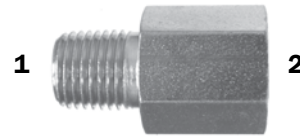
Part #	Male Pipe 1	Male Pipe 2	
5404-2	1/8	1/8	
5404-4-2	1/4	1/8	
5404-4	1/4	1/4	
5404-6-2	3/8	1/8	
5404-6-4	3/8	1/4	
5404-6	3/8	3/8	
5404-8-4	1/2	1/4	
5404-8-6	1/2	3/8	
5404-8	1/2	1/2	
5404-12-6	3/4	3/8	
5404-12-8	3/4	1/2	
5404-12	3/4	3/4	
5404-16-12	1	3/4	
5404-16	1	1	
5404-20-16	1-1/4	1	
5404-20	1-1/4	1-1/4	
5404-24-20	1-1/2	1-1/4	
5404-24	1-1/2	1-1/2	
5404-32-24	2	1-1/2	
5404-32	2	2	

HYDRAULIC ADAPTERS

SAE 140139

EXPANDING PIPE ADAPTER

920
5405
2040
FG-(R)
1274
C3209(R)



Part #	Male Pipe 1	Female Pipe 2	
5405-2-2	1/8	1/8	
5405-2-4	1/8	1/4	
5405-4-2	1/4	1/8	
5405-4-4	1/4	1/4	
5405-6-4	3/8	1/4	
5405-6-6	3/8	3/8	
5405-6-8	3/8	1/2	
5405-8-8	1/2	1/2	
5405-8-12	1/2	3/4	
5405-12-12	3/4	3/4	
5405-16-16	1	1	
5405-16-20	1	1-1/4	
5405-20-20	1-1/4	1-1/4	
5405-20-24	1-1/4	1-1/2	
5405-24-24	1-1/2	1-1/2	
5405-32-32	2	2	

HYDRAULIC ADAPTERS

STEEL PIPE FITTINGS

HEX REDUCER BUSHING

SAEF1
140140



5406
2081
PTR
1250
C3109
912

Part #	Male Pipe	Female Pipe	
5406-4-2	1/4	1/8	
5406-6-2	3/8	1/8	
5406-6-4	3/8	1/4	
5406-8-2	1/2	1/8	
5406-8-4	1/2	1/4	
5406-8-6	1/2	3/8	
5406-12-2	3/4	1/8	
5406-12-4	3/4	1/4	
5406-12-6	3/4	3/8	
5406-12-8	3/4	1/2	
5406-16-4	1	1/4	
5406-16-6	1	3/8	
5406-16-8	1	1/2	
5406-16-12	1	3/4	
5406-20-4	1-1/4	1/4	
5406-20-6	1-1/4	3/8	
5406-20-8	1-1/4	1/2	
5406-20-12	1-1/4	3/4	
5406-20-16	1-1/4	1	
5406-24-6	1-1/2	3/8	
5406-24-8	1-1/2	1/2	
5406-24-16	1-1/2	1	
5406-24-20	1-1/2	1-1/4	
5406-32-12	2	3/4	
5406-32-16	2	1	
5406-32-20	2	1-1/4	
5406-32-24	2	1-1/2	

HOLLOW HEX PLUG

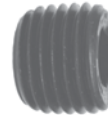
SAE 130109



C3169
2222

Part #	Male Pipe	
5406-HHP-2	1/8	
5406-HHP-4	1/4	
5406-HHP-6	3/8	
5406-HHP-8	1/2	
5406-HHP-12	3/4	
5406-HHP-16	1	
5406-HHP-20	1-1/4	
5406-HHP-24	1-1/2	

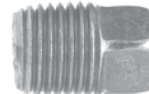
FLUSH HOLLOW HEX PLUG W/ 7/8 TAPER



Part #	Male Pipe	
5406-FLP-2	1/8	
5406-FLP-4	1/4	
5406-FLP-6	3/8	
5406-FLP-8	1/2	
5406-FLP-12	3/4	

SQUARE HEAD PLUG

SAE 130109A



C3179

Part #	Male Pipe	
5406-SHP-2	1/8	
5406-SHP-4	1/4	
5406-SHP-6	3/8	
5406-SHP-8	1/2	
5406-SHP-12	3/4	
5406-SHP-16	1	
5406-SHP-20	1-1/4	
5406-SHP-24	1-1/2	
5406-SHP-32	2	

HEX HEAD PLUG

SAE 130109E



933
5406P
2082
HP
1251
C3159

Part #	Male Pipe	
5406-P-2	1/8	
5406-P-4	1/4	
5406-P-6	3/8	
5406-P-8	1/2	
5406-P-12	3/4	
5406-P-16	1	
5406-P-20	1-1/4	
5406-P-24	1-1/2	
5406-P-32	2	

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HYDRAULIC

STEEL PIPE FITTINGS

HYDRAULIC ADAPTERS

PIPE CAP

HPC



Part #	Female Pipe	
5406-C-2	1/8	
5406-C-4	1/4	
5406-C-6	3/8	
5406-C-8	1/2	
5406-C-12	3/4	
5406-C-16	1	

MALE ELBOW

919

SAE 140237



5500
2085
CR
1275
C3529

Part #	Male Pipe 1	Male Pipe 2	
5500-2	1/8	1/8	
5500-4	1/4	1/4	
5500-6	3/8	3/8	
5500-8-4	1/2	1/4	
5500-8-6	1/2	3/8	
5500-8	1/2	1/2	
5500-12-8	3/4	1/2	
5500-12-12	3/4	3/4	
5500-16	1	1	
5500-16-12	1	3/4	
5500-20-20	1-1/4	1-1/4	
5500-24	1-1/2	1-1/2	
5500-32	2	2	

45° MALE ELBOW

5501
2247



Part #	Male Pipe 1	Male Pipe 2	
5501-2-2	1/8	1/8	
5501-4-4	1/4	1/4	
5501-6-6	3/8	3/8	
5501-8-8	1/2	1/2	
5501-12-12	3/4	3/4	
5501-16-16	1	1	

90° STREET ELBOW

5502
2089
CD
1234R
C3409
914

SAE 140239



Part #	Male Pipe 1	Female Pipe 2	
5502-2	1/8	1/8	
5502-4	1/4	1/4	
5502-4-6	1/4	3/8	
5502-6-2	3/8	1/8	
5502-6-4	3/8	1/4	
5502-6	3/8	3/8	
5502-6-8	3/8	1/2	
5502-8-4	1/2	1/4	
5502-8-6	1/2	3/8	
5502-8-8	1/2	1/2	
5502-12-8	3/4	1/2	
5502-12	3/4	3/4	
5502-12-16	3/4	1	
5502-16-12	1	3/4	
5502-16-16	1	1	
5502-16-20	1	1-1/4	
5502-20-16	1-1/4	1	
5502-20	1-1/4	1-1/4	
5502-24	1-1/2	1-1/2	
5502-32	2	2	

45° STREET ELBOW

SAE 140339



5503
CD45
1244

Part #	Male Pipe 1	Female Pipe 2	
5503-2	1/8	1/8	
5503-4	1/4	1/4	
5503-6	3/8	3/8	
5503-8	1/2	1/2	
5503-12-12	3/4	3/4	
5503-16	1	1	
5503-20	1-1/4	1-1/4	
5503-24	1-1/2	1-1/2	

45° FEMALE ELBOW

SAE 140338



5505
DD45
1241
C3559

Part #	Female Pipe 1	Female Pipe 2	
5505-4	1/4	1/4	
5505-6	3/8	3/8	
5505-8	1/2	1/2	
5505-12	3/4	3/4	
5505-16	1	1	
5505-20	1-1/4	1-1/4	

FEMALE ELBOW

SAE 140238



5504
2087
DD
1245
C3509
916

Part #	Female Pipe 1	Female Pipe 2	
5504-2	1/8	1/8	
5504-4-2	1/4	1/8	
5504-4	1/4	1/4	
5504-6-4	3/8	1/4	
5504-6	3/8	3/8	
5504-8-6	1/2	3/8	
5504-8	1/2	1/2	
5504-12-8	3/4	1/2	
5504-12	3/4	3/4	
5504-16-12	1	3/4	
5504-16	1	1	
5504-20	1-1/4	1-1/4	
5504-24	1-1/2	1-1/2	
5504-32	2	2	


More sizes available

STEEL PIPE FITTINGS

HYDRAULIC ADAPTERS

SAE 140437

MALE PIPE TEE



5600
2257
RRS

Part #	Male Pipe 1 & 2	Male Pipe 3	
5600-2-2	1/8	1/8	
5600-4-4	1/4	1/4	
5600-6-6	3/8	3/8	
5600-8-8	1/2	1/2	
5600-12	3/4	3/4	
5600-16	1	1	
5600-20	1-1/4	1-1/4	
5600-24	1-1/2	1-1/2	

