



## 1BO

BSP MALE DOUBLE USE FOR 60° CONE SEAT OR BONDED SEAL / SAE  
O-RING BOSS L-SERIES ISO 11926-3

| PART NO.   | THREAD     |            | O-RING | DIMENSIONS |      |      |    |  |  |
|------------|------------|------------|--------|------------|------|------|----|--|--|
|            | E          | F          |        | A          | B    | L    | S1 |  |  |
| 1BO-04Z    | G1/4"X19   | 7/16"X20   | O904   | 12         | 9.1  | 29   | 19 |  |  |
| 1BO-04-05Z | G1/4"X19   | 1/2"X20    | O905   | 12         | 9.1  | 27   | 19 |  |  |
| 1BO-04-06Z | G1/4"X19   | 9/16"X18   | O906   | 12         | 9.9  | 28   | 19 |  |  |
| 1BO-04-08Z | G1/4"X19   | 3/4"X16    | O908   | 12         | 11.1 | 31   | 22 |  |  |
| 1BO-06Z    | G3/8"X19   | 9/16"X18   | O906   | 13.5       | 9.9  | 33.5 | 22 |  |  |
| 1BO-06-04Z | G3/8"X19   | 7/16"X20   | O904   | 13.5       | 9.1  | 33   | 22 |  |  |
| 1BO-06-08Z | G3/8"X19   | 3/4"X16    | O908   | 13.5       | 11.1 | 32.5 | 22 |  |  |
| 1BO-06-10Z | G3/8"X19   | 7/8"X14    | O910   | 13.5       | 12.7 | 36   | 27 |  |  |
| 1BO-08Z    | G1/2"X14   | 3/4"X16    | O908   | 16         | 11.1 | 37   | 27 |  |  |
| 1BO-08-06Z | G1/2"X14   | 9/16"X18   | O906   | 16         | 9.9  | 38   | 27 |  |  |
| 1BO-08-10Z | G1/2"X14   | 7/8"X14    | O910   | 16         | 12.7 | 38.5 | 27 |  |  |
| 1BO-08-12Z | G1/2"X14   | 1.1/16"X12 | O912   | 16         | 15.1 | 42   | 32 |  |  |
| 1BO-10Z    | G5/8"X14   | 7/8"X14    | O910   | 17.5       | 12.7 | 43   | 30 |  |  |
| 1BO-10-08Z | G5/8"X14   | 3/4"X16    | O908   | 17.5       | 11.1 | 41.5 | 30 |  |  |
| 1BO-10-12Z | G5/8"X14   | 1.1/16"X12 | O912   | 17.5       | 15.1 | 43.5 | 32 |  |  |
| 1BO-12Z    | G3/4"X14   | 1.1/16"X12 | O912   | 18.5       | 15.1 | 44.5 | 32 |  |  |
| 1BO-12-08Z | G3/4"X14   | 3/4"X16    | O908   | 18.5       | 11.1 | 40.5 | 32 |  |  |
| 1BO-12-10Z | G3/4"X14   | 7/8"X14    | O910   | 18.5       | 12.7 | 45.5 | 32 |  |  |
| 1BO-12-14Z | G3/4"X14   | 1.3/16"X12 | O914   | 18.5       | 15.1 | 44.5 | 36 |  |  |
| 1BO-12-16Z | G3/4"X14   | 1.5/16"X12 | O916   | 18.5       | 15.1 | 44.5 | 38 |  |  |
| 1BO-16Z    | G1"X11     | 1.5/16"X12 | O916   | 20.5       | 15.1 | 48   | 41 |  |  |
| 1BO-16-10Z | G1"X11     | 7/8"X14    | O910   | 20.5       | 12.7 | 49.5 | 41 |  |  |
| 1BO-16-12Z | G1"X11     | 1.1/16"X12 | O912   | 20.5       | 15.1 | 51.5 | 41 |  |  |
| 1BO-16-14Z | G1"X11     | 1.3/16"X12 | O914   | 20.5       | 15.1 | 51.5 | 41 |  |  |
| 1BO-16-20Z | G1"X11     | 1.5/8"X12  | O920   | 20.5       | 15.1 | 50.5 | 50 |  |  |
| 1BO-20Z    | G1.1/4"X11 | 1.5/8"X12  | O920   | 20.5       | 15.1 | 50.5 | 50 |  |  |
| 1BO-20-16Z | G1.1/4"X11 | 1.5/16"X12 | O916   | 20.5       | 15.1 | 54.5 | 50 |  |  |
| 1BO-24Z    | G1.1/2"X11 | 1.7/8"X12  | O924   | 23         | 15.1 | 53   | 55 |  |  |

### 1. Material options for adaptor body and the O-ring.

| Adaptor body material  | O-ring material | Part. No. suffix | Part No. example |
|------------------------|-----------------|------------------|------------------|
| Carbon steel (Default) | NBR             | Z                | 1BO-08Z          |
| 304 stainless steel    | Viton           | SR               | 1BO-08SR         |
| 316L stainless steel   | Viton           | SV               | 1BO-08SV         |
| 316Ti stainless steel  | Viton           | SY               | 1BO-08SY         |

### 2. Plating options and performance for carbon steel adaptors.

| Plating method         | Part. No. suffix | Part No. example | White rust (Hours) | Red rust(Hours) |
|------------------------|------------------|------------------|--------------------|-----------------|
| Cr3+ plating (Default) | Z                | 1BO-08Z          | 96                 | 360             |
| Durakote plating       | ZD               | 1BO-08ZD         | 360                | 720             |
| Zinc-nickel plating    | ZN               | 1BO-08ZN         | 1000               | -               |