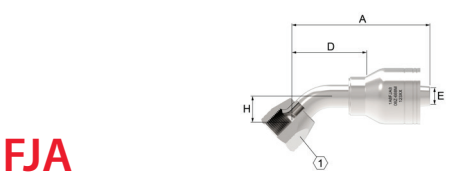


**MP**  
N.R.T.F. Male Pipe Rigid

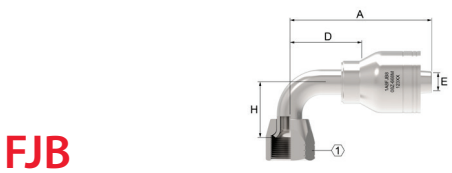
| Part #     | TTC          | Thread | Hose Size |
|------------|--------------|--------|-----------|
| 1AA2MP4    | 1/8-27       | -04    |           |
| 1AA4MP4    | 1/4-18       | -04    |           |
| 1AA6MP4    | 3/8-18       | -04    |           |
| 1AA8MP4    | 1/2-14       | -04    |           |
| 1AA4MP6    | 1/4-18       | -06    |           |
| 1AA6MP6    | 3/8-18       | -06    |           |
| 1AA8MP6    | 1/2-14       | -06    |           |
| 1AA4MP8    | 1/4-18       | -08    |           |
| 1AA6MP8    | 3/8-18       | -08    |           |
| 1AA8MP8    | 1/2-14       | -08    |           |
| 1AA12MP8   | 3/4-14       | -08    |           |
| 1AA6MP10   | 3/8-18       | -10    |           |
| 1AA8MP10   | 1/2-14       | -10    |           |
| 1AA12MP10  | 3/4-14       | -10    |           |
| 1AA8MP12   | 1/2-14       | -12    |           |
| 1AA12MP12C | 3/4-14       | -12    |           |
| 1AA12MP12  | 1-11/2       | -12    |           |
| 1AA12MP16  | 3/4-14       | -16    |           |
| 1AA16MP16  | 1-11/2       | -16    |           |
| 1AA20MP16  | 1 1/4-11 1/2 | -16    |           |
| 1AA20MP20  | 1 1/4-11 1/2 | -20    |           |
| 1AA4MP24   | 1 1/2-11 1/2 | -24    |           |
| 1AA32MP24  | 2-11 1/2     | -32    |           |



**FJA**  
JIC/37° Female Swivel,  
45° Tube Elbow

| Part #      | Thread    | Hose Size |
|-------------|-----------|-----------|
| 1AA4FJA4*   | 7/16-20   | -04       |
| 1AA5FJA4*   | 1/2-20    | -04       |
| 1AA6FJA4    | 9/16-18   | -04       |
| 1AA4FJA6    | 7/16-20   | -06       |
| 1AA6FJA6    | 9/16-18   | -06       |
| 1AA8FJA6*   | 3/4-16    | -06       |
| 1AA8FJA6    | 3/4-16    | -08       |
| 1AA10FJA8*  | 7/8-14    | -08       |
| 1AA10FJA10* | 7/8-14    | -10       |
| 1AA12FJA10  | 1 1/16-12 | -10       |
| 1AA12FJA12  | 1 1/16-12 | -12       |
| 1AA16FJA12  | 1 5/16-12 | -12       |
| 1AA16FJA16  | 1 5/16-12 | -16       |
| 1AA20FJA20  | 1 5/8-12  | -20       |

\*Swivel nuts are universal, both 37° and 45° connections.



**FJB**  
JIC/37° Female Swivel, 90° Elbow

| Part #      | TTC       | Thread | Hose Size |
|-------------|-----------|--------|-----------|
| 1AA4 F*     | 7/16-20   | -04    |           |
| 1AA5FJB4*   | 1/2-20    | -04    |           |
| 1AA6FJB4    | 9/16-18   | -04    |           |
| 1AA4FJB6    | 7/16-20   | -06    |           |
| 1AA6FJB6    | 9/16-18   | -06    |           |
| 1AA8FJB6*   | 3/4-16    | -06    |           |
| 1AA8FJB8    | 3/4-16    | -08    |           |
| 1AA10FJB8*  | 7/8-14    | -08    |           |
| 1AA10FJB10* | 7/8-14    | -10    |           |
| 1AA12FJB10* | 1 1/16-12 | -10    |           |
| 1AA10FJB12  | 7/8-14    | -12    |           |
| 1AA12FJB12  | 1 1/16-12 | -12    |           |
| 1AA16FJB12  | 1 5/16-12 | -12    |           |
| 1AA16FJB16  | 1 5/16-12 | -16    |           |
| 1AA20FJB20  | 1 5/8-12  | -20    |           |
| 1AA24FJB24  | 1 7/8-12  | -24    |           |