SAE 1404276

FEMALE RUN PIPE TEE




5603
2093
MMO
1277

Part #	Male Pipe 1 & 3	Female Pipe 2	
5603-2-2	1/8	1/8	
5603-4-4	1/4	1/4	
5603-6-6	3/8	3/8	
5603-8-8	1/2	1/2	
5603-12	3/4	3/4	
5603-16	1	1	
5603-20	1-1/4	1-1/4	
5603-24	1-1/2	1-1/2	

SAE 140427

FEMALE BRANCH PIPE TEE



901
5601
2256

Part #	Male Pipe 1 & 2	Female Pipe 3	
5601-2-2	1/8	1/8	
5601-4-4	1/4	1/4	
5601-6-6	3/8	3/8	
5601-8	1/2	1/2	
5601-12	3/4	3/4	
5601-16	1	1	
5601-20	1-1/4	1-1/4	
5601-24	1-1/2	1-1/2	

904
5604
2091
MMS
1278
C3609

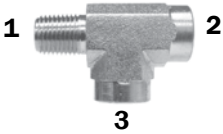
MALE BRANCH PIPE TEE



Part #	Female Pipe 1 & 2	Male Pipe 3	
5604-2-2	1/8	1/8	
5604-4-4	1/4	1/4	
5604-6-6	3/8	3/8	
5604-8-8	1/2	1/2	
5604-12	3/4	3/4	
5604-16	1	1	
5604-20	1-1/4	1-1/4	
5604-24	1-1/2	1-1/2	75.45

SAE 140424

STREET PIPE TEE



902
5602
2092
MRO
1276
C3759

Part #	Male Pipe 1	Female Pipe 2 & 3	
5602-2-2	1/8	1/8	
5602-4-4	1/4	1/4	
5602-6-6	3/8	3/8	
5602-8-8	1/2	1/2	
5602-12	3/4	3/4	
5602-16	1	1	
5602-20	1-1/4	1-1/4	
5602-24	1-1/2	1-1/2	

SAE 140438

FEMALE PIPE TEE



917
5605
2090
1225
C3709

Part #	Female Pipe	
5605-2-2	1/8	
5605-4-4	1/4	
5605-6-6	3/8	
5605-8	1/2	
5605-12	3/4	
5605-16	1	
5605-20	1-1/4	
5605-24	1-1/2	
5605-32	2	

More sizes available

HYDRAULIC

HYDRAULIC ADAPTERS

JIC TO O-RING CONNECTOR

SAE 070120
MS 51525



1

2

6400
202702R
F50X
1231
C5315

Part #	JIC Thread Size 1	O-Ring Thread 2	
6400-2	5/16-24	5/16-24	
6400-3	3/8-24	3/8-24	
6400-4	7/16-20	7/16-20	
6400-4-2	7/16-20	5/16-24	
6400-4-3	7/16-20	3/8-24	
6400-4-5	7/16-20	1/2-20	
6400-4-6	7/16-20	9/16-18	
6400-4-8	7/16-20	3/4-16	
6400-5	1/2-20	1/2-20	
6400-5-4	1/2-20	7/16-20	
6400-5-6	1/2-20	9/16-18	
6400-6	9/16-18	9/16-18	
6400-6-4	9/16-18	7/16-20	
6400-6-5	9/16-18	1/2-20	
6400-6-8	9/16-18	3/4-16	
6400-6-10	9/16-18	7/8-14	
6400-6-12	9/16-18	1-1/16-12	
6400-6-16	9/16-18	1-5/16-12	
6400-8	3/4-16	3/4-16	
6400-8-4	3/4-16	7/16-20	
6400-8-6	3/4-16	9/16-18	
6400-8-10	3/4-16	7/8-14	
6400-8-12	3/4-16	1-1/16-12	
6400-8-16	3/4-16	1-5/16-12	
6400-10	7/8-14	7/8-14	
6400-10-6	7/8-14	9/16-18	
6400-10-8	7/8-14	3/4-16	
6400-10-12	7/8-14	1-1/16-12	
6400-10-16	7/8-14	1-5/16-12	
6400-12	1-1/16-12	1-1/16-12	
6400-12-6	1-1/16-12	3/8	
6400-12-8	1-1/16-12	3/4-16	
6400-12-10	1-1/16-12	7/8-14	
6400-12-14	1-1/16-12	1-3/16-12	
6400-12-16	1-1/16-12	1-5/16-12	
6400-14	1-3/16-12	1-3/16-12	
6400-16	1-5/16-12	1-5/16-12	
6400-16-8	1-5/16-12	3/4-16	
6400-16-10	1-5/16-12	7/8-14	
6400-16-12	1-5/16-12	1-1/16-12	
6400-16-14	1-5/16-12	1-3/16-12	
6400-16-20	1-5/16-12	1-5/8-12	
6400-16-24	1-5/16-12	1-7/8-12	
6400-20	1-5/8-12	1-5/8-12	
6400-20-12	1-5/8-12	1-1/16-12	
6400-20-16	1-5/8-12	1-5/16-12	
6400-20-24	1-5/8-12	1-7/8-12	
6400-24	1-7/8-12	1-7/8-12	
6400-24-20	1-7/8-12	1-5/8-12	
6400-24-32	1-7/8-12	2-1/2-12	
6400-32	2-1/2-12	2-1/2-12	

Some Restrictors available on a special order basis.

STEEL O-RING ADAPTERS

O-RING TO PIPE ADAPTER



1

2

6401
F5X
1264R
C3249

Part #	O-Ring Thread 1	Male Pipe Thread 2	
6401-4-2	7/16-20	1/8	
6401-4-4	7/16-20	1/4	
6401-4-6	7/16-20	3/8	
6401-5-2	1/2-20	1/8	
6401-5-4	1/2-20	1/4	
6401-6-4	9/16-18	1/4	
6401-6-6	9/16-18	3/8	
6401-6-8	9/16-18	1/2	
6401-8-6	3/4-16	3/8	
6401-8-8	3/4-16	1/2	
6401-10-6	7/8-14	3/8	
6401-10-8	7/8-14	1/2	
6401-12-6	1-1/16-12	3/8	
6401-12-8	1-1/16-12	1/2	
6401-12-12	1-1/16-12	3/4	
6401-16-12	1-5/16-12	3/4	
6401-16-16	1-5/16-12	1	
6401-20-20	1-5/8-12	1-1/4	
6401-24-24	1-7/8-12	1-1/2	
6401-32-32	2-1/2-12	2	

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STEEL O-RING ADAPTERS

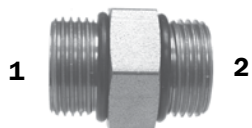
O-RING TO 37° JIC SWIVEL ADAPTER



6402
2266
F65X
1213
9316

Part #	O-Ring Thread 1	JIC Thread Size 2	
6402-O-4-4	7/16-20	7/16-20	
6402-O-6-6	9/16-18	9/16-18	
6402-O-6-8	9/16-18	3/4-16	
6402-O-8-8	3/4-16	3/4-16	
6402-O-8-6	3/4-16	9/16-18	
6402-O-10-10	7/8-14	7/8-14	
6402-O-12-12	1-1/16-12	1-1/16-12	
6402-O-16-12	1-5/16-12	1-1/16-12	
6402-O-16-16	1-5/16-12	1-5/16-12	
6402-O-20-20	1-5/8-12	1-5/8-12	
6402-O-24-24	1-7/8-12	1-7/8-12	

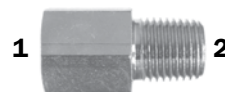
O-RING HEX NIPPLE UNION



Part #	O-Ring Thread 1	O-Ring Thread 2	
6403-O-6	9/16-18	9/16-18	
6403-O-8	3/4-16	3/4-16	
6403-O-10	7/8-14	7/8-14	
6403-O-12	1-1/16-12	1-1/16-12	
6403-O-16	1-5/16-12	1-5/16-12	

HYDRAULIC ADAPTERS

FEMALE O-RING TO MALE PIPE ADAPTER



6404
2246R
1267R
C3239
FHG5

Part #	O-Ring Thread 1	Male Pipe Thread 2	
6404-4-2	7/16-20	1/8	
6404-4-4	7/16-20	1/4	
6404-6-4	9/16-18	1/4	
6404-6-6	9/16-18	3/8	
6404-6-8	9/16-18	1/2	
6404-8-6	3/4-16	3/8	
6404-8-8	3/4-16	1/2	
6404-10-6	7/8-14	3/8	
6404-10-8	7/8-14	1/2	
6404-12-12	1-1/16-12	3/4	
6404-16-16	1-5/16-12	1	
6404-20-20	1-5/8-12	1-1/4	
6404-24-24	1-7/8-12	1-1/2	

