



## What are SAE Flanges:

SAE Flanges is a range of hydraulic flange which is made in accordance to SAE J518 / ISO 6162 standards. The acronym SAE stands for Society of Automotive Engineers. These flanges are used on oil hydraulic systems in many fields (shipbuilding, mobile hydraulic equipment, machine tools, earth moving machines, etc... ) and where there is passage of oil under high pressure.

## Assembly of SAE Flanges:

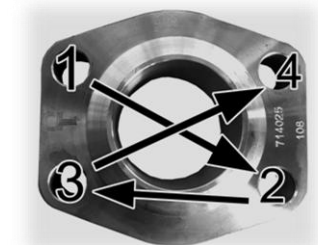
Below are the instructions for assembly of SAE Flanges.

### STEP 1



- Ensure the sealed surface are free from scratches and contamination.
- Lubricate with system fluid or any compatible lubricant on the surface of O-ring portion.

### STEP 3



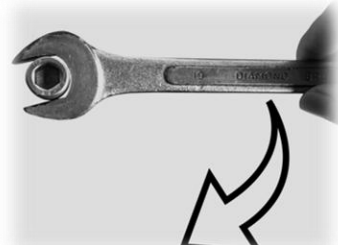
- Tighten the cap screws by hand.
- Torque the cap screws gradually in diagonal sequence till the appropriate torque level based on below torque table.

### STEP 2



- Position the flange.
- Place the washer on cap screws and bolt through the bolt holes.

### STEP 4



- Tighten the cap screws according to the below torque table.

## 3000 PSI Series (Code 61) Flange Recommended Screw Torque Table

Metric Size	Flange Size	Screw Thread	Screw Torque (NM)*
13	1/2"	M8	32
19	3/4"	M10	70
25	1"	M10	70
32	1 1/4"	M10	70
38	1 1/2"	M12	130
51	2"	M12	130
64	2 1/2"	M12	130
76	3"	M16	295
89	3 1/2"	M16	295
102	4"	M16	295
127	5"	M16	295

## 6000 PSI Series (Code 62) Flange Recommend Screw Torque Table

Metric Size	Flange Size	Screw Thread	Screw Torque (NM)*
13	1/2"	M8	32
19	3/4"	M10	60
25	1"	M12	60
32	1 1/4"	M12	92
38	1 1/2"	M16	150
51	2"	M20	150
64	2 1/2"	M24	150
75	3"	M30	295

\* Tolerance: max. 10%, min. 0%

### **Chuan Kok Hardware & Machinery Pte Ltd**

**Address:** 1783 Geylang Bahru #01-02, Kallang Distripark Singapore 339708

**Telephone Number:** +65 6294 2566

**Fax Number:** +65 6295 7013

**Email Address:** [info@chuankok.com](mailto:info@chuankok.com)

**Website:** [www.chuankok.com](http://www.chuankok.com)

**Business Registration Number:** 198201577Z

**Country of Registration:** Singapore

### **Conditions of Use of Catalogue**

The information in the catalogue are not binding and in order to improve distribution, Chuan Kok Hardware & Machinery Pte Ltd reserves the right to make any change including size and pressure ratings considered necessary at any time and without prior notice.

According to the copyright and the civil law, any reproduction (also partial) of figures and texts of this catalogue by means of electronic, mechanical, photocopies, microfilms, recordings or other is forbidden without Chuan Kok Hardware & Machinery Pte Ltd's authorization.

Catalogue Version: 1215