



SAE J518 SPLIT FLANGE

CODE 61 SPLIT FLANGE

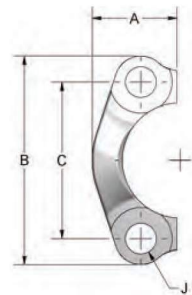
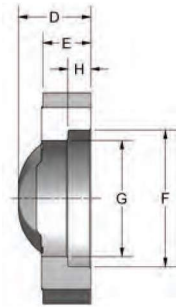
*PART NO.	**KIT PART NO.	FLANGE SIZE	A	B	C	D	E	F	G	H	J	MOUNTING HARDWARE	
												O-RING	HHCS
SF61-8	SFK61-8	.50	.86	2.12	1.500	.75	.50	1.219	.955	.245	.344	210	5/16-18X1.25
SF61-12	SFK61-12	.75	.98	2.56	1.875	.88	.56	1.531	1.265	.245	.406	214	3/8-16X1.25
SF61-16	SFK61-16	1.00	1.11	2.75	2.062	.94	.62	1.781	1.515	.295	.406	219	3/8-16X1.25
SF61-20	SFK61-20	1.25	1.39	3.12	2.312	.88	.56	2.031	1.720	.295	.469	222	7/16-14X1.50
SF61-24	SFK61-24	1.50	1.58	3.69	2.750	1.00	.62	2.406	2.000	.295	.531	225	1/2-13X1.50
SF61-32	SFK61-32	2.00	1.86	4.00	3.062	1.03	.62	2.844	2.470	.355	.531	228	1/2-13X1.50
SF61-40	SFK61-40	2.50	2.09	4.50	3.500	1.50	.75	3.344	2.950	.355	.531	232	1/2-13X1.75
SF61-48	SFK61-48	3.00	2.53	5.31	4.188	1.62	.88	4.031	3.580	.355	.656	237	5/8-11X1.75
SF61-56	SFK61-56	3.50	2.70	6.00	4.750	1.12	.88	4.531	4.030	.422	.656	241	5/8-11X2.00
SF61-64	SFK61-64	4.00	2.95	6.38	5.125	1.38	1.00	5.031	4.530	.422	.656	245	5/8-11X2.00

CODE 62 SPLIT FLANGE

*PART NO.	**KIT PART NO.	FLANGE SIZE	A	B	C	D	E	F	G	H	J	MOUNTING HARDWARE	
												O-RING	HHCS
SF62-8	SFK62-8	.50	.89	2.22	1.594	.88	.62	1.281	.970	.285	.344	210	5/16-18X1.25
SF62-12	SFK62-12	.75	1.14	2.81	2.000	1.12	.75	1.656	1.280	.325	.406	214	3/8-16X1.50
SF62-16	SFK62-16	1.00	1.33	3.19	2.250	1.31	.94	1.906	1.530	.355	.469	219	7/16-14X1.75
SF62-20	SFK62-20	1.25	1.48	3.75	2.625	1.50	1.06	2.156	1.750	.385	.531	222	1/2-13X1.75
SF62-24	SFK62-24	1.50	1.83	4.44	3.125	1.69	1.19	2.531	2.030	.475	.656	225	5/8-11X2.25
SF62-32	SFK62-32	2.00	2.20	5.25	3.812	2.06	1.44	3.156	2.660	.475	.781	228	3/4-10X2.75

* Part # includes: (1) split flange half only.

** Kit part # includes: (2) split flange halves, (4) hex head screws with lockwashers, (1) Buna N O-Ring.



SAE J518 CAPTIVE FLANGE

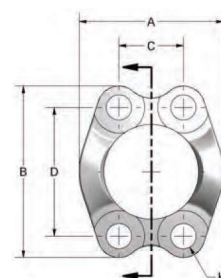
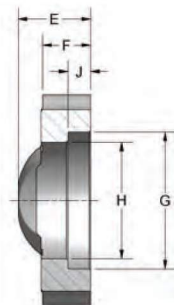
CODE 61 CAPTIVE FLANGE

DRILLED PART NO.	TAPPED	FLANGE SIZE	A	B	C	D	E	F	G	H	J	K	K UNC-2B
8SFW	8SFTW	.50	1.81	2.12	.688	1.500	.75	.50	1.219	.955	.245	.344	5/16-18
12SFW	12SFTW	.75	2.06	2.56	.875	1.875	.88	.56	1.531	1.265	.245	.406	3/8-16
16SFW	16SFTW	1.00	2.31	2.75	1.031	2.062	.94	.62	1.781	1.515	.295	.406	3/8-16
20SFW	20SFTW	1.25	2.88	3.12	1.188	2.312	.88	.56	2.031	1.720	.295	.469	7/16-14
24SFW	24SFTW	1.50	3.25	3.69	1.406	2.750	1.00	.62	2.406	2.000	.295	.531	1/2-13
32SFW	32SFTW	2.00	3.81	4.00	1.688	3.062	1.03	.62	2.844	2.470	.355	.531	1/2-13
40SFW	40SFTW	2.50	4.28	4.50	2.000	3.500	1.50	.75	3.344	2.950	.355	.531	1/2-13
48SFW	48SFTW	3.00	5.16	5.31	2.438	4.188	1.62	.88	4.031	3.580	.355	.656	5/8-11
56SFW	56SFTW	3.50	5.50	6.00	2.750	4.750	1.12	.88	4.531	4.030	.422	.656	5/8-11
64SFW	64SFTW	4.00	6.00	6.38	3.062	5.125	1.38	1.00	5.031	4.530	.422	.656	5/8-11

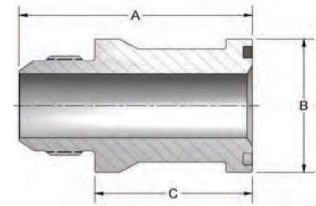
CODE 62 CAPTIVE FLANGE

DRILLED PART NO.	TAPPED	FLANGE SIZE	A	B	C	D	E	F	G	H	J	K	K UNC-2B
8SFXW	8SFXTW	.50	1.86	2.22	.718	1.594	.88	.62	1.281	.970	.285	.344	5/16-18
12SFXW	12SFXTW	.75	2.38	2.81	.937	2.000	1.12	.75	1.656	1.280	.325	.406	3/8-16
16SFXW	16SFXTW	1.00	2.75	3.19	1.093	2.250	1.31	.94	1.906	1.530	.355	.469	7/16-14
20SFXW	20SFXTW	1.25	3.06	3.75	1.250	2.625	1.50	1.06	2.156	1.750	.385	.531	1/2-13
24SFXW	24SFXTW	1.50	3.75	4.44	1.437	3.125	1.69	1.19	2.531	2.030	.475	.656	5/8-11
32SFXW	32SFXTW	2.00	4.50	5.25	1.750	3.812	2.06	1.44	3.156	2.660	.475	.781	3/4-10

Captive Flanges have natural finish



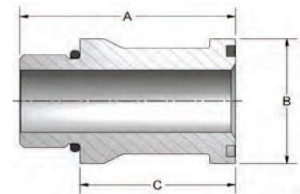
JIC THREAD



CODE 61 JIC THREAD						
PART NO.	TUBE O.D.	FLANGE SIZE	A	B	C	THREAD
300-8-8	1/2	1/2	2.60	1.188	1.94	3/4-16
300-8-12	1/2	3/4	2.75	1.500	2.09	3/4-16
300-12-12	3/4	3/4	2.75	1.500	1.89	1 1/16-12
300-16-12	1	3/4	2.75	1.500	1.84	1 5/16-12
300-12-16	3/4	1	2.80	1.750	1.94	1 1/16-12
300-16-16	1	1	2.80	1.750	1.89	1 5/16-12
300-20-16	1 1/4	1	2.80	1.750	1.84	1 5/8-12
300-12-20	3/4	1 1/4	2.80	2.000	1.94	1 1/16-12
300-16-20	1	1 1/4	2.80	2.000	1.89	1 5/16-12
300-20-20	1 1/4	1 1/4	2.80	2.000	1.84	1 5/8-12
300-24-20	1 1/2	1 1/4	3.40	2.000	2.32	1 7/8-12
300-16-24	1	1 1/2	3.33	2.380	2.42	1 5/16-12
300-20-24	1 1/4	1 1/2	3.38	2.375	2.42	1 5/8-12
300-24-24	1 1/2	1 1/2	3.50	2.375	2.42	1 7/8-12
300-32-24	2	1 1/2	4.20	2.375	2.87	2 1/2-12
300-20-32	1 1/4	2	3.60	2.810	2.64	1 5/8-12
300-24-32	1 1/2	2	3.73	2.812	2.64	1 7/8-12
300-32-32	2	2	3.98	2.812	2.64	2 1/2-12
300-32-40	2	2 1/2	3.98	3.312	2.64	2 1/2-12

CODE 62 JIC THREAD						
PART NO.	TUBE O.D.	FLANGE SIZE	A	B	C	THREAD
600-8-8	1/2	1/2	2.61	1.250	1.95	3/4-16
600-12-12	3/4	3/4	2.75	1.625	1.89	1 1/16-12
600-16-12	1	3/4	2.75	1.625	1.84	1 5/16-12
600-20-12	1 1/4	3/4	3.05	1.625	2.09	1 5/8-12
600-12-16	3/4	1	2.80	1.875	1.94	1 1/16-12
600-16-16	1	1	2.80	1.875	1.89	1 5/16-12
600-20-16	1 1/4	1	2.80	1.875	1.84	1 5/8-12
600-16-20	1	1 1/4	3.05	2.125	2.14	1 5/16-12
600-20-20	1 1/4	1 1/4	3.05	2.125	2.09	1 5/8-12
600-24-20	1 1/2	1 1/4	3.30	2.125	2.22	1 7/8-12
600-16-24	1	1 1/2	3.33	2.500	2.42	1 5/16-12
600-20-24	1 1/4	1 1/2	3.50	2.500	2.54	1 5/8-12
600-24-24	1 1/2	1 1/2	3.50	2.500	2.42	1 7/8-12
600-32-24	2	1 1/2	4.49	2.500	3.61	2 1/2-12
600-24-32	1 1/2	2	3.98	3.125	2.89	1 7/8-12
600-32-32	2	2	4.23	3.125	2.89	2 1/2-12

