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Ring Boss Fittings  
Pressure  
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# O Ring Boss Fittings Pressure Connections Corp

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## **O Ring Boss Fittings Pressure**

Lubricate o-ring with light coat of system fluid or a compatible lubricant to help the o-ring slide smoothly into the port and avoid

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damage. Back off lock nut as far as possible. Make sure back-up washer isn't loose and is pushed up as far as possible. Screw fitting into port until the back-up washer or the retaining ring contacts face of the port. Light wrenching may be necessary. Over tightening may damage washer.

**SAE BOSS Operate  
PSI | Hose and**

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# Online Library O Ring Boss Fittings Pressure **Fittings Source**

Choose from our  
Connections Corp  
selection of O-ring Boss  
fittings, including  
stainless steel pipe and  
pipe fittings, iron and  
steel pipe and pipe  
fittings, and more. In  
stock and ready to  
ship.

## **O-Ring Boss Fittings | McMaster-Carr**

SAE O-Ring Boss (ORB)  
threaded fittings are  
ideal for leak control in  
medium to high

# Online Library O Ring Boss Fittings Pressure

pressure applications. While SAE ORB fittings and JIC 37° fittings have the same straight threads, JIC fittings create a metal-to-metal fitting, and SAE ORB fittings are sealed on an o-ring. O-ring seals are the best type of seals in regards to leakage. Because the seal takes place at the o-ring and not the threads, SAE ORB fittings are reusable.

Shop Our Selection of

# Online Library O Ring Boss Fittings Pressure Connections Corp

SAE O-Ring Boss  
Fittings Here.

## **Hydraulic Fittings | SAE ORB Fittings | SAE O-Ring Boss ...**

Choosing O-ring boss or FFOR fittings often depends on the location for wrench clearance. However, flange fittings are mostly used with applications calling for  $\geq 7/8$ " OD tubing or extremely high pressures. This blog is



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an excerpt from our  
Aerospace Whitepaper,  
if you would like to  
learn more, click  
below!

## **O-Ring Boss Fittings in the Aerospace Industry**

O-Ring flange fittings;  
SAE straight-thread O-  
ring boss fittings; O-  
ring flange fittings are  
especially suited for  
large sizes and high  
pressures, especially in  
tight quarters. The

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choice of FFOR or O-ring boss types will depend upon individual designer preference based on application, wrench clearance, and fitting location. All of the O-ring type fittings offer superior sealing characteristics, as rated by Parker in the following categories:  
Pressure- Excellent;  
Seal Reliability- Excellent

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Pressure  
**- The Evolution of O-  
ring Boss/Face ...**

This fitting is also known as O-Ring Boss (ORB) Recommended by the NFPA for optimal leakage control in medium and high pressure hydraulic systems. The male fitting has a straight thread and O-ring. The female port has a straight thread, a machined surface (minimum spotface) and a chamfer to

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Ring Boss Fittings  
Pressure

accept the O-ring.

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**SAE Straight Thread  
(ORB)**

Fitting Thread Chart;  
Pressure Ratings; Site  
Help / FAQ; Home >  
Steel Adapters > SAE O-  
Ring Boss (ORB) Steel  
SAE O-Ring Boss  
Fittings ( ORB ) Click  
here to learn more  
about SAE ORB

Fittings. Sort By: Page  
of 1 : 6400 -37° JIC SAE  
Flare Male x SAE O-  
Ring Boss ORB Male

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Ring Boss Fittings  
Pressure  
Adapter Mj x MORB  
Straight ...

**ORB Adapters | O  
Ring Boss Fittings |  
Hydraulics Direct**

O-Ring Boss Male:  
Connection B Gender:  
N/A: Finish: Type II  
Anodized: Color: Black:  
Primary Material:  
6061-T6 aluminum: O-  
Ring Material: FKM  
(Viton) Swivel: None,  
on installation only:  
Maximum Operating  
Pressure: 1000 psi

# Online Library O Ring Boss Fittings

(68.94 bar) Maximum

Temperature Rating:

302°F (150°C)

Minimum Temperature

Rating-30°F (-34°C)

Fluid Compatibility: Air  
and gas Alcohol

Coolants Engine oil

## **RaceFlux O-Ring Boss to AN Male Flare Adapter Fitting**

Use of The O-ring seals  
allow for greater  
sealing ability with high  
reliability of installation  
compared with a

# Online Library O Ring Boss Fittings

Pressure  
Connections Corp  
tapered thread that  
uses sealing  
compounds or Teflon  
tape. Pipe Fittings. Pipe  
Fittings can be used to  
connect fuel lines to  
the port on a fuel pump  
or fuel pressure  
regulator, as well as  
connect fuel pressure  
gauges to gauge ports.

