



FLOW, NEEDLE & CHECK VALVES

HYDRAULIC BALL VALVES

WELD COUPLINGS

FLANGES

CODE 61 FLAT SOCKET WELD - PIPE																
PART NO. O-RING FIG. 1	PART NO. FLAT FACE FIG. 2	PIPE SIZE	PAD SIZE	A	B	C	D	E	F	G	H	J	K	L UNC-2B	MOUNTING HARDWARE	
															O-RING	SHCS
W4-8-8-SS	W61-8-8-SS	.50	.50	1.50	2.12	.688	1.500	.69	.38	1.000	.502	.860	.344	5/16-18	210	5/16-18X1.25
W4-12-12-SS	W61-12-12-SS	.75	.75	1.75	2.62	.875	1.875	.94	.50	1.250	.752	1.070	.406	3/8-16	214	3/8-16X1.75
W4-16-16-SS	W61-16-16-SS	1.00	1.00	2.00	2.82	1.031	2.062	.94	.50	1.560	1.002	1.335	.406	3/8-16	219	3/8-16X1.75
W4-20-20-SS	W61-20-20-SS	1.25	1.25	2.50	3.19	1.188	2.312	.94	.50	1.750	1.252	1.680	.469	7/16-14	222	7/16-14X1.75
W4-24-24-SS	W61-24-24-SS	1.50	1.50	2.75	3.75	1.406	2.750	1.19	.50	2.115	1.502	1.920	.531	1/2-13	225	1/2-13X2.25
W4-32-32-SS	W61-32-32-SS	2.00	2.00	3.25	4.00	1.688	3.062	1.44	.62	2.490	2.002	2.411	.531	1/2-13	228	1/2-13X2.50
W4-40-40-SS	W61-40-40-SS	2.50	2.50	4.00	4.50	2.000	3.500	1.69	.75	2.995	2.502	2.911	.531	1/2-13	232	1/2-13X2.75
W4-48-48-SS	W61-48-48-SS	3.00	3.00	4.50	5.31	2.438	4.188	2.12	1.24	3.615	3.002	3.540	.656	5/8-11	237	5/8-11X3.50

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PART NO. O-RING FIG. 1	PART NO. FLAT FACE FIG. 2	PIPE SIZE	PAD SIZE	A	B	C	D	E	F	G	H	J	K	L UNC-2B	MOUNTING HARDWARE	
															O-RING	SHCS
W59-8-8-SS	W60-8-8-SS	.50	.50	1.75	2.22	.718	1.594	.940	.50	1.000	.502	.860	.344	5/16-18	210	5/16-18X1.50
W59-12-12-SS	W60-12-12-SS	.75	.75	2.00	2.81	.937	2.000	.940	.50	1.250	.752	1.070	.406	3/8-16	214	3/8-16X1.75
W59-16-16-SS	W60-16-16-SS	1.00	1.00	2.25	3.19	1.093	2.250	.940	.50	1.560	1.002	1.335	.492	7/16-14	219	7/16-14X1.75
W59-20-20-SS	W60-20-20-SS	1.25	1.25	2.75	3.75	1.250	2.625	1.19	.50	1.750	1.252	1.672	.531	1/2-13	222	1/2-13X2.25
W59-24-24-SS	W60-24-24-SS	1.50	1.50	3.25	4.50	1.437	3.125	1.44	.50	2.115	1.502	1.920	.656	5/8-11	225	5/8-11X2.75
W59-32-32-SS	W60-32-32-SS	2.00	2.00	4.00	5.25	1.750	3.812	1.69	.62	2.490	2.002	2.411	.781	3/4-10	228	3/4-10X3.00
W59-40-40-SS	W60-40-40-SS	2.50	2.50	5.00	6.88	2.312	4.875	1.94	.62	2.995	2.502	2.911	.906	7/8-9	232	7/8-9X3.50
W59-48-48-SS	W60-48-48-SS	3.00	3.00	6.00	8.50	2.812	6.000	2.44	.62	3.615	3.002	3.540	1.190	1-1/8-7	237	1-1/8-7X4.50

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															O-RING	SHCS
*W72-48-48-SS	*W91-48-48-SS	3.00	3.00	4.50	5.31	2.438	4.188	1.38	1.13	3.615	3.002	3.540	.656	5/8-11	237	5/8-11X2.50
W72-56-56-SS	W91-56-56-SS	3.50	3.50	5.00	6.00	2.750	4.750	1.44	1.19	4.095	3.502	4.054	.656	5/8-11	241	5/8-11X2.50
W72-64-64-SS	W91-64-64-SS	4.00	4.00	5.50	6.38	3.062	5.125	1.450	1.20	4.595	4.002	4.550	.656	5/8-11	245	5/8-11X2.50

\*NOTE: 500 PSI max for W72-48-48-SS & W91-48-48-SS