

### COPPER FLARE SEAL BONNETS



Unv Part	Part	Size	Box	Wt	List
B1-3	A 04737	3/16	25	0.001	1.95
B1-4	A 00414	1/4	100	0.001	0.53
B1-5	A 04935	5/16	50	0.004	0.95
B1-6	A 00415	3/8	100	0.004	0.53
B1-8	A 00416	1/2	100	0.007	0.80
B1-10	A 00485	5/8	20	0.010	3.48
B1-12	A 04738	3/4	25	0.015	1.78

### COPPER FLARE GASKETS



Unv Part	Part	Size	Box	Wt	List
B2-4	A 00401	1/4	100	0.001	0.25
B2-5	A 04811	5/16	50	0.001	0.83
B2-6	A 00402	3/8	100	0.002	0.43
B2-8	A 00403	1/2	100	0.002	0.45
B2-10	A 05186	5/8	50	0.003	0.48
B2-12	A 04822	3/4	25	0.004	1.38

### 90° ELBOWS



#### Half Union Flare to NPTFE

Unv Part	Part	Size	Box	Wt	List
E1-4A	A 00335	1/4 x 1/8	25	0.046	2.85
E1-4B	A 04890	1/4 x 1/4	25	0.055	2.85
E1-4C	A 04812	1/4 x 3/8	25	0.082	3.58
E1-6A	A 04937	3/8 x 1/8	25	0.080	2.85
E1-6B	A 00337	3/8 x 1/4	25	0.077	3.58
E1-6C	A 04889	3/8 x 3/8	25	0.108	3.58
E1-6D	A 04886	3/8 x 1/2	25	0.160	5.18
E1-8B	A 05044	1/2 x 1/4	10	0.135	4.68
E1-8C	A 00339	1/2 x 3/8	15	0.140	5.15
E1-8D	A 04887	1/2 x 1/2	15	0.180	5.43
E1-8E	A 05072	1/2 x 3/4	10	0.231	8.86
E1-10C	A 04856	5/8 x 3/8	10	0.225	2.60
E1-10D	A 04538	5/8 x 1/2	10	0.240	8.86
E1-10E	A 05054	5/8 x 3/4	10	0.255	10.86
E1-12D	A 04776	3/4 x 1/2	10	0.320	12.88
E1-12E	A 04746	3/4 x 3/4	10	0.336	14.43

### 90° ELBOWS



#### Union - Flare to Flare

Unv Part	Part	Size	Box	Wt	List
E2-4	A 00147	1/4	25	0.074	3.40
E2-6	A 00146	3/8	25	0.095	4.80
E2-8	A 00145	1/2	15	0.150	4.60
E2-10	A 04539	5/8	10	0.250	7.73
E2-12	A 04745	3/4	5	0.365	14.88

### 90° ELBOWS



#### External Flare to NPTFI

Unv Part	Part	Size	Box	Wt	List
E3-4A	A 04630	1/4 x 1/8	25	0.050	2.85
E3-4B	A 05007	1/4 x 1/4	25	0.140	5.54

### 90° ELBOWS

#### External Flare to Internal Flare 1 Soft Copper Gasket Furnished With Each Part



Unv Part	Part	Size	Box	Wt	List
E4-44	A 04898	1/4 x 1/4	25	0.065	3.40
E4-66	A 08082	3/8 x 3/8	25	0.170	3.60

### 90° SOLDER ELBOWS



#### Half Union - Flare to Solder

Unv Part	Part	Size	Box	Wt	List
ES2-44	A 03449	1/4 x 1/4	25	0.035	2.85
ES2-66	A 03511	3/8 x 3/8	20	0.081	3.71
ES2-88	A 07851	1/2 x 1/2	10	0.120	7.59
ES2-1010	A 06611	5/8 x 5/8	10	0.205	24.54

### 90° SWIVEL ELBOWS



#### External Flare to Internal Flare

Unv Part	Part	Size	Box	Wt	List
ES4-44	A 15940	1/4 x 1/4	4	0.103	7.78
ES4-66	A 15941	3/8 x 3/8	4	0.133	8.67
ES4-88	A 15943	1/2 x 1/2	4	0.202	15.04