## **Understanding Performance Fittings - Straight and AN ...**

This connection forms

# Online Library O Ring Boss Fittings Pressure

an impressive leak resistance and can be used in applications up to 6000 psi. The male half of the connection has an O-ring with a straight thread. The female half has a machined flat surface with a straight thread. A seal takes place when the O-ring on the male end is squeezed onto the female flat surface seat.

## **Hydraulic Fitting**



Online Library O  
Ring Boss Fittings  
Pressure  
**Thread Chart |**  
**Hydraulics Direct**

O-Ring Boss Fittings  
Female O-Ring Boss  
Coupling 6420 O-Ring  
Boss Fittings Part No. 1  
Female ORB 2 Female  
NPTF C Hex L Length  
Operating Pressure  
6420-06-06 9/16 - 18  
3/8 - 18 7/8 1.30 6,000  
6420-08-06 # 3/4 - 16  
3/8 - 18 1" 1.42 4,000  
6420-08-08 3/4 - 16  
1/2 - 14 1" 1.42 4,000  
6420-10-08 7/8 - 14  
1/2 - 14 1 1/8 1.60

# Online Library O Ring Boss Fittings Pressure 4,000 Reference SAE J514 ... Connections Corp

## **6420 O-Ring Boss Fittings - Pressure Connections**

Stainless Steel O-Ring Boss (ORB) Fittings are great for areas where chemicals or water may pose a threat to the long life of a fitting. High quality 316 Stainless in many threads and sizes.

## **O-Ring Boss (ORB)**

# Online Library O Ring Boss Fittings Pressure **Fittings (Stainless ...**

The AS568-901  
Compressions Corp

through 932 O-ring sizes are used for sealing straight thread tube fittings in a boss. O-ring boss systems are most commonly used in hydraulics, compressed air systems and vacuum pumps. Flange Seals create front-face static sealing in flange connections. Flange seals are used for either internal or

# Online Library O Ring Boss Fittings Pressure external pressure applications.

## **A Look in to How Each O-Ring is Used - Brennan Industries**

Page 125 6409 O-Ring  
Boss Fittings Part No. 1  
Male ORB C Hex Socket  
L Length X Diameter  
Operating Pressure  
6409-02 5/16 - 24 1/8  
0.41 7/16 6,000  
6409-03 3/8 - 24 1/8  
0.41 1/2 6,000

**6409 O-Ring Boss**  
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Pressure  
**Fittings - Pressure  
Connections Corp**

The design of the SAE J2337 fitting reduces the area acted upon by fluid pressure compared to SAE O-ring boss fittings. So for a given size, the J2337 fittings exhibit a higher pressure capacity. This improvement is significant because all forces acting on the fitting due to pressure are reduced an

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average of 100.5%.

## Connections Corp

**Fight leakage with  
new fittings |  
Hydraulics &  
Pneumatics**

O-Ring Boss Fittings; O-  
Ring Boss Fittings.

Items 1 to 12 of 18

total . Sort By Set

Descending Direction.

Show. per page. View

as: Grid List Page: 1; 2;

Next #8 Male O-Ring to

1/4" Female Pipe ...

**O-Ring Boss Fittings**

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## Pressure - **Hose, Fittings & Accessories** Corp

SAE ORB adapter fittings are an excellent choice for medium and high pressure applications. Stainless steel fittings are used for applications requiring maximum corrosion or sanitary protection. SS-6400 -37° JIC SAE Flare Male x SAE O-Ring Boss ORB Male Adapter Stainless MJ x MORB Straight (Stainless)

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## **Stainless ORB Corp Adapters | Stainless Steel ORB | Hydraulics ...**

Material: High pressure carbon steel with zinc trivalent anti-corrosion coating SAE ORB straight thread o-ring boss hydraulic fittings meet SAE J514 specifications and are used for fluids in hydraulic applications. Product Details: SAE J514, Straight O-Ring



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Control Corp

Boss (ORB) Thread.  
This straight thread  
connection uses the  
same threads as the JIC  
37

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