SAE STRAIGHT THREAD

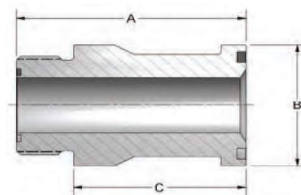


CODE 61 SAE STRAIGHT THREAD						
PART NO.	TUBE O.D.	FLANGE SIZE	A	B	C	THREAD
302-8-8	1/2	1/2	2.49	1.188	1.94	3/4-16
302-12-12	3/4	3/4	2.61	1.500	1.89	1 1/16-12
302-16-12	1	3/4	2.88	1.500	2.16	1 5/16-12
302-12-16	3/4	1	2.74	1.750	2.02	1 1/16-12
302-16-16	1	1	2.61	1.750	1.89	1 5/16-12
302-20-16	1 1/4	1	3.13	1.750	2.41	1 5/8-12
302-16-20	1	1 1/4	2.74	2.000	2.02	1 5/16-12
302-20-20	1 1/4	1 1/4	3.13	2.000	2.41	1 5/8-12
302-24-20	1 1/2	1 1/4	3.43	2.000	2.71	1 7/8-12
302-16-24	1	1 1/2	3.30	2.380	2.58	1 5/16-12
302-20-24	1 1/4	1 1/2	3.30	2.375	2.58	1 5/8-12
302-24-24	1 1/2	1 1/2	3.14	2.375	2.42	1 7/8-12
302-24-32	1 1/2	2	3.79	2.812	3.07	1 7/8-12
302-32-32	2	2	3.63	2.812	2.91	2 1/2-12
302-40-40	2 1/2	2 1/2	4.23	3.310	3.08	3-12
302-48-48	3	3	4.50	4.000	3.36	3 1/2-12
302-64-64	4	4	4.14	5.000	2.89	4 1/2-12

CODE 62 SAE STRAIGHT THREAD						
PART NO.	TUBE O.D.	FLANGE SIZE	A	B	C	THREAD
602-8-8	1/2	1/2	2.50	1.250	1.95	3/4-16
602-12-12	3/4	3/4	2.62	1.625	1.89	1 1/16-12
602-16-12	1	3/4	2.88	1.625	2.15	1 5/16-12
602-12-16	3/4	1	2.75	1.875	2.02	1 1/16-12
602-16-16	1	1	2.62	1.875	1.89	1 5/16-12
602-20-16	1 1/4	1	3.44	1.875	2.71	1 5/8-12
602-16-20	1	1 1/4	3.12	2.125	2.39	1 5/16-12
602-20-20	1 1/4	1 1/4	3.00	2.125	2.27	1 5/8-12
602-24-20	1 1/2	1 1/4	3.44	2.125	2.71	1 7/8-12
602-20-24	1 1/4	1 1/2	3.31	2.500	2.58	1 5/8-12
602-24-24	1 1/2	1 1/2	3.19	2.500	2.46	1 7/8-12
602-24-32	1 1/2	2	3.90	3.125	3.17	1 7/8-12
602-32-32	2	2	3.75	3.125	3.02	2 1/2-12



ORFS THREAD



CODE 61 ORFS THREAD

PART NO.	TUBE O.D.	FLANGE SIZE	A	B	C	THREAD
304-12-12	3/4	3/4	2.75	1.500	2.08	1 3/16-12
304-16-12	1	3/4	2.75	1.500	2.06	1 7/16-12
304-12-16	3/4	1	2.80	1.750	2.13	1 3/16-12
304-16-16	1	1	2.80	1.750	2.11	1 7/16-12
304-20-16	1 1/4	1	2.80	1.750	2.11	1 11/16-12
304-16-20	1	1 1/4	2.80	2.000	2.11	1 7/16-12
304-20-20	1 1/4	1 1/4	2.80	2.000	2.11	1 11/16-12
304-24-20	1 1/2	1 1/4	3.20	2.000	2.51	2-12
304-20-24	1 1/4	1 1/2	3.50	2.375	2.81	1 11/16-12
304-24-24	1 1/2	1 1/2	3.50	2.375	2.81	2-12
304-24-32	1 1/2	2	3.33	2.812	2.64	2-12

CODE 62 ORFS THREAD

PART NO.	TUBE O.D.	FLANGE SIZE	A	B	C	THREAD
604-8-8	1/2	1/2	2.58	1.250	2.08	13/16-16
604-12-12	3/4	3/4	2.75	1.625	2.08	1 3/16-12
604-16-12	1	3/4	2.75	1.625	2.06	1 7/16-12
604-12-16	3/4	1	2.80	1.875	2.13	1 3/16-12
604-16-16	1	1	2.80	1.875	2.11	1 7/16-12
604-20-16	1 1/4	1	3.20	1.875	2.51	1 11/16-12
604-16-20	1	1 1/4	3.05	2.125	2.36	1 7/16-12
604-20-20	1 1/4	1 1/4	3.05	2.125	2.36	1 11/16-12
604-24-20	1 1/2	1 1/4	3.30	2.125	2.61	2-12
604-20-24	1 1/4	1 1/2	3.50	2.500	2.81	1 11/16-12
604-24-24	1 1/2	1 1/2	3.50	2.500	2.81	2-12
604-24-32	1 1/2	2	3.58	3.125	2.89	2-12

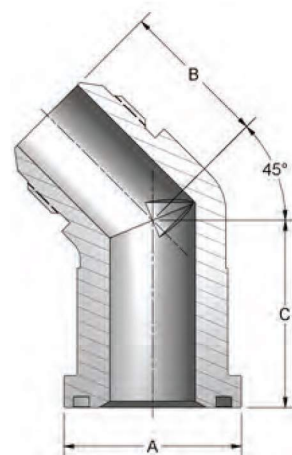
45° JIC THREAD

CODE 61 45° JIC THREAD

PART NO.	TUBE O.D.	FLANGE SIZE	A	B	C	THREAD
340-12-12	3/4	3/4	1.500	1.28	1.58	1 1/16-12
340-16-16	1	1	1.750	1.47	1.85	1 5/16-12
340-20-20	1 1/4	1 1/4	2.000	1.59	2.04	1 5/8-12
340-24-24	1 1/2	1 1/2	2.375	1.78	2.38	1 7/8-12
340-32-32	2	2	2.812	2.22	3.00	2 1/2-12

CODE 62 45° JIC THREAD

PART NO.	TUBE O.D.	FLANGE SIZE	A	B	C	THREAD
640-12-12	3/4	3/4	1.625	1.28	1.58	1 1/16-12
640-16-16	1	1	1.875	1.47	1.85	1 5/16-12
640-20-20	1 1/4	1 1/4	2.125	1.59	2.04	1 5/8-12
640-24-24	1 1/2	1 1/2	2.500	1.78	2.38	1 7/8-12
640-32-32	2	2	3.13	2.22	3.00	2 1/2-12



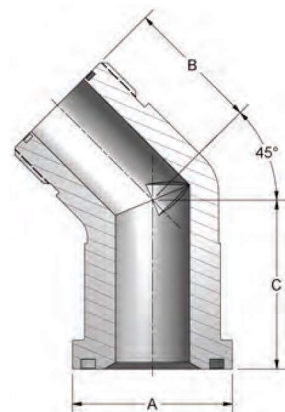
45° ORFS THREAD

CODE 61 45° ORFS THREAD

PART NO.	TUBE O.D.	FLANGE SIZE	A	B	C	THREAD
344-12-12	3/4	3/4	1.500	1.28	1.58	1 3/16-12
344-16-16	1	1	1.750	1.47	1.85	1 7/16-12
344-20-20	1 1/4	1 1/4	2.000	1.59	2.04	1 11/16-12
344-24-24	1 1/2	1 1/2	2.375	1.78	2.38	2-12

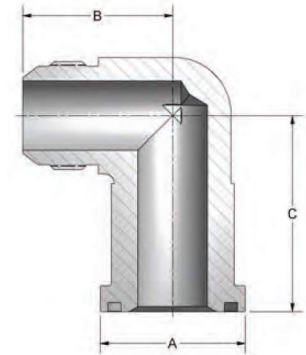
CODE 62 45° ORFS THREAD

PART NO.	TUBE O.D.	FLANGE SIZE	A	B	C	THREAD
644-12-12	3/4	3/4	1.625	1.28	1.58	1 3/16-12
644-16-16	1	1	1.875	1.47	1.85	1 7/16-12
644-20-20	1 1/4	1 1/4	2.125	1.59	2.04	1 11/16-12
644-24-24	1 1/2	1 1/2	2.500	1.78	2.38	2-12



90° JIC THREAD

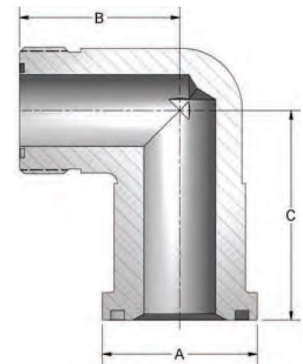
CODE 61 90° JIC THREAD						
PART NO.	TUBE O.D.	FLANGE SIZE	A	B	C	THREAD
390-8-8	1/2	1/2	1.19	1.46	2.13	3/4-16
390-8-12	1/2	3/4	1.500	1.66	2.13	3/4-16
390-12-12	3/4	3/4	1.500	1.66	2.13	1 1/16-12
390-16-12	1	3/4	1.500	1.66	2.13	1 5/16-12
390-12-16	3/4	1	1.750	1.81	2.37	1 1/16-12
390-16-16	1	1	1.750	1.81	2.37	1 5/16-12
390-20-16	1 1/4	1	1.750	1.81	2.37	1 5/8-12
390-12-20	3/4	1 1/4	2.000	2.06	2.62	1 1/16-12
390-16-20	1	1 1/4	2.000	2.06	2.62	1 5/16-12
390-20-20	1 1/4	1 1/4	2.000	2.06	2.62	1 5/8-12
390-24-20	1 1/2	1 1/4	2.000	2.06	2.62	1 7/8-12
390-12-24	3/4	1 1/2	2.375	2.33	3.15	1 1/16-12
390-16-24	1	1 1/2	2.375	2.33	3.15	1 5/16-12
390-20-24	1 1/4	1 1/2	2.375	2.33	3.15	1 5/8-12
390-24-24	1 1/2	1 1/2	2.375	2.33	3.15	1 7/8-12
390-32-24	2	1 1/2	2.375	2.33	3.15	2 1/2-12
390-24-32	1 1/2	2	2.812	3.06	4.25	1 7/8-12
390-32-32	2	2	2.812	3.06	4.25	2 1/2-12
390-32-40	2	2 1/2	3.312	3.06	4.25	2 1/2-12



