

TECHNICAL INFORMATION

HYDRAULIC ADAPTERS

O-ring Face Seal Adapter Specifications

O-ring face seal fittings include a precision groove in the face of the male fitting. Sealing occurs when an O-ring is trapped in the groove by a smooth flat flange that is clamped against the face with a nut or nut and sleeve. The flat flange may be formed or brazed onto the end of a tube, or is machined on a fitting.

There are two SAE groove types:

- Type A: The original style A O-ring has no retaining ledge.
- Type B: The Type B groove has a retaining ledge (half dovetail) that improves O-ring retention. The Type B style is more commonly found and is a design improvement over the Type A.

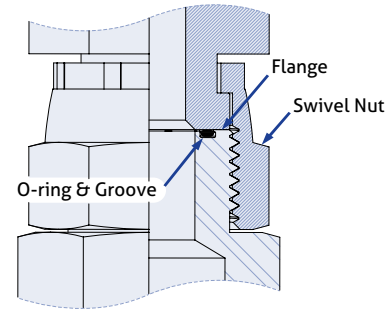


Figure 9: ORFS Fitting Assembly

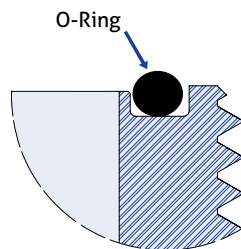


Figure 10: Detail View of Cross Section of Groove Type A

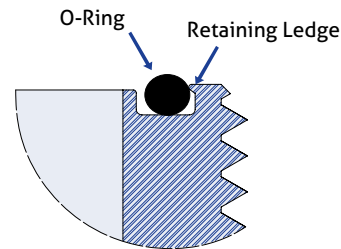


Figure 11: View of Groove Type B

The following table lists the specifications for O-ring Face Seal adapters.

