

## Hydraulic 4-Bolt Flanges

## Hydraulic 4-Bolt Flange Pipe Socket Weld

| Port Size | Pad Size | Code 61 Carbon Steel |                     |                 |                     |
|-----------|----------|----------------------|---------------------|-----------------|---------------------|
|           |          | O-ring               |                     | Flat Face       |                     |
|           |          | Previous Part #      | Part #              | Previous Part # | Part #              |
| 1/2"      | 1/2"     | W4-8-8-U             | <b>C614K0808PSW</b> | W61-8-8         | <b>C61610808PSW</b> |
| 3/4"      | 3/4"     | W4-12-12-U           | <b>C614K1212PSW</b> | W61-12-12       | <b>C61611212PSW</b> |
| 1"        | 1"       | W4-16-16-U           | <b>C614K1616PSW</b> | W61-16-16       | <b>C61611616PSW</b> |
| 1 1/4"    | 1 1/4"   | W4-20-20-U           | <b>C614K2020PSW</b> | W61-20-20       | <b>C61612020PSW</b> |
| 1 1/2"    | 1 1/2"   | W4-24-24-U           | <b>C614K2424PSW</b> | W61-24-24       | <b>C61612424PSW</b> |
| 2"        | 2"       | W4-32-32-U           | <b>C614K3232PSW</b> | W61-32-32       | <b>C61613232PSW</b> |
| 2 1/2"    | 2 1/2"   | W4-40-40-U           | <b>C614K4040PSW</b> | W61-40-40       | <b>C61614040PSW</b> |
| 3"        | 3"       | W4-48-48-U           | <b>C614K4848PSW</b> | W61-48-48       | <b>C61614848PSW</b> |

  

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|-----------|----------|----------------------|----------------------|-----------------|---------------------|
|           |          | O-ring               |                      | Flat Face       |                     |
|           |          | Previous Part #      | Part #               | Previous Part # | Part #              |
| 1/2"      | 1/2"     | W59-8-8-U            | <b>C6259K0808PSW</b> | W60-8-8         | <b>C62600808PSW</b> |
| 3/4"      | 3/4"     | W59-12-12-U          | <b>C6259K1212PSW</b> | W60-12-12       | <b>C62601212PSW</b> |
| 1"        | 1"       | W59-16-16-U          | <b>C6259K1616PSW</b> | W60-16-16       | <b>C62601616PSW</b> |
| 1 1/4"    | 1 1/4"   | W59-20-20-U          | <b>C6259K2020PSW</b> | W60-20-20       | <b>C62602020PSW</b> |
| 1 1/2"    | 1 1/2"   | W59-24-24-U          | <b>C6259K2424PSW</b> | W60-24-24       | <b>C62602424PSW</b> |
| 2"        | 2"       | W59-32-32-U          | <b>C6259K3232PSW</b> | W60-32-32       | <b>C62603232PSW</b> |
| 2 1/2"    | 2 1/2"   | W59-40-40-U          | <b>C6259K4040PSW</b> | W60-40-40       | <b>C62604040PSW</b> |
| 3"        | 3"       | W59-48-48-U          | <b>C6259K4848PSW</b> | W60-48-48       | <b>C62604848PSW</b> |



Hydraulic Fittings

## Pressure Ratings of SAE Flanges

## Code 61 SAE J518-1 / ISO 6162-1

| Dash Size | Size   | Maximum Working Pressure |      | Fastener Torque Value |
|-----------|--------|--------------------------|------|-----------------------|
|           |        | PSI                      | MPa  | Grade 8 UNC (lb-ft)   |
| -8        | 1/2"   | 5000                     | 35   | 24                    |
| -12       | 3/4"   | 5000                     | 35   | 44                    |
| -16       | 1"     | 4600                     | 32   | 44                    |
| -20       | 1 1/4" | 4000                     | 28   | 68                    |
| -24       | 1 1/2" | 3000                     | 21   | 111                   |
| -32       | 2"     | 3000                     | 21   | 111                   |
| -40       | 2 1/2" | 2500                     | 17.5 | 111                   |
| -48       | 3"     | 2300                     | 16   | 218                   |
| -56       | 3 1/2" | 500                      | 3.5  | 218                   |
| -64       | 4"     | 500                      | 3.5  | 218                   |
| -80       | 5"     | 500                      | 3.5  | 218                   |

- Connection type opposite 4-bolt flange connection can de-rate maximum working pressure.

## Code 62 SAE J518-2 / ISO 6162-2

| Dash Size | Size   | Maximum Working Pressure |     | Fastener Torque Value |
|-----------|--------|--------------------------|-----|-----------------------|
|           |        | PSI                      | MPa | Grade 8 UNC (lb-ft)   |
| -8        | 1/2"   | 6000                     | 40  | 24                    |
| -12       | 3/4"   | 6000                     | 40  | 44                    |
| -16       | 1"     | 6000                     | 40  | 68                    |
| -20       | 1 1/4" | 6000                     | 40  | 111                   |
| -24       | 1 1/2" | 6000                     | 40  | 218                   |
| -32       | 2"     | 6000                     | 40  | 332                   |
| -40       | 2 1/2" | 6000                     | 40  | 380                   |
| -48       | 3"     | 6000                     | 40  | 667                   |

- For flange dimensions, diagrams and additional information please reference [dixonvalve.com](http://dixonvalve.com).