HYDRAULIC ADAPTERS

STEEL O-RING ADAPTERS

O-RING TO FEMALE PIPE ADAPTER



6405
2216R
F50G
1268R
C3269

Part #	O-Ring Thread 1	Female Pipe Thread 2	
6405-O-2-2	5/16-24	1/8	
6405-O-4-2	7/16-20	1/8	
6405-O-4-4	7/16-20	1/4	
6405-O-4-6	7/16-20	3/8	
6405-O-6-2	9/16-18	1/8	
6405-O-6-4	9/16-18	1/4	
6405-O-6-6	9/16-18	3/8	
6405-O-8-4	3/4-16	1/4	
6405-O-8-6	3/4-16	3/8	
6405-O-8-8	3/4-16	1/2	
6405-O-10-4	7/8-14	1/4	
6405-O-10-6	7/8-14	3/8	
6405-O-10-8	7/8-14	1/2	
6405-O-12-6	1-1/16-12	3/8	
6405-O-12-8	1-1/16-12	1/2	
6405-O-12-12	1-1/16-12	3/4	
6405-O-14-12	1-3/16-12	3/4	
6405-O-16-8	1-5/16-12	1/2	
6405-O-16-12	1-5/16-12	3/4	
6405-O-16-16	1-5/16-12	1	
6405-O-20-20	1-5/8-12	1-1/4	
6405-O-20-24	1-5/8-12	1-1/2	
6405-O-24-16	1-7/8-12	1	
6405-O-24-20	1-7/8-12	1-1/4	
6405-O-24-24	1-7/8-12	1-1/2	
6405-O-32-32	2-1/2-12	2	

O-RING HEX HEAD PLUG

SAE 090109A



6408
900598
P50N
1265
7237

Part #	O-Ring Thread	
6408-O-2	5/16-24	
6408-O-4	7/16-20	
6408-O-5	1/2-20	
6408-O-6	9/16-18	
6408-O-8	3/4-16	
6408-O-10	7/8-14	
6408-O-12	1-1/16-12	
6408-O-14	1-3/16-20	
6408-O-16	1-5/16-12	
6408-O-20	1-5/8-12	
6408-O-24	1-7/8-12	
6408-O-32	2-1/2-12	

O-RING HOLLOW HEX HEAD PLUG

SAE 090109B



6408HHP
FF2138
HP50N
1256
7238
6409

Part #	O-Ring Thread	
6408-H-O-2	5/16-24	
6408-H-O-4	7/16-20	
6408-H-O-5	1/2-20	
6408-H-O-6	9/16-18	
6408-H-O-8	3/4-16	
6408-H-O-10	7/8-14	
6408-H-O-12	1-1/16-12	
6408-H-O-14	1-3/16-20	
6408-H-O-16	1-5/16-12	
6408-H-O-20	1-5/8-12	
6408-H-O-24	1-7/8-12	
6408-H-O-32	2-1/2-12	

STEEL O-RING ADAPTERS/SWIVELS

HYDRAULIC ADAPTERS

O-RING PORT REDUCER/EXPANDER



6410
FF1010
F50G5
1270
7033

Part #	O-Ring Thread 1	O-Ring Thread 2	
6410-O-4-4	7/16-20	7/16-20	
6410-O-4-6	7/16-20	9/16-18	
6410-O-6-4	9/16-18	7/16-20	
6410-O-6-8	9/16-18	3/4-16	
6410-O-8-4	3/4-16	7/16-20	
6410-O-8-6	3/4-16	9/16-18	
6410-O-8-8	3/4-16	3/4-16	
6410-O-10-4	7/8-14	7/16-20	
6410-O-10-6	7/8-14	9/16-18	
6410-O-10-8	7/8-14	3/4-16	
6410-O-12-4	1-1/16-12	7/16-20	
6410-O-12-6	1-1/16-12	9/16-18	
6410-O-12-8	1-1/16-12	3/4-16	
6410-O-12-10	1-1/16-12	7/8-14	
6410-O-12-12	1-1/16-12	1-1/16-12	
6410-O-16-6	1-5/16-12	9/16-18	
6410-O-16-8	1-5/16-12	3/4-16	
6410-O-16-10	1-5/16-12	7/8-14	
6410-O-16-12	1-5/16-12	1-1/16-12	
6410-O-20-12	1-5/8-12	1-1/16-12	
6410-O-20-16	1-5/8-12	1-5/16-12	
6410-O-24-12	1-7/8-12	1-1/16-12	
6410-O-24-16	1-7/8-12	1-5/16-12	
6410-O-24-20	1-7/8-12	1-5/8-12	

FEMALE SWIVELS JIC

JIC SWIVEL NUT ELBOW

SAE 070221
MS 51521



6500
2071R
C6X
1236
G5506

Part #	JIC Thread Size 1	JIC Thread Size 2	
6500-4	7/16-20	7/16-20	
6500-5	1/2-20	1/2-20	
6500-6	9/16-18	9/16-18	
6500-6-8	9/16-18	3/4-16	
6500-8	3/4-16	3/4-16	
6500-8-6	3/4-16	9/16-18	
6500-10	7/8-14	7/8-14	
6500-10-8	7/8-14	3/4-16	
6500-12	1-1/16-12	1-1/16-12	
6500-12-8	1-1/16-12	3/4-16	
6500-14	1-3/16-12	1-3/16-12	
6500-16	1-5/16-12	1-5/16-12	
6500-20	1-5/8-12	1-5/8-12	
6500-24	1-7/8-12	1-7/8-12	
6500-32	2-1/2-12	2-1/2-12	

JIC SWIVEL TO MALE PIPE ELBOW



6501
2250
1247R
TF5406

Part #	JIC Thread Size 1	Male Pipe Thread 2	
6501-4-2	7/16-20	1/8	
6501-4-4	7/16-20	1/4	
6501-6-4	9/16-18	1/4	
6501-6-6	9/16-18	3/8	
6501-8-6	3/4-16	3/8	
6501-8-8	3/4-16	1/2	
6501-10-8	7/8-14	1/2	
6501-12-12	1-1/16-12	3/4	
6501-16-16	1-5/16-12	1	
6501-20-20	1-5/8-12	1-1/4	
6501-24-24	1-7/8-12	1-1/2	

HYDRAULIC ADAPTERS

FEMALE SWIVELS

JIC SWIVEL 45° ELBOW

SAE 070321
MS 51522



6502
2070R
V6X
1237
C5356

Part #	JIC Thread Size 1	JIC Thread Size 2	
6502-4	7/16-20	7/16-20	
6502-6	9/16-18	9/16-18	
6502-8	3/4-16	3/4-16	
6502-10	7/8-14	7/8-14	
6502-12	1-1/16-12	1-1/16-12	
6502-16	1-5/16-12	1-5/16-12	
6502-20	1-5/8-12	1-5/8-12	
6502-24	1-7/8-12	1-7/8-12	
6502-32	2-1/2-12	2-1/2-12	

JIC SWIVEL TO FEMALE PIPE ELBOW



Part #	JIC Thread Size 1	Female Pipe Thread 2	
6503-4-4	7/16-20	1/4	
6503-6-4	9/16-18	1/4	
6503-6-6	9/16-18	3/8	
6503-8-8	3/4-16	1/2	
6503-12-12	1-1/16-12	3/4	

JIC SWIVEL CONNECTOR



6504
1205

Part #	JIC Thread Size 1	JIC Thread Size 2	
6504-4-4	7/16-20	7/16-20	
6504-6-4	9/16-18	7/16-20	
6504-6-6	9/16-18	9/16-18	
6504-8-6	3/4-16	9/16-18	
6504-8-8	3/4-16	3/4-16	
6504-10-10	7/8-14	7/8-14	
6504-12-12	1-1/16-12	1-1/16-12	
6504-16-16	1-5/16-12	1-5/16-12	
6504-20-20	1-5/8-12	1-5/8-12	
6504-24-24	1-7/8-12	1-7/8-12	

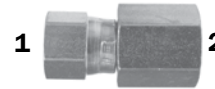
JIC SWIVEL TO MALE PIPE ADAPTER



6505
2018
F6X
1211
9100R

Part #	JIC Thread Size 1	Male Pipe Thread 2	
6505-2-4	5/16-24	1/4	
6505-4-2	7/16-20	1/8	
6505-4-4	7/16-20	1/4	
6505-5-4	1/2-20	1/4	
6505-6-4	9/16-18	1/4	
6505-6-6	9/16-18	3/8	
6505-8-6	3/4-16	3/8	
6505-8-8	3/4-16	1/2	
6505-10-8	7/8-14	1/2	
6505-12-8	1-1/16-12	1/2	
6505-12-12	1-1/16-12	3/4	
6505-16-16	1-5/16-12	1	
6505-20-20	1-5/8-12	1-1/4	
6505-24-24	1-7/8-12	1-1/2	
6505-32-32	2-1/2-12	2	

JIC SWIVEL TO FEMALE PIPE ADAPTER



6506
2242
1215

Part #	JIC Thread Size 1	Female Pipe Thread 2	
6506-4-2	7/16-20	1/8	
6506-4-4	7/16-20	1/4	
6506-4-6	7/16-20	3/8	
6506-6-4	9/16-18	1/4	
6506-6-6	9/16-18	3/8	
6506-6-8	9/16-18	1/2	
6506-8-6	3/4-16	3/8	
6506-8-8	3/4-16	1/2	
6506-10-6	7/8-14	3/8	
6506-10-8	7/8-14	1/2	
6506-12-12	1-1/16-12	3/4	
6506-16-16	1-5/16-12	1	
6506-20-20	1-5/8-12	1-1/4	
6506-24-24	1-7/8-12	1-1/2	
6506-32-32	2-1/2-12	2	