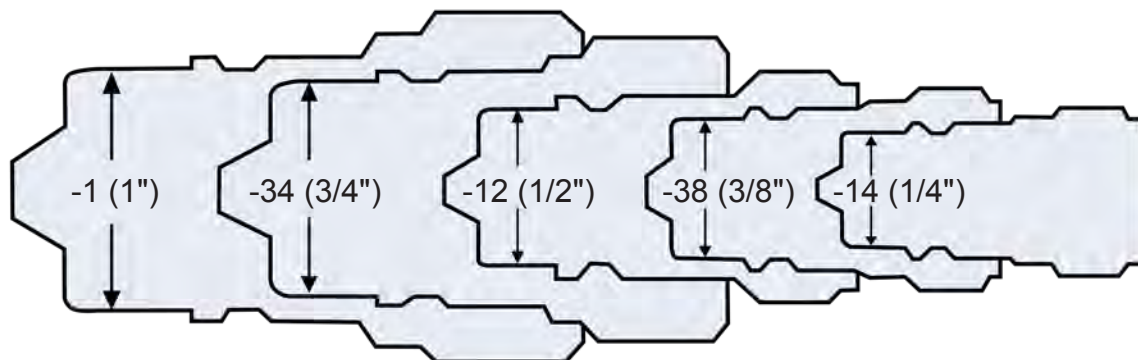
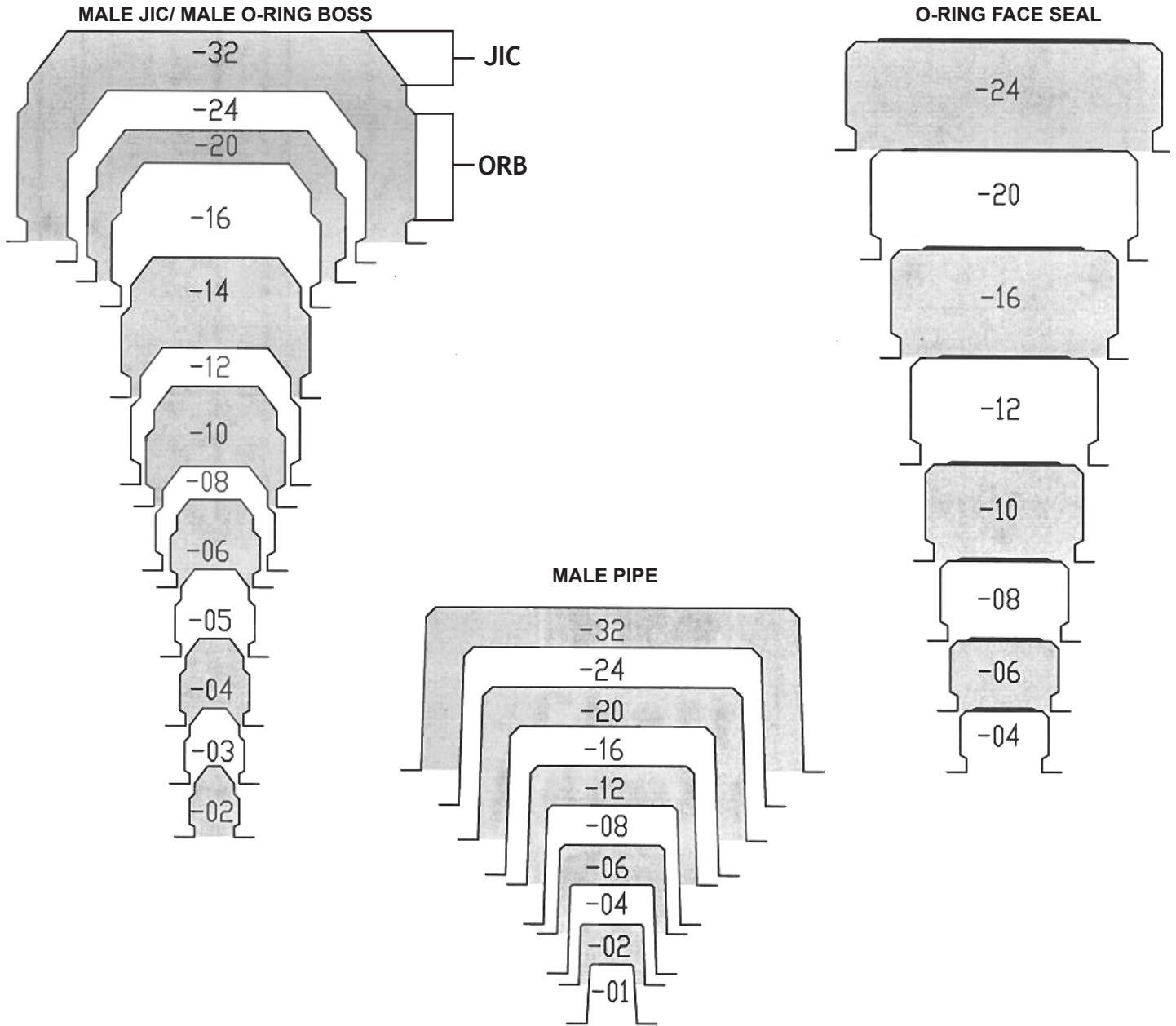
| ORFS Specifications | | | | | | | | |
|---------------------|-----------|-------------|------------------|-------------------|-------------------|-------------------|-----------|-------------|
| Dash Size | Tube Size | Thread Size | Working Pressure | | Torque | | | |
| | | | Male | Female Swivel Nut | Male & Female | Bulkhead Locknut | Tube Nuts | Swivel Nuts |
| | | | (psi) | (psi) | (ft-lbs) +25% -0% | (ft-lbs) +25% -0% | WR | FWR |
| 04 | 1/4 | 9/16-18 | 6000 | 6000 | 18 | 16 | 1/4-1/2 | 1/2-3/4 |
| 06 | 3/8 | 11/16-16 | 6000 | 6000 | 29 | 22 | 1/4-1/2 | 1/2-3/4 |
| 08 | 1/2 | 13/16-16 | 6000 | 6000 | 41 | 29 | 1/4-1/2 | 1/2-3/4 |
| 10 | 5/8 | 1-14 | 6000 | 6000 | 44 | 44 | 1/4-1/2 | 1/2-3/4 |
| 12 | 3/4 | 1-3/16-12 | 6000 | 6000 | 66 | 66 | 1/4-1/2 | 1/3-1/2 |
| 16 | 1 | 1-7/16-12 | 6000 | 5000 | 92 | 92 | 1/4-1/2 | 1/3-1/2 |
| 20 | 1 1/4 | 1-11/16-12 | 4000 | 4000 | 125 | 111 | 1/4-1/2 | 1/3-1/2 |
| 24 | 1 1/2 | 2-12 | 4000 | 3000 | 147 | 125 | 1/4-1/2 | 1/3-1/2 |

