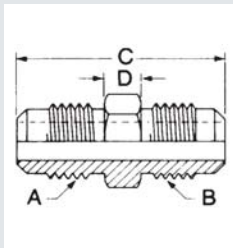
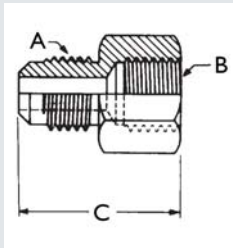


Half Union - Flare to NPTFE



Union- Flare to Flare



Half Union - Flare to NPTFI

**Half Union - Flare to NPTFE**

Cat Number	Part Number	A (in)	B (in)	C (in)	D (in)	E (in)	Hex	Box Qty	Wt(lb)
		Flare	NPTFE						
U1-3A	A 01117	3/16	1/8	1.00	0.38	0.19	7/16	15	0.025
U1-4A	A 00330	1/4	1/8	1.06	0.38	0.19	7/16	25	0.028
U1-4B	A 04585	1/4	1/4	1.25	0.56	0.19	9/16	25	0.047
U1-4C	A 01197	1/4	3/8	1.31	0.56	0.25	11/16	25	0.071
U1-4D	A 04628	1/4	1/2	1.56	0.75	0.31	7/8	25	0.114
U1-5A	A 00331	5/16	1/8	1.16	0.38	0.31	1/2	25	0.040
U1-5B	A 05036	5/16	1/4	1.34	0.56	0.22	9/16	25	0.055
U1-5C	A 01198	5/16	3/8	1.38	0.56	0.25	11/16	25	0.075
U1-6A	A 05003	3/8	1/8	1.25	0.38	0.25	5/8	25	0.065
U1-6B	A 00332	3/8	1/4	1.44	0.56	0.25	5/8	25	0.075
U1-6C	A 01199	3/8	3/8	1.44	0.56	0.25	11/16	25	0.090
U1-6D	A 04993	3/8	1/2	1.69	0.75	0.31	7/8	25	0.135
U1-8A	A 05034	1/2	1/8	1.44	0.38	0.31	3/4	10	0.094
U1-8B	A 04439	1/2	1/4	1.63	0.56	0.31	3/4	10	0.108
U1-8C	A 00334	1/2	3/8	1.63	0.56	0.31	3/4	10	0.119
U1-8D	A 04780	1/2	1/2	1.81	0.75	0.31	7/8	10	0.155
U1-8E	A 05066	1/2	3/4	1.94	0.75	0.44	1 1/16	10	0.228
U1-10B	A 05035	5/8	1/4	1.81	0.56	0.38	7/8	10	0.155
U1-10C	A 01195	5/8	3/8	1.81	0.56	0.38	7/8	10	0.168
U1-10D	A 04540	5/8	1/2	2.00	0.75	0.38	7/8	10	0.180
U1-10E	A 04827	5/8	3/4	2.06	0.75	0.44	1 1/16	5	0.250
U1-12C	A 05005	3/4	3/8	2.00	0.56	0.44	1 1/16	10	0.265
U1-12D	A 04739	3/4	1/2	2.19	0.75	0.44	1 1/16	5	0.286
U1-12E	A 04740	3/4	3/4	2.19	0.75	0.44	1 1/16	5	0.290

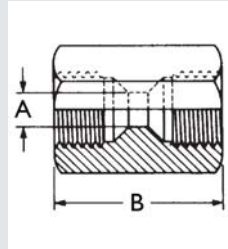
**Unions - Flare to Flare**

Cat Number	Part Number	A (in)	B (in)	C (in)	D (in)	E (in)	Hex	Box Qty	Wt(lb)
		Flare	Flare						
U2-4	A 00325	1/4	1/4	1.19	0.19		7/16	25	0.026
U2-5	A 00326	5/16	5/16	1.34	0.22		1/2	25	0.050
U2-6	A 00327	3/8	3/8	1.50	0.25		5/8	25	0.092
U2-8	A 00329	1/2	1/2	1.81	0.31		3/4	15	0.141
U2-10	A 04845	5/8	5/8	2.13	0.38		7/8	10	0.215
U2-12	A 04733	3/4	3/4	2.44	0.44		1 1/16	10	0.368