CODE 62 90° JIC THREAD						
PART NO.	TUBE O.D.	FLANGE SIZE	A	B	C	THREAD
690-8-8	1/2	1/2	1.250	1.66	2.13	3/4-16
690-12-12	3/4	3/4	1.625	1.66	2.13	1 1/16-12
690-16-12	1	3/4	1.625	1.66	2.13	1 5/16-12
690-12-16	3/4	1	1.875	1.81	2.37	1 1/16-12
690-16-16	1	1	1.875	1.81	2.37	1 5/16-12
690-20-16	1 1/4	1	1.875	1.81	2.37	1 5/8-12
690-16-20	1	1 1/4	2.125	2.06	2.76	1 5/16-12
690-20-20	1 1/4	1 1/4	2.125	2.06	2.76	1 5/8-12
690-24-20	1 1/2	1 1/4	2.125	2.19	2.76	1 7/8-12
690-20-24	1 1/4	1 1/2	2.500	2.33	3.15	1 5/8-12
690-24-24	1 1/2	1 1/2	2.500	2.33	3.15	1 7/8-12
690-32-24	2	1 1/2	2.500	3.06	4.25	2 1/2-12
690-24-32	1 1/2	2	3.125	3.06	4.25	1 7/8-12
690-32-32	2	2	3.125	3.06	4.25	2 1/2-12

90° ORFS THREAD

CODE 61 90° ORFS THREAD						
PART NO.	TUBE O.D.	FLANGE SIZE	A	B	C	THREAD
394-12-12	3/4	3/4	1.500	1.66	2.13	1 3/16-12
394-16-12	1	3/4	1.500	1.66	2.13	1 7/16-12
394-12-16	3/4	1	1.750	1.81	2.37	1 3/16-12
394-16-16	1	1	1.750	1.81	2.37	1 7/16-12
394-20-16	1 1/4	1	1.750	1.81	2.37	1 11/16-12
394-16-20	1	1 1/4	2.000	2.06	2.62	1 7/16-12
394-20-20	1 1/4	1 1/4	2.000	2.06	2.62	1 11/16-12
394-24-20	1 1/2	1 1/4	2.000	2.06	2.62	2-12
394-20-24	1 1/4	1 1/2	2.375	2.33	3.15	1 11/16-12
394-24-24	1 1/2	1 1/2	2.375	2.33	3.15	2-12
394-24-32	1 1/2	2	2.812	3.06	4.25	2-12



CODE 62 90° ORFS THREAD						
PART NO.	TUBE O.D.	FLANGE SIZE	A	B	C	THREAD
694-12-8	3/4	1/2	1.250	1.66	2.13	1 3/16-12
694-12-12	3/4	3/4	1.625	1.66	2.13	1 3/16-12
694-16-12	1	3/4	1.625	1.66	2.13	1 7/16-12
694-12-16	3/4	1	1.875	1.81	2.37	1 3/16-12
694-16-16	1	1	1.875	1.81	2.37	1 7/16-12
694-20-16	1 1/4	1	1.875	1.81	2.37	1 11/16-12
694-16-20	1	1 1/4	2.125	2.06	2.76	1 7/16-12
694-20-20	1 1/4	1 1/4	2.125	2.06	2.76	1 11/16-12
694-24-20	1 1/2	1 1/4	2.125	2.06	2.76	2-12
694-20-24	1 1/4	1 1/2	2.500	2.33	3.15	1 11/16-12
694-24-24	1 1/2	1 1/2	2.500	2.33	3.15	2-12
694-24-32	1 1/2	2	3.125	3.06	4.25	2-12



90° JIC THREAD - BENT TUBE STYLE

CODE 61 90° JIC THREAD

PART NUMBER	TUBE O.D.	FLANGE SIZE	DESCRIPTION
1701-61-08-08	1/2	1/2	1/2" MJIC X 1/2" C61 FLNG 90 ELB BENT TUBE
1701-61-08-12	1/2	3/4	1/2" MJIC X 3/4" C61 FLNG 90 ELB BENT TUBE
1701-61-12-12	3/4	3/4	3/4" MJIC X 3/4" C61 FLNG 90 ELB BENT TUBE
1701-61-12-16	3/4	1	3/4" MJIC X 1" C61 FLNG 90 ELB BENT TUBE
1701-61-16-16	1	1	1" MJIC X 1" C61 FLNG 90 ELB BENT TUBE
1701-61-16-20	1	1-1/4	1" MJIC X 1-1/4" C61 FLNG 90 ELB BENT TUBE
1701-61-20-20	1-1/4	1-1/4	1-1/4" MJIC X 1-1/4" C61 FLNG 90 ELB BENT TUBE
1701-61-20-24	1-1/4	1-1/2	1-1/4" MJIC X 1-1/2" C61 FLNG 90 ELB BENT TUBE
1701-61-24-24	1-1/2	1-1/2	1-1/2" MJIC X 1-1/2" C61 FLNG 90 ELB BENT TUBE
1701-61-32-32	2	2	2" MJIC X 2" C61 FLNG 90 ELB BENT TUBE

CODE 62 90° JIC THREAD

PART NUMBER	TUBE O.D.	FLANGE SIZE	DESCRIPTION
1701-62-12-12	3/4	3/4	3/4" MJIC X 3/4" C62 FLNG 90 ELB BENT TUBE
1701-62-12-16	3/4	1	3/4" MJIC X 1" C62 FLNG 90 ELB BENT TUBE
1701-62-16-16	1	1	1" MJIC X 1" C62 FLNG 90 ELB BENT TUBE
1701-62-16-20	1	1-1/4	1" MJIC X 1-1/4" C62 FLNG 90 ELB BENT TUBE
1701-62-20-20	1-1/4	1-1/4	1-1/4" MJIC X 1-1/4" C62 FLNG 90 ELB BENT TUBE
1701-62-20-24	1-1/4	1-1/2	1-1/4" MJIC X 1-1/2" C62 FLNG 90 ELB BENT TUBE
1701-62-24-24	1-1/2	1-1/2	1-1/2" MJIC X 1-1/2" C62 FLNG 90 ELB BENT TUBE
1701-62-24-32	1-1/2	2	1-1/2" MJIC X 2" C62 FLNG 90 ELB BENT TUBE
1701-62-32-32	2	2	2" MJIC X 2" C62 FLNG 90 ELB BENT TUBE

CODE 61 45° JIC THREAD

PART NUMBER	TUBE O.D.	FLANGE SIZE	DESCRIPTION
1703-61-08-08	1/2	1/2	1/2" MJIC X 1/2" C61 FLNG 45 ELB BENT TUBE
1703-61-08-12	1/2	3/4	1/2" MJIC X 3/4" C61 FLNG 45 ELB BENT TUBE
1703-61-12-12	3/4	3/4	3/4" MJIC X 3/4" C61 FLNG 45 ELB BENT TUBE
1703-61-12-16	3/4	1	3/4" MJIC X 1" C61 FLNG 45 ELB BENT TUBE
1703-61-16-16	1	1	1" MJIC X 1" C61 FLNG 45 ELB BENT TUBE
1703-61-16-20	1	1-1/4	1" MJIC X 1-1/4" C61 FLNG 45 ELB BENT TUBE
1703-61-20-20	1-1/4	1-1/4	1-1/4" MJIC X 1-1/4" C61 FLNG 45 ELB BENT TUBE
1703-61-20-24	1-1/4	1-1/2	1-1/4" MJIC X 1-1/2" C61 FLNG 45 ELB BENT TUBE
1703-61-24-24	1-1/2	1-1/2	1-1/2" MJIC X 1-1/2" C61 FLNG 45 ELB BENT TUBE
1703-61-32-32	2	2	2" MJIC X 2" C61 FLNG 45 ELB BENT TUBE

CODE 62 45° JIC THREAD

PART NUMBER	TUBE O.D.	FLANGE SIZE	DESCRIPTION
1703-62-12-12	3/4	3/4	3/4" MJIC X 3/4" C62 FLNG 45 ELB BENT TUBE
1703-62-12-16	3/4	1	3/4" MJIC X 1" C62 FLNG 45 ELB BENT TUBE
1703-62-16-16	1	1	1" MJIC X 1" C62 FLNG 45 ELB BENT TUBE
1703-62-16-20	1	1-1/4	1" MJIC X 1-1/4" C62 FLNG 45 ELB BENT TUBE
1703-62-20-20	1-1/4	1-1/4	1-1/4" MJIC X 1-1/4" C62 FLNG 45 ELB BENT TUBE
1703-62-20-24	1-1/4	1-1/2	1-1/4" MJIC X 1-1/2" C62 FLNG 45 ELB BENT TUBE
1703-62-24-24	1-1/2	1-1/2	1-1/2" MJIC X 1-1/2" C62 FLNG 45 ELB BENT TUBE
1703-62-32-32	1-1/2	2	2" MJIC X 2" C62 FLNG 45 ELB BENT TUBE



FLANGE PLUG



CODE 61 FLANGE PLUG							
PART NO. O-RING FIG. 1	PART NO. FLAT FACE FIG. 2	FLANGE SIZE	A	B	C	D	E
8-FOP	8-FP	.50	1.188	.924	.50	.265	1.000
12-FOP	12-FP	.75	1.500	1.234	.56	.265	1.250
16-FOP	16-FP	1.00	1.750	1.484	.56	.315	1.560
20-FOP	20-FP	1.25	2.000	1.684	.56	.315	1.750
24-FOP	24-FP	1.50	2.375	1.964	.62	.315	2.115
32-FOP	32-FP	2.00	2.810	2.434	.62	.375	2.490
40-FOP	40-FP	2.50	3.312	2.904	.68	.375	2.995
48-FOP	48-FP	3.00	4.000	3.534	.75	.375	3.615