Note: Values are per SAE J2593 & J1453

Torque values are for wet installation of steel components. Reduce torque values for softer material components.

Table 4: ORFS Specifications

PROFILE SIZE CHART



AG INTERCHANGE - NV SERIES

STEEL SAE O-RING

HYDRAULIC ADAPTERS

90° O-RING SWIVEL ADAPTER



| PART # | O-RING THREAD SIZE 1 | FEMALE NPSM SIZE 2 | |
|-------------|----------------------------|--------------------------|------|
| 6901NWO42 | 7/16-20 | 1/8 | ---- |
| 6901NWO44 | 7/16-20 | 1/4 | ---- |
| 6901NWO64 | 9/16-18 | 1/4 | ---- |
| 6901NWO66 | 9/16-18 | 3/8 | ---- |
| 6901NWO68 | 9/16-18 | 1/2 | ---- |
| 6901NWO84 | 3/4-16 | 1/4 | ---- |
| 6901NWO86 | 3/4-16 | 3/8 | ---- |
| 6901NWO88 | 3/4-16 | 1/2 | ---- |
| 6901NWO812 | 3/4-16 | 3/4 | ---- |
| 6901NWO104 | 7/8-14 | 1/4 | ---- |
| 6901NWO106 | 7/8-14 | 3/8 | ---- |
| 6901NWO108 | 7/8-14 | 1/2 | ---- |
| 6901NWO126 | 1-1/16-12 | 3/8 | ---- |
| 6901NWO128 | 1-1/16-12 | 1/2 | ---- |
| 6901NWO1212 | 1-1/16-12 | 3/4 | ---- |
| 6901NWO1612 | 1-5/16-12 | 3/4 | ---- |
| 6901NWO1616 | 1-5/16-12 | 1 | ---- |
| 6901NWO2016 | 1-5/8-12 | 1 | ---- |
| 6901NWO2020 | 1-5/8-12 | 1-1/4 | ---- |
| 6901NWO2424 | 1-7/8-12 | 1-1/2 | ---- |
| 6901NWO3232 | 2-1/2-12 | 2 | ---- |

45° O-RING SWIVEL ADAPTER

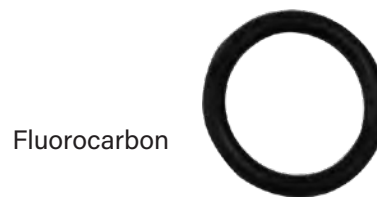


| PART # | O-RING THREAD SIZE 1 | FEMALE NPSM SIZE 2 | |
|-------------|----------------------------|--------------------------|------|
| 6902NWO42 | 7/16-20 | 1/8 | ---- |
| 6902NWO44 | 7/16-20 | 1/4 | ---- |
| 6902NWO46 | 7/16-20 | 3/8 | ---- |
| 6902NWO64 | 9/16-18 | 1/4 | ---- |
| 6902NWO66 | 9/16-18 | 3/8 | ---- |
| 6902NWO68 | 9/16-18 | 1/2 | ---- |
| 6902NWO84 | 3/4-16 | 1/4 | ---- |
| 6902NWO86 | 3/4-16 | 3/8 | ---- |
| 6902NWO88 | 3/4-16 | 1/2 | ---- |
| 6902NWO108 | 7/8-14 | 1/2 | ---- |
| 6902NWO128 | 1-1/16-12 | 1/2 | ---- |
| 6902NWO1212 | 1-1/16-12 | 3/4 | ---- |
| 6902NWO1616 | 1-5/16-12 | 1 | ---- |