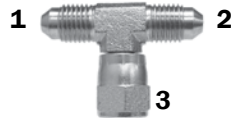
HYDRAULIC

STEEL O-RING ADAPTERS/ SWIVELS

HYDRAULIC ADAPTERS

JIC SWIVEL BRANCH TEE

SAE 070433
MS 51524



6600
203101R
65X
1227
C5707

Part #	JIC Thread Size 1 & 2	JIC Female Thread 3
6600-4-4	7/16-20	7/16-20
6600-5-5	1/2-20	1/2-20
6600-6-6	9/16-18	9/16-18
6600-8-8	3/4-16	3/4-16
6600-10	7/8-14	7/8-14
6600-12	1-1/16-12	1-1/16-12
6600-16	1-5/16-12	1-5/16-12
6600-20	1-5/8-12	1-5/8-12
6600-24	1-7/8-12	1-7/8-12

JIC SWIVEL RUN TEE

SAE 070432
MS 51523



6602
203102R
R6X
1248
C5706

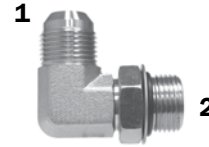
Part #	JIC Thread Size 1 & 3	JIC Female Thread 2
6602-4	7/16-20	7/16-20
6602-5	1/2-20	1/2-20
6602-6	9/16-18	9/16-18
6602-8	3/4-16	3/4-16
6602-10	7/8-14	7/8-14
6602-12	1-1/16-12	1-1/16-12
6602-14	1-3/16-12	1-3/16-12
6602-16	1-5/16-12	1-5/16-12
6602-20	1-5/8-12	1-5/8-12
6602-24	1-7/8-12	1-7/8-12

NWO = Nut, Washer & O-Ring

STEEL SAE O-RING FITTINGS

JIC TO O-RING ELBOW CONNECTOR

SAE 070220
MS 51527



6801
2062R
C50X
1238L
C5515

Part #	JIC Thread Size 1	O-Ring Thread Size 2
6801-NWO-2	5/16-24	5/16-24
6801-NWO-4	7/16-20	7/16-20
6801-NWO-4-6	7/16-20	9/16-18
6801-NWO-4-8	7/16-20	3/4-16
6801-NWO-5	1/2-20	1/2-20
6801-NWO-6	9/16-18	9/16-18
6801-NWO-6-4	9/16-18	7/16-20
6801-NWO-6-5	9/16-18	1/2-20
6801-NWO-6-8	9/16-18	3/4-16
6801-NWO-6-10	9/16-18	7/8-14
6801-NWO-8	3/4-16	3/4-16
6801-NWO-8-4	3/4-16	7/16-20
6801-NWO-8-6	3/4-16	9/16-18
6801-NWO-8-10	3/4-16	7/8-14
6801-NWO-8-12	3/4-16	1-1/16-12
6801-NWO-10	7/8-14	7/8-14
6801-NWO-10-6	7/8-14	9/16-18
6801-NWO-10-8	7/8-14	3/4-16
6801-NWO-10-12	7/8-14	1-1/16-12
6801-NWO-12	1-1/16-12	1-1/16-12
6801-NWO-12-8	1-1/16-12	3/4-16
6801-NWO-12-10	1-1/16-12	7/8-14
6801-NWO-12-14	1-1/16-12	1-3/16-12
6801-NWO-12-16	1-1/16-12	1-5/16-12
6801-NWO-14	1-3/16-12	1-3/16-12
6801-NWO-16	1-5/16-12	1-5/16-12
6801-NWO-16-12	1-5/16-12	1-1/16-12
6801-NWO-16-14	1-5/16-12	1-3/16-12
6801-NWO-16-20	1-5/16-12	1-5/8-12
6801-NWO-20	1-5/8-12	1-5/8-12
6801-NWO-20-12	1-5/8-12	1-1/16-12
6801-NWO-20-16	1-5/8-12	1-5/16-12
6801-NWO-20-24	1-5/8-12	1-7/8-12
6801-NWO-24	1-7/8-12	1-7/8-12
6801-NWO-24-20	1-7/8-12	1-5/8-12
6801-NWO-32	2-1/2-12	2-1/2-12

HYDRAULIC ADAPTERS

STEEL SAE O-RING

JIC TO O-RING 45° ELBOW

SAE 070320
MS 51528



6802
2061
V50X
1240R
C5365

JIC TO O-RING BRANCH TEE

SAE 070429
MS 51529



6803
203003X
S50X
1265R
C5715

Part #	JIC Thread Size 1	O-Ring Thread Size 2	
6802-NWO-2	5/16-24	5/16-24	
6802-NWO-4	7/16-20	7/16-20	
6802-NWO-4-6	7/16-20	9/16-18	
6802-NWO-4-8	7/16-20	3/4-16	
6802-NWO-5	1/2-20	1/2-20	
6802-NWO-6	9/16-18	9/16-18	
6802-NWO-6-4	9/16-18	7/16-20	
6802-NWO-6-8	9/16-18	3/4-16	
6802-NWO-8	3/4-16	3/4-16	
6802-NWO-8-6	3/4-16	9/16-18	
6802-NWO-8-10	3/4-16	7/8-14	
6802-NWO-8-12	3/4-16	1-1/16-12	
6802-NWO-10	7/8-14	7/8-14	
6802-NWO-10-8	7/8-14	3/4-16	
6802-NWO-10-12	7/8-14	1-1/16-12	
6802-NWO-12	1-1/16-12	1-1/16-12	
6802-NWO-12-16	1-1/16-12	1-5/16-12	
6802-NWO-16	1-5/16-12	1-5/16-12	
6802-NWO-16-12	1-5/16-12	1-1/16-12	
6802-NWO-16-20	1-5/16-12	1-5/8-12	
6802-NWO-20	1-5/8-12	1-5/8-12	
6802-NWO-20-16	1-5/8-12	1-5/16-12	
6802-NWO-24	1-7/8-12	1-7/8-12	
6802-NWO-32	2-1/2-12	2-1/2-12	

Part #	JIC Thread Size 1 & 2	O-Ring Thread Size 3	
6803-NWO-4	7/16-20	7/16-20	
6803-NWO-5	1/2-20	1/2-20	
6803-NWO-6	9/16-18	9/16-18	
6803-NWO-6-8	9/16-18	3/4-16	
6803-NWO-8	3/4-16	3/4-16	
6803-NWO-10	7/8-14	7/8-14	
6803-NWO-12	1-1/16-12	1-1/16-12	
6803-NWO-16	1-5/16-12	1-5/16-12	
6803-NWO-16-12	1-5/16-12	1-1/16-12	
6803-NWO-20	1-5/8-12	1-5/8-12	
6803-NWO-24	1-7/8-12	1-7/8-12	

IT IS TIME FOR US ALL TO STAND AND CHEER FOR THE DOER, THE ACHIEVER –
THE ONE WHO RECOGNIZES THE CHALLENGES AND DOES SOMETHING ABOUT IT.

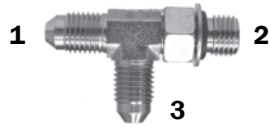
– VINCE LOMBARDI

STEEL O-RING

HYDRAULIC ADAPTERS

SAE 070428
MS 51530

JIC TO O-RING RUN TEE



6804
203005R
R50X
1266R
C5716

Part #	JIC Thread Size 1 & 3	O-Ring Thread Size 2	
6804-NWO-4	7/16-20	7/16-20	
6804-NWO-5	1/2-20	1/2-20	
6804-NWO-6	9/16-18	9/16-18	
6804-NWO-6-8	9/16-18	3/4-16	
6804-NWO-8	3/4-16	3/4-16	
6804-NWO-10	7/8-14	7/8-14	
6804-NWO-12	1-1/16-12	1-1/16-12	
6804-NWO-16	1-5/16-12	1-5/16-12	
6804-NWO-16-12	1-5/16-12	1-1/16-12	
6804-NWO-20	1-5/8-12	1-5/8-12	
6804-NWO-24	1-7/8-12	1-7/8-12	
6804-NWO-32	2-1/2-12	2-1/2-12	

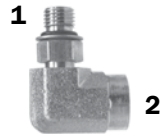
O-RING TO MALE PIPE ELBOW



6806
1263
TF3569

Part #	O-Ring Thread Size 1	Pipe Thread Size 2	
6806-NWO-4-2	7/16-20	1/8	
6806-NWO-4-4	7/16-20	1/4	
6806-NWO-6-4	9/16-18	1/4	
6806-NWO-6-6	9/16-18	3/8	
6806-NWO-8-8	3/4-16	1/2	
6806-NWO-10-8	7/8-14	1/2	
6806-NWO-12-12	1-1/16-12	3/4	
6806-NWO-16-16	1-5/16-12	1	
6806-NWO-20-20	1-5/8-12	1-1/4	
6806-NWO-24-24	1-7/8-12	1-1/2	
6806-NWO-32-32	2-1/2-12	2	