CODE 62 FLANGE PLUG							
PART NO. O-RING FIG. 1	PART NO. FLAT FACE FIG. 2	FLANGE SIZE	A	B	C	D	E
12-FOPX	12-FPX	.75	1.625	1.234	.690	.345	1.250
16-FOPX	16-FPX	1.00	1.875	1.484	.810	.375	1.560
20-FOPX	20-FPX	1.25	2.125	1.704	1.000	.405	1.750
24-FOPX	24-FPX	1.50	2.500	1.984	1.190	.495	2.115
32-FOPX	32-FPX	2.00	3.125	2.604	1.500	.495	2.490

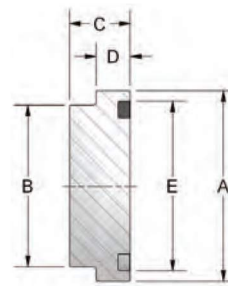


Figure 1

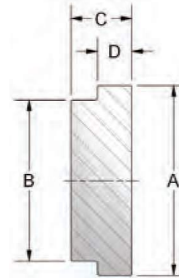


Figure 2

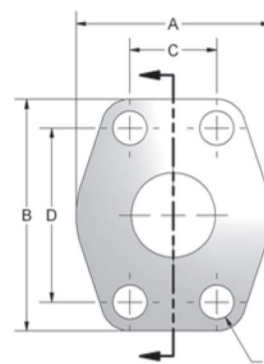


CONNECTOR PLATE



CODE 61 CONNECTOR PLATE							
PART NO.	PAD SIZE	A	B	C	D	E	F
8CP	.50	1.81	2.12	.688	1.500	.50	.344
12CP	.75	2.06	2.56	.875	1.875	.75	.406
16CP	1.00	2.31	2.75	1.031	2.062	1.00	.406
20CP	1.25	2.88	3.12	1.188	2.312	1.25	.469
24CP	1.50	3.25	3.69	1.406	2.750	1.50	.531
32CP	2.00	3.81	4.00	1.688	3.062	2.00	.531
40CP	2.50	4.12	4.44	2.000	3.500	2.50	.531
48CP	3.00	5.16	5.31	2.438	4.188	3.00	.656

CODE 62 CONNECTOR PLATE							
PART NO.	PAD SIZE	A	B	C	D	E	F
12CPX	.75	2.38	2.81	.937	2.000	.750	.406
16CPX	1.00	2.75	3.19	1.093	2.250	1.000	.469
20CPX	1.25	3.06	3.75	1.250	2.625	1.250	.531
24CPX	1.50	3.75	4.44	1.437	3.125	1.500	.656
32CPX	2.00	4.50	5.25	1.750	3.812	2.000	.781





BLANKING

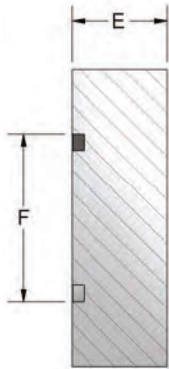


Figure 1

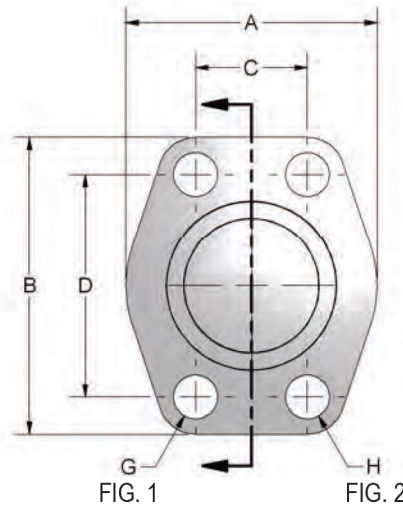


FIG. 1

FIG. 2



Figure 2

PILOT HOLE
PRESENT ONLY ON
FLAT FACE PARTS
AND -B O-RING FLANGE

KIT (U) CODE 61 BLANKING												
PART NO. O-RING FIG. 1	PART NO. FLAT FACE FIG. 2	PAD	A	B	C	D	E	F	G	H UNC-2B	MOUNTING HARDWARE	
											O-RING	SHCS
W36-8-8U	W37-8-8	.50	1.813	2.125	.688	1.50	.75	1.000	.344	5/16-18	210	5/16-18X1.50
W36-12-12U	W37-12-12	.75	2.063	2.563	.875	1.875	.75	1.250	.406	3/8-16	214	3/8-16X1.50
W36-16-16U	W37-16-16	1.00	2.313	2.750	1.031	2.063	.88	1.560	.406	3/8-16	219	3/8-16X1.75
W36-20-20U	W37-20-20	1.25	2.875	3.125	1.188	2.313	.94	1.750	.469	7/16-14	222	7/16-14X1.75
W36-24-24U	W37-24-24	1.50	3.250	3.688	1.406	2.750	1.19	2.115	.531	1/2-13	225	1/2-13X2.25
W36-32-32U	W37-32-32	2.00	3.813	4.000	1.688	3.063	1.44	2.490	.531	1/2-13	228	1/2-13X2.50
W36-40-40U	W37-40-40	2.50	4.281	4.500	2.000	3.500	1.82	2.995	.531	1/2-13	232	1/2-13X2.75
W36-48-48U	W37-48-48	3.00	5.156	5.313	2.438	4.188	2.19	3.615	.656	5/8-11	237	5/8-11X3.50
W36-56-56U	W37-56-56	3.50	5.500	6.000	2.750	4.750	1.44	4.095	.656	5/8-11	241	5/8-11X2.75
W36-64-64U	W37-64-64	4.00	6.00	6.38	3.062	5.125	1.44	4.595	.656	5/8-11	245	5/8-11X2.75
W36-80-80U	W37-80-80	5.00	7.12	7.25	3.625	6.000	1.75	5.595	.656	5/8-11	253	5/8-11X3.00

KIT (U) CODE 62 BLANKING												
PART NO. O-RING FIG. 1	PART NO. FLAT FACE FIG. 2	PAD	A	B	C	D	E	F	G	H UNC-2B	MOUNTING HARDWARE	
											O-RING	SHCS
W38-8-8U	W39-8-8	.500	1.94	2.30	.718	1.594	1.25	1.000	.344	5/16-18	210	5/16-18X2.00
W38-12-12U	W39-12-12	.750	2.50	2.95	.937	2.000	1.25	1.250	.406	3/8-16	214	3/8-16X2.00
W38-16-16U	W39-16-16	1.00	2.75	3.19	1.093	2.250	1.50	1.560	.492	7/16-14	219	7/16-14X2.50
W38-20-20U	W39-20-20	1.25	3.06	3.75	1.250	2.625	1.43	1.750	.531	1/2-13	222	1/2-13X2.50
W38-24-24U	W39-24-24	1.50	3.75	4.44	1.437	3.125	1.82	2.115	.656	5/8-11	225	5/8-11X3.00
W38-32-32U	W39-32-32	2.00	4.50	5.25	1.750	3.812	1.82	2.490	.781	3/4-10	228	3/4-10X3.00
W38-40-40U	W39-40-40	2.50	5.87	6.87	2.312	4.875	1.93	2.995	.906	7/8-9	232	7/8-9X3.50
W38-48-48U	W39-48-48	3.00	7.00	8.50	2.812	6.000	2.69	3.615	1.190	1 1/8-7	237	1 1/8-7X4.50

Kit (U)	Includes Mounting Hardware / O-Ring
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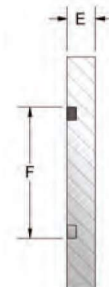
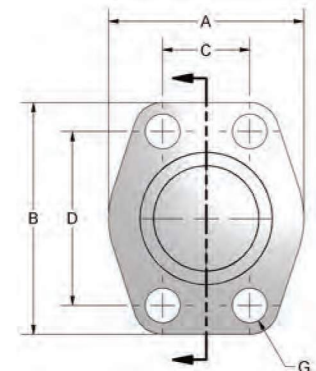
ZERO PSI SHIPPING PLATE

Forged steel shipping plates are 0.33" thick, silver trivalent plated for resistance to oxidation, and incorporate an o-ring groove on one side for "Zero Pressure" applications. The opposite side has a machined flat-face for capping off hose ends.



CODE 61 SHIPPING PLATE											
PART	**KIT PART	PAD SIZE	A	B	C	D	E	F	G	MOUNTING HARDWARE	
										O-RING	HHCS
SP-8	SP-8U	.50	1.81	2.12	.688	1.500	.33	1.000	.344	210	5/16-18X.75
SP-12	SP-12U	.75	2.06	2.56	.875	1.875	.33	1.250	.413	214	3/8-16X.75
SP-16	SP-16U	1.00	2.31	2.75	1.031	2.063	.33	1.560	.413	219	3/8-16X.75
SP-20	SP-20U	1.25	2.88	3.12	1.188	2.313	.33	1.750	.469	222	7/16-14X.75
SP-24	SP-24U	1.50	3.25	3.69	1.406	2.750	.33	2.115	.531	225	1/2-13X.75
SP-32	SP-32U	2.00	3.81	4.00	1.688	3.063	.33	2.490	.531	228	1/2-13X.75
SP-40	SP-40U	2.50	4.28	4.50	2.000	3.500	.33	2.995	.531	232	1/2-13X.75
SP-48	SP-48U	3.00	5.16	5.31	2.438	4.188	.33	3.615	.656	237	5/8-11X1.00
SP-56	SP-56U	3.50	5.50	6.00	2.750	4.750	.33	4.095	.656	241	5/8-11X1.00
SP-64	SP-64U	4.00	6.00	6.38	3.062	5.125	.33	4.595	.656	245	5/8-11X1.00

CODE 62 SHIPPING PLATE											
PART NO.	**KIT PART	PAD SIZE	A	B	C	D	E	F	G	MOUNTING HARDWARE	
										O-RING	HHCS
SPX-8	SPX-8U	.50	1.94	2.19	.718	1.594	.33	1.000	.354	210	5/16-18X.75
SPX-12	SPX-12U	.75	2.50	2.81	.937	2.000	.33	1.250	.433	214	3/8-16X.75
SPX-16	SPX-16U	1.00	2.75	3.19	1.093	2.250	.33	1.560	.531	219	7/16-14X.75
SPX-20	SPX-20U	1.25	3.06	3.75	1.250	2.625	.33	1.750	.610	222	1/2-13X.75
SPX-24	SPX-24U	1.50	3.75	4.44	1.437	3.125	.33	2.115	.689	225	5/8-11X1.00
SPX-32	SPX-32U	2.00	4.50	5.25	1.750	3.812	.33	2.490	.866	228	3/4-10X1.00



Applications include: Cylinder Port Covers, Pump Port Covers, Stub-Out Header Line Covers, Maintenance Work and are Great for Painting Protection.

