

Hydraulic Flange Adapters

Features:

- O-ring seal eliminates leakage
- available in Code 61 or Code 62
- pressure ratings are given at 70°F
- makes installation of components easier, especially in applications with limited space

Pressure Ratings of SAE Flanges

Code 61 SAE J518-1 / ISO 6162-1

Dash Size	Size	Max. Working Pressure		Fastener Torque Value	
		PSI	MPa	Grade 8 UNC (lb-ft)	Grade 10.9 Metric (N-m)
-8	½"	5000	35	24	32
-12	¾"	5000	35	44	70
-16	1"	4600	32	44	70
-20	1¼"	4000	28	68	70
-24	1½"	3000	21	111	130
-32	2"	3000	21	111	130
-40	2½"	2500	17.5	111	130
-48	3"	2300	16	218	295
-56	3½"	500	3.5	218	295
-64	4"	500	3.5	218	295
-80	5"	500	3.5	218	295

Code 62 SAE J518-2 / ISO 6162-2

Dash Size	Size	Max. Working Pressure		Fastener Torque Value	
		PSI	MPa	Grade 8 UNC (lb-ft)	Grade 10.9 Metric (N-m)
-8	½"	6000	40	24	32
-12	¾"	6000	40	44	70
-16	1"	6000	40	68	130
-20	1¼"	6000	40	111	130
-24	1½"	6000	40	218	295
-32	2"	6000	40	332	550

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

Hydraulic 4-Bolt Flanges

Features:

- code 61 - standard pressure
- code 62 - high pressure
- bolt kit with Buna O-ring included
- also available in 316L stainless, contact Dixon for more information

NPTF port

Port Size	Pad Size	NPTF Thread	Code 61 Carbon Steel				Code 62 Carbon Steel			
			O-ring Part #	Price/E	Flat Face Part #	Price/E	O-ring Part #	Price/E	Flat Face Part #	Price/E
½"	½"	½"-14	W43-8-8-U	\$47.90	W104-8-8	\$60.00	W44-8-8-U	\$74.30	W45-8-8	\$63.50
¾"	¾"	¾"-14	W43-12-12-U	39.00	W104-12-12	37.00	W44-12-12-U	79.75	W45-12-12	67.25
1"	1"	1"-11½	W43-16-16-U	43.50	W104-16-16	39.80	W44-16-16-U	92.40	W45-16-16	74.50
1¼"	1¼"	1¼"-11½	W43-20-20-U	49.00	W104-20-20	41.50	W44-20-20-U	116.50	W45-20-20	96.00
1½"	1½"	1½"-11½	W43-24-24-U	59.25	W104-24-24	46.75	W44-24-24-U	160.00	W45-24-24	128.25
2"	2"	2"-11½	W43-32-32-U	77.50	W104-32-32	64.50	W44-32-32-U	253.00	W45-32-32	194.00
2½"	2½"	2½"-8	W43-40-40-U	107.50	W104-40-40	102.25	---	---	---	---
3"	3"	3"-8	W43-48-48-U	159.00	W104-48-48	140.75	---	---	---	---



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SAE port

Port Size	Pad Size	UN / UNF-2B Thread	Code 61 Carbon Steel				Code 62 Carbon Steel			
			O-ring Part #	Price/E	Flat Face Part #	Price/E	O-ring Part #	Price/E	Flat Face Part #	Price/E
½"	½"	¾"-16	W46-8-8-U	\$65.40	W106-8-8	\$60.00	W48-8-8-U	\$74.30	W49-8-8	\$63.50
¾"	¾"	1-1/16"-12	W46-12-12-U	40.75	W106-12-12	37.00	W48-12-12-U	79.75	W49-12-12	67.25
1"	1"	1-5/16"-12	W46-16-16-U	41.70	W106-16-16	39.80	W48-16-16-U	92.40	W49-16-16	74.50
1¼"	1¼"	1-5/8"-12	W46-20-20-U	51.90	W106-20-20	41.50	W48-20-20-U	116.50	W49-20-20	96.00
1½"	1½"	1-7/8"-12	W46-24-24-U	63.50	W106-24-24	57.00	W48-24-24-U	160.00	W49-24-24	128.25
2"	2"	2-1/2"-12	W46-32-32-U ¹	202.75	W106-32-32 ¹	195.00	W48-32-32-U	253.00	W49-32-32	194.00

¹ 500 PSI maximum for W46-32-32 and W106-32-32



pipe socket weld

Port Size	Pad Size	Code 61 Carbon Steel				Code 62 Carbon Steel			
		O-ring Part #	Price/E	Flat Face Part #	Price/E	O-ring Part #	Price/E	Flat Face Part #	Price/E
½"	½"	W4-8-8-U	\$47.75	W61-8-8	\$36.25	W59-8-8-U	\$56.10	W60-8-8	\$48.00
¾"	¾"	W4-12-12-U	44.25	W61-12-12	33.50	W59-12-12-U	62.25	W60-12-12	53.25
1"	1"	W4-16-16-U	46.00	W61-16-16	35.50	W59-16-16-U	79.25	W60-16-16	65.40
1¼"	1¼"	W4-20-20-U	54.50	W61-20-20	40.00	W59-20-20-U	97.75	W60-20-20	81.75
1½"	1½"	W4-24-24-U	69.00	W61-24-24	55.00	W59-24-24-U	130.00	W60-24-24	105.50
2"	2"	W4-32-32-U	102.50	W61-32-32	84.00	W59-32-32-U	196.75	W60-32-32	145.00
2½"	2½"	W4-40-40-U	141.25	W61-40-40	119.00	W59-40-40-U	461.00	W60-40-40	370.00
3"	3"	W4-48-48-U	165.00	W61-48-48	129.75	W59-48-48-U	768.70	W60-48-48	607.75