6902 2067R 1272 9365

O-RINGS

VITON 75 SAE BOSS O-RING



| PART # | O-RING THREAD | |
|--------|---------------|------|
| 400122 | 5/16-24 | ---- |
| 400144 | 7/16-20 | ---- |
| 400166 | 9/16-18 | ---- |
| 400188 | 3/4-16 | ---- |
| 400110 | 7/8-14 | ---- |
| 400112 | 1-1/16-12 | ---- |
| 400116 | 1-5/16-12 | ---- |
| 400120 | 1-5/8-12 | ---- |
| 400124 | 1-7/8-12 | ---- |
| 400132 | 2-1/2-12 | ---- |

NITRILE 90 SAE BOSS O-RING



| PART # | O-RING THREAD | |
|--------|---------------|------|
| 400022 | 5/16-24 | ---- |
| 400044 | 7/16-20 | ---- |
| 400066 | 9/16-18 | ---- |
| 400088 | 3/4-16 | ---- |
| 400010 | 7/8-14 | ---- |
| 400012 | 1-1/16-12 | ---- |
| 400014 | 1-3/16-12 | ---- |
| 400016 | 1-5/16-12 | ---- |
| 400020 | 1-5/8-12 | ---- |
| 400024 | 1-7/8-12 | ---- |
| 400032 | 2-1/2-12 | ---- |

BRAZE TUBE NUT (SLEEVE REQUIRED)



| PART # | TUBE O.D. | BRAZE TUBE O.D. | |
|----------|-----------|-----------------|------|
| FSO3184 | 1/4 | .25 | ---- |
| FSO3186 | 3/8 | .38 | ---- |
| FSO3188 | 1/2 | .50 | ---- |
| FSO31810 | 5/8 | .62 | ---- |
| FSO31812 | 3/4 | .72 | ---- |
| FSO31816 | 1 | 1.00 | ---- |
| FSO31820 | 1 1/4 | 1.25 | ---- |
| FSO31824 | 1 1/2 | 1.50 | ---- |

FF318 FF1311

O-RING FACE SEAL ADAPTERS

HYDRAULIC ADAPTERS

BRAZE TUBE SLEEVE

SAE 520115



| PART # | TUBE O.D. | |
|----------|-----------|------|
| FSO3194 | 1/4 | ---- |
| FSO3196 | 3/8 | ---- |
| FSO3198 | 1/2 | ---- |
| FSO31910 | 5/8 | ---- |
| FSO31912 | 3/4 | ---- |
| FSO31916 | 1 | ---- |
| FSO31920 | 1-1/4 | ---- |

FF319 FF3019

See Page 414 for JIC Nut and Sleeve

CAP

SAE 520112



• Two Piece Nut/ Insert

| PART # | TUBE O.D. | FACE SEAL THREAD | |
|-----------|-----------|------------------|------|
| FSO304C4 | 1/4 | 9/16-18 | ---- |
| FSO304C6 | 3/8 | 11/16-16 | ---- |
| FSO304C8 | 1/2 | 13/16-16 | ---- |
| FSO304C10 | 5/8 | 1-14 | ---- |
| FSO304C12 | 3/4 | 1-3/16-12 | ---- |
| FSO304C16 | 1 | 1-7/16-12 | ---- |
| FSO304C20 | 1-1/4 | 1-11/16-12 | ---- |
| FSO304C24 | 1-1/2 | 2-12 | ---- |

FF304C

BULKHEAD LOCKNUT

SAE 520118



| PART # | THREAD SIZE | |
|----------|-------------|------|
| FSO3064 | 9/16-18 | ---- |
| FSO3066 | 11/16-16 | ---- |
| FSO3068 | 13/16-16 | ---- |
| FSO30612 | 1-3/16-12 | ---- |
| FSO30616 | 1-7/16-12 | ---- |

