

ASTM A182

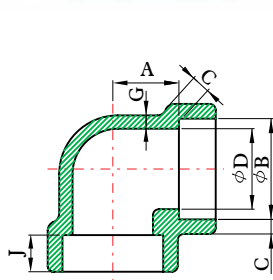
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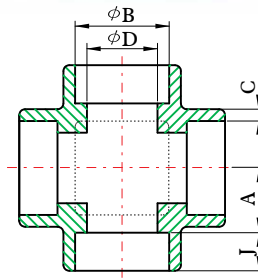


ASTM A182 STAINLESS HIGH PRESSURE FITTINGS

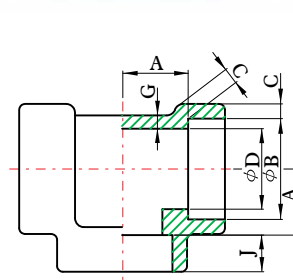
90° ELBOW / CROSS / TEE / 45° ELBOW - SOCKET



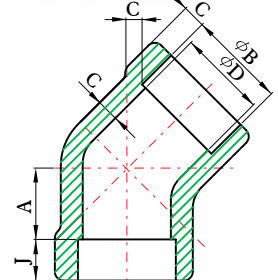
90° ELBOW



CROSS



TEE



45° ELBOW

DIMENSIONS

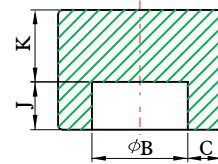
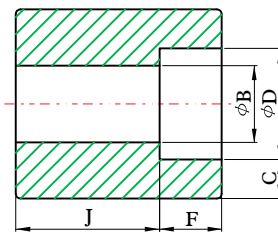
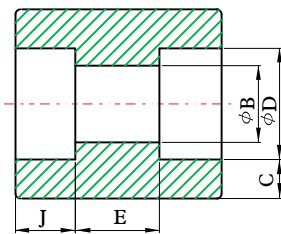
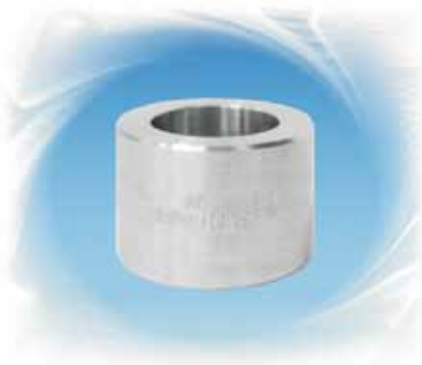
unit : inch

DN	Nom. Pipe Size	Socket Bore Dia. (2) B	Bore Diameter of Fitting (2) D		Socket Wall Thickness (1) C				Body Wall Thickness G		Depth of Socket Min. J
					Class Designation				Class Designation		
			Class Designation		3000		6000		3000	6000	
			3000	6000	Ave.	Min.	Ave.	Min.	Min.	Min.	
6	1/8	0.441	0.299	0.189	0.125	0.125	0.156	0.135	0.095	0.124	0.374
		0.425	0.240	0.126							
8	1/4	0.575	0.394	0.280	0.149	0.130	0.181	0.158	0.119	0.145	0.374
		0.559	0.335	0.220							
10	3/8	0.709	0.524	0.390	0.158	0.138	0.198	0.172	0.126	0.158	0.374
		0.693	0.465	0.331							
15	1/2	0.874	0.654	0.492	0.184	0.161	0.235	0.204	0.147	0.188	0.374
		0.858	0.591	0.433							
20	3/4	1.087	0.854	0.642	0.193	0.168	0.274	0.238	0.154	0.219	0.492
		1.071	0.795	0.583							
25	1	1.350	1.079	0.846	0.224	0.196	0.312	0.273	0.179	0.250	0.492
		1.335	1.020	0.783							
32	1-1/4	1.697	1.409	1.189	0.239	0.208	0.312	0.273	0.191	0.250	0.492
		1.681	1.350	1.130							
40	1-1/2	1.937	1.638	1.366	0.250	0.218	0.351	0.307	0.200	0.281	0.492
		1.921	1.579	1.307							
50	2	2.429	2.098	1.717	0.273	0.238	0.430	0.374	0.218	0.344	0.630
		2.409	2.035	1.657							
65	2-1/2	2.929	2.528		0.345	0.302			0.276		0.630
		2.909	2.409								
80	3	3.555	3.126		0.375	0.327			0.300		0.630
		3.535	3.008								
100	4	4.555	4.087		0.421	0.368			0.337		0.748
		4.535	3.965								



