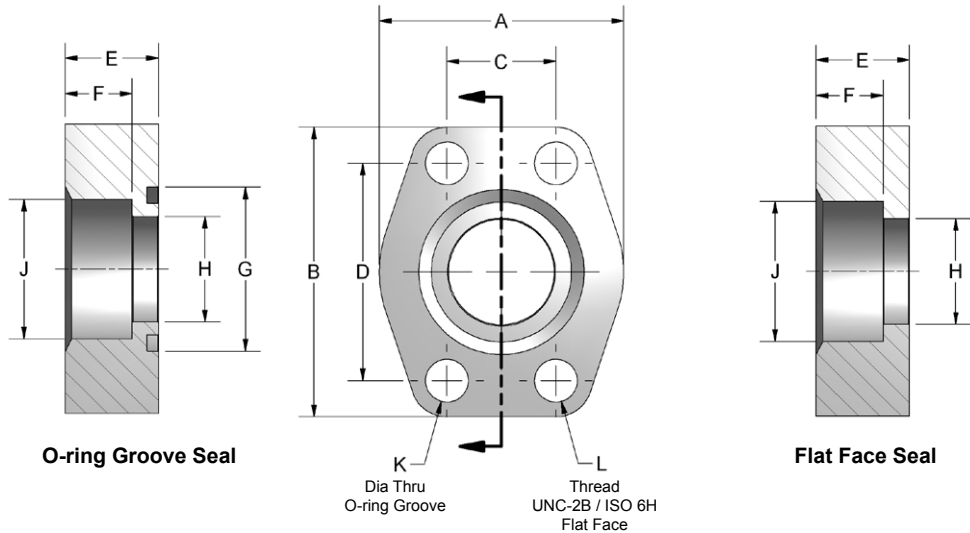
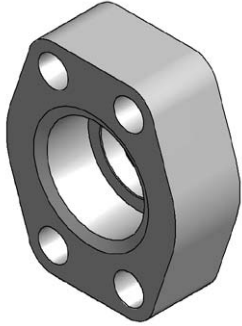


Flat Socket Weld Pipe

Carbon Steel



Ordering Information

FG	Flange Size	Material	Product Type	Seal	Rating Code	Pipe Size	Port Type	Mounting																																																																																																
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Flat Socket Weld Pipe

Carbon Steel

CODE 61 FLAT SOCKET WELD - PIPE																	
FLANGE SIZE	PIPE SIZE	A	B	C	D	E	F	G	H	J	K DIA THRU		L THREAD		MOUNTING HARDWARE SHCS		
											Mounting U or X	Mounting M or Y	UNC-2B U or X	ISO 6H M or Y	O-RING	Mounting U	Mounting M
0.50	0.50	1.813	2.125	.688	1.500	.750	.560	1.000	.502	.855	.344	8.5mm	0.313-18	M8-1.25	210	0.313-18x1.50	M8-1.25x40
0.75	0.75	2.063	2.563	.875	1.875	.750	.560	1.250	.752	1.062	.406	10.5mm	0.375-16	M10-1.5	214	0.375-16x1.50	M10-1.5x40
1.00	1.00	2.313	2.750	1.031	2.063	.880	.630	1.560	1.002	1.328	.406	10.5mm	0.375-16	M10-1.5	219	0.375-16x1.75	M10-1.5x45
1.25	1.25	2.875	3.125	1.188	2.313	.940	.690	1.750	1.252	1.672	.469	10.5mm	0.438-14	M10-1.5	222	0.438-14x1.75	M10-1.5x45
1.50	1.50	3.250	3.688	1.406	2.75	1.190	.750	2.115	1.502	1.922	.531	12.5mm	0.500-13	M12-1.75	225	0.500-13x2.25	M12-1.75x55
2.00	2.00	3.813	4.000	1.688	3.063	1.380	.875	2.490	2.002	2.406	.531	12.5mm	0.500-13	M12-1.75	228	0.500-13x2.50	M12-1.75x65
2.50	2.50	4.281	4.500	2.000	3.500	1.750	1.00	2.995	2.502	2.906	.531	12.5mm	0.500-13	M12-1.75	232	0.500-13x2.75	M12-1.75x70
3.00	3.00	5.156	5.313	2.438	4.188	2.120	1.250	3.615	3.002	3.547	.656	16.5mm	0.625-11	M16-2.0	237	0.625-11x3.50	M16-2.0x90
3.00*	3.00	5.12	5.313	2.438	4.188	1.380	1.120	3.615	3.002	3.547	.656	16.5mm	0.625-11	M16-2.0	237	0.625-11x2.50	M16-2.0x65
3.50	3.50	5.500	6.000	2.750	4.750	1.440	1.190	4.095	3.502	4.047	.656	16.5mm	0.625-11	M16-2.0	241	0.625-11x2.75	M16-2.0x70
4.00	4.00	6.000	6.375	3.062	5.125	1.500	1.250	4.595	4.002	4.578	.656	16.5mm	0.625-11	M16-2.0	245	0.625-11x2.75	M16-2.0x70
5.00	5.00	7.12	7.250	3.625	6.000	1.750	1.380	5.595	5.002	5.641	.656	16.5mm	0.625-11	M16-2.0	253	0.625-11x3.00	M16-2.0x75

