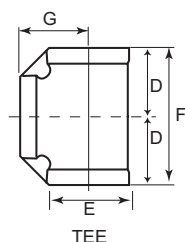
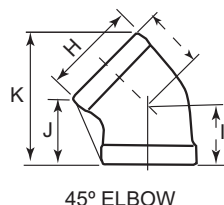


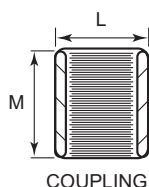
Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
A	0.527	0.614	0.730	0.845	1.000	1.187	1.750	1.937	2.250	2.687	3.062	3.812
B	1.055	1.229	1.460	1.690	2.000	2.375	3.500	3.874	4.500	5.374	6.124	7.624
C	0.715	0.850	1.020	1.200	1.460	1.765	2.240	2.540	3.070	3.580	4.130	—
Wt. Per Each	2 OZ.	3 OZ.	4 OZ.	5 OZ.	7 OZ.	10 OZ.	24 OZ.	32 OZ.	50 OZ.	67 OZ.	108 OZ.	179 OZ.



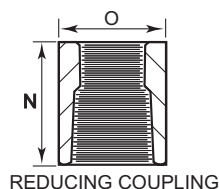
Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
D	0.690	0.813	0.950	1.120	1.302	1.500	1.750	1.937	2.250	2.687	3.062	3.812
E	0.700	0.855	1.019	1.205	1.460	1.775	2.240	2.540	3.070	3.580	4.190	—
F	1.381	1.626	1.900	2.240	2.605	3.000	3.500	3.874	4.500	5.374	6.124	7.624
G	0.517	0.617	0.722	0.850	1.020	1.187	1.750	1.930	2.240	2.720	3.070	3.813
Wt. Per Each	2 OZ.	3 OZ.	4 OZ.	6 OZ.	10 OZ.	15 OZ.	33 OZ.	38 OZ.	64 OZ.	112 OZ.	150 OZ.	248 OZ.



Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
H	0.700	0.840	1.015	1.195	1.475	1.765	2.070	2.360	2.870	3.500	4.170	—
I	0.595	0.655	0.755	0.810	0.915	1.015	1.312	1.437	1.687	1.937	2.187	2.625
J	0.835	0.955	1.030	1.065	1.185	1.270	—	—	—	—	—	—
K	1.310	1.530	1.715	1.895	2.185	2.480	—	—	—	—	—	—
Wt. Per Each	1 OZ.	2 OZ.	3 OZ.	4 OZ.	6 OZ.	9 OZ.	14 OZ.	17 OZ.	34 OZ.	64 OZ.	83 OZ.	151 OZ.

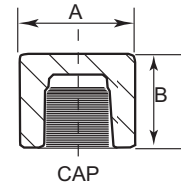


Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
L	.750	.750	.875	1.062	1.312	1.562	1.937	2.187	2.750	3.562	4.250	5.250
M	1.250	1.375	1.500	1.562	1.625	1.937	2.000	2.125	2.500	2.875	3.187	3.687
Wt. Per Each	1 OZ.	1 OZ.	1.5 OZ.	2.5 OZ.	4 OZ.	5 OZ.	8 OZ.	11 OZ.	23 OZ.	52 OZ.	73 OZ.	131 OZ.

[illegible]

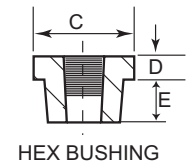
150 LB. CAP

Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
A	.750	.750	.875	1.062	1.312	1.562	1.937	2.187	2.750	3.562	4.312	5.375
B	.750	1.000	1.000	1.000	1.125	1.312	1.375	1.437	1.562	1.812	1.937	2.187
Wt. Per Each	—	1 OZ.	1.5 OZ.	2.5 OZ.	4 OZ.	6 OZ.	9.5 OZ.	12 OZ.	21 OZ.	34 OZ.	61 OZ.	104 OZ.