FF403

MALE UNION CONNECTOR

SAE 520102



| PART # | TUBE O.D. | FACE SEAL THREAD 1&2 | |
|-------------|-----------|----------------------|------|
| FSO240344 | 1/4 | 9/16-18 | ---- |
| FSO240366 | 3/8 | 11/16-16 | ---- |
| FSO240388 | 1/2 | 13/16-16 | ---- |
| FSO24031212 | 3/4 | 1-3/16-12 | ---- |
| FSO24031616 | 1 | 1-7/16-12 | ---- |

FF2403 FF1203

MALE O-RING FACE SEAL ADAPTER



| PART # | FACE SEAL THREAD 1 | MALE PIPE SIZE 2 | |
|-------------|--------------------|------------------|------|
| FSO240444 | 9/16-18 | 1/4-18 | ---- |
| FSO240446 | 9/16-18 | 3/8 | ---- |
| FSO240464 | 11/16-16 | 1/4-18 | ---- |
| FSO240466 | 11/16-16 | 3/8-18 | ---- |
| FSO240484 | 13/16-16 | 1/4-18 | ---- |
| FSO240486 | 13/16-16 | 3/8 | ---- |
| FSO240488 | 13/16-16 | 1/2-14 | ---- |
| FSO2404108 | 1-14 | 1/2 | ---- |
| FSO24041212 | 1-3/16-12 | 3/4-14 | ---- |
| FSO24041616 | 1-7/16-12 | 1-11/12 | ---- |
| FSO24042020 | 1-11/16-12 | 1-1/4 | ---- |
| FSO24042424 | 2-12 | 1-1/2 | ---- |

FF2404 4205 FLO

FEMALE ORFS TO MALE ORFS REDUCER



| PART # | FEMALE FACE SEAL SIZE 1 | MALE FACE SEAL THREAD 2 | |
|------------|-------------------------|-------------------------|------|
| FSO240664 | 11/16-16 | 9/16-18 | ---- |
| FSO240684 | 13/16-16 | 9/16-18 | ---- |
| FSO2406106 | 1-14 | 11/16-16 | ---- |
| FSO2406108 | 1-14 | 13/16-16 | ---- |
| FSO2406126 | 1-3/16-12 | 11/16-16 | ---- |

FF2406 TRLON

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

O-RING FACE SEAL ADAPTERS

HYDRAULIC ADAPTERS

PLUG

SAE 520109



| PART # | TUBE O.D. | FACE SEAL THREAD | |
|-----------|-----------|------------------|------|
| FSO24084 | 1/4 | 9/16-18 | ---- |
| FSO24086 | 3/8 | 11/16-16 | ---- |
| FSO24088 | 1/2 | 13/16-16 | ---- |
| FSO240810 | 5/8 | 1-14 | ---- |
| FSO240812 | 3/4 | 1-3/8-12 | ---- |
| FSO240816 | 1 | 1-7/16-12 | ---- |
| FSO240820 | 1-1/4 | 1-11/16-12 | ---- |
| FSO240824 | 1-1/2 | 2-12 | ---- |

FF2408 FF1254 4229 PNLO

ORFS UNION ELBOW 90°



| PART # | FACE SEAL THREAD 1 | FACE SEAL THREAD 2 | |
|------------|--------------------|--------------------|------|
| FS250044 | 9/16-18 | 9/16-18 | ---- |
| FS250066 | 11/16-16 | 11/16-16 | ---- |
| FS25001010 | 1-14 | 1-14 | ---- |
| FS25001212 | 1-3/16-12 | 1-3/16-12 | ---- |
| FS25001616 | 1-7/16-12 | 1-7/16-12 | ---- |

FF2500 4505 ELO

ORFS TO MALE ELBOW

SAE 520202



| PART # | FACE SEAL THREAD 1 | MALE PIPE THREAD 2 | |
|------------|--------------------|--------------------|------|
| FS250144 | 9/16-18 | 1/4 | ---- |
| FS250164 | 11/16-16 | 1/4 | ---- |
| FS250166 | 11/16-16 | 3/8 | ---- |
| FS250186 | 13/16-16 | 3/8 | ---- |
| FS250188 | 13/16-16 | 1/2 | ---- |
| FS2501812 | 13/16-16 | 3/4 | ---- |
| FS2501108 | 1-14 | 1/2 | ---- |
| FS25011012 | 1-14 | 3/4 | ---- |
| FS2501128 | 1-3/8-12 | 1/2 | ---- |
| FS25011212 | 1-3/8-12 | 3/4 | ---- |
| FS25011216 | 1-3/8-12 | 1 | ---- |
| FS25011616 | 1-7/16-12 | 1 | ---- |
| FS25012020 | 1-11/16-12 | 1-1/4 | ---- |
| FS25012424 | 2-12 | 1-1/2 | ---- |

