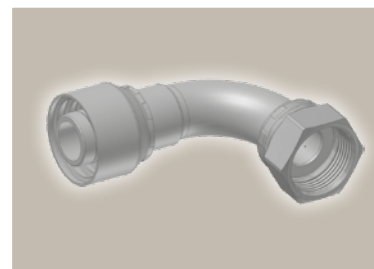
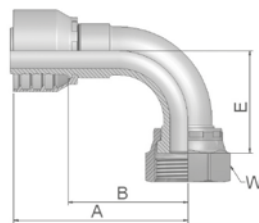


# J9

## Female ORFS – Swivel 90° Elbow – Short Drop

ISO 12151-1 – SWES  
SAE J516 – ORFS 90°



| Part Number |             | Hose I.D. |       |      |      | Thread     | A   | B   | E  | W  |
|-------------|-------------|-----------|-------|------|------|------------|-----|-----|----|----|
| 46 series   | 48 series   | DN        | Inch  | Size | mm   | UNF        | mm  | mm  | mm | mm |
| 1J946-4-4   | 1J948-4-4   | 6         | 1/4   | -4   | 6.4  | 9/16x18    | 52  | 29  | 21 | 17 |
| 1J946-6-4   | 1J948-6-4   | 6         | 1/4   | -4   | 6.4  | 11/16x16   | 51  | 27  | 23 | 22 |
|             | 1J948-8-4   | 6         | 1/4   | -4   | 6.4  | 13/16x16   | 50  | 26  | 29 | 24 |
| 1J946-6-5   | 1J948-6-5   | 8         | 5/16  | -5   | 7.9  | 11/16x16   | 53  | 29  | 23 | 22 |
| 1J946-4-6   | 1J948-4-6   | 10        | 3/8   | -6   | 9.5  | 9/16x18    | 47  | 24  | 21 | 17 |
| 1J946-6-6   | 1J948-6-6   | 10        | 3/8   | -6   | 9.5  | 11/16x16   | 52  | 29  | 23 | 22 |
| 1J946-8-6   | 1J948-8-6   | 10        | 3/8   | -6   | 9.5  | 13/16x16   | 53  | 30  | 29 | 24 |
| 1J946-6-8   | 1J948-6-8   | 12        | 1/2   | -8   | 12.7 | 11/16x16   | 53  | 29  | 23 | 22 |
| 1J946-8-8   | 1J948-8-8   | 12        | 1/2   | -8   | 12.7 | 13/16x16   | 55  | 32  | 29 | 24 |
| 1J946-10-8  | 1J948-10-8  | 12        | 1/2   | -8   | 12.7 | 1x14       | 66  | 42  | 32 | 30 |
| 1J946-12-8  | 1J948-12-8  | 12        | 1/2   | -8   | 12.7 | 1 3/16x12  | 58  | 34  | 48 | 36 |
| 1J946-10-10 | 1J948-10-10 | 16        | 5/8   | -10  | 15.9 | 1x14       | 65  | 39  | 32 | 30 |
| 1J946-12-10 | 1J948-12-10 | 16        | 5/8   | -10  | 15.9 | 1 3/16x12  | 71  | 45  | 48 | 36 |
| 1J946-10-12 | 1J948-10-12 | 19        | 3/4   | -12  | 19.1 | 1x14       | 69  | 43  | 32 | 30 |
| 1J946-12-12 | 1J948-12-12 | 19        | 3/4   | -12  | 19.1 | 1 3/16x12  | 80  | 54  | 48 | 36 |
| 1J946-16-12 |             | 19        | 3/4   | -12  | 19.1 | 1 7/16x12  | 88  | 62  | 56 | 41 |
| 1J946-12-16 |             | 25        | 1     | -16  | 25.4 | 1 3/16x12  | 88  | 58  | 48 | 36 |
|             | 1J948-12-16 | 25        | 1     | -16  | 25.4 | 1 3/16 12  | 88  | 58  | 48 | 36 |
| 1J946-16-16 | 1J948-16-16 | 25        | 1     | -16  | 25.4 | 1 7/16x12  | 98  | 68  | 56 | 41 |
| 1J946-20-16 | 1J948-20-16 | 25        | 1     | -16  | 25.4 | 1 11/16x12 | 104 | 74  | 64 | 50 |
| 1J946-20-20 |             | 31        | 1 1/4 | -20  | 31.8 | 1 11/16x12 | 124 | 86  | 64 | 50 |
|             | 1J948-20-20 | 31        | 1 1/4 | -20  | 31.8 | 1 11/16x12 | 129 | 82  | 64 | 50 |
|             | 1J948-24-24 | 38        | 1 1/2 | -24  | 38.1 | 2x12       | 140 | 102 | 82 | 60 |

Approved **fitting series** for hose types, depending on size:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

|                                                                                     |    |       |                                                                                     |       |       |       |         |       |       |       |            |       |       |            |       |       |     |     |
|-------------------------------------------------------------------------------------|----|-------|-------------------------------------------------------------------------------------|-------|-------|-------|---------|-------|-------|-------|------------|-------|-------|------------|-------|-------|-----|-----|
|  | 46 | or    |  | 48    | 441   | 461LT | 462     | 462TC | 462ST | 629PU | 692PU Twin |       |       |            |       |       |     |     |
|  | 46 | 463   | 492                                                                                 | 492ST | 492TC | 692   | 692Twin | 692TC | BCH1  |       |            |       |       |            |       |       |     |     |
|  | 48 | 301SN | 304                                                                                 | 387   | 387ST | 387TC | 421RH   | 421SN | 426   | 421TC | 436        | 441RH | 462PU | 462PU Twin | BCH2  | HT2   | ... |     |
|                                                                                     |    | 471TC | 477                                                                                 | 477ST | 477TC | 477RH | 487     | 487ST | 487TC | 493   | 787        | 787TC | 787ST | 797        | 797TC | 797ST | 811 | 881 |