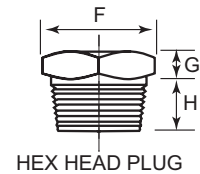
150 LB. HEX BUSHING

Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
C	—	.625	.687	.875	1.062	1.437	12.812	2.000	2.500	3.000	3.500	4.625
D	—	.125	.187	.187	.250	.250	.375	.375	.437	.500	.500	.500
E	—	.500	.562	.562	.750	.812	.875	.937	1.000	1.187	1.250	1.625
Wt. Per Each	—	—	—	—	—	—	—	—	—	—	—	—



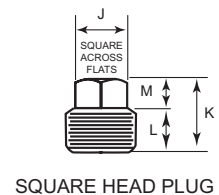
150 LB. HEX HEAD PLUG

Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
F	.437	.625	.687	.875	1.062	1.437	1.812	2.000	2.500	3.000	3.500	4.625
G	.250	.250	.312	.312	.375	.375	.562	.625	.687	.750	.812	1.250
H	.562	.625	.687	.750	.937	1.000	1.000	1.000	1.062	1.312	1.375	1.500
Wt. Per Each	1 OZ.	1.5 OZ.	2 OZ.	2.5 OZ.	4 OZ.	7.5 OZ.	15 OZ.	20 OZ.	41 OZ.	—	—	—



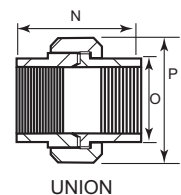
150 LB. SQUARE HEAD PLUG

Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
J	.281	.375	.437	.562	.625	.812	.937	1.125	1.312	1.500	1.687	1.750
K	.625	.687	.812	.937	1.187	1.375	1.499	1.562	1.687	1.874	2.125	2.187
L	.375	.437	.500	.562	.625	.750	.812	.812	.875	1.062	1.125	1.187
M	.250	.250	.312	.375	.562	.625	.687	.750	.812	.812	1.000	1.000
Wt. Per Each	—	.5 OZ.	1 OZ.	2 OZ.	3.5 OZ.	6 OZ.	10 OZ.	14 OZ.	22 OZ.	—	—	—



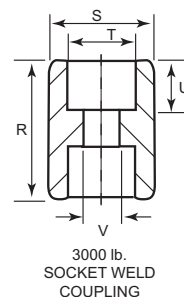
150 LB. UNION

Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
N	1.187	1.437	1.540	1.800	1.875	2.000	2.330	2.800	3.000	3.750	4.125	4.375
O	.625	.765	.906	1.020	1.312	1.500	1.910	2.220	2.656	3.120	3.906	5.125
P	1.000	1.125	1.312	1.500	1.800	2.000	2.500	2.970	3.630	4.375	5.375	6.750
Wt. Per Each	—	2.5 OZ.	4 OZ.	5 OZ.	9 OZ.	10 OZ.	16 OZ.	30 OZ.	35 OZ.	90 OZ.	147 OZ.	264 OZ.



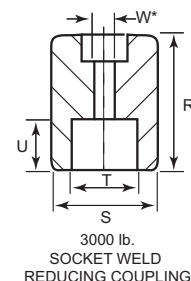
3000 LB. SOCKET WELD COUPLING

Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
R	r	1.000	1.125	1.375	1.500	1.750	1.875	2.000	2.500
S	—	.875	1.000	1.250	1.500	1.750	2.250	2.500	3.000
T	—	.555	.690	.855	1.065	1.330	1.675	1.915	2.406
U	—	.375	.438	.500	.563	.625	.688	.750	.875
V	—	.379	.508	.637	.839	1.064	1.395	1.625	2.082
Wt. Per Each	—	2 oz.	4 oz.	4 oz.	6 oz.	9 oz.	14 oz.	23 oz.	27 oz.