FF2501 FF1208 4405 CLO

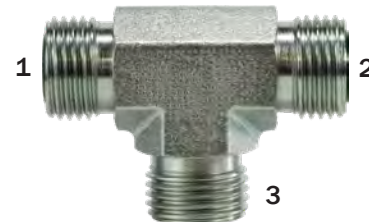
ORFS TO PIPE ELBOW 45°



| PART # | FACE SEAL THREAD 1 | MALE PIPE THREAD 2 | |
|------------|--------------------|--------------------|------|
| FS250344 | 9/16-18 | 1/4 | ---- |
| FS250366 | 11/16-16 | 3/8 | ---- |
| FS250388 | 13/16-16 | 1/2 | ---- |
| FS25031212 | 1-3/16-12 | 3/4 | ---- |
| FS25031616 | 1-7/16-12 | 1 | ---- |

FF2503 4355 VLO

ORFS UNION TEE



| PART # | FACE SEAL THREAD 1+2+3 | |
|------------|------------------------|------|
| FS260344 | 9/16-18 | ---- |
| FS260366 | 11/16-16 | ---- |
| FS260388 | 13/16-16 | ---- |
| FS26031212 | 1-3/16-12 | ---- |

MALE FLAT FACE TO FEMALE 37° SWIVEL



| PART # | FACE SEAL THREAD 1 | JIC THREAD 2 | |
|------------|--------------------|--------------|------|
| FS640244 | 9/16-18 | 7/16-20 | ---- |
| FS640266 | 11/16-16 | 9/16-18 | ---- |
| FS640288 | 13/16-16 | 3/4-16 | ---- |
| FS64021010 | 1-14 | 7/8-14 | ---- |
| FS64021212 | 1-3/16-12 | 1-1/16-12 | ---- |

FF6402 FF1294

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

O-RING FACE SEAL ADAPTERS

HYDRAULIC ADAPTERS

MALE ORFS TO ORB CONNECTOR

SAE 520120



| PART # | FACE SEAL THREAD 1 | O-RING THREAD 2 | |
|-------------|-----------------------|--------------------|------|
| FS6400O44 | 9/16-18 | 7/16-20 | ---- |
| FS6400O46 | 9/16-18 | 9/16-18 | ---- |
| FS6400O64 | 11/16-16 | 7/16-20 | ---- |
| FS6400O66 | 11/16-16 | 9/16-18 | ---- |
| FS6400O68 | 11/16-16 | 3/4-16 | ---- |
| FS6400O86 | 13/16-16 | 9/16-18 | ---- |
| FS6400O88 | 13/16-16 | 3/4-16 | ---- |
| FS6400O810 | 13/16-16 | 7/8-14 | ---- |
| FS6400O108 | 1-14 | 3/4-16 | ---- |
| FS6400O1010 | 1-14 | 7/8-14 | ---- |
| FS6400O1012 | 1-14 | 1-1/16-12 | ---- |
| FS6400O128 | 1-3/16-12 | 3/4-16 | ---- |
| FS6400O1210 | 1-3/16-12 | 7/8-14 | ---- |
| FS6400O1212 | 1-3/16-12 | 1-1/16-12 | ---- |
| FS6400O1216 | 1-3/16-12 | 1-5/16-12 | ---- |
| FS6400O1612 | 1-7/16-12 | 1-1/16-12 | ---- |
| FS6400O1616 | 1-7/16-12 | 1-5/16-12 | ---- |
| FS6400O1620 | 1-7/16-12 | 1-5/8-12 | ---- |
| FS6400O2020 | 1-11/16-12 | 1-5/8-12 | ---- |
| FS6400O2024 | 1-11/16-12 | 1-7/8-12 | ---- |
| FS6400O2424 | 2-12 | 1-7/8-12 | ---- |