*Use Rating Code 5 to order this flange.

CODE 62 FLAT SOCKET WELD - PIPE																	
FLANGE SIZE	PIPE SIZE	A	B	C	D	E	F	G	H	J	K DIA THRU		L THREAD		MOUNTING HARDWARE SHCS		
											Mounting U or X	Mounting M or Y	UNC-2B U or X	ISO 6H M or Y	O-RING	Mounting U	Mounting M
0.50	0.50	1.94	2.30	.718	1.594	1.25	.560	1.000	.502	.855	.344	8.5mm	0.313-18	M8-1.25	210	0.313-18x2.00	M8-1.25x40
0.75	0.75	2.50	2.95	.937	2.000	1.250	.560	1.250	.752	1.062	.406	10.5mm	0.375-16	M10-1.5	214	0.375-16x2.00	M10-1.5x40
1.00	1.00	2.75	3.19	1.093	2.250	1.500	.630	1.560	1.002	1.328	.492	12.5mm	0.438-14	M12-1.75	219	0.438-14x2.50	M12-1.75x45
1.25	1.25	3.06	3.75	1.250	2.625	1.500	.690	1.750	1.252	1.672	.531	12.5mm	0.500-13	M12-1.75	222	0.500-13x2.50	M12-1.75x45
1.50	1.50	3.75	4.44	1.437	3.125	1.750	.750	2.115	1.502	1.922	.656	16.5mm	0.625-11	M16-2.0	225	0.625-11x3.00	M16-2.0x55
2.00	2.00	4.50	5.25	1.750	3.812	1.750	.875	2.490	2.002	2.406	.781	21.0mm	0.750-10	M20-2.5	228	0.750-10x3.00	M20-2.5x65
2.50*	2.50	5.87	6.87	2.312	4.875	2.060	1.000	2.995	2.502	2.906	.906	25.0mm	0.875-9	M24-3.0	232	0.875-9x3.50**	M24-3.0x70**
3.00*	3.00	7.00	8.50	2.812	6.000	2.620	1.250	3.615	3.002	3.547	1.190	31.0mm	1.125-7	M30-3.5	237	1.125-7x4.50**	M30-3.5x90**

*3000 PSI max. working pressure for 2.50" and 3.00" flange.

**HHCS

Pressure Ratings and Fastener Torque Values

CODE 61 SAE J518-1 / ISO 6162-1						
Dash Size	Inch Size	Max Working Pressure		Fastener Torque Value		Grade 10.9 Metric (N-m)
		PSI	MPa	Grade 8 UNC (lb-ft)	Grade 10.9	
-8	0.50"	5000	35.0	24	32	
-12	0.75"	5000	35.0	44	70	
-16	1.00"	4600	32.0	44	70	
-20	1.25"	4000	28.0	68	70	
-24	1.50"	3000	21.0	111	130	
-32	2.00"	3000	21.0	111	130	
-40	2.50"	2500	17.5	111	130	
-48	3.00"	2300	16.0	218	295	
-56	3.50"	500	3.5	218	295	
-64	4.00"	500	3.5	218	295	
-80	5.00"	500	3.5	218	295	

CODE 62 SAE J518-2 / ISO 6162-2						
Dash Size	Inch Size	Max Working Pressure		Fastener Torque Value		Grade 10.9 Metric (N-m)
		PSI	MPa	Grade 8 UNC (lb-ft)	Grade 10.9	
-8	0.50"	6000	40.0	24	32	
-12	0.75"	6000	40.0	44	70	
-16	1.00"	6000	40.0	68	130	
-20	1.25"	6000	40.0	111	130	
-24	1.50"	6000	40.0	218	295	
-32	2.00"	6000	40.0	332	550	

Please note that all pressure ratings in this catalog refer to the flange connection. Adapting the flange to other connections, such as braze tube, welded pipe, or threaded ports / stud ends could reduce maximum working pressure.