### FUSIBLE PIPE PLUGS



Unv Part	Part	Size	Melting Temp	Box	Wt	List
FP-A	A 14058	1/8	283°F	10	0.022	2.85
FP-B	A 14059	1/4	283°F	15	0.035	4.90
FP-C	A 14060	3/8	283°F	15	0.084	6.93
FP-A	A 14017	1/8	210°F	10	0.024	2.94
FP-B	A 14018	1/4	210°F	15	0.054	4.90
FP-C	A 14021	3/8	210°F	15	0.090	6.95
FP-A	A 15214	1/8	168°F	10	0.024	2.69
FP-B	A 14019	1/4	168°F	15	0.054	4.88
FP-C	A 14022	3/8	168°F	15	0.095	7.17

### FUSIBLE CONNECTORS



#### Half Union - Flare to NPTFE

Unv Part	Part	Size	Melting Temp	Box	Wt	List
FU-4B	A 14062	1/4 x 1/4	283°F	10	0.047	5.07
FU-6C	A 14064	3/8 x 3/8	283°F	10	0.126	7.17
FU-4B	A 14023	1/4 x 1/4	210°F	10	0.057	5.26
FU-4C	A 14025	1/4 x 3/8	210°F	10	0.101	7.17
FU-6C	A 14026	3/8 x 3/8	210°F	10	0.122	7.17
FU-4B	A 14024	1/4 x 1/4	168°F	10	0.048	4.71
FU-6C	A 14027	3/8 x 3/8	168°F	10	0.098	7.04

### REFRIGERANT DRUM ADAPTERS

#### Flare to Internal Straight Pipe (NPSM) Furnished with Gasket



Unv Part	Part	Size	Box	Wt	List
K1-1	A 08073	1/4 x 3/4	10	0.159	5.37
K1-3	A 08274	3/8 x 3/4	10	0.187	4.28
K1-5	A 08276	1/2 x 3/4	10	0.194	12.02
K1-8	A 08166	1/4 x 1/2	10	0.148	12.47

### LONG FORGED NUTS\*



Unv Part	Part	Size	Box	Wt	List
N4-4	A 00440	1/4	25	0.048	1.78
N4-6	A 00441	3/8	25	0.075	2.33
N4-8	A 00442	1/2	10	0.108	2.83
N4-10	A 01112	5/8	5	0.185	8.64
N4-12	A 04731	3/4	5	0.345	11.08

### FLARE SEAL CAPS



Unv Part	Part	Size	Box	Wt	List
N5-4	A 04544	1/4	50	0.030	0.55
N5-5	A 04758	5/16	25	0.027	1.80
N5-6	A 04545	3/8	25	0.050	1.00
N5-8	A 04546	1/2	25	0.069	1.23
N5-10	A 04560	5/8	10	0.137	1.80
N5-12	A 04951	3/4	10	0.221	5.51

### FLARE SEAL CAPS



#### Finger Tightening Neoprene Seal Gasket

Unv Part	Part	Size	Box	Wt	List
NFT5-4	A 16447	1/4	2000	0.015	0.70
NFT5-6	A 16448	3/8	1400	0.038	1.65

### SHORT FORGED REDUCING NUTS



Unv Part	Part	Size	Box	Wt	List
NRS4-43	A 05132	1/4	10	0.027	3.50
NRS4-54	A 05247	5/16	10	0.055	7.15
NRS4-64	A 05140	3/8	25	0.060	1.58
NRS4-65	A 05282	3/8	10	0.027	5.57
NRS4-86	A 05141	1/2	15	0.094	2.78
NRS4-108	A 05228	5/8	15	0.125	3.03

### SHORT FORGED NUTS



Unv Part	Part	Size	Box	Wt	List
NS4-3	A 05238	3/16	50	0.024	3.58
NS4-4	A 05051	1/4	50	0.035	1.05
NS4-5	A 05239	5/16	25	0.040	2.73
NS4-6	A 05052	3/8	25	0.052	1.40
NS4-8	A 05053	1/2	15	0.084	2.08
NS4-10	A 05157	5/8	10	0.120	2.95
NS4-12	A 05222	3/4	10	0.235	5.29