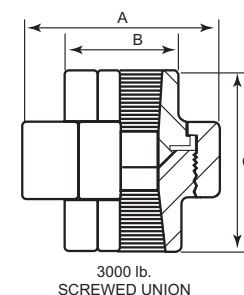
3000 LB. SOCKET WELD REDUCING COUPLING

Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
R	—	1.000	1.125	1.375	1.500	1.750	1.875	2.000	2.500
S	—	.875	1.000	1.250	1.500	1.750	2.250	2.500	3.000
T	—	.555	.690	.855	1.065	1.330	1.675	1.915	2.406
U	—	.375	.438	.500	.563	.625	.688	.750	.875
W*	*The I.D. of Reducing Coupling is that same size to which the reduction is made.								
Wt. Per Each	—	2 oz.	4 oz.	4 oz.	6 oz.	9 oz.	14 oz.	23 oz.	27 oz.



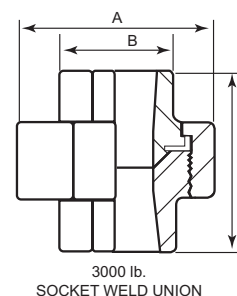
3000 LB. SCREWED UNION

Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
A	—	1.375	1.562	1.813	2.203	2.578	3.078	3.453	4.078
B	—	.765	.953	1.140	1.390	1.703	2.078	2.328	2.890
C	—	1.640	1.828	1.953	2.265	2.515	2.828	3.078	3.453
Wt. Per Each	—	8 oz.	8 oz.	13 oz.	21 oz.	28 oz.	40 oz.	56 oz.	84 oz.

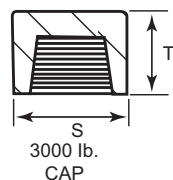


3000 LB. SOCKET WELD UNION

Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
A	—	Note: Same Dimensions as Screwed Union							
B	—								
C	—								
Wt. Per Each	—	9 oz.	9 oz.	11 oz.	20 oz.	27 oz.	39 oz.	55 oz.	82 oz.

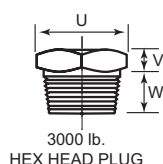


3000 LB. CAP



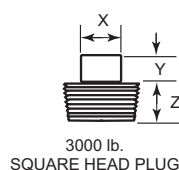
Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
S	.750	.750	.875	1.125	1.375	1.750	2.250	2.500	3.000
T	1.000	1.000	1.000	1.250	1.438	1.625	1.750	1.750	1.875
Wt. Per Each	.5 oz.	1 oz.	oz.	4 oz.	5 oz.	8 oz.	16 oz.	26 oz.	50 oz.

3000 LB. HEX HEAD PLUG



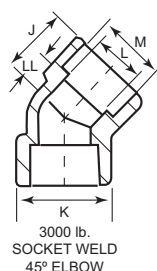
Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
U	.437	.625	.687	.875	1.062	1.437	1.812	2.000	2.500
V	.250	.250	.312	.312	.375	.375	.562	.625	.687
W	.562	.625	.687	.750	.937	1.000	1.000	1.000	1.062
Wt. Per Each	1 oz.	1.5 oz.	2 oz.	2.5 oz.	4 oz.	7.5 oz.	15 oz.	20 oz.	41 oz.

3000 LB. SQUARE HEAD PLUG



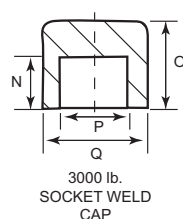
Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
X	.281	.375	.437	.562	.625	.812	.937	1.125	1.312
Y	.250	.250	.312	.375	.562	.625	.637	.750	.812
Z	.625	.687	.812	.937	1.187	1.375	1.499	1.562	1.687
Wt. Per Each	.5 oz.	.5 oz.	1 oz.	2 oz.	3.5 oz.	6 oz.	10 oz.	14 oz.	22 oz.

3000 LB. SOCKET WELD 45° ELBOW



Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
J	—	.688	.750	.938	1.062	1.188	1.250	1.563	1.875
K	—	.875	1.000	1.312	1.500	1.812	2.188	2.438	2.969
LL	—	.313	.313	.438	.500	.563	.688	.813	1.000
Wt. Per Each	—	3 oz.	4 oz.	7 oz.	11 oz.	17 oz.	26 oz.	33 oz.	54 oz.