\*Swivel nuts are universal, both 37° and 45° connections.

**PS**  
N.R.T.F. Male Pipe Swivel

| Part #    | TTC    | Thread | Hose Size |
|-----------|--------|--------|-----------|
| 1AA4PS4   | 1/4-18 | -04    |           |
| 1AA6PS4   | 3/8-18 | -06    |           |
| 1AA6PS6   | 3/8-18 | -06    |           |
| 1AA8PS6   | 1/2-14 | -06    |           |
| 1AA6PS8   | 3/8-18 | -08    |           |
| 1AA8PS8   | 1/2-14 | -08    |           |
| 1AA12PS12 | 3/4-14 | -12    |           |
| 1AA16PS16 | 1-11/2 | -16    |           |

**FP**  
Female Pipe Rigid

| Part #    | TTC    | Thread | Hose Size |
|-----------|--------|--------|-----------|
| 1AA2FP4   | 1/8-27 | -04    |           |
| 1AA4FP4   | 1/4-18 | -04    |           |
| 1AA4FP6   | 1/4-18 | -06    |           |
| 1AA6FP6   | 3/8-18 | -06    |           |
| 1AA8FP8   | 1/2-14 | -08    |           |
| 1AA12FP12 | 3/4-14 | -12    |           |

**PF**  
Female Pipe Swivel

| Part #    | TTC    | Thread | Hose Size |
|-----------|--------|--------|-----------|
| 1AA4PF4   | 1/4-18 | -04    |           |
| 1AA6PF6   | 3/8-18 | -06    |           |
| 1AA8PF8   | 1/2-14 | -08    |           |
| 1AA12PF12 | 3/4-14 | -12    |           |

**SP**  
Female Straight Pipe Swivel (NPSM)

| Part #    | TTC          | Thread | Hose Size |
|-----------|--------------|--------|-----------|
| 1AA4SP4   | 1/4-18       | -04    |           |
| 1AA6SP6   | 3/8-18       | -06    |           |
| 1AA8SP8   | 1/2-14       | -08    |           |
| 1AA12SP12 | 3/4-14       | -12    |           |
| 1AA16SP16 | 1-11/2       | -16    |           |
| 1AA20SP20 | 1 1/4-11 1/2 | -20    |           |

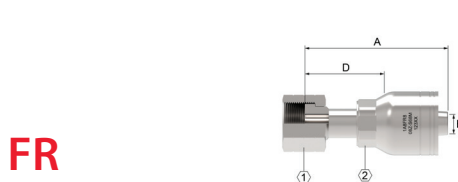
**PSG**  
Male Pipe Swivel 90° Elbow

| Part #     | TTC    | Thread | Hose Size |
|------------|--------|--------|-----------|
| 1AA4PSB4   | 1/4-18 | -04    |           |
| 1AA4PSB6   | 1/4-18 | -06    |           |
| 1AA6PSB6   | 3/8-18 | -06    |           |
| 1AA8PSB8   | 1/2-14 | -08    |           |
| 1AA12PSB12 | 3/4-14 | -12    |           |