### FLARE PLUGS



Unv Part	Part	Size	Box	Wt	List
P2-3	A 05045	3/16	15	0.016	1.08
P2-4	A 00121	1/4	25	0.022	0.73
P2-5	A 00124	5/16	15	0.034	4.28
P2-6	A 00122	3/8	25	0.059	1.20
P2-8	A 00123	1/2	25	0.095	1.48
P2-10	A 04536	5/8	15	0.137	4.00
P2-12	A 04757	3/4	10	0.225	4.73

### PIPE PLUGS



#### Brass

Unv Part	Part	Size	Box	Wt	List
P3-A	A 00250	1/8	50	0.030	0.55
P3-B	A 00249	1/4	50	0.048	1.05
P3-C	A 00425	3/8	25	0.058	2.45
P3-D	A 04759	1/2	25	0.108	2.20
P3-E	A 05004	3/4	10	0.209	4.71

# Brass Flare Fittings & Flanges

## BUSHINGS

External Pipe Thread to Internal Pipe Thread



Unv Part	Part	Size	Box	Wt	List
R1-AB	A 08756	1/8 x 1/4	25	0.054	4.28
R1-BA	A 00630	1/4 x 1/8	25	0.020	0.68
R1-CB	A 00631	3/8 x 1/4	25	0.034	3.73
R1-DB	A 00492	1/2 x 1/4	25	0.080	4.05
R1-DC	A 00632	1/2 x 3/8	25	0.051	4.05
R1-EC	A 00493	3/4 x 3/8	10	0.111	3.40
R1-ED	A 00633	3/4 x 1/2	10	0.092	4.98

## TWO-WAY TEES



Unv Part	Part	Size	Box	Wt	List
T1-4A	A 00345	1/4 x 1/4 x 1/8	25	0.066	3.48
T1-4B	A 04859	1/4 x 1/4 x 1/4	25	0.103	3.48
T1-4C	A 04771	1/4 x 1/4 x 3/8	15	0.116	4.98
T1-6B	A 00347	3/8 x 3/8 x 1/4	25	0.120	4.43
T1-6C	A 04922	3/8 x 3/8 x 3/8	15	0.145	4.53
T1-8C	A 00349	1/2 x 1/2 x 3/8	15	0.191	2.29

## THREE-WAY TEES



Unv Part	Part	Size	Box	Wt	List
T2-4	A 00340	1/4	25	0.065	2.85
T2-6	A 00342	3/8	15	0.143	3.95
T2-8	A 00344	1/2	15	0.196	8.17
T2-12	A 04749	3/4	5	0.502	20.97

## RIGHT ANGLE TWO-WAY TEES



Unv Part	Part	Size	Box	Wt	List
T3-4A	A 00127	1/4 x 1/8 x 1/4	25	0.070	2.70
T3-4B	A 04998	1/4 x 1/4 x 1/4	25	0.088	4.45
T3-6B	A 00133	3/8 x 1/4 x 3/8	25	0.130	4.73
T3-6C	A 04941	3/8 x 3/8 x 3/8	25	0.140	5.43
T3-8C	A 04778	1/2 x 3/8 x 1/2	15	0.182	10.42

## THREE-WAY TEES

Internal Branch  
1 Soft Copper Gasket Furnished  
With Each Part



Unv Part	Part	Size	Box	Wt	List
T6-4	A 06330	1/4 x 1/4 x 1/4	25	0.085	3.58

## REDUCING 3-WAY TEES



Unv Part	Part	Size	Box	Wt	List
TR2-46	A 04994	1/4 x 1/4 x 3/8	25	0.114	4.43
TR2-64	A 04574	3/8 x 3/8 x 1/4	25	0.134	4.43
TR2-68	A 04547	3/8 x 3/8 x 1/2	15	0.194	8.70
TR2-86	A 04559	1/2 x 1/2 x 3/8	15	0.191	7.48

