



**Manufacturing Standards**

Our flanges are manufactured in accordance with the following standards:

- SAE Flanges ..... SAE J 518 C, ISO 6162
- Cetop Flanges ..... CETOP RP 63H
- 4 Bolt Square Flanges ..... ISO/DIS 6164

**Pressure Ratings**

For maximum flange pressure ratings, please refer to the tables below and the specific flange catalogue page. Please note that the quoted pressure ratings are for a working temperature range of between -20°C to +90°C. For use outside of this temperature range please consult the *jbj Techniques technical department*.

**Standard Pressure: Series 3000 psi**

Size	Maximum Working Pressure	
	PSI	BAR
1/2"	5000	340
3/4"	5000	340
1"	5000	340
1 1/4"	4000	275
1 1/2"	3000	200
2"	3000	200
2 1/2"	2500	175
3"	2000	135
3 1/2"	510	35
4"	510	35

**High Pressure: Series 6000 psi**

Size	Maximum Working Pressure	
	PSI	BAR
3/8"	6000	420
3/4"	6000	420
1"	6000	420
1 1/4"	6000	420
1 1/2"	6000	420
2"	6000	420
2 1/2"	6000	420
3"	6000	420

**Materials**

For available flange material please refer to relevant page. If several materials are shown, the choice of material used is at the discretion of the manufacturer.

**Corrosion Protection**

Unless otherwise stated on the product range all flanges are delivered in natural condition and coated with a rust inhibitor.

**Flange Kits**

All flange kits are supplied with relevant bolts and seals, as indicated on corresponding page.

**Used Bolts**

- SAE flanges ..... metric bolts: DIN 912-8.8 (ISO 4762-8.8) or DIN 912-10.9 (ISO 4762-10.9)\*  
 ..... UNC bolts: ASA B 18.3
- Gear pump flanges ..... metric bolts: DIN 912-8.8 (ISO 4762-8.8)
- 4-bolt square flanges ..... metric bolts: DIN 931/934-8.8 (ISO4014/4017-8.8) or DIN 931/934-10.9 (ISO 4014/4017-10.9)\*
- Cetop flanges ..... metric bolts: DIN 931/934-8.8 (ISO 4014/4017-8.8 or DIN 931-934-10.9 (ISO 4014/4017-10.9)\*

\* The system pressure is determined by the wall thickness and the quality of the tube used.