3000 LB. SOCKET WELD CAP



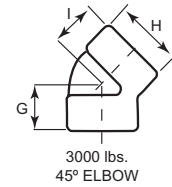
Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
N	—	.375	.438	.500	.563	.625	.688	.750	.875
O	—	.563	.641	.750	.844	.938	1.063	1.188	1.375
P	—	.555	.690	.855	1.065	1.330	1.675	1.915	2.406
Q	—	.875	1.000	1.250	1.500	1.750	2.250	2.500	3.000
Wt. Per Each	—	1.5 oz.	2 oz.	4 oz.	6 oz.	8 oz.	21 oz.	24 oz.	37 oz.



SCREWED & SOCKETWELD FITTINGS

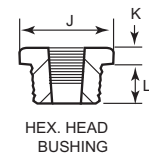
3000 LB. 45° ELBOW

Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
G	.970	.970	1.200	1.420	1.450	1.575	1.950	2.375	2.532
H	1.050	1.050	1.315	1.505	1.890	2.285	2.505	3.020	3.312
I	1.860	1.860	2.130	2.620	2.835	3.190	3.680	4.395	4.764
Wt. Per Each	5 oz.	5 oz.	8 oz.	13 oz.	22 oz.	35 oz.	26 oz.	65 oz.	66 oz.



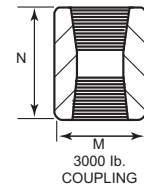
HEX HEAD BUSHING

Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
J	—	.625	.687	.875	1.062	1.437	1.812	2.000	2.500
K	—	.125	.187	.187	.250	.250	.375	.375	.437
L	—	.500	.562	.562	.750	.812	.875	.937	1.000
Wt. Per Each	—	—	—	—	—	—	—	—	—



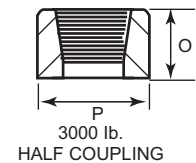
3000 LB. COUPLING

Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
M	.750	.750	.875	1.125	1.375	1.750	2.250	2.500	3.000
N	1.250	1.375	1.500	1.875	2.000	2.375	2.625	3.125	3.375
Wt. Per Each	2 oz.	3 oz.	4 oz.	5 oz.	7 oz.	10 oz.	25 oz.	35 oz.	50 oz.



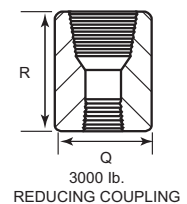
3000 LB. HALF COUPLING

Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
O	.625	.688	.750	.938	1.000	1.188	1.313	1.563	1.688
P	.750	.750	.875	1.125	1.375	1.750	2.250	2.500	3.000
Wt. Per Each	1 oz.	1.5 oz.	2 oz.	2.5 oz.	3.5 oz.	5 oz.	12.5 oz.	17.5 oz.	25 oz.

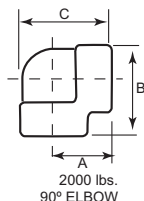


3000 LB. REDUCING COUPLING

Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
Q	.750	.750	.875	1.125	1.375	1.750	2.250	2.500	3.000
R	1.250	1.375	1.500	1.875	2.000	2.375	2.625	3.125	3.375
Wt. Per Each	2 oz.	3 oz.	4 oz.	5 oz.	7 oz.	10 oz.	25 oz.	35 oz.	50 oz.

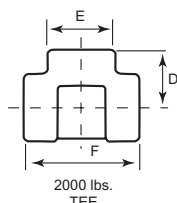


2000 LB. 90° ELBOW



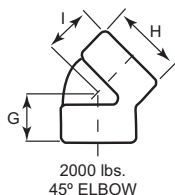
Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
A	.620	.620	.780	.900	1.035	1.200	1.420	1.670	1.990
B	.900	.900	1.085	1.330	1.570	1.860	2.200	2.485	3.000
C	1.242	1.242	1.560	1.800	2.070	2.400	2.840	3.340	3.980
Wt. Per Each	3 OZ.	3 OZ.	5 OZ.	9 OZ.	13 OZ.	20 OZ.	30 OZ.	43 OZ.	63 OZ.

