



METRIC MALE 24° CONE S SERIES / S-SERIES FLANGE ISO 6162-2

**1DFS**

**1DFS-RNW**

| PART NO.    |                | E<br>THREAD | FLANGE SIZE | D<br>TUBE O.D. | FLANGE O-RING * | DIMENSIONS |      |      |     |    |    |
|-------------|----------------|-------------|-------------|----------------|-----------------|------------|------|------|-----|----|----|
| BODY        | ASSEMBLY       |             |             |                |                 | D1         | b    | l1   | L1  | S1 | S2 |
| 1DFS-24-08Z | 1DFS-24-08RNWZ | M24X1.5     | 1/2"        | 16             | O210 N90        | 31.7       | 7.8  | 44.5 | 63  | 24 | 30 |
| 1DFS-24-12Z | 1DFS-24-12RNWZ | M24X1.5     | 3/4"        | 16             | O214 N90        | 41.3       | 8.8  | 50.5 | 69  | 30 | 30 |
| 1DFS-30-12Z | 1DFS-30-12RNWZ | M30X2       | 3/4"        | 20             | O214 N90        | 41.3       | 8.8  | 50.5 | 72  | 30 | 36 |
| 1DFS-36-12Z | 1DFS-36-12RNWZ | M36X2       | 3/4"        | 25             | O214 N90        | 41.3       | 8.8  | 51   | 75  | 30 | 46 |
| 1DFS-36-16Z | 1DFS-36-16RNWZ | M36X2       | 1"          | 25             | O219 N90        | 47.6       | 9.5  | 60   | 81  | 36 | 46 |
| 1DFS-42-16Z | 1DFS-42-16RNWZ | M42X2       | 1"          | 30             | O219 N90        | 47.6       | 9.5  | 60.5 | 87  | 36 | 50 |
| 1DFS-42-20Z | 1DFS-42-20RNWZ | M42X2       | 1.1/4"      | 30             | O222 N90        | 54         | 10.3 | 65.5 | 92  | 41 | 50 |
| 1DFS-52-20Z | 1DFS-52-20RNWZ | M52X2       | 1.1/4"      | 38             | O222 N90        | 54         | 10.3 | 67   | 98  | 46 | 60 |
| 1DFS-52-24Z | 1DFS-52-24RNWZ | M52X2       | 1.1/2"      | 38             | O225 N90        | 63.5       | 12.6 | 73   | 104 | 46 | 60 |

1.\* NBR O-ring of flange end need another order. Use V80 replace N90 when the connector material is stainless steel and the O-ring material is Viton.

2. Material options for connector body and nut.

| connector body and nut material | Part. No. suffix | Part No. example |
|---------------------------------|------------------|------------------|
| Carbon steel (Default)          | Z                | 1DFS-30-12Z      |
| 304 stainless steel             | SR               | 1DFS-30-12SR     |
| 316L stainless steel            | SV               | 1DFS-30-12SV     |
| 316Ti stainless steel           | SY               | 1DFS-30-12SY     |

3. Plating options and performance for carbon steel connectors.

| Plating method         | Part. No. suffix | Part No. example | White rust (Hours) | Red rust (Hours) |
|------------------------|------------------|------------------|--------------------|------------------|
| Cr3+ plating (Default) | Z                | 1DFS-30-12Z      | 96                 | 360              |
| Durakote plating       | ZD               | 1DFS-30-12ZD     | 360                | 720              |
| Zinc-nickel plating    | ZN               | 1DFS-30-12ZN     | 1000               | -                |