**FJ**  
JIC/37° Female Swivel

| Part #    | TTC       | Thread | Hose Size |
|-----------|-----------|--------|-----------|
| 1AA3FJ4   | 3/8-24    | -04    |           |
| 1AA4FJ4*  | 7/16-20   | -04    |           |
| 1AA5FJ4   | 1/2-20    | -04    |           |
| 1AA6FJ4   | 9/16-18   | -04    |           |
| 1AA4FJ6   | 7/16-20   | -06    |           |
| 1AA5FJ6   | 1/2-20    | -06    |           |
| 1AA6FJ6   | 9/16-18   | -06    |           |
| 1AA6FJ8   | 9/16-18   | -08    |           |
| 1AA8FJ6*  | 3/4-16    | -06    |           |
| 1AA8FJ8*  | 3/4-16    | -08    |           |
| 1AA10FJ6  | 7/8-14    | -06    |           |
| 1AA10FJ8  | 7/8-14    | -08    |           |
| 1AA16FJ8  | 1 5/16-12 | -08    |           |
| 1AA8FJ10  | 3/4-16    | -10    |           |
| 1AA10FJ10 | 7/8-14    | -10    |           |
| 1AA12FJ10 | 1 1/16-12 | -10    |           |
| 1AA10FJ12 | 7/8-14    | -12    |           |
| 1AA12FJ12 | 1 1/16-12 | -12    |           |
| 1AA14FJ12 | 1 1/16-12 | -12    |           |
| 1AA16FJ12 | 1 5/16-12 | -12    |           |
| 1AA12FJ16 | 1 1/16-12 | -16    |           |
| 1AA14FJ16 | 1 1/16-12 | -16    |           |
| 1AA16FJ16 | 1 5/16-12 | -16    |           |
| 1AA16FJ20 | 1 5/8-12  | -20    |           |
| 1AA20FJ20 | 1 5/8-12  | -20    |           |
| 1AA24FJ24 | 1 7/8-12  | -24    |           |
| 1AA32FJ32 | 2 1/2-12  | -32    |           |

\* Also available in stainless steel, add suffix "C" to part number.  
i.e., 1AA6FJC, 1AA8FJC or 1AA8FJBC.



**FR**  
Female ORS Swivel

| Part #    | TTC        | Thread | Hose Size |
|-----------|------------|--------|-----------|
| 1AA4FR4   | 9/16-18    | -04    |           |
| 1AA6FR4   | 1 1/16-16  | -04    |           |
| 1AA8FR4   | 1 3/16-16  | -04    |           |
| 1AA4FR6   | 9/16-18    | -06    |           |
| 1AA6FR6   | 1 1/16-18  | -06    |           |
| 1AA8FR6   | 1 3/16-16  | -06    |           |
| 1AA6FR8   | 1 1/16-16  | -08    |           |
| 1AA8FR8   | 1 3/16-16  | -08    |           |
| 1AA10FR8  | 1-14       | -08    |           |
| 1AA12FR8  | 1 3/16-12  | -08    |           |
| 1AA8FR10  | 1 3/16-16  | -10    |           |
| 1AA10FR10 | 1-14       | -10    |           |
| 1AA12FR10 | 1 3/16-12  | -10    |           |
| 1AA10FR12 | 1-14       | -12    |           |
| 1AA12FR12 | 1 3/16-12  | -12    |           |
| 1AA16FR12 | 1 7/16-12  | -12    |           |
| 1AA12FR16 | 1 3/16-12  | -16    |           |
| 1AA16FR16 | 1 7/16-12  | -16    |           |
| 1AA20FR16 | 1 11/16-12 | -16    |           |
| 1AA20FR20 | 1 11/16-12 | -20    |           |
| 1AA24FR20 | 2-12       | -20    |           |

**FRA**  
Female ORS Swivel, 45° Tube Elbow

| Part #     | TTC        | Thread | Hose Size |
|------------|------------|--------|-----------|
| 1AA4FRA4   | 9/16-18    | -04    |           |
| 1AA6FRA4   | 1 1/16-16  | -04    |           |
| 1AA4FRA6   | 9/16-18    | -06    |           |
| 1AA6FRA6   | 1 1/16-16  | -06    |           |
| 1AA8FRA6   | 1 1/16-16  | -06    |           |
| 1AA6FRA8   | 1 1/16-16  | -06    |           |
| 1AA8FRA8   | 1 3/16-16  | -08    |           |
| 1AA10FRA8  | 1-14       | -08    |           |
| 1AA12FRA8  | 1 3/16-12  | -08    |           |
| 1AA10FRA10 | 1-14       | -10    |           |
| 1AA12FRA10 | 1 3/16-12  | -10    |           |
| 1AA12FRA12 | 1 3/16-12  | -12    |           |
| 1AA16FRA12 | 1 7/16-12  | -12    |           |
| 1AA12FRA16 | 1 3/16-12  | -16    |           |
| 1AA16FRA16 | 1 7/16-12  | -16    |           |
| 1AA20FRA16 | 1 11/16-12 | -16    |           |
| 1AA20FRA20 | 1 11/16-12 | -20    |           |
| 1AA24FRA20 | 2-12       | -20    |           |
| 1AA24FRA24 | 2-12       | -24    |           |