4315 FF6400 FF1231

SWIVEL NUT ELBOW



| PART # | FACE SEAL THREAD 1 | FACE SEAL THREAD 2 | |
|------------|-----------------------|-----------------------|------|
| FS650044 | 9/16-18 | 9/16-18 | ---- |
| FS650066 | 11/16-16 | 11/16-16 | ---- |
| FS650088 | 13/16-16 | 13/16-16 | ---- |
| FS65001212 | 1-3/16-12 | 1-3/16-12 | ---- |

FF6500 FF1236

MALE JIC 37° FLARE TO FEMALE FLAT FACE SWIVEL



| PART # | JIC THREAD SIZE 1 | FACE SEAL THREAD 2 | |
|------------|----------------------|-----------------------|------|
| FS650444 | 7/16-20 | 9/16-18 | ---- |
| FS650466 | 9/16-18 | 11/16-16 | ---- |
| FS650488 | 3/4-16 | 13/16-16 | ---- |
| FS65041010 | 7/8-14 | 1-14 | ---- |
| FS65041616 | 1-5/16-12 | 1-7/16-12 | ---- |

FF6504 FF1296

O-RING ELBOW CONNECTOR



| PART # | FACE SEAL THREAD 1 | O-RING THREAD 2 | |
|------------|-----------------------|--------------------|------|
| FS680144 | 9/16-18 | 7/16-20 | ---- |
| FS680146 | 9/16-18 | 9/16-18 | ---- |
| FS680164 | 11/16-16 | 7/16-20 | ---- |
| FS680166 | 11/16-16 | 9/16-18 | ---- |
| FS680168 | 11/16-16 | 3/4-16 | ---- |
| FS680186 | 13/16-16 | 9/16-18 | ---- |
| FS680188 | 13/16-16 | 3/4-16 | ---- |
| FS6801810 | 13/16-16 | 7/8-14 | ---- |
| FS6801108 | 1-14 | 3/4-16 | ---- |
| FS68011012 | 1-14 | 1-1/16-12 | ---- |
| FS68011210 | 1-3/16-12 | 7/8-14 | ---- |
| FS68011212 | 1-3/16-12 | 1-1/16-12 | ---- |
| FS68011216 | 1-3/16-12 | 1-5/16-12 | ---- |
| FS68011616 | 1-7/16-12 | 1-5/16-12 | ---- |
| FS68011620 | 1-7/16-12 | 1-5/8-12 | ---- |
| FS68012016 | 1-11/16-12 | 1-5/16-12 | ---- |
| FS68012020 | 1-11/16-12 | 1-5/8-12 | ---- |
| FS68012424 | 2-12 | 1-7/8-12 | ---- |

FF6801 FF1238 4515

ORFS TO O-RING ELBOW 45°



| PART # | FACE SEAL THREAD 1 | O-RING SIZE 2 | |
|------------|-----------------------|------------------|------|
| FS680244 | 9/16-18 | 7/16-20 | ---- |
| FS680266 | 11/16-16 | 9/16-18 | ---- |
| FS680288 | 13/16-16 | 3/4-16 | ---- |
| FS68021010 | 1-14 | 7/8-14 | ---- |
| FS68021212 | 1-3/16-12 | 1-1/16-12 | ---- |
| FS68021616 | 1-7/16-12 | 1-5/16-12 | ---- |
| FS68022020 | 1-11/16-12 | 1-5/8-12 | ---- |

FF6802 4365 V5OLO

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer.
 For more information, visit www.P65Warnings.ca.gov



STEEL BSPT ADAPTERS

HYDRAULIC ADAPTERS

STRAIGHT THREAD SWIVEL NUT ELBOW



| PART # | O-RING THREAD 1 | FACE SEAL THREAD 2 | |
|------------|--------------------|-----------------------|------|
| FS680944 | 7/16-20 | 9/16-18 | ---- |
| FS680966 | 9/16-18 | 11/16-16 | ---- |
| FS680988 | 3/4-16 | 13/16-16 | ---- |
| FS68091212 | 1-1/16-12 | 1-3/16-12 | ---- |