* When ordering this part # you will receive: (1) shipping plate, (4) hex head bolts, and (1) Buna N O-Ring.

NOT FOR USE ON DYNAMIC OR PRESSURIZED APPLICATIONS.



NPTF THREAD

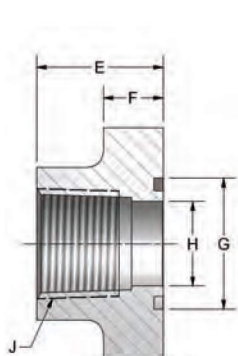


Figure 1

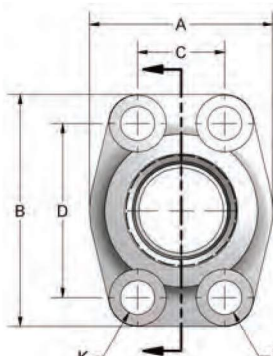


FIG. 1

FIG. 2

* No Spotface

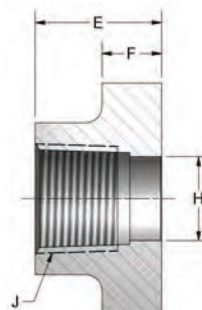


Figure 2

KIT (U)		CODE 61 NPTF THREAD														MOUNTING HARDWARE	
PART NO. O-RING FIG. 1	PART NO. FLAT FACE FIG. 2	PORT SIZE	PAD SIZE	A	B	C	D	E	F	G	H	J	K	L UNC-2B		O-RING	SHCS
W43-8-8U	W104-8-8	.50	.50	1.81	2.13	.688	1.500	1.42	.63	1.000	.502	1/2-14	.344	5/16-18		210	5/16-18X1.25
W43-12-12U	W104-12-12	.75	.75	1.97	2.56	.875	1.875	1.42	.71	1.250	.752	3/4-14	.406	3/8-16		214	3/8-16X1.50
W43-16-16U	W104-16-16	1.00	1.00	2.17	2.75	1.031	2.062	1.50	.71	1.560	1.002	1-11.5	.406	3/8-16		219	3/8-16X1.50
W43-20-20U	W104-20-20	1.25	1.25	2.68	3.12	1.188	2.312	1.61	.83	1.750	1.252	1 1/4-11.5	.469	7/16-14		222	7/16-14X1.75
W43-24-24U	W104-24-24	1.50	1.50	3.07	3.66	1.406	2.750	1.77	.98	2.115	1.502	1 1/2-11.5	.531	1/2-13		225	1/2-13X1.75
W43-32-32U	W104-32-32	2.00	2.00	3.54	4.00	1.688	3.062	1.77	.98	2.490	2.002	2-11.5	.531	1/2-13		228	1/2-13X1.75
W43-40-40U	W104-40-40	2.50	2.50	4.09	4.49	2.000	3.500	1.97	.98	2.995	2.502	2 1/2-8	.531	1/2-13		232	1/2-13X1.75
W43-48-48U	W104-48-48	3.00	3.00	4.88	5.28	2.438	4.188	1.97	1.06	3.615	3.002	3-8	.656	5/8-11		237	5/8-11X2.00
W43-56-56U	W104-56-56	3.50	3.50	5.35	5.98	2.750	4.750	2.19	1.06	4.095	3.500	3 1/2-8	.656	5/8-11		241	5/8-11X2.00
W43-64-64U	W104-64-64	4.00	4.00	5.75	6.38	3.062	5.125	2.19	1.06	4.595	3.940	4-8	.656	5/8-11		245	5/8-11X2.00

KIT (U)		CODE 62 NPTF THREAD														MOUNTING HARDWARE	
PART NO. O-RING FIG. 1	PART NO. FLAT FACE FIG. 2	PORT SIZE	PAD SIZE	A	B	C	D	E	F	G	H	J	K	L UNC-2B		O-RING	SHCS
W44-8-8U	W45-8-8	.50	.50	1.81	2.21	.718	1.594	1.42	.63	1.000	.502	1/2-14	.344	5/6-18		210	5/16-18X1.25
W44-12-12U	W45-12-12	.75	.75	2.17	2.80	.937	2.000	1.38	.83	1.250	.752	3/4-14	.406	3/8-16		214	3/8-16X1.50
W44-16-16U	W45-16-16	1.00	1.00	2.56	3.19	1.093	2.250	1.65	.98	1.560	1.002	1-11.5	.492	7/16-14		219	7/16-14X1.75
W44-20-20U	W45-20-20	1.25	1.25	3.07	3.75	1.250	2.625	1.77	1.06	1.750	1.252	1 1/4-11.5	.531	1/2-13		222	1/2-13X1.75
W44-24-24U	W45-24-24	1.50	1.50	3.70	4.41	1.437	3.125	1.97	1.18	2.115	1.502	1 1/2-11.5	.656	5/8-11		225	5/8-11X2.25
W44-32-32U	W45-32-32	2.00	2.00	4.50	5.28	1.750	3.812	2.56	1.46	2.490	2.002	2-11.5	.781	3/4-10		228	3/4-10X2.75

Kit (U)	Includes Mounting Hardware / O-Ring
Stainless Steel	Add "-SS" to end of the Part Number

SAE STRAIGHT THREAD

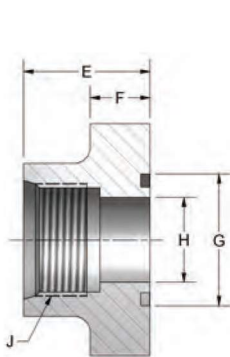


Figure 1

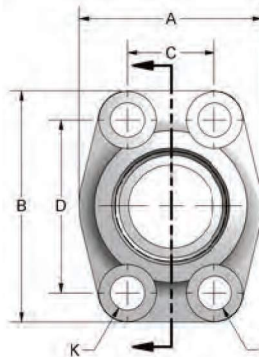


FIG. 1

FIG. 2

* No Spotface

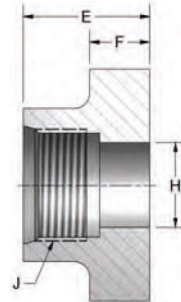


Figure 2

KIT (U)	CODE 61 SAE STRAIGHT THREAD															
PART NO. O-RING FIG. 1	PART NO. FLAT FACE FIG. 2	PORT SIZE	PAD SIZE	A	B	C	D	E	F	G	H	J	K	L UNC-2B	MOUNTING HARDWARE	
															O-RING	SHCS
W46-8-8U	W106-8-8	.50	.50	1.81	2.13	.688	1.500	1.42	.63	1.000	.502	3/4-16	.344	5/16-18	210	5/16-18X1.25
W46-12-12U	W106-12-12	.75	.75	1.97	2.56	.875	1.875	1.42	.71	1.250	.752	1 1/16-12	.406	3/8-16	214	3/8-16X1.50
W46-16-16U	W106-16-16	1.00	1.00	2.17	2.75	1.031	2.062	1.50	.71	1.560	1.002	1 5/16-12	.406	3/8-16	219	3/8-16X1.50
W46-20-20U	W106-20-20	1.25	1.25	2.68	3.12	1.188	2.312	1.61	.83	1.750	1.252	1 5/8-12	.469	7/16-14	222	7/16-14X1.75
W46-24-24U	W106-24-24	1.50	1.50	3.07	3.66	1.406	2.750	1.77	.98	2.115	1.502	1 7/8-12	.531	1/2-13	225	1/2-13X1.75
*W46-32-32U	W106-32-32	2.00	2.00	3.54	4.00	1.688	3.062	1.77	.98	2.490	2.002	2 1/2-12	.531	1/2-13	228	1/2-13X1.75
**W46-40-40U	W106-40-40	2.50	2.50	4.09	4.49	2.000	3.500	1.97	.98	3.000	2.500	3-12	.530	1/2-13	232	1/2-13X1.75
**W46-48-48U	W106-48-48	3.00	3.00	4.88	5.28	2.440	4.190	1.97	1.06	3.620	3.000	3 1/2-12	.660	5/8-11	237	5/8-11X2.00
**W46-64-64U	W106-64-64	4.00	4.00	5.74	6.38	3.060	5.130	2.19	1.06	4.600	4.000	4 1/2-12	.660	5/8-11	245	5/8-11X2.00

* 1000 PSI max. for W46-32-32.

** Consult Factory for Working Pressure.

KIT (U)		CODE 62 SAE STRAIGHT THREAD														
PART NO. O-RING FIG. 1	PART NO. FLAT FACE FIG. 2	PORT SIZE	PAD SIZE	A	B	C	D	E	F	G	H	J	K	L UNC-2B	MOUNTING HARDWARE	
															O-RING	SHCS
W48-8-8U	W49-8-8	.50	.50	1.81	2.21	.718	1.594	1.42	.63	1.000	.502	3/4-16	.344	5/16-18	210	5/16-18X1.25
W48-12-12U	W49-12-12	.75	.75	2.17	2.80	.937	2.000	1.38	.83	1.250	.752	1 1/6-12	.406	3/8-16	214	3/8-16X1.50
W48-16-16U	W49-16-16	1.00	1.00	2.56	3.19	1.093	2.250	1.65	.98	1.560	1.002	1 5/16-12	.492	7/16-14	219	7/16-14X1.75
W48-20-20U	W49-20-20	1.25	1.25	3.07	3.75	1.250	2.625	1.77	1.06	1.750	1.252	1 5/8-12	.531	1/2-13	222	1/2-13X1.75
W48-24-24U	W49-24-24	1.50	1.50	3.70	4.41	1.437	3.125	1.97	1.18	2.115	1.502	1 7/8-12	.656	5/8-11	225	5/8-11X2.25
W48-32-32U	W49-32-32	2.00	2.00	4.50	5.28	1.750	3.812	2.56	1.46	2.490	2.002	2 1/2-12	.781	3/4-10	228	3/4-10X2.75

Kit (U)	Includes Mounting Hardware / O-Ring
Stainless Steel	Add "-SS" to end of the Part Number