2000 LB. TEE



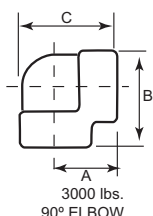
Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
D	.670	.670	.790	.920	1.050	1.220	1.450	1.630	1.950
E	.875	.875	1.040	1.330	1.585	1.870	2.280	2.490	3.070
F	1.740	1.740	2.095	2.325	2.655	3.080	3.550	4.080	4.800
Wt. Per Each	4 OZ.	4 OZ.	7 OZ.	10 OZ.	15 OZ.	25 OZ.	40 OZ.	55 OZ.	88 OZ.

2000 LB. 45° ELBOW



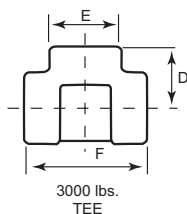
Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
G	1.585	1.585	1.800	1.125	2.385	2.775	3.465	3.475	4.665
H	.885	.885	1.010	1.310	1.525	1.810	2.270	2.460	3.040
I	.091	.091	1.000	1.085	1.125	1.330	1.600	1.700	2.250
Wt. Per Each	3 oz.	3 oz.	4 oz.	7 oz.	9 oz.	14 oz.	28 oz.	29 oz.	55 oz.

3000 LB. 90° ELBOW



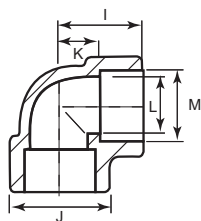
Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
A	.800	.800	.900	1.050	1.250	1.470	1.630	1.970	2.130
B	1.700	1.700	1.320	1.565	1.870	2.245	2.520	3.010	3.315
C	1.590	1.590	1.800	2.100	2.490	2.930	3.265	3.935	4.265
Wt. Per Each	6 oz.	6 oz.	10 oz.	16 oz.	25 oz.	41 oz.	53 oz.	97 oz.	112 oz.

3000 LB. TEE



Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
D	.962	.962	1.192	1.315	1.525	1.782	2.015	2.437	2.530
E	1.130	1.130	1.355	1.500	1.880	2.295	2.500	3.015	3.320
F	1.925	1.925	2.385	2.630	3.050	3.565	4.030	4.875	5.160
Wt. Per Each	8 oz.	8 oz.	14 oz.	17 oz.	32 oz.	55 oz.	65 oz.	109 oz.	118 oz.

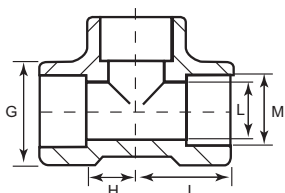
3000 LB. SOCKET WELD 90° ELBOW



3000 lb.
SOCKET WELD
90° ELBOW

Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
I	—	.812	.969	1.125	1.312	1.500	1.750	2.000	2.375
J	—	.875	1.000	1.312	1.500	1.812	2.188	2.438	2.969
K	—	.438	.531	.625	.750	.875	1.062	1.250	1.500
L	—	.379	.508	.637	.839	1.064	1.395	1.625	2.082
M	—	.555	.690	.855	1.065	1.330	1.675	1.915	2.406
Wt. Per Each	—	3 oz.	5 oz.	9 oz.	13 oz.	21 oz.	29 oz.	43 oz.	69 oz.

3000 LB. SOCKET WELD TEE



3000 lb.
SOCKET WELD
TEE

Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
G	—	.875	1.000	1.312	1.500	1.812	2.188	2.438	2.969
H	—	.438	.531	.625	.750	.875	1.062	1.250	1.500
I	—	.812	.969	1.125	1.312	1.500	1.750	2.000	2.375
Wt. Per Each	—	4 oz.	7 oz.	11 oz.	15 oz.	27 oz.	35 oz.	47 oz.	76 oz.