O-RING TO FEMALE PIPE ELBOW



6805
206801R
AE0G
1264
C3459

Part #	O-Ring Thread Size 1	Pipe Thread Size 2	
6805-NWO-4-2	7/16-20	1/8	
6805-NWO-4-4	7/16-20	1/4	
6805-NWO-5-2	1/2-20	1/8	
6805-NWO-6-4	9/16-18	1/4	
6805-NWO-6-6	9/16-18	3/8	
6805-NWO-8-6	3/4-16	3/8	
6805-NWO-8-8	3/4-16	1/2	
6805-NWO-10-6	7/8-14	3/8	
6805-NWO-10-8	7/8-14	1/2	
6805-NWO-12-8	1-1/16-12	1/2	
6805-NWO-12-12	1-1/16-12	3/4	
6805-NWO-14-12	1-3/16-12	3/4	
6805-NWO-16-16	1-5/16-12	1	
6805-NWO-20-20	1-5/8-12	1-1/4	
6805-NWO-24-24	1-7/8-12	1-1/2	

37° JIC SWIVEL NUT TO O-RING ELBOW



Part #	O-Ring Thread Size 1	JIC Thread Size 2	
6809-NWO-4-4	7/16-20	7/16-20	
6809-NWO-6-6	9/16-18	9/16-18	
6809-NWO-8-8	3/4-16	3/4-16	
6809-NWO-10-10	7/8-14	7/8-14	
6809-NWO-12-12	1-1/16-12	1-1/16-12	
6809-NWO-16-16	1-5/16-12	1-5/16-12	
6809-NWO-20-20	1-5/8-12	1-5/8-12	
6809-NWO-24-24	1-7/8-12	1-7/8-12	

FEMALE O-RING TO MALE O-RING ELBOW



Part #	O-Ring Thread Size 1	O-Ring Thread Size 2	
6815-NWO-4-4	7/16-20	7/16-20	
6815-NWO-6-6	9/16-18	9/16-18	
6815-NWO-6-8	9/16-18	3/4-16	
6815-NWO-8-8	3/4-16	3/4-16	
6815-NWO-10-10	7/8-14	7/8-14	
6815-NWO-12-12	1-1/16-12	1-1/16-12	

HYDRAULIC ADAPTERS

STEEL SAE O-RING

MALE O-RING SWIVEL ADAPTER

SAE 140157



6900
2066R
1235
9315

Part #	O-Ring Thread Size 1	Female NPSM Size 2	
6900-O-4-2	7/16-20	1/8	
6900-O-4-4	7/16-20	1/4	
6900-O-4-6	7/16-20	3/8	
6900-O-6-4	9/16-18	1/4	
6900-O-6-6	9/16-18	3/8	
6900-O-6-8	9/16-18	1/2	
6900-O-8-4	3/4-16	1/4	
6900-O-8-6	3/4-16	3/8	
6900-O-8-8	3/4-16	1/2	
6900-O-8-12	3/4-16	3/4	
6900-O-10-6	7/8-14	3/8	
6900-O-10-8	7/8-14	1/2	
6900-O-10-12	7/8-14	3/4	
6900-O-12-8	1-1/16-12	1/2	
6900-O-12-12	1-1/16-12	3/4	
6900-O-14-12	1-3/16-12	3/4	
6900-O-16-12	1-5/16-12	3/4	
6900-O-16-16	1-5/16-12	1	
6900-O-16-20	1-5/16-12	1-1/4	
6900-O-20-16	1-5/8-12	1	
6900-O-20-20	1-5/8-12	1-1/4	
6900-O-24-20	1-7/8-12	1-1/4	
6900-O-24-24	1-7/8-12	1-1/2	
6900-O-32-32	2-1/2-12	2	

90° O-RING SWIVEL ADAPTER

SAE 140257



6401
2068R
1271
9515

Part #	O-Ring Thread Size 1	Female NPSM Size 2	
6901-NWO-4-2	7/16-20	1/8	
6901-NWO-4-4	7/16-20	1/4	
6901-NWO-6-4	9/16-18	1/4	
6901-NWO-6-6	9/16-18	3/8	
6901-NWO-6-8	9/16-18	1/2	
6901-NWO-8-4	3/4-16	1/4	
6901-NWO-8-6	3/4-16	3/8	
6901-NWO-8-8	3/4-16	1/2	
6901-NWO-8-12	3/4-16	3/4	
6901-NWO-10-4	7/8-14	1/4	
6901-NWO-10-6	7/8-14	3/8	
6901-NWO-10-8	7/8-14	1/2	
6901-NWO-12-6	1-1/16-12	3/8	
6901-NWO-12-8	1-1/16-12	1/2	
6901-NWO-12-12	1-1/16-12	3/4	
6901-NWO-12-16	1-1/16-12	1	
6901-NWO-14-12	1-3/16-12	3/4	
6901-NWO-16-12	1-5/16-12	3/4	
6901-NWO-16-16	1-5/16-12	1	
6901-NWO-16-20	1-5/16-12	1-1/4	
6901-NWO-20-12	1-5/8-12	3/4	
6901-NWO-20-16	1-5/8-12	1	
6901-NWO-20-20	1-5/8-12	1-1/4	
6901-NWO-24-24	1-7/8-12	1-1/2	
6901-NWO-32-32	2-1/2-12	2	

PRESS ON – NOTHING CAN TAKE THE PLACE OF PERSISTENCE. TALENT WILL NOT; NOTHING IS MORE COMMON THAN UNSUCCESSFUL MEN WITH TALENT. GENIUS WILL NOT; UNREWARDED GENIUS IS ALMOST A PROVERB. EDUCATION WILL NOT; THE WORLD IS FULL OF EDUCATED DERELICTS. PERSEVERANCE AND DETERMINATION ALONE ARE OMNIPOTENT.”

– CALVIN COOLIDGE

STEEL SAE O-RING

45° O-RING SWIVEL ADAPTER

SAE 140357

1



2

6902
2067R
1272
9365

Part #	O-Ring Thread Size 1	Female NPSM Size 2	
6902-NWO-4-4	7/16-20	1/4	
6902-NWO-4-6	7/16-20	3/8	
6902-NWO-6-4	9/16-18	1/4	
6902-NWO-6-6	9/16-18	3/8	
6902-NWO-8-6	3/4-16	3/8	
6902-NWO-8-8	3/4-16	1/2	
6902-NWO-8-12	3/4-16	3/4	
6902-NWO-10-6	7/8-14	3/8	
6902-NWO-10-8	7/8-14	1/2	
6902-NWO-10-12	7/8-14	3/4	
6902-NWO-12-8	1-1/16-12	1/2	
6902-NWO-12-12	1-1/16-12	3/4	
6902-NWO-16-12	1-5/16-12	3/4	
6902-NWO-16-16	1-5/16-12	1	
6902-NWO-20-20	1-5/8-12	1-1/4	

O-RINGS

VITON 75 SAE BOSS O-RING

Fluorocarbon



Part #	O-Ring Thread	
4001-2-2	5/16-24	
4001-3-3	3/8-24	
4001-4-4	7/16-20	
4001-5-5	1/2-20	
4001-6-6	9/16-18	
4001-8-8	3/4-16	
4001-10	7/8-14	
4001-12	1-1/16-12	
4001-16	1-5/16-12	
4001-20	1-5/8-12	
4001-24	1-7/8-12	
4001-32	2-1/2-12	

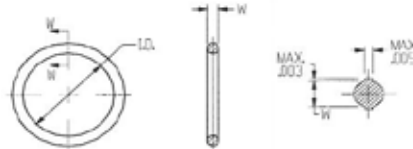
HYDRAULIC ADAPTERS

NITRILE 90 SAE BOSS O-RING



Part #	O-Ring Thread	
4000-2-2	5/16-24	
4000-3-3	3/8-24	
4000-4-4	7/16-20	
4000-5-5	1/2-20	
4000-6-6	9/16-18	
4000-8-8	3/4-16	
4000-10	7/8-14	
4000-12	1-1/16-12	
4000-14	1-3/16-12	
4000-16	1-5/16-12	
4000-20	1-5/8-12	
4000-24	1-7/8-12	
4000-32	2-1/2-12	

O-RINGS FOR SAE J-1926/2/3 INCH STUD ENDS



*Dimensions for both 4001 (Viton) and 4000 (Buna)

Tube Fitting Size	Tube O.D.	SAE AS568A Ref. #	I.D.	W
-2	1/8	902	.239 ± .005	.064 ± .003
-3	3/16	903	.301 ± .005	.064 ± .003
-4	1/4	904	.351 ± .005	.072 ± .003
-5	5/16	905	.414 ± .005	.072 ± .003
-6	3/8	906	.468 ± .005	.078 ± .003
-8	1/2	908	.644 ± .009	.087 ± .003
-10	5/8	910	.755 ± .009	.097 ± .003
-12	3/4	912	.924 ± .009	.116 ± .004
-16	1	916	1.171 ± .010	.116 ± .004
-20	1-1/4	920	1.475 ± .014	.118 ± .004
-24	1-1/2	924	1.720 ± .014	.118 ± .004
-32	2	932	2.337 ± .018	.118 ± .004

Specification

SAE/ASTM

Usage

Nitrile Elastomer, 90 Durometer Hardness for petroleum based fluid

General Service

High pressure applications of pneumatics, water based hydraulic fluids, lubricating oils, hydraulic oils and gasoline

Temperature Shore Hardness

-35°C to 125°C (-30°F to 250°F)
90 pts ± 5pts

Elongation

100% min

Tensile

10 MP a min

Compound

Nitrile (Buna-N) to ASTM D 2000 or SAE J200

Lubrication

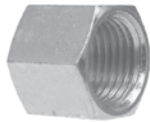
When assembling O-Ring with O-Ring style fittings, the O-Ring shall be coated with the fluid used or petrolatum before assembly to ease installation.

