



**1FFL**

ORFS MALE O-RING / L-SERIES FLANGE ISO 6162-1

| PART NO. | THREAD E    | FLANGE SIZE | O-RING |              | DIMENSIONS |      |      |      |      |  |
|----------|-------------|-------------|--------|--------------|------------|------|------|------|------|--|
|          |             |             | E END  | FLANGE END * | A          | b    | D1   | D2   | L    |  |
| 1FFL-12Z | 1.3/16X12   | 3/4"        | O018   | O214 N90     | 17         | 6.73 | 38.1 | 31.7 | 45.7 |  |
| 1FFL-16Z | 1.7/16"X12  | 1"          | O021   | O219 N90     | 17.5       | 8    | 44.4 | 38   | 47.8 |  |
| 1FFL-20Z | 1.11/16"X12 | 1.1/4"      | O025   | O222 N90     | 17.5       | 8    | 50.8 | 43   | 47   |  |
| 1FFL-24Z | 2"X12       | 1.1/2"      | O029   | O225 N90     | 17.5       | 8    | 60.3 | 50   | 49.5 |  |

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. OMaterial options for connector body and the O-ring.

| connector body material | OO-ring material | Part. No. suffix | Part No. example |
|-------------------------|------------------|------------------|------------------|
| Carbon steel (Default)  | NBR              | Z                | 1FFL-16Z         |
| 304 stainless steel     | Viton            | SR               | 1FFL-16SR        |
| 316L stainless steel    | Viton            | SV               | 1FFL-16SV        |
| 316Ti stainless steel   | Viton            | SY               | 1FFL-16SY        |

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                | 1FFL-16Z         | 96                 | 360             |
| Durakote plating       | ZD               | 1FFL-16ZD        | 360                | 720             |
| Zinc-nickel plating    | ZN               | 1FFL-16ZN        | 1000               | -               |