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BSPP THREAD

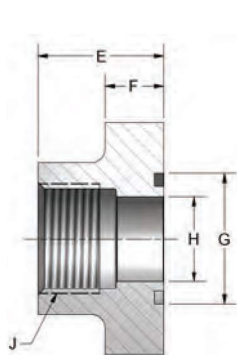


Figure 1

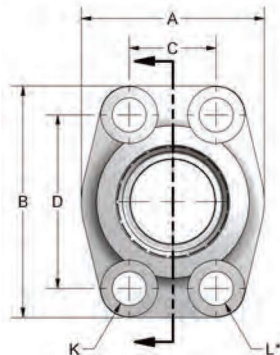


FIG. 1

FIG. 2

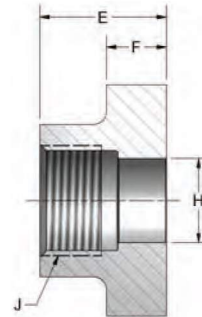


Figure 2

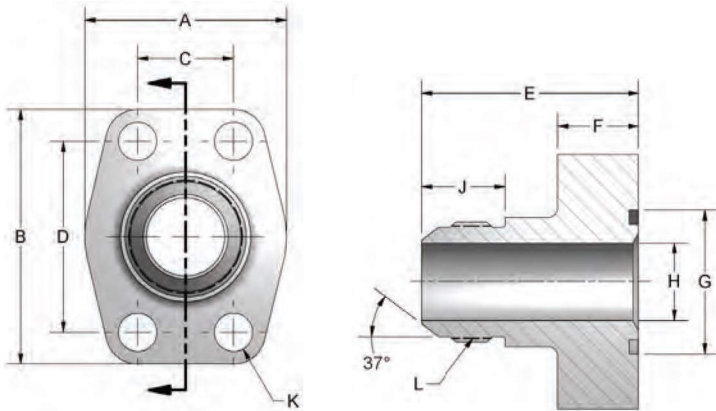
* No Spotface

KIT (U)		CODE 61 BSPP THREAD														
PART NO. O-RING FIG. 1	PART NO. FLAT FACE FIG. 2	PORT SIZE	PAD SIZE	A	B	C	D	E	F	G	H	J BSPP	K	L UNC-2B	MOUNTING HARDWARE	
															O-RING	SHCS
W192-8-8U	W193-8-8	.50	.50	1.81	2.13	.688	1.500	1.42	.63	1.000	.502	.50-14	.344	5/16-18	210	5/16-18X1.25
W192-12-12U	W193-12-12	.75	.75	1.97	2.56	.875	1.875	1.42	.71	1.250	.752	.75-14	.406	3/8-16	214	3/8-16X1.50
W192-16-16U	W193-16-16	1.00	1.00	2.17	2.75	1.031	2.062	1.50	.71	1.560	1.002	1.00-11	.406	3/8-16	219	3/8-16X1.50
W192-20-20U	W193-20-20	1.25	1.25	2.68	3.12	1.188	2.312	1.61	.83	1.750	1.252	1.25-11	.469	7/16-14	222	7/16-14X1.75
W192-24-24U	W193-24-24	1.50	1.50	3.07	3.66	1.406	2.750	1.77	.98	2.115	1.502	1.50-11	.531	1/2-13	225	1/2-13X1.75
W192-32-32U	W193-32-32	2.00	2.00	3.54	4.00	1.688	3.062	1.77	.98	2.490	2.002	2.00-11	.531	1/2-13	228	1/2-13X1.75

KIT (U)		CODE 62 BSPP THREAD														
PART NO. O-RING FIG. 1	PART NO. FLAT FACE FIG. 2	PORT SIZE	PAD SIZE	A	B	C	D	E	F	G	H	J BSPP	K	L UNC-2B	MOUNTING HARDWARE	
															O-RING	SHCS
W194-8-8U	W195-8-8	.50	.50	1.81	2.21	.718	1.594	1.42	.63	1.000	.502	.50-14	.344	5/16-18	210	5/16-18X1.25
W194-12-12U	W195-12-12	.75	.75	2.17	2.80	.937	2.000	1.38	.83	1.250	.752	.75-14	.406	3/8-16	214	3/8-16X1.50
W194-16-16U	W195-16-16	1.00	1.00	2.56	3.19	1.093	2.250	1.65	.98	1.560	1.002	1.00-11	.492	7/16-14	219	7/16-14X1.75
W194-20-20U	W195-20-20	1.25	1.25	3.07	3.75	1.250	2.625	1.77	1.06	1.750	1.252	1.25-11	.531	1/2-13	222	1/2-13X1.50
W194-24-24U	W195-24-24	1.50	1.50	3.70	4.41	1.437	3.125	1.97	1.18	2.115	1.502	1.50-11	.656	5/8-11	225	5/8-11X2.00
W194-32-32U	W195-32-32	2.00	2.00	4.50	5.28	1.750	3.812	2.56	1.46	2.490	2.002	2.00-11	.781	3/4-10	228	3/4-10X2.75

Kit (U)	Includes Mounting Hardware / O-Ring
Stainless Steel	Add "-SS" to end of the Part Number

JIC MALE THREAD



4-Bolt Flange hole pattern per SAE J518. Male JIC Thread per SAE J514.

KIT (U)		CODE 61 MALE JIC											MOUNTING	
PART NO.	PAD SIZE	A	B	C	D	E	F	G	H	J	K	L	O-RING	SHCS
W300-8-8U	.50	1.81	2.13	.688	1.500	2.00	.88	1.000	.394	.657	.344	3/4-16	210	5/16-18X1.25
W300-12-12U	.75	1.97	2.56	.875	1.875	2.29	.88	1.250	.611	.864	.413	1 1/16-12	214	3/8-16X1.50
W300-16-16U	1.00	2.17	2.75	1.031	2.062	2.35	.88	1.560	.844	.911	.413	1 5/16-12	219	3/8-16X1.50
W300-20-20U	1.25	2.68	3.12	1.188	2.312	2.49	.88	1.750	1.078	.958	.469	1 5/8-12	222	7/16-14X1.75
W300-24-24U	1.50	3.07	3.66	1.406	2.750	2.81	.98	2.115	1.318	1.083	.531	1 7/8-12	225	1/2-13X1.75
W300-32-32U	2.00	3.54	4.00	1.688	3.062	3.25	.98	2.490	1.781	1.333	.531	2 1/2-12	228	1/2-13X1.75

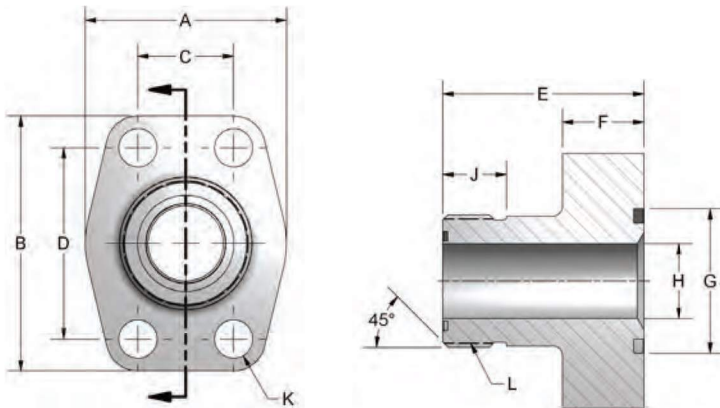
KIT (U)		CODE 62 MALE JIC											MOUNTING	
PART NO.	PAD SIZE	A	B	C	D	E	F	G	H	J	K	L	O-RING	SHCS
W600-8-8U	.50	1.81	2.21	.719	1.594	1.75	.88	1.000	.394	.657	.344	3/4-16	210	5/16-18X1.25
W600-12-12U	.75	2.17	2.80	.937	2.000	2.31	.88	1.250	.611	.864	.413	1-1/16-12	214	3/8-16X1.50
W600-16-16U	1.00	2.56	3.19	1.093	2.250	2.62	.98	1.560	.844	.911	.492	1-5/16-12	219	7/16-14X1.75
W600-20-20U	1.25	3.07	3.75	1.250	2.625	2.81	1.06	1.750	1.078	.958	.531	1-5/8-12	222	1/2-13X1.75
W600-24-24U	1.50	3.70	4.41	1.437	3.125	3.25	1.18	2.115	1.318	1.083	.656	1-7/8-12	225	5/8-11X2.25

Kit (U)	Includes Mounting Hardware / O-Ring
Stainless Steel	Add "-SS" to end of the Part Number

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ORFS MALE THREAD

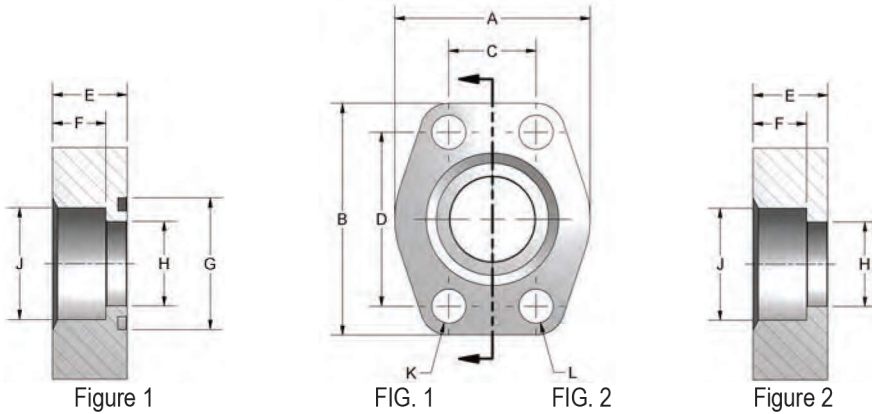


KIT (U)		CODE 61 MALE ORFS												MOUNTING	
PART NO.	PAD SIZE	A	B	C	D	E	F	G	H	J	K	L		O-RING	SHCS
W304-8-8U	.50	1.81	2.13	.688	1.500	1.75	.88	1.000	.394	.504	.344	13/16-16		210	5/16-18X1.25
W304-12-12U	.75	1.97	2.56	.875	1.875	2.00	.88	1.250	.611	.670	.413	1 3/16-12		214	3/8-16X1.50
W304-16-16U	1.00	2.17	2.75	1.031	2.062	2.00	.88	1.560	.811	.689	.413	1 7/16-12		219	3/8-16X1.50
W304-20-20U	1.25	2.68	3.12	1.188	2.312	2.25	.88	1.750	1.024	.689	.469	1 11/16-12		222	7/16-14X1.75
W304-24-24U	1.50	3.07	3.66	1.406	2.750	2.50	.98	2.115	1.260	.689	.531	2-12		225	1/2-13X2.00