HYDRAULIC ADAPTERS

O-RING FACE SEAL ADAPTERS

BRAZE TUBE NUT (SLEEVE REQUIRED)

SAE 520110



FF318
FF1311

Part #	Tube O.D.	Braze Tube O.D.	
FSO318-4	1/4	.25	
FSO318-6	3/8	.38	
FSO318-8	1/2	.50	
FSO318-10	5/8	.62	
FSO318-12	3/4	.72	
FSO318-16	1	1.00	
FSO318-20	1 1/4	1.25	
FSO318-24	1 1/2	1.50	

BRAZE TUBE SLEEVE

SAE 520115



FF319
FF3019

Part #	Tube O.D.
FSO319-4	1/4
FSO319-6	3/8
FSO319-8	1/2
FSO319-10	5/8
FSO319-12	3/4
FSO319-16	1
FSO319-20	1-1/4
FSO319-24	1-1/2

See Page 393 for JIC Nut and Sleeve

BRAZE TUBE UNION

SAE 520104



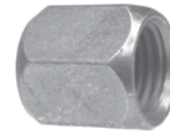
FF403

Part #	Braze Port	Flat Face Thread	
FSO403-4-4	1/4	9/16-18	
FSO403-6-6	3/8	11/16-16	
FSO403-8-8	1/2	13/16-16	
FSO403-10-10	5/8	1-14	
FSO403-12-12	3/4	1-3/8-12	
FSO403-16-16	1	1-7/16-12	
FSO403-20-20	1-1/4	1-11/16-12	
FSO403-24-24	1-1/2	2-12	

More sizes available

CAP

SAE 520112



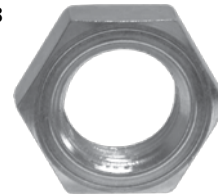
FF304C

• Two Piece
Nut/ Insert Construction

Part #	Tube O.D.	Flat Face Thread	
FSO304-C-4	1/4	9/16-18	
FSO304-C-6	3/8	11/16-16	
FSO304-C-8	1/2	13/16-16	
FSO304-C-10	5/8	1-14	
FSO304-C-12	3/4	1-3/16-12	
FSO304-C-16	1	1-7/16-12	
FSO304-C-20	1-1/4	1-11/16-12	
FSO304-C-24	1-1/2	2-12	

BULKHEAD LOCKNUT

SAE 520118



Part #	Thread Size	
FSO306-4	9/16-18	
FSO306-6	11/16-16	
FSO306-8	13/16-16	
FSO306-10	1-14	
FSO306-12	1-3/16-12	
FSO306-16	1-7/16-12	
FSO306-20	1-11/16-12	
FSO306-24	2-12	

MALE UNION CONNECTOR

SAE 520102



FF2403
FF1203

Part #	Tube O.D.	Flat Face Thread 1&2	
FSO2403-4-4	1/4	9/16-18	
FSO2403-6-6	3/8	11/16-16	
FSO2403-8-8	1/2	13/16-16	
FSO2403-12-12	3/4	1-3/16-12	
FSO2403-16-16	1	1-7/16-12	
FSO2403-20-20	1-1/4	1-11/16-12	
FSO2403-24-24	1-1/2	2-12	

O-RING FACE SEAL ADAPTERS

HYDRAULIC ADAPTERS

MALE O-RING FACE SEAL ADAPTER



FF2404
4205
FLO

Part #	Flat Face Thread 1	Male Pipe Size 2	
FSO2404-4-2	9/16-18	1/8-27	
FSO2404-4-4	9/16-18	1/4-18	
FSO2404-4-6	9/16-18	3/8-18	
FSO2404-4-8	9/16-18	1/2-14	
FSO2404-6-2	11/16-16	1/8-27	
FSO2404-6-4	11/16-16	1/4-18	
FSO2404-6-6	11/16-16	3/8-18	
FSO2404-6-8	11/16-16	1/2-14	
FSO2404-8-4	13/16-16	1/4-18	
FSO2404-8-8	13/16-16	1/2-14	
FSO2404-8-12	13/16-16	3/4-14	
FSO2404-10-8	1-14	1/2-14	
FSO2404-10-12	1-14	3/4-14	
FSO2404-12-8	1-3/16-12	1/2-14	
FSO2404-12-12	1-3/16-12	3/4-14	
FSO2404-12-16	1-3/16-12	1-11-1/2	
FSO2404-16-12	1-7/16-12	3/4-14	
FSO2404-16-16	1-7/16-12	1-11-1/2	
FSO2404-16-20	1-7/16-12	1-1/4-11-1/2	
FSO2404-20-16	1-11/16-12	1-11-1/2	
FSO2404-20-20	1-11/16-12	1-1/4-11-1/2	

FEMALE ORFS TO MALE ORFS REDUCER

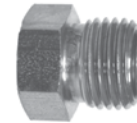


FF2406
TRLON

Part #	Flat Face Size 1	Flat Face Thread 2	
FSO2406-6-4	11/16-16	9/16-18	
FSO2406-8-4	13/16-16	9/16-18	
FSO2406-10-6	1-14	11/16-16	
FSO2406-10-8	1-14	13/16-16	
FSO2406-12-6	1-3/16-12	11/16-16	
FSO2406-12-8	1-3/16-12	13/16-16	
FSO2406-16-12	1-7/16-12	1-3/16-12	
FSO2406-20-12	1-11/16-12	1-3/16-12	
FSO2406-20-16	1-11/16-12	1-7/16-12	
FSO2406-24-20	2-12	1-11/16-12	

SAE 520109

PLUG



FF2408
FF1254
4229
PNLO

Part #	Tube O.D.	Flat Face Thread	
FSO2408-4	1/4	9/16-18	
FSO2408-6	3/8	11/16-16	
FSO2408-8	1/2	13/16-16	
FSO2408-10	5/8	1-14	
FSO2408-12	3/4	1-3/8-12	
FSO2408-16	1	1-7/16-12	
FSO2408-20	1-1/4	1-11/16-12	
FSO2408-24	1-1/2	2-12	

ORFS UNION ELBOW 90°



FF2500
4505
ELO

Part #	Flat Face Thread 1	Flat Face Thread 2	
FS2500-4-4	9/16-18	9/16-18	
FS2500-6-6	11/16-16	11/16-16	
FS2500-10-10	1-14	1-14	
FS2500-12-12	1-3/16-12	1-3/16-12	
FS2500-16-16	1-7/16-12	1-7/16-12	
FS2500-20-20	1-11/16-12	1-11/16-12	
FS2500-24-24	2-12	2-12	

ORFS TO MALE ELBOW

SAE 520202



FF2501
FF1208
4405
CLO

Part #	Flat Face Thread 1	Male Pipe Thread 2	
FS2501-4-4	9/16-18	1/4	
FS2501-6-4	11/16-16	1/4	
FS2501-6-6	11/16-16	3/8	
FS2501-8-6	13/16-16	3/8	
FS2501-8-8	13/16-16	1/2	
FS2501-8-12	13/16-16	3/4	
FS2501-10-8	1-14	1/2	
FS2501-10-12	1-14	3/4	
FS2501-12-8	1-3/8-12	1/2	
FS2501-12-12	1-3/8-12	3/4	
FS2501-12-16	1-3/8-12	1	
FS2501-16-12	1-7/16-12	3/4	
FS2501-16-16	1-7/16-12	1	
FS2501-20-20	1-11/16-12	1-1/4	
FS2501-24-24	2-12	1-1/2	

More sizes available

HYDRAULIC ADAPTERS

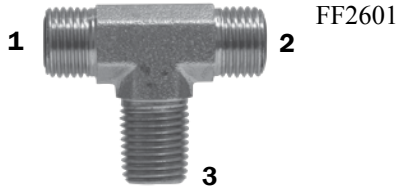
ORFS TO PIPE ELBOW 45°



FF2503
4355
VLO

Part #	Flat Face Thread 1	Male Pipe Thread 2	
FS2503-4-2	9/16-18	1/8	
FS2503-4-4	9/16-18	1/4	
FS2503-6-4	11/16-16	1/4	
FS2503-6-6	11/16-16	3/8	
FS2503-8-6	13/16-16	3/8	
FS2503-8-8	13/16-16	1/2	
FS2503-10-8	1-14	1/2	
FS2503-12-12	1-3/16-12	3/4	
FS2503-16-16	1-7/16-12	1	

ORFS TO PIPE BRANCH TEE

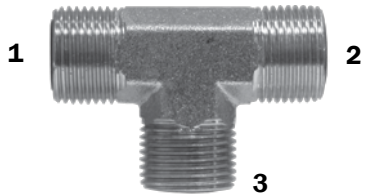


FF2601

Part #	Flat Face Thread 1+2	Male Pipe 3	
FS2601-4-4	9/16-18	1/4-18	
FS2601-6-6	11/16-16	3/8-18	
FS2601-8-8	13/16-16	1/2-14	
FS2601-12-12	1-3/16-12	3/4-14	
FS2601-16-16	1-7/16-12	1-11-1/2	

FF2603
4705
JLO

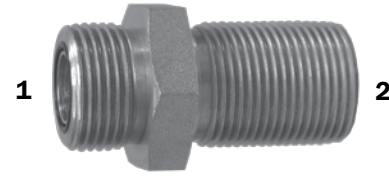
ORFS UNION TEE



Part #	Flat Face Thread 1+2+3	
FS2603-4-4	9/16-18	
FS2603-6-6	11/16-16	
FS2603-8-8	13/16-16	
FS2603-10-10	1-14	
FS2603-12-12	1-3/16-12	
FS2603-16-16	1-7/16-12	
FS2603-20-20	1-11/16-12	
FS2603-24-24	2-12	

O-RING FACE SEAL ADAPTERS

ORFS BULKHEAD UNION

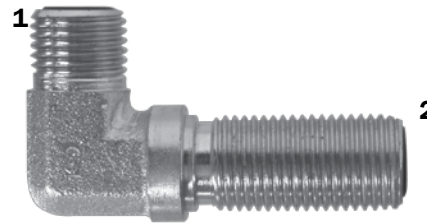


FF2700
WLO

• Locknut not included on Bulkhead fittings

Part #	Flat Face Thread 1+2	
FS2700-4-4	9/16-18	
FS2700-6-6	11/16-16	
FS2700-8-8	13/16-16	
FS2700-10-10	1-14	
FS2700-12-12	1-3/16-12	
FS2700-16-16	1-7/16-12	
FS2700-20-20	1-11/16-12	
FS2700-24-24	2-12	

ORFS BULKHEAD UNION 90°

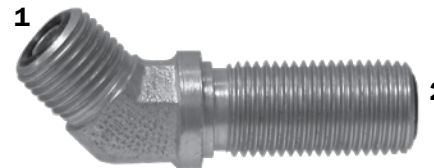


FF2701
4525
WEL0

• Locknut not included on Bulkhead fittings

Part #	Flat Face Thread 1+2	
FS2701-4-4	9/16-18	
FS2701-6-6	11/16-16	
FS2701-8-8	13/16-16	
FS2701-10-10	1-14	
FS2701-12-12	1-3/16-12	
FS2701-16-16	1-7/16-12	
FS2701-20-20	1-11/16-12	
FS2701-24-24	2-12	

ORFS BULKHEAD UNION 45°



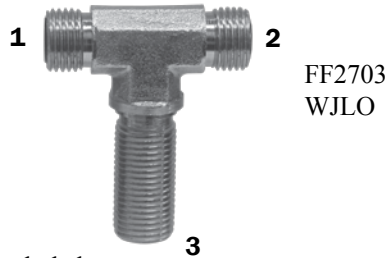
FF2702
4375
WNLO

• Locknut not included on Bulkhead fittings

Part #	Flat Face Thread 1+2	
FS2702-4-4	9/16-18	
FS2702-6-6	11/16-16	
FS2702-10-10	1-14	
FS2702-16-16	1-7/16-12	
FS2702-20-20	1-11/16-12	

O-RING FACE SEAL ADAPTERS

ORFS BULKHEAD UNION BRANCH TEE

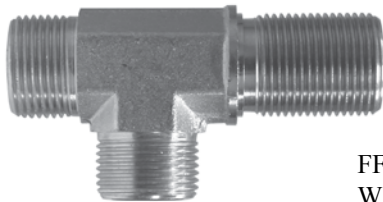


FF2703
WJLO

• Locknut not included

Part #	Flat Face Thread 1+2+3	
FS2703-4	9/16-18	
FS2703-6	11/16-16	
FS2703-8	13/16-16	
FS2703-10	1-14	
FS2703-12	1-3/16-12	
FS2703-16	1-7/16-12	
FS2703-20	1-11/16-12	

ORFS BULKHEAD UNION RUN TEE

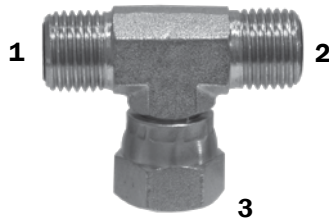


FF2704
WJLO

• Locknut not included

Part #	Flat Face Thread 1+2+3	
FS2704-4-4	9/16-18	
FS2704-6-6	11/16-16	
FS2704-8-8	13/16-16	
FS2704-10-10	1-14	
FS2704-12-12	1-3/16-12	
FS2704-16-16	1-7/16-12	
FS2704-20-20	1-11/16-12	

ORFS TO FEMALE SWIVEL BRANCH TEE

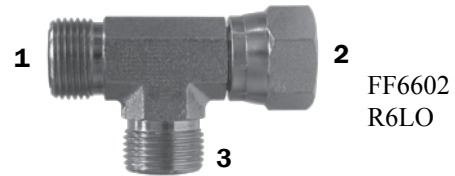


FF6600
S6LO

Part #	Flat Face Thread 1+2	Female JIC 3	
FS6600-4-4	9/16-18	9/16-18	
FS6600-6-6	11/16-16	11/16-16	
FS6600-8-8	13/16-16	13/16-16	
FS6600-10-10	1-14	1-14	
FS6600-12-12	1-3/16-12	1-3/16-12	
FS6600-16-16	1-7/16-12	1-7/16-12	
FS6600-20-20	1-11/16-12	1-11/16-12	
FS6600-24-24	2-12	2-12	

HYDRAULIC ADAPTERS

ORFS TO JIC SWIVEL RUN TEE



FF6602
R6LO

Part #	Flat Face Thread 1+3	Female Flat Face 2	
FS6602-4-4	9/16-18	9/16-18	
FS6602-6-6	11/16-16	11/16-16	
FS6602-8-8	13/16-16	13/16-16	
FS6602-10-10	1-14	1-14	
FS6602-12-12	1-3/16-12	1-3/16-12	
FS6602-16-16	1-7/16-12	1-7/16-12	
FS6602-20-20	1-11/16-12	1-11/16-12	
FS6602-24-24	2-12	2-12	

STRAIGHT THREAD CONNECTOR



SAE 520120

4315
FF6400
FF1231

Part #	Flat Face Thread 1	O-Ring Thread 2	
FS6400-O-4-4	9/16-18	7/16-20	
FS6400-O-4-6	9/16-18	9/16-18	
FS6400-O-6-4	11/16-16	7/16-20	
FS6400-O-6-6	11/16-16	9/16-18	
FS6400-O-6-8	11/16-16	3/4-16	
FS6400-O-8-6	13/16-16	9/16-18	
FS6400-O-8-8	13/16-16	3/4-16	
FS6400-O-8-10	13/16-16	7/8-14	
FS6400-O-10-8	1-14	3/4-16	
FS6400-O-10-10	1-14	7/8-14	
FS6400-O-10-12	1-14	1-1/16-12	
FS6400-O-12-8	1-3/16-12	3/4-16	
FS6400-O-12-10	1-3/16-12	7/8-14	
FS6400-O-12-12	1-3/16-12	1-1/16-12	
FS6400-O-12-16	1-3/16-12	1-5/16-12	
FS6400-O-16-12	1-7/16-12	1-1/16-12	
FS6400-O-16-16	1-7/16-12	1-5/16-12	
FS6400-O-16-20	1-7/16-12	1-5/8-12	
FS6400-O-20-20	1-11/16-12	1-5/8-12	
FS6400-O-20-24	1-11/16-12	1-7/8-12	
FS6400-O-24-20	2-12	1-5/8-12	
FS6400-O-24-24	2-12	1-7/8-12	

