



1FFS

ORFS MALE O-RING / S-SERIES FLANGE ISO 6162-2

| PART NO. | THREAD E | FLANGE SIZE | O-RING | | DIMENSIONS | | | | | |
|----------|-------------|-------------|--------|--------------|------------|-------|------|----|------|--|
| | | | E END | FLANGE END * | A | b | D1 | D2 | L | |
| 1FFS-12Z | 1.3/16X12 | 3/4" | O018 | O214 N90 | 17 | 8.76 | 41.3 | 32 | 51.8 | |
| 1FFS-16Z | 1.7/16"X12 | 1" | O021 | O219 N90 | 17.5 | 9.53 | 47.6 | 38 | 57.2 | |
| 1FFS-20Z | 1.11/16"X12 | 1.1/4" | O025 | O222 N90 | 17.5 | 10.29 | 54 | 44 | 62 | |
| 1FFS-24Z | 2"X12 | 1.1/2" | O029 | O225 N90 | 17.5 | 12.57 | 63.5 | 51 | 66.8 | |

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 the O-ring.

| connector body material | O-ring material | Part. No. suffix | Part No. example |
|-------------------------|-----------------|------------------|------------------|
| Carbon steel (Default) | NBR | Z | 1FFS-16Z |
| 304 stainless steel | Viton | SR | 1FFS-16SR |
| 316L stainless steel | Viton | SV | 1FFS-16SV |
| 316Ti stainless steel | Viton | SY | 1FFS-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 | 1FFS-16Z | 96 | 360 |
| Durakote plating | ZD | 1FFS-16ZD | 360 | 720 |
| Zinc-nickel plating | ZN | 1FFS-16ZN | 1000 | - |