KIT (U)		CODE 62 MALE ORFS												MOUNTING	
PART NO.	PAD SIZE	A	B	C	D	E	F	G	H	J	K	L		O-RING	SHCS
W604-8-8U	.50	1.81	2.21	.719	1.594	1.75	.88	1.000	.394	.504	.344	13/16-16		210	5/16-18X1.25
W604-12-12U	.75	2.17	2.80	.937	2.000	2.25	.88	1.250	.611	.670	.413	1 3/16-12		214	3/8-16X1.50
W604-16-16U	1.00	2.56	3.19	1.093	2.250	2.50	.98	1.560	.811	.689	.492	1 7/16-12		219	7/16-14X1.75
W604-20-20U	1.25	3.07	3.75	1.250	2.625	2.62	1.06	1.750	1.024	.689	.531	1 11/16-12		222	1/2-13X1.75
W604-24-24U	1.50	3.70	4.41	1.437	3.125	2.88	1.18	2.115	1.260	.689	.656	2-12		225	5/8-11X2.25

Kit (U)	Includes Mounting Hardware / O-Ring
Stainless Steel	Add "-SS" to end of the Part Number

FLAT SOCKET WELD PIPE



KIT (U)		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	MOUNTING HARDWARE	
															O-RING	SHCS
W4-8-8U	W61-8-8	.50	.50	1.813	2.125	.688	1.500	.750	.560	1.000	.502	.855	.344	5/16-18	210	5/16-18X1.50
W4-12-12U	W61-12-12	.75	.75	2.063	2.563	.875	1.875	.750	.560	1.250	.752	1.062	.406	3/8-16	214	3/8-16X1.50
W4-16-16U	W61-16-16	1.00	1.00	2.313	2.75	1.031	2.063	.880	.630	1.560	1.002	1.328	.406	3/8-16	219	3/8-16X1.75
W4-20-20U	W61-20-20	1.25	1.25	2.875	3.125	1.188	2.313	.940	.690	1.750	1.252	1.672	.469	7/16-14	222	7/16-14X1.75
W4-24-24U	W61-24-24	1.50	1.50	3.25	3.688	1.406	2.75	1.190	.750	2.115	1.502	1.922	.531	1/2-13	225	1/2-13X2.25
W4-32-32U	W61-32-32	2.00	2.00	3.813	4.00	1.688	3.063	1.380	.875	2.490	2.002	2.406	.531	1/2-13	228	1/2-13X2.50
W4-40-40U	W61-40-40	2.50	2.50	4.281	4.50	2.000	3.500	1.750	1.00	2.995	2.502	2.906	.531	1/2-13	232	1/2-13X2.75
W4-48-48U	W61-48-48	3.00	3.00	5.156	5.313	2.438	4.188	2.120	1.250	3.615	3.002	3.547	.656	5/8-11	237	5/8-11X3.50

KIT (U)		CODE 62 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	MOUNTING HARDWARE	
															O-RING	SHCS
W59-8-8U	W60-8-8	.50	.50	1.94	2.30	.718	1.594	1.25	.560	1.000	.502	.855	.344	5/16-18	210	5/16-18X2.00
W59-12-12U	W60-12-12	.75	.75	2.50	2.95	.937	2.000	1.250	.560	1.250	.752	1.062	.406	3/8-16	214	3/8-16X2.00
W59-16-16U	W60-16-16	1.00	1.00	2.75	3.19	1.093	2.250	1.500	.630	1.560	1.002	1.328	.492	7/16-14	219	7/16-14X2.50
W59-20-20U	W60-20-20	1.25	1.25	3.06	3.75	1.250	2.625	1.500	.690	1.750	1.252	1.672	.531	1/2-13	222	1/2-13X2.50
W59-24-24U	W60-24-24	1.50	1.50	3.75	4.44	1.437	3.125	1.750	.750	2.115	1.502	1.922	.656	5/8-11	225	5/8-11X3.00
W59-32-32U	W60-32-32	2.00	2.00	4.50	5.25	1.750	3.812	1.750	.875	2.490	2.002	2.406	.781	3/4-10	228	3/4-10X3.00
*W59-40-40U	*W60-40-40	2.50	2.50	5.87	6.87	2.312	4.875	2.060	1.000	2.995	2.502	2.906	.906	7/8-9	232	**7/8-9X3.50
*W59-48-48U	*W60-48-48	3.00	3.00	7.00	8.50	2.812	6.000	2.620	1.250	3.615	3.002	3.547	1.190	1-1/8-7	237	**1 1/8-7X4.50

* 3000 PSI Max Working Pressure.

KIT (U)		CODE 61 FLAT SOCKET WELD - PIPE - ALL SIZES 500 PSI														
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
W72-48-48U	W91-48-48	3.00	3.00	5.12	5.31	2.438	4.188	1.380	1.120	3.615	3.002	3.547	.656	5/8-11	237	5/8-11X2.50
W72-56-56U	W91-56-56	3.50	3.50	5.50	6.00	2.750	4.750	1.440	1.190	4.095	3.502	4.047	.656	5/8-11	241	5/8-11X2.75
W72-64-64U	W91-64-64	4.00	4.00	6.00	6.38	3.062	5.125	1.500	1.250	4.595	4.002	4.578	.656	5/8-11	245	5/8-11X2.75
W72-80-80U	W91-80-80	5.00	5.00	7.12	7.25	3.625	6.000	1.750	1.380	5.595	5.002	5.641	.656	5/8-11	253	5/8-11X3.00

Kit (U)	Includes Mounting Hardware / O-Ring
Stainless Steel	Add "-SS" to end of the Part Number

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FLAT SOCKET WELD TUBE

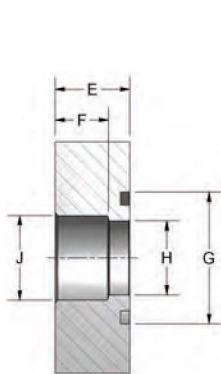


Figure 1

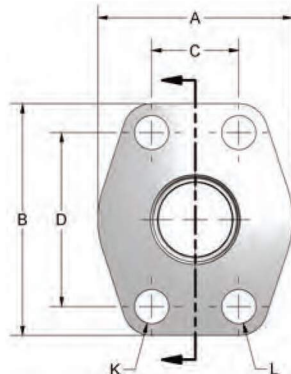


FIG. 1

FIG. 2

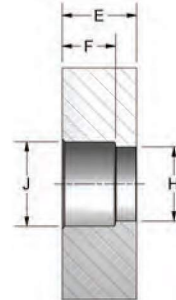


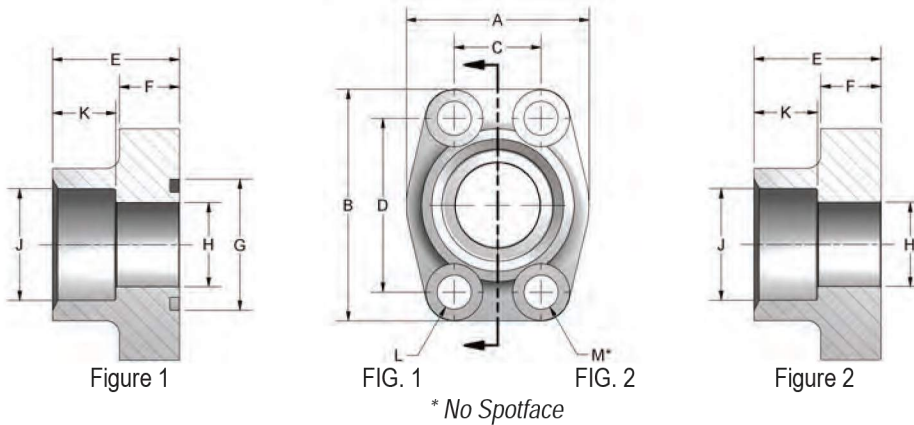
Figure 2

KIT (U)		CODE 61 FLAT SOCKET WELD - TUBE															
PART NO. O-RING FIG. 1	PART NO. FLAT FACE FIG. 2	TUBE SIZE	PAD SIZE	A	B	C	D	E	F	G	H	J	K	L	MOUNTING HARDWARE		
															O-RING	SHCS	
W6-12-12U	W62-12-12	.75	.75	2.060	2.560	.875	1.875	.750	.560	1.250	.625	.752	.406	3/8-16	214	3/8-16X1.50	
W6-16-12U	W62-16-12	1.00	.75	2.060	2.560	.875	1.875	.750	.560	1.250	.750	1.002	.406	3/8-16	214	3/8-16X1.50	
W6-16-16U	W62-16-16	1.00	1.00	2.310	2.750	1.031	2.062	.880	.630	1.560	.875	1.002	.406	3/8-16	219	3/8-16X1.75	
W6-20-16U	W62-20-16	1.25	1.00	2.310	2.750	1.031	2.062	.880	.630	1.560	1.000	1.252	.406	3/8-16	219	3/8-16X1.75	
W6-20-20U	W62-20-20	1.25	1.25	2.880	3.120	1.188	2.312	.940	.690	1.750	1.125	1.252	.469	7/16-14	222	7/16-14X1.75	
W6-24-20U	W62-24-20	1.50	1.25	2.880	3.120	1.188	2.312	.940	.690	1.750	1.250	1.502	.469	7/16-14	222	7/16-14X1.75	
W6-24-24U	W62-24-24	1.50	1.50	3.250	3.690	1.406	2.750	1.190	.750	2.115	1.375	1.502	.531	1/2-13	225	1/2-13X2.25	
W6-28-24U	W62-28-24	1.75	1.50	3.250	3.690	1.406	2.750	1.190	.750	2.115	1.500	1.752	.531	1/2-13	225	1/2-13X2.25	
W6-32-32U	W62-32-32	2.00	2.00	3.810	4.000	1.688	3.062	1.380	.875	2.490	1.875	2.002	.531	1/2-13	228	1/2-13X2.50	
W6-36-32U	W62-36-32	2.25	2.00	3.810	4.000	1.688	3.062	1.380	.875	2.490	2.000	2.252	.531	1/2-13	228	1/2-13X2.50	