## CONNECTORS, HALF UNION

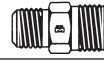


Flare to NPTFI

Unv Part	Part	Size	Box	Wt	List
U3-4A	A 04622	1/4 x 1/8	25	0.042	0.95
U3-4B	A 04625	1/4 x 1/4	25	0.065	1.33
U3-4C	A 04961	1/4 x 3/8	15	0.081	2.99
U3-6A	A 04927	3/8 x 1/8	10	0.103	3.20
U3-6B	A 04624	3/8 x 1/4	25	0.083	1.33
U3-6C	A 04627	3/8 x 3/8	15	0.100	2.91
U3-6D	A 08104	3/8 x 1/2	15	0.163	4.10
U3-8B	A 04928	1/2 x 1/4	15	0.112	5.01
U3-8C	A 04727	1/2 x 3/8	15	0.119	1.90
U3-8D	A 04728	1/2 x 1/2	15	0.181	4.57
U3-10C	A 04929	5/8 x 3/8	10	0.160	4.28
U3-10D	A 04819	5/8 x 1/2	10	0.267	2.50
U3-10E	A 04977	5/8 x 3/4	10	0.286	6.48

## CONNECTORS

Half Union - Flare to NPTFE



Unv Part	Part	Size	Box	Wt	List
U1-3A	A 01117	3/16 x 1/8	15	0.025	1.52
U1-4A	A 00330	1/4 x 1/8	25	0.030	1.20
U1-4B	A 04585	1/4 x 1/4	25	0.047	1.28
U1-4C	A 01197	1/4 x 3/8	25	0.071	1.50
U1-4D	A 04628	1/4 x 1/2	25	0.114	2.00
U1-5A	A 00331	5/16 x 1/8	25	0.040	2.68
U1-5B	A 05036	5/16 x 1/4	25	0.055	4.45
U1-5C	A 01198	5/16 x 3/8	25	0.075	3.40
U1-6A	A 05003	3/8 x 1/8	25	0.065	1.48
U1-6B	A 00332	3/8 x 1/4	25	0.075	1.48
U1-6C	A 01199	3/8 x 3/8	25	0.090	1.50
U1-6D	A 04993	3/8 x 1/2	25	0.135	2.05
U1-8A	A 05034	1/2 x 1/8	10	0.094	2.83
U1-8B	A 04439	1/2 x 1/4	10	0.108	4.38
U1-8C	A 00334	1/2 x 3/8	10	0.119	1.83
U1-8E	A 05066	1/2 x 3/4	10	0.228	4.71
U1-10B	A 05035	5/8 x 1/4	10	0.155	4.82
U1-10C	A 01195	5/8 x 3/8	10	0.168	4.00
U1-10D	A 04540	5/8 x 1/2	10	0.189	2.53
U1-10E	A 04827	5/8 x 3/4	5	0.250	3.25
U1-12C	A 05005	3/4 x 3/8	10	0.265	7.12
U1-12D	A 04739	3/4 x 1/2	5	0.286	8.03
U1-12E	A 04740	3/4 x 3/4	5	0.316	7.59

## UNIONS

Flare to Flare



Unv Part	Part	Size	Box	Wt	List
U2-4	A 00325	1/4	25	0.026	1.13
U2-5	A 00326	5/16	25	0.050	2.05
U2-6	A 00327	3/8	25	0.092	1.28
U2-8	A 00329	1/2	15	0.141	1.65
U2-10	A 04845	5/8	10	0.215	2.75
U2-12	A 04733	3/4	10	0.368	7.48

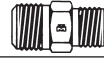
## INTERNAL FLARE UNIONS



Unv Part	Part	Size	Box	Wt	List
U4-4	A 00385	1/4	10	0.065	3.00
U4-6	A 00386	3/8	10	0.118	6.34
U4-8	A 00387	1/2	10	0.175	5.73