**FRB**  
Female ORS Swivel, 90° Tube Elbow Short Drop

| Part #     | TTC        | Thread | Hose Size |
|------------|------------|--------|-----------|
| 1AA4FRB4   | 9/16-18    | -04    |           |
| 1AA6FRB4   | 1 1/16-16  | -04    |           |
| 1AA4FRB6   | 9/16-18    | -06    |           |
| 1AA6FRB6   | 1 1/16-16  | -06    |           |
| 1AA8FRB6   | 1 1/16-16  | -06    |           |
| 1AA8FRB6   | 1 3/16-16  | -06    |           |
| 1AA6FRB8   | 1 1/16-16  | -08    |           |
| 1AA8FRB8   | 1 3/16-16  | -08    |           |
| 1AA10FRB8  | 1-14       | -08    |           |
| 1AA12FRB8  | 1 3/16-12  | -08    |           |
| 1AA10FRB10 | 1-14       | -10    |           |
| 1AA12FRB10 | 1 3/16-12  | -10    |           |
| 1AA12FRB12 | 1 3/16-12  | -12    |           |
| 1AA16FRB12 | 1 7/16-12  | -12    |           |
| 1AA16FRB16 | 1 7/16-12  | -16    |           |
| 1AA20FRB16 | 1 11/16-12 | -16    |           |
| 1AA20FRB20 | 1 11/16-12 | -20    |           |
| 1AA20FRB20 | 1 11/16-12 | -20    |           |
| 1AA24FRB20 | 2-12       | -20    |           |
| 1AA24FRB24 | 2-12       | -24    |           |

**FRC**  
Female ORS Swivel, 90° Tube Elbow Long Drop

| Part #     | TTC        | Thread | Hose Size |
|------------|------------|--------|-----------|
| 1AA4FRC4   | 9/16-18    | -04    |           |
| 1AA6FRC4   | 1 1/16-16  | -04    |           |
| 1AA6FRC6   | 1 1/16-16  | -06    |           |
| 1AA8FRC6   | 1 3/16-16  | -06    |           |
| 1AA8FRC8   | 1 3/16-16  | -08    |           |
| 1AA10FRC8  | 1-14       | -08    |           |
| 1AA10FRC10 | 1-14       | -10    |           |
| 1AA12FRC12 | 1 3/16-12  | -12    |           |
| 1AA16FRC12 | 1 7/16-12  | -12    |           |
| 1AA16FRC16 | 1 7/16-12  | -16    |           |
| 1AA20FRC20 | 1 11/16-12 | -20    |           |
| 1AA24FRC20 | 2-12       | -20    |           |

**MR**  
Male ORS Rigid

| Part #    | TTC        | Thread | Hose Size |
|-----------|------------|--------|-----------|
| 1AA4MR4   | 9/16-18    | -04    |           |
| 1AA6MR4   | 1 1/16-16  | -04    |           |
| 1AA6MR6   | 1 1/16-16  | -06    |           |
| 1AA8MR6   | 1 3/16-16  | -06    |           |
| 1AA8MR8   | 1 3/16-16  | -08    |           |
| 1AA10MR8  | 1-14       | -08    |           |
| 1AA12MR8  | 1 3/16-12  | -08    |           |
| 1AA10MR10 | 1-14       | -10    |           |
| 1AA12MR10 | 1 3/16-12  | -10    |           |
| 1AA12MR12 | 1 3/16-12  | -12    |           |
| 1AA16MR12 | 1 7/16-12  | -12    |           |
| 1AA16MR16 | 1 7/16-12  | -16    |           |
| 1AA20MR16 | 1 11/16-12 | -16    |           |
| 1AA20MR20 | 1 11/16-12 | -20    |           |

**MB**  
Male Straight Thread O-ring Rigid

| Part #    | TTC       | Thread | Hose Size |
|-----------|-----------|--------|-----------|
| 1AA4MB4   | 7/16-20   | -04    |           |
| 1AA5MB4   | 1/2-20    | -04    |           |
| 1AA6MB4   | 9/16-18   | -04    |           |
| 1AA6MB6   | 9/16-18   | -06    |           |
| 1AA8MB6   | 3/4-16    | -06    |           |
| 1AA10MB6  | 7/8-14    | -06    |           |
| 1AA8MB8   | 3/4-16    | -08    |           |
| 1AA10MB8  | 7/8-14    | -08    |           |
| 1AA12MB8  | 1 1/16-12 | -08    |           |
| 1AA10MB10 | 7/8-14    | -10    |           |
| 1AA12MB10 | 1 1/16-12 | -10    |           |
| 1AA12MB12 | 1 1/16-12 | -12    |           |
| 1AA16MB12 | 1 5/16-12 | -12    |           |
| 1AA16MB16 | 1 5/16-12 | -16    |           |
| 1AA20MB20 | 1 5/8-12  | -20    |           |



**SB**  
Male Straight Thread  
O-ring Swivel

| Part #   | TTC     | Thread | Hose Size |
|----------|---------|--------|-----------|
| 1AA4SB4  | 7/16-20 | -04    |           |
| 1AA6SB6  | 9/16-18 | -06    |           |
| 1AASB6   | 3/4-16  | -06    |           |
| 1AASB8   | 3/4-16  | -08    |           |
| 1AA10SB8 | 7/8-14  | -08    |           |

**SBB**  
Male Straight Thread  
O-ring Swivel 90° Elbow

| Part #     | TTC       | Thread | Hose Size |
|------------|-----------|--------|-----------|
| 1AA6SBB6   | 9/16-18   | -06    |           |
| 1AASBB6    | 3/4-16    | -06    |           |
| 1AASBB8    | 3/4-16    | -08    |           |
| 1AA10SBB8  | 7/8-14    | -08    |           |
| 1AA12SBB12 | 1 1/16-12 | -12    |           |

**MT**  
Flareless Tube Rigid  
Emmett 7000 Series

| Part #    | TTC      | Thread | Hose Size |
|-----------|----------|--------|-----------|
| 1AA4MT4   | 7/16-20  | -04    |           |
| 1AA5MT4   | 1/2-20   | -04    |           |
| 1AA4MT6   | 7/16-20  | -06    |           |
| 1AA5MT6   | 1/2-20   | -06    |           |
| 1AA6MT6   | 9/16-18  | -06    |           |
| 1AA8MT8   | 3/4-16   | -08    |           |
| 1AA10MT8  | 7/8-14   | -08    |           |
| 1AA20MT20 | 1 5/8-12 | -20    |           |

**MF**  
Inverted Male Swivel Straight

| Part #   | TTC       | Thread | Hose Size |
|----------|-----------|--------|-----------|
| 1AA3MF4  | 3/8-24    | -04    |           |
| 1AA4MF4  | 7/16-24   | -04    |           |
| 1AA5MF4  | 1/2-20    | -04    |           |
| 1AA4MF6  | 7/16-24   | -06    |           |
| 1AA5MF6  | 1/2-20    | -06    |           |
| 1AA7MF6  | 1 1/16-18 | -06    |           |
| 1AA8MF8  | 3/4-18    | -08    |           |
| 1AA10MF8 | 7/8-18    | -08    |           |

**MFA**  
Inverted Male 45° Tube Elbow

| Part #   | TTC       | Thread | Hose Size |
|----------|-----------|--------|-----------|
| 1AA4MFA4 | 7/16-24   | -04    |           |
| 1AA5MFA4 | 1/2-20    | -04    |           |
| 1AA6MFA6 | 1/2-20    | -06    |           |
| 1AA6MFA6 | 5/8-18    | -06    |           |
| 1AA7MFA6 | 1 1/16-18 | -06    |           |
| 1AA8MFA8 | 3/4-18    | -08    |           |