KIT (U)		CODE 62 FLAT SOCKET WELD - TUBE														
PART NO. O-RING FIG. 1	PART NO. FLAT FACE FIG. 2	TUBE SIZE	PAD SIZE	A	B	C	D	E	F	G	H	J	K	L	MOUNTING HARDWARE	
															O-RING	SHCS
W58-12-12U	W63-12-12	.75	.75	2.50	2.95	.937	2.000	1.250	.560	1.250	.625	.752	.406	3/8-16	214	3/8-16X2.00
W58-16-12U	W63-16-12	1.00	.75	2.50	2.95	.937	2.000	1.250	.560	1.250	.750	1.002	.406	3/8-16	214	3/8-16X2.00
W58-16-16U	W63-16-16	1.00	1.00	2.75	3.19	1.093	2.250	1.500	.630	1.560	.875	1.002	.492	7/16-14	219	7/16-14X2.50
W58-20-16U	W63-20-16	1.25	1.00	2.75	3.19	1.093	2.250	1.500	.630	1.560	1.000	1.252	.492	7/16-14	219	7/16-14X2.50
W58-20-20U	W63-20-20	1.25	1.25	3.06	3.75	1.250	2.625	1.500	.690	1.750	1.125	1.252	.531	1/2-13	222	1/2-13X2.50
W58-24-20U	W63-24-20	1.50	1.25	3.06	3.75	1.250	2.625	1.500	.690	1.750	1.250	1.502	.531	1/2-13	222	1/2-13X2.50
W58-24-24U	W63-24-24	1.50	1.50	3.75	4.44	1.437	3.125	1.750	.750	2.115	1.375	1.502	.656	5/8-11	225	5/8-11X3.00
W58-28-24U	W63-28-24	1.75	1.50	3.75	4.44	1.437	3.125	1.750	.750	2.115	1.500	1.752	.656	5/8-11	225	5/8-11X3.00
W58-32-32U	W63-32-32	2.00	2.00	4.50	5.25	1.750	3.812	1.750	.875	2.490	1.875	2.002	.781	3/4-10	228	3/4-10X3.00
W58-36-32U	W63-36-32	2.25	2.00	4.50	5.25	1.750	3.812	1.750	.875	2.490	2.000	2.252	.781	3/4-10	228	3/4-10X3.00

Kit (U)	Includes Mounting Hardware / O-Ring
Stainless Steel	Add "-SS" to end of the Part Number

DEEP SOCKET WELD PIPE



KIT (U) CODE 61 DEEP 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	M UNC-2B	MOUNTING HARDWARE	
																O-RING	SHCS
W31-8-8U	W3-8-8	.50	.50	1.81	2.13	.688	1.500	1.42	.63	1.000	.502	.855	.75	.344	5/16-18	210	5/16-18X1.25
W31-12-12U	W3-12-12	.75	.75	1.97	2.56	.875	1.875	1.42	.71	1.250	.752	1.062	.75	.406	3/8-16	214	3/8-16X1.50
W31-16-16U	W3-16-16	1.00	1.00	2.17	2.75	1.031	2.062	1.50	.71	1.560	1.002	1.328	.75	.406	3/8-16	219	3/8-16X1.50
W31-20-20U	W3-20-20	1.25	1.25	2.68	3.12	1.188	2.312	1.61	.83	1.750	1.252	1.672	.87	.469	7/16-14	222	7/16-14X1.75
W31-24-24U	W3-24-24	1.50	1.50	3.07	3.66	1.406	2.750	1.77	.98	2.115	1.502	1.922	.94	.531	1/2-13	225	1/2-13X1.75
W31-32-32U	W3-32-32	2.00	2.00	3.54	4.00	1.688	3.062	1.77	.98	2.490	2.002	2.406	1.02	.531	1/2-13	228	1/2-13X1.75
W31-40-40U	W3-40-40	2.50	2.50	4.09	4.49	2.000	3.500	1.97	.98	2.995	2.502	2.908	1.18	.531	1/2-13	232	1/2-13X1.75
W31-48-48U	W3-48-48	3.00	3.00	4.88	5.28	2.438	4.188	1.97	1.06	3.615	3.002	3.547	1.34	.656	5/8-11	237	5/8-11X2.00

KIT (U) CODE 62 DEEP 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	M UNC-2B	MOUNTING HARDWARE	
																O-RING	SHCS
W81-8-8U	W80-8-8	.50	.50	1.81	2.21	.718	1.594	1.42	.63	1.000	.502	.855	.75	.344	5/16-18	210	5/16-18X1.25
W81-12-12U	W80-12-12	.75	.75	2.17	2.80	.937	2.000	1.38	.83	1.250	.752	1.062	.87	.406	3/8-16	214	3/8-16X1.50
W81-16-16U	W80-16-16	1.00	1.00	2.56	3.19	1.093	2.250	1.65	.98	1.560	1.002	1.328	.87	.492	7/16-14	219	7/16-14X1.75
W81-20-20U	W80-20-20	1.25	1.25	3.07	3.75	1.250	2.625	1.77	1.06	1.750	1.252	1.672	.98	.531	1/2-13	222	1/2-13X1.75
W81-24-24U	W80-24-24	1.50	1.50	3.70	4.41	1.437	3.125	1.97	1.18	2.115	1.502	1.922	1.10	.656	5/8-11	225	5/8-11X2.25
W81-32-32U	W80-32-32	2.00	2.00	4.50	5.28	1.750	3.812	2.56	1.46	2.490	2.002	2.406	.94	.781	3/4-10	228	3/4-10X2.75

Kit (U)	Includes Mounting Hardware / O-Ring
Stainless Steel	Add "-SS" to end of the Part Number

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DEEP SOCKET WELD TUBE

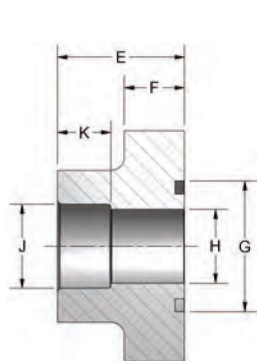


Figure 1

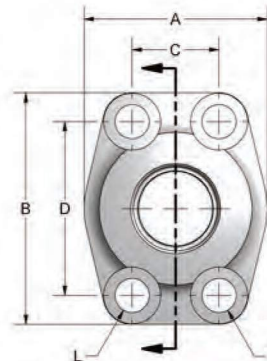


FIG. 1

FIG. 2

* No Spotface

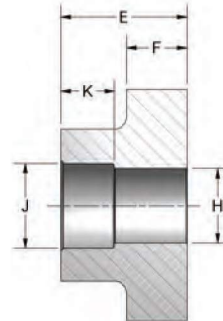


Figure 2

KIT (U)		CODE 61 DEEP SOCKET WELD - TUBE																
PART NO. O-RING FIG. 1	PART NO. FLAT FACE FIG. 2	TUBE SIZE	PAD SIZE	A	B	C	D	E	F	G	H	J	K	L	M UNC-2B	MOUNTING HARDWARE		
																O-RING	SHCS	
W51-12-12U	W5-12-12	.75	.75	1.97	2.56	.875	1.875	1.42	.71	1.250	.625	.752	.560	.406	3/8-16	214	3/8-16X1.50	
W51-16-12U	W5-16-12	1.00	.75	1.97	2.56	.875	1.875	1.42	.71	1.250	.750	1.002	.560	.406	3/8-16	214	3/8-16X1.50	
W51-16-16U	W5-16-16	1.00	1.00	2.17	2.75	1.031	2.062	1.50	.71	1.560	.875	1.002	.630	.406	3/8-16	219	3/8-16X1.50	
W51-20-16U	W5-20-16	1.25	1.00	2.17	2.75	1.031	2.062	1.50	.71	1.560	1.000	1.252	.630	.406	3/8-16	219	3/8-16X1.50	
W51-20-20U	W5-20-20	1.25	1.25	2.68	3.12	1.188	2.312	1.61	.83	1.750	1.125	1.252	.690	.469	7/16-14	222	7/16-14X1.75	
W51-24-20U	W5-24-20	1.50	1.25	2.68	3.12	1.188	2.312	1.61	.83	1.750	1.250	1.502	.690	.469	7/16-14	222	7/16-14X1.75	
W51-24-24U	W5-24-24	1.50	1.50	3.07	3.66	1.406	2.750	1.77	.98	2.115	1.375	1.502	.750	.531	1/2-13	225	1/2-13X1.75	
W51-28-24U	W5-28-24	1.75	1.50	3.07	3.66	1.406	2.750	1.77	.98	2.115	1.500	1.752	.750	.531	1/2-13	225	1/2-13X1.75	
W51-32-32U	W5-32-32	2.00	2.00	3.54	4.00	1.688	3.062	1.77	.98	2.490	1.875	2.002	.870	.531	1/2-13	228	1/2-13X1.75	
W51-36-32U	W5-36-32	2.25	2.00	3.54	4.00	1.688	3.062	1.77	.98	2.490	2.000	2.252	.870	.531	1/2-13	228	1/2-13X1.75	
W51-40-40U	W5-40-40	2.50	2.50	4.09	4.49	2.000	3.500	1.97	.98	2.995	2.375	2.502	1.000	.531	1/2-13	232	1/2-13X1.75	
W51-44-40U	W5-44-40	2.75	2.50	4.09	4.49	2.000	3.500	1.97	.98	2.995	2.500	2.752	1.000	.531	1/2-13	232	1/2-13X1.75	

Kit (U)	Includes Mounting Hardware / O-Ring
Stainless Steel	Add "-SS" to end of the Part Number

BUNA-N O-RING

All measurements are in inches.

90 DUROMETER BUNA-N O-RING			
O-RING	SIZE	A	B
2-210	0.50	0.75	0.125
2-214	0.75	1.00	0.125
2-219	1.00	1.31	0.125
2-222	1.25	1.50	0.125
2-225	1.50	1.88	0.125
2-228	2.00	2.25	0.125
2-232	2.50	2.75	0.125
2-237	3.00	3.38	0.125
2-241	3.50	3.88	0.125
2-245	4.00	4.38	0.125
2-253	5.00	5.38	0.125

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in Viton