MALE FLAT FACE TO FEMALE 37° SWIVEL



FF6402
FF1294

Part #	Flat Face Thread 1	JIC Thread 2	
FS6402-4-4	9/16-18	7/16-20	
FS6402-6-6	11/16-16	9/16-18	
FS6402-8-8	13/16-16	3/4-16	
FS6402-10-10	1-14	7/8-14	
FS6402-12-12	1-3/16-12	1-1/16-12	
FS6402-16-16	1-7/16-12	1-5/16-12	

More sizes available

HYDRAULIC ADAPTERS

SWIVEL NUT ELBOW



FF6500
FF1236

Part #	Flat Face Thread 1	Flat Face Thread 2
FS6500-4-4	9/16-18	9/16-18
FS6500-6-6	11/16-16	11/16-16
FS6500-8-8	13/16-16	13/16-16
FS6500-10-10	1-14	1-14
FS6500-12-12	1-3/16-12	1-3/16-12
FS6500-16-16	1-7/16-12	1-7/16-12
FS6500-20-20	1-11/16-12	1-11/16-12
FS6500-24-24	2-12	2-12

MALE JIC 37° FLARE TO FEMALE FLAT FACE SWIVEL



FF6504
FF1296

Part #	JIC Thread Size 1	Flat Face Thread 2
FS6504-4-4	7/16-20	9/16-18
FS6504-6-6	9/16-18	11/16-16
FS6504-8-8	3/4-16	13/16-16
FS6504-10-10	7/8-14	1-14
FS6504-12-12	1-1/16-12	1-3/16-12
FS6504-16-16	1-5/16-12	1-7/16-12

O-RING ELBOW CONNECTOR



FF6801
FF1238
4515

Part #	Flat Face Thread 1	O-Ring Thread 2
FS6801-4-4	9/16-18	7/16-20
FS6801-4-6	9/16-18	9/16-18
FS6801-6-4	11/16-16	7/16-20
FS6801-6-6	11/16-16	9/16-18
FS6801-6-8	11/16-16	3/4-16
FS6801-8-6	13/16-16	9/16-18
FS6801-8-8	13/16-16	3/4-16
FS6801-8-10	13/16-16	7/8-14
FS6801-10-8	1-14	3/4-16
FS6801-10-10	1-14	7/8-14
FS6801-10-12	1-14	1-1/16-12
FS6801-12-10	1-3/16-12	7/8-14
FS6801-12-12	1-3/16-12	1-1/16-12
FS6801-12-16	1-3/16-12	1-5/16-12
FS6801-16-12	1-7/16-12	1-1/16-12
FS6801-16-16	1-7/16-12	1-5/16-12
FS6801-16-20	1-7/16-12	1-5/8-12
FS6801-20-16	1-11/16-12	1-5/16-12
FS6801-20-20	1-11/16-12	1-5/8-12
FS6801-24-24	2-12	1-7/8-12

More sizes available

O-RING FACE SEAL ADAPTERS

ORFS TO O-RING ELBOW 45°



FF6802
4365
VSOLO

Part #	Flat Face Thread 1	O-Ring Size 2
FS6802-4-4	9/16-18	7/16-20
FS6802-4-6	9/16-18	9/16-18
FS6802-6-4	11/16-16	7/16-20
FS6802-6-6	11/16-16	9/16-18
FS6802-6-8	11/16-16	3/4-16
FS6802-8-6	13/16-16	9/16-18
FS6802-8-8	13/16-16	3/4-16
FS6802-8-10	13/16-16	7/8-14
FS6802-10-8	1-14	3/4-16
FS6802-10-10	1-14	7/8-14
FS6802-10-12	1-14	1-1/16-12
FS6802-12-8	1-3/16-12	3/4-16
FS6802-12-10	1-3/16-12	7/8-14
FS6802-12-12	1-3/16-12	1-1/16-12
FS6802-12-16	1-3/16-12	1-5/16-12
FS6802-16-12	1-7/16-12	1-1/16-12
FS6802-16-16	1-7/16-12	1-5/16-12
FS6802-16-20	1-7/16-12	1-5/8-12
FS6802-20-20	1-11/16-12	1-5/8-12
FS6802-24-24	2-12	1-7/8-12

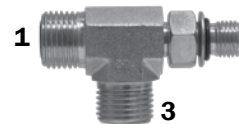
ORFS TO O-RING BRANCH TEE



FF6803
4715
SJOLO

Part #	Face Seal Thread 1 + 2	O-Ring Size 3
FS6803-4-4	9/16-18	7/16-20
FS6803-6-6	11/16-16	9/16-18
FS6803-8-8	13/16-16	3/4-16
FS6803-10-10	1-14	7/8-14
FS6803-12-12	1-3/16-12	1-1/16-12
FS6803-16-16	1-7/16-12	1-5/16-12
FS6803-20-20	1-11/16-12	1-5/8-12
FS6803-24-24	2-12	1-7/8-12

ORFS TO O-RING RUN TEE



FF6804
4716
KJOLO

Part #	Face Seal Thread 1	O-Ring Size 2	Thread Size 3
FS6804-4-4	9/16-18	7/16-20	9/16-18
FS6804-6-6	11/16-16	9/16-18	11/16-16
FS6804-8-8	13/16-16	3/4-16	13/16-16
FS6804-10-10	1-14	7/8-14	1-14
FS6804-12-12	1-3/16-12	1-1/16-12	1-3/16-12
FS6804-16-16	1-7/16-12	1-5/16-12	1-7/16-12
FS6804-20-20	1-11/16-12	1-5/8-12	1-11/16-12
FS6804-24-24	2-12	1-7/8-12	2-12

STEEL BSPT ADAPTERS

STRAIGHT THREAD SWIVEL NUT ELBOW



FF6809
FF1239
4535
AOELC

Part #	O-Ring Thread 1	Flat Face Thread 2	
FS6809-4-4	7/16-20	9/16-18	
FS6809-6-6	9/16-18	11/16-16	
FS6809-8-8	3/4-16	13/16-16	
FS6809-10-10	7/8-14	1-14	
FS6809-12-12	1-1/16-12	1-3/16-12	
FS6809-16-16	1-5/16-12	1-7/16-12	

STEEL BSPT ADAPTERS

JIC MALE CONNECTOR BSPT



3404
305

Part #	JIC Thread Size 1	Male BSPT 2	
7000-4-2	7/16-20	1/8-28	
7000-4-4	7/16-20	1/4-19	
7000-6-4	9/16-18	1/4-19	
7000-6-6	9/16-18	3/8-19	
7000-6-8	9/16-18	1/2-14	
7000-8-6	3/4-16	3/8-19	
7000-8-8	3/4-16	1/2-14	
7000-8-12	3/4-16	3/4-14	
7000-10-8	7/8-14	1/2-14	
7000-10-12	7/8-14	3/4-14	
7000-12-8	1-1/16-12	1/2-14	
7000-12-12	1-1/16-12	3/4-14	
7000-16-16	1-5/16-12	1-11	
7000-20-20	1-5/8-12	1-1/4-11	

JIC MALE ELBOW BSPT



3501
315

Part #	JIC Thread Size 1	Male BSPT 2	
7200-4-2	7/16-20	1/8-28	
7200-4-4	7/16-20	1/4-19	
7200-6-4	9/16-18	1/4-19	
7200-6-6	9/16-18	3/8-19	
7200-6-8	9/16-18	1/2-14	
7200-8-6	3/4-16	3/8-19	
7200-8-8	3/4-16	1/2-14	
7200-12-12	1-1/16-12	3/4-14	
7200-16-16	1-5/16-12	1-11	

HYDRAULIC ADAPTERS

BSPT HEX NIPPLE



3520
MBT

Part #	Male BSPT 1	Male BSPT 2	
7520-2-2	1/8-28	1/8-28	
7520-4-4	1/4-19	1/4-19	
7520-6-6	3/8-19	3/8-19	
7520-8-8	1/2-14	1/2-14	
7520-10-10	5/8-14	5/8-14	
7520-12-12	3/4-14	3/4-14	

BSPT PLUG



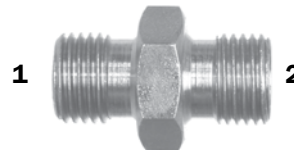
100B-Y
KA-RM
MHL
296

Part #	BSPT	
9508-2	1/8-28	
9508-4	1/4-19	
9508-6	3/8-19	
9508-8	1/2-14	
9508-12	3/4-14	
9508-16	1-11	

• More BSPT Available

STEEL BSPP ADAPTERS

BSPP HEX NIPPLE



3420
MB
9022

Part #	Male BSPP 1	Male BSPP 2	
7420-2-2	1/8-28	1/8-28	
7420-4-2	1/4-19	1/8-28	
7420-6-4	3/8-19	1/4-19	
7420-6-6	3/8-19	3/8-19	
7420-8-6	1/2-14	3/8-19	
7420-8-8	1/2-14	1/2-14	
7420-10-8	5/8-14	1/2-14	
7420-12-8	3/4-14	1/2-14	
7420-12-12	3/4-14	3/4-14	
7420-16-12	1-11	3/4-14	
7420-16-16	1-11	1-11	