## REDUCING UNIONS

Flare to Flare



Unv Part	Part	Size	Box	Wt	List
UR2-43	A 05270	1/4 x 3/16	15	0.030	3.43
UR2-54	A 08730	5/16 x 1/4	10	0.046	4.03
UR2-64	A 01171	3/8 x 1/4	15	0.072	1.78
UR2-65	A 04981	3/8 x 5/16	10	0.078	3.99
UR2-84	A 00356	1/2 x 1/4	15	0.100	3.43
UR2-86	A 00149	1/2 x 3/8	25	0.127	4.50
UR2-106	A 05334	5/8 x 3/8	10	0.175	4.88
UR2-108	A 04846	5/8 x 1/2	15	0.192	4.65
UR2-128	A 04734	3/4 x 1/2	10	0.290	7.48
UR2-1210	A 04784	3/4 x 5/8	10	0.332	10.50

## UNIONS

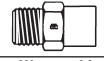
Internal Flare to External Flare  
1 Soft Copper Gasket Furnished  
With Each Part



Unv Part	Part	Size	Box	Wt	List
UR3-43	A 05147	1/4 x 3/16	10	0.047	7.40
UR3-46	A 05041	1/4 x 3/8	15	0.070	2.35
UR3-48	A 08127	1/4 x 1/2	10	0.112	3.80
UR3-64	A 00479	3/8 x 1/4	15	0.078	2.10
UR3-68	A 04888	3/8 x 1/2	15	0.120	6.00
UR3-84	A 00480	1/2 x 1/4	15	0.107	2.63
UR3-86	A 00481	1/2 x 3/8	15	0.120	2.93
UR3-810	A 04879	1/2 x 5/8	10	0.169	3.33
UR3-108	A 04770	5/8 x 1/2	10	0.180	6.09
UR3-1012	A 04878	5/8 x 3/4	10	0.265	4.98
UR3-1210	A 04826	3/4 x 5/8	10	0.241	6.01

## HALF UNION

External Flare to Solder



Unv Part	Part	Size	Box	Wt	List
US3-44	A 03431	1/4 x 1/4	25	0.025	0.78
US3-45	A 03466	1/4 x 5/16	25	0.023	2.03
US3-46	A 03494	1/4 x 3/8	25	0.029	4.15
US3-64	A 03443	3/8 x 1/4	25	0.070	1.86
US3-65	A 03464	3/8 x 5/16	25	0.061	4.45
US3-66	A 03492	3/8 x 3/8	25	0.063	1.63
US3-68	A 03547	3/8 x 1/2	10	0.062	3.73
US3-610	A 06601	3/8 x 5/8	10	0.075	6.01
US3-86	A 03504	1/2 x 3/8	25	0.112	4.45
US3-88	A 03546	1/2 x 1/2	15	0.096	1.55
US3-810	A 02259	1/2 x 5/8	10	0.100	4.65
US3-108	A 03519	5/8 x 1/2	10	0.160	4.54
US3-1010	A 02258	5/8 x 5/8	10	0.155	2.70
US3-1012	A 02272	5/8 x 3/4	10	0.150	10.97
US3-1014	A 02378	5/8 x 7/8	10	0.166	4.90
US3-1212	A 05307	3/4 x 3/4	5	0.246	3.25
US3-1214	A 05425	3/4 x 7/8	5	0.249	3.63

## SWIVEL UNIONS

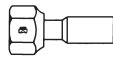
Internal Flare



Unv Part	Part	Size	Box	Wt	List
US4-4	A 13563	1/4	15	0.080	4.73
US4-5	A 13564	5/16	15	0.085	5.15
US4-6	A 13565	3/8	15	0.121	4.73
US4-8	A 13567	1/2	15	0.099	4.88
US4-10	A 13568	5/8	15	0.141	6.68

## EXTENSION

Internal Flare to Extension Solder



Unv Part	Part	Size	Box	Wt	List
US5-44	A 15725	1/4	25	0.042	1.91
US5-66	A 15726	3/8	25	0.060	3.91
US5-88	A 15727	1/2	20	0.104	4.40
US5-1010	A 15728	5/8	10	0.160	4.52
US5-1212	A 15729	3/4	10	0.318	8.03

## FLANGES

Forged Brass

2 Bolt-Hole  
Serrated Gasket Surface



Part	Size	Bolt Center	Box
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