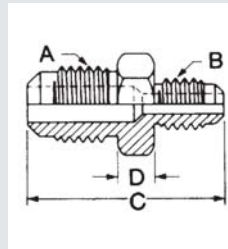
**Half Union - Flare to NPTFI**

Cat Number	Part Number	A (in)	B (in)	C (in)	D (in)	E (in)	Hex	Box Qty	Wt(lb)
		Flare	NPTFI						
U3-4A	A 04622	1/4	1/8	1.03			9/16	25	0.042
U3-4B	A 04625	1/4	1/4	1.25			11/16	25	0.065
U3-4C	A 04961	1/4	3/8	1.28			13/16	15	0.081
U3-6A	A 04927	3/8	1/8	1.13			5/8	10	0.065
U3-6B	A 04624	3/8	1/4	1.31			11/16	25	0.083
U3-6C	A 04627	3/8	3/8	1.38			13/16	15	0.100
U3-6D	A 08104	3/8	1/2	1.63			1	15	0.163
U3-8B	A 04928	1/2	1/4	1.41			3/4	15	0.112
U3-8C	A 04727	1/2	3/8	1.50			13/16	15	0.115
U3-8D	A 04728	1/2	1/2	1.75			1	15	0.181
U3-10C	A 04929	5/8	3/8	1.59			7/8	10	0.160
U3-10D	A 04819	5/8	1/2	1.81			1	10	0.195
U3-10E	A 04977	5/8	3/4	1.91			1 1/4	10	0.286

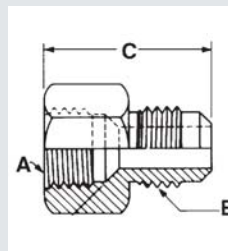
\* 2 Gaskets Furnished



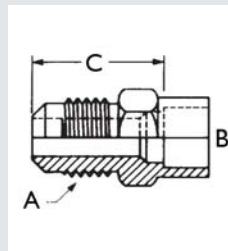
**Internal Flare Union**



**Reducing Unions - FI to FI**



**Internal FI to External FI**



**Half Union - Ext FI to Solder**

**Internal Flare Unions**

Cat Number	Part Number	A (in)	B (in)	C (in)	D (in)	E (in)	Hex	Box Qty	Wt(lb)
Flare									
U4-4	A 00385	*	1/4	1.00			5/8	10	0.065
U4-6	A 00386	*	3/8	1.25			13/16	10	0.118
U4-8	A 00387	*	1/2	1.44			15/16	10	0.175

**Reducing Unions - Flare to Flare**

Cat Number	Part Number	A (in)	B (in)	C (in)	D (in)	E (in)	Hex	Box Qty	Wt(lb)
Flare      Flare									
UR2-43	A 05270	1/4	3/16	1.13	0.19		7/16	15	0.030
UR2-54	A 08730	5/16	1/4	1.28	0.22		1/2	10	0.046
UR2-64	A 01171	3/8	1/4	1.38	0.25		5/8	15	0.072
UR2-65	A 04981	3/8	5/16	1.44	0.25		5/8	10	0.078
UR2-84	A 00356	1/2	1/4	1.56	0.31		3/4	15	0.100
UR2-86	A 00149	1/2	3/8	1.69	0.31		3/4	25	0.127
UR2-106	A 05334	5/8	3/8	1.88	0.38		7/8	10	0.175
UR2-108	A 04846	5/8	1/2	2.00	0.38		7/8	15	0.192
UR2-128	A 04734	3/4	1/2	2.19	0.44		1 1/16	10	0.290
UR2-1210	A 04784	3/4	5/8	2.31	0.44		1 1/16	10	0.332

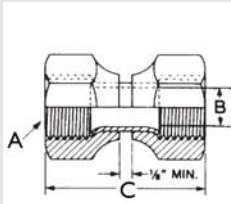
**Internal Flare to External Flare**

Cat Number	Part Number	A (in)	B (in)	C (in)	D (in)	E (in)	Hex	Box Qty	Wt(lb)
Flare      Flare									
UR3-43	A 05147	1/4	3/16	1.03			5/8	10	0.047
UR3-46	A 05041	1/4	3/8	1.13			5/8	15	0.070
UR3-48	A 08127	1/4	1/2	1.25			3/4	10	0.112
UR3-64	A 00479	3/8	1/4	1.22			13/16	15	0.078
UR3-68	A 04888	3/8	1/2	1.41			13/16	15	0.110
UR3-84	A 00480	1/2	1/4	1.38			15/16	15	0.107
UR3-86	A 00481	1/2	3/8	1.44			15/16	15	0.120
UR3-108	A 04770	5/8	1/2	1.69			1 1/16	10	0.180
UR3-810	A 04879	1/2	5/8	1.63			15/16	10	0.169
UR3-1012	A 04878	5/8	3/4	1.91			1 1/16	10	0.265
UR3-1210	A 04826	3/4	5/8	1.97			1 5/16	10	0.241