FF6809 FF1239 4535 AOELC

STEEL BSPT ADAPTERS

JIC MALE CONNECTOR BSPT



| PART # | JIC THREAD SIZE 1 | MALE BSPT 2 | |
|----------|----------------------|----------------|------|
| 700042 | 7/16-20 | 1/8-28 | ---- |
| 700044 | 7/16-20 | 1/4-19 | ---- |
| 700064 | 9/16-18 | 1/4-19 | ---- |
| 700066 | 9/16-18 | 3/8-19 | ---- |
| 700068 | 9/16-18 | 1/2-14 | ---- |
| 700086 | 3/4-16 | 3/8-19 | ---- |
| 700088 | 3/4-16 | 1/2-14 | ---- |
| 7000812 | 3/4-16 | 3/4-14 | ---- |
| 7000108 | 7/8-14 | 1/2-14 | ---- |
| 70001012 | 7/8-14 | 3/4-14 | ---- |
| 7000128 | 1-1/16-12 | 1/2-14 | ---- |
| 70001212 | 1-1/16-12 | 3/4-14 | ---- |
| 70001616 | 1-5/16-12 | 1-11 | ---- |

3404 305

JIC MALE ELBOW BSPT



| PART # | JIC THREAD SIZE 1 | MALE BSPT 2 | |
|----------|----------------------|----------------|------|
| 720042 | 7/16-20 | 1/8-28 | ---- |
| 720044 | 7/16-20 | 1/4-19 | ---- |
| 720064 | 9/16-18 | 1/4-19 | ---- |
| 720066 | 9/16-18 | 3/8-19 | ---- |
| 720068 | 9/16-18 | 1/2-14 | ---- |
| 720086 | 3/4-16 | 3/8-19 | ---- |
| 720088 | 3/4-16 | 1/2-14 | ---- |
| 72001212 | 1-1/16-12 | 3/4-14 | ---- |

3501 315

BSPT HEX NIPPLE



| PART # | MALE BSPT 1 | MALE BSPT 2 | |
|----------|-------------|-------------|------|
| 752022 | 1/8-28 | 1/8-28 | ---- |
| 752044 | 1/4-19 | 1/4-19 | ---- |
| 752066 | 3/8-19 | 3/8-19 | ---- |
| 752088 | 1/2-14 | 1/2-14 | ---- |
| 75201010 | 5/8-14 | 5/8-14 | ---- |
| 75201212 | 3/4-14 | 3/4-14 | ---- |

3520 MBT

BSPT PLUG



| PART # | BSPT | |
|--------|--------|------|
| 95082 | 1/8-28 | ---- |
| 95084 | 1/4-19 | ---- |
| 95086 | 3/8-19 | ---- |
| 95088 | 1/2-14 | ---- |
| 950812 | 3/4-14 | ---- |
| 950816 | 1-11 | ---- |

100B-Y KA-RM MHL 296

STEEL BSPP ADAPTERS

BSPP HEX NIPPLE



| PART # | MALE BSPP 1 | MALE BSPP 2 | |
|----------|----------------|----------------|------|
| 742022 | 1/8-28 | 1/8-28 | ---- |
| 742042 | 1/4-19 | 1/8-28 | ---- |
| 742064 | 3/8-19 | 1/4-19 | ---- |
| 742066 | 3/8-19 | 3/8-19 | ---- |
| 742086 | 1/2-14 | 3/8-19 | ---- |
| 742088 | 1/2-14 | 1/2-14 | ---- |
| 7420108 | 5/8-14 | 1/2-14 | ---- |
| 7420128 | 3/4-14 | 1/2-14 | ---- |
| 74201212 | 3/4-14 | 3/4-14 | ---- |
| 74201612 | 1-11 | 3/4-14 | ---- |
| 74201616 | 1-11 | 1-11 | ---- |

3420 MB 9022

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov