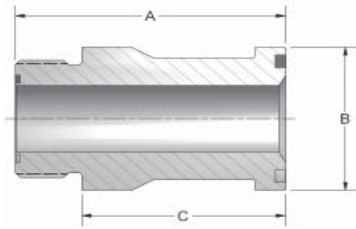


ORFS Thread



| CODE 61 ORFS THREAD | | | | | | |
|---------------------|-----------|-------------|------|-------|------|------------|
| PART NO. | TUBE O.D. | FLANGE SIZE | A | B | C | THREAD |
| 304-8-8 | 1/2 | 1/2 | 2.45 | 1.188 | 1.94 | 13/16-16 |
| 304-12-12 | 3/4 | 3/4 | 2.75 | 1.500 | 2.08 | 1 3/16-12 |
| 304-16-12 | 1 | 3/4 | 2.75 | 1.500 | 2.06 | 1 7/16-12 |
| 304-12-16 | 3/4 | 1 | 2.80 | 1.750 | 2.13 | 1 3/16-12 |
| 304-16-16 | 1 | 1 | 2.80 | 1.750 | 2.11 | 1 7/16-12 |
| 304-20-16 | 1 1/4 | 1 | 2.80 | 1.750 | 2.11 | 1 11/16-12 |
| 304-16-20 | 1 | 1 1/4 | 2.80 | 2.000 | 2.11 | 1 7/16-12 |
| 304-20-20 | 1 1/4 | 1 1/4 | 2.80 | 2.000 | 2.11 | 1 11/16-12 |
| 304-24-20 | 1 1/2 | 1 1/4 | 3.20 | 2.000 | 2.51 | 2-12 |
| 304-20-24 | 1 1/4 | 1 1/2 | 3.50 | 2.375 | 2.81 | 1 11/16-12 |
| 304-24-24 | 1 1/2 | 1 1/2 | 3.50 | 2.375 | 2.81 | 2-12 |
| 304-24-32 | 1 1/2 | 2 | 3.33 | 2.812 | 2.64 | 2-12 |

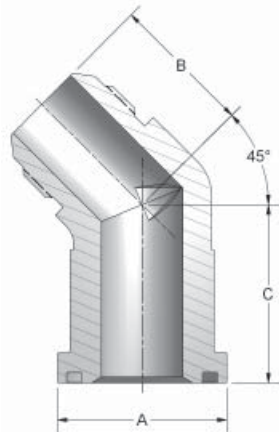
| CODE 62 ORFS THREAD | | | | | | |
|---------------------|-----------|-------------|------|-------|------|------------|
| PART NO. | TUBE O.D. | FLANGE SIZE | A | B | C | THREAD |
| 604-8-8 | 1/2 | 1/2 | 2.58 | 1.250 | 2.08 | 13/16-16 |
| 604-12-12 | 3/4 | 3/4 | 2.75 | 1.625 | 2.08 | 1 3/16-12 |
| 604-16-12 | 1 | 3/4 | 2.75 | 1.625 | 2.06 | 1 7/16-12 |
| 604-12-16 | 3/4 | 1 | 2.80 | 1.875 | 2.13 | 1 3/16-12 |
| 604-16-16 | 1 | 1 | 2.80 | 1.875 | 2.11 | 1 7/16-12 |
| 604-20-16 | 1 1/4 | 1 | 3.20 | 1.875 | 2.51 | 1 11/16-12 |
| 604-16-20 | 1 | 1 1/4 | 3.05 | 2.125 | 2.36 | 1 7/16-12 |
| 604-20-20 | 1 1/4 | 1 1/4 | 3.05 | 2.125 | 2.36 | 1 11/16-12 |
| 604-24-20 | 1 1/2 | 1 1/4 | 3.30 | 2.125 | 2.61 | 2-12 |
| 604-20-24 | 1 1/4 | 1 1/2 | 3.50 | 2.500 | 2.81 | 1 11/16-12 |
| 604-24-24 | 1 1/2 | 1 1/2 | 3.50 | 2.500 | 2.81 | 2-12 |
| 604-24-32 | 1 1/2 | 2 | 3.58 | 3.125 | 2.89 | 2-12 |

FLOW, NEEDLE & CHECK VALVES

HYDRAULIC BALL VALVES

WELD COUPLINGS

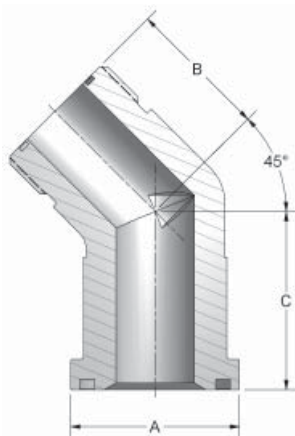
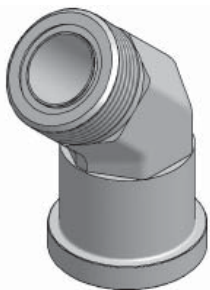
45° JIC Thread



| CODE 61 45° JIC THREAD | | | | | | |
|------------------------|-----------|-------------|-------|------|------|-----------|
| PART NO. | TUBE O.D. | FLANGE SIZE | A | B | C | THREAD |
| 340-12-12 | 3/4 | 3/4 | 1.500 | 1.28 | 1.58 | 1 1/16-12 |
| 340-16-16 | 1 | 1 | 1.750 | 1.47 | 1.85 | 1 5/16-12 |
| 340-20-20 | 1 1/4 | 1 1/4 | 2.000 | 1.59 | 2.04 | 1 5/8-12 |
| 340-24-24 | 1 1/2 | 1 1/2 | 2.375 | 1.78 | 2.38 | 1 7/8-12 |
| 340-32-32 | 2 | 2 | 2.812 | 2.22 | 3.00 | 2 1/2-12 |

| CODE 62 45° JIC THREAD | | | | | | |
|------------------------|-----------|-------------|-------|------|------|-----------|
| PART NO. | TUBE O.D. | FLANGE SIZE | A | B | C | THREAD |
| 640-12-12 | 3/4 | 3/4 | 1.625 | 1.28 | 1.58 | 1 1/16-12 |
| 640-16-16 | 1 | 1 | 1.875 | 1.47 | 1.85 | 1 5/16-12 |
| 640-20-20 | 1 1/4 | 1 1/4 | 2.125 | 1.59 | 2.04 | 1 5/8-12 |
| 640-24-24 | 1 1/2 | 1 1/2 | 2.500 | 1.78 | 2.38 | 1 7/8-12 |

45° ORFS Thread



| CODE 61 45° ORFS THREAD | | | | | | |
|-------------------------|-----------|-------------|-------|------|------|------------|
| PART NO. | TUBE O.D. | FLANGE SIZE | A | B | C | THREAD |
| 344-12-12 | 3/4 | 3/4 | 1.500 | 1.28 | 1.58 | 1 3/16-12 |
| 344-16-16 | 1 | 1 | 1.750 | 1.47 | 1.85 | 1 7/16-12 |
| 344-20-20 | 1 1/4 | 1 1/4 | 2.000 | 1.59 | 2.04 | 1 11/16-12 |
| 344-24-24 | 1 1/2 | 1 1/2 | 2.375 | 1.78 | 2.38 | 2-12 |

| CODE 62 45° ORFS THREAD | | | | | | |
|-------------------------|-----------|-------------|-------|------|------|------------|
| PART NO. | TUBE O.D. | FLANGE SIZE | A | B | C | THREAD |
| 644-12-12 | 3/4 | 3/4 | 1.625 | 1.28 | 1.58 | 1 3/16-12 |
| 644-16-16 | 1 | 1 | 1.875 | 1.47 | 1.85 | 1 7/16-12 |
| 644-20-20 | 1 1/4 | 1 1/4 | 2.125 | 1.59 | 2.04 | 1 11/16-12 |
| 644-24-24 | 1 1/2 | 1 1/2 | 2.500 | 1.78 | 2.38 | 2-12 |

FLANGES