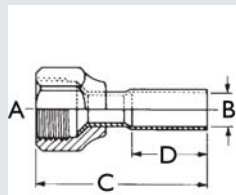
**Half Union - External Flare to Solder**

Cat Number	Part Number	A (in)	B (in)	C (in)	D (in)	E (in)	Hex	Box Qty	Wt(lb)
Flare      OD									
US3-44	A 03431	1/4	1/4	0.69			7/16	50	0.025
US3-45	A 03466	1/4	5/16	0.69			7/16	25	0.023
US3-46	A 03494	1/4	3/8	0.69			1/2	25	0.029
US3-64	A 03443	3/8	1/4	0.88			5/8	25	0.070
US3-65	A 03464	3/8	5/16	0.88			5/8	25	0.061
US3-66	A 03492	3/8	3/8	0.88			5/8	25	0.063
US3-68	A 03547	3/8	1/2	0.88			5/8	10	0.062
US3-86	A 03504	1/2	3/8	1.06			3/4	25	0.112
US3-88	A 03546	1/2	1/2	1.06			3/4	15	0.096
US3-108	A 03519	5/8	1/2	1.25			7/8	10	0.160
US3-610	A 06601	3/8	5/8	0.88			3/4	10	0.075
US3-810	A 02259	1/2	5/8	1.06			3/4	10	0.100
US3-1010	A 02258	5/8	5/8	1.25			7/8	10	0.155
US3-1012	A 02272	5/8	3/4	1.25			7/8	10	0.150
US3-1014	A 02378	5/8	7/8	1.25			1	10	0.166
US3-1212	A 05307	3/4	3/4	1.44			1 1/16	5	0.246
US3-1214	A 05425	3/4	7/8	1.31			1 1/16	5	0.249

\* 2 Gaskets Furnished



**Internal FI Swivel Unions**



**Internal FI to Extension Solder**

### Internal Flare Swivel Unions

Cat Number	Part Number	A (in) Flare	B (in)	C (in)	D (in)	E (in)	Hex	Box Qty	Wt(lb)
US4-4	A 13563	1/4	0.19	1.38			5/8	15	0.353
US4-5	A 13564	5/16	0.25	1.44			11/16	15	0.085
US4-6	A 13565	3/8	0.31	1.56			13/16	15	0.120
US4-8	A 13567	1/2	0.44	1.81			15/16	15	0.175
US4-10	A 13568	5/8	0.56	2.06			1 1/16	15	0.255

### Internal Flare Swivel Unions, JIS Class II

Cat Number	Part Number	A (in) Female Flare	B (in) OD	C (in)	D (in)	E (in)	Hex	Box Qty	Wt(lb)
	A 13563H	1/4	0.19	1.38			5/8	15	0.091
	A 13565H	3/8	0.31	1.56			13/16	15	0.176
	A 13567H	1/2	0.44	1.81			15/16	15	0.290
	A 13568H	5/8	0.56	2.06			1 1/16	15	0.409

### Internal Flare to Extension Solder

Cat Number	Part Number	A (in)	B (in)	C (in)	D (in)	E (in)	Hex	Box Qty	Wt(lb)
US5-44	A 15725	1/4	1/4	1.60	0.81		5/8	25	0.043
US5-66	A 15726	3/8	3/8	1.71	0.81		13/16	25	0.070
US5-88	A 15727	1/2	1/2	1.98	0.88		15/16	20	0.104
US5-1010	A 15728	5/8	5/8	2.29	1.00		1 1/16	10	0.155
US5-1212	A 15729	3/4	3/4	2.85	1.25		1 5/16	10	0.310

### Internal Flare to Extension Solder, JIS Class II

Cat Number	Part Number	A (in) Female Flare	B (in) ODS	C (in)	D (in)	E (in)	Hex	Box Qty	Wt(lb)
	A 15725H	1/4	1/4	1.60	0.81		5/8	25	0.050
	A 15726H	3/8	3/8	1.71	0.81		13/16	20	0.098
	A 15727H	1/2	1/2	1.98	0.88		15/16	20	0.157
	A 15728H	5/8	5/8	2.29	1.00		1 1/16	10	0.215
	A 15729H	3/4	3/4	2.85	1.25		1 5/16	10	0.050