ASTM A182 STAINLESS HIGH PRESSURE FITTINGS

COUPLING / HALF COUPLING / CAP - SOCKET



COUPLING

HALF COUPLING

CAP

DIMENSIONS

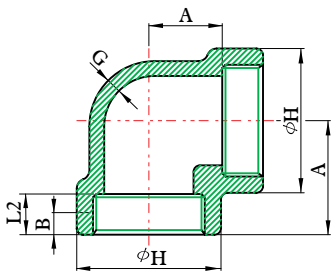
unit : inch

Center to Bottom of Socket-A				Laying Lengths		Tolerances ±			End Wall Thickness K Min.		Nom. Pipe Size	DN
90° Elbows Tees, Crosses		45° Elbows		Couplings E	Half Couplings F	A	E	F				
Class Designation		Class Designation							Class Designation			
3000	6000	3000	6000						3000	6000		
0.433	0.433	0.315	0.315	0.256	0.630	0.039	0.059	0.039	0.189	0.252	1/8	6
0.433	0.531	0.315	0.315	0.256	0.630	0.039	0.059	0.039	0.189	0.252	1/4	8
0.531	0.610	0.315	0.433	0.256	0.689	0.059	0.118	0.059	0.189	0.252	3/8	10
0.610	0.748	0.433	0.492	0.374	0.886	0.059	0.118	0.059	0.252	0.311	1/2	15
0.748	0.886	0.512	0.551	0.374	0.945	0.059	0.118	0.059	0.252	0.311	3/4	20
0.886	1.063	0.551	0.689	0.492	1.122	0.079	0.157	0.079	0.378	0.441	1	25
1.063	1.260	0.689	0.807	0.492	1.181	0.079	0.157	0.079	0.378	0.441	1-1/4	32
1.260	1.496	0.807	1.004	0.492	1.260	0.079	0.157	0.079	0.441	0.500	1-1/2	40
1.496	1.614	1.004	1.122	0.748	1.614	0.079	0.157	0.079	0.500	0.618	2	50
1.614		1.122		0.748	1.693	0.098	0.197	0.098	0.618	0.748	2-1/2	65
2.244		1.260		0.748	1.752	0.098	0.197	0.098	0.748	0.882	3	80
2.618		1.614		0.748	1.890	0.098	0.197	0.098	0.882	1.118	4	100

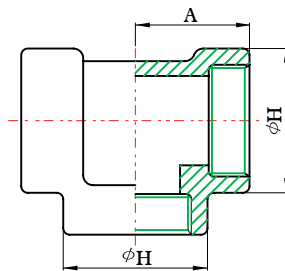


ASTM A182 STAINLESS HIGH PRESSURE FITTINGS

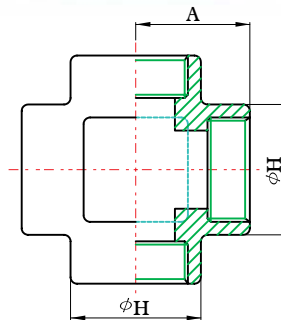
90° ELBOW / CROSS / TEE / 45° ELBOW - THREADED



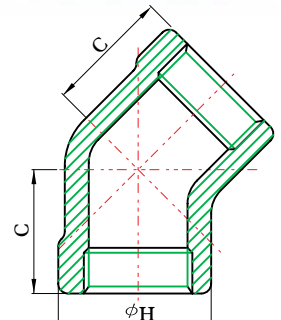
90° ELBOW



TEE



CROSS



45° ELBOW

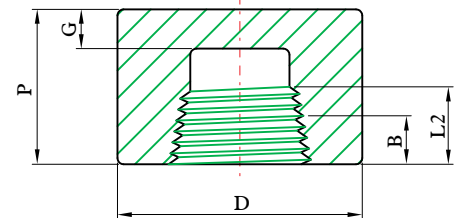
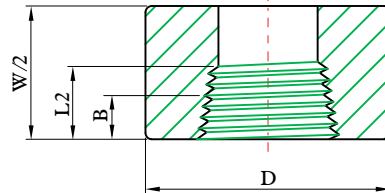
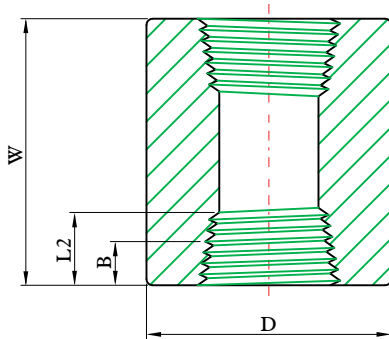
DIMENSIONS

unit : inch

DN	Nom. Pipe Size	Center to End Elbows, Tees, Cross A		Center to End 45° Elbow C		Outside Diameter of Band H		Minimum Wall Thickness G		Length of Thread. Min. (1)	
		3000	6000	3000	6000	3000	6000	3000	6000	B	L2
6	1/8	0.827	0.984	0.669	0.748	0.866	0.984	0.125	0.250	0.252	0.264
8	1/4	0.984	1.102	0.748	0.866	0.984	1.299	0.130	0.260	0.319	0.402
10	3/8	1.102	1.299	0.866	0.984	1.299	1.496	0.138	0.275	0.358	0.409
15	1/2	1.299	1.496	0.984	1.102	1.496	1.811	0.161	0.321	0.429	0.535
20	3/4	1.496	1.732	1.102	1.299	1.811	2.205	0.170	0.336	0.500	0.547
25	1	1.732	2.008	1.299	1.378	2.205	2.441	0.196	0.391	0.579	0.681
32	1-1/4	2.008	2.362	1.378	1.693	2.441	2.953	0.208	0.417	0.669	0.709
40	1-1/2	2.362	2.520	1.693	1.732	2.953	3.307	0.219	0.436	0.701	0.724
50	2	2.520	3.268	1.732	2.047	3.307	4.016	0.281	0.476	0.748	0.756
65	2-1/2	3.268	3.740	2.047	2.520	4.016	4.764	0.301	0.602	0.929	1.138
80	3	3.740	4.173	2.520	3.110	4.764	5.748	0.348	0.655	1.020	1.201
100	4	4.488	4.488	3.110	3.110	5.984	5.984	0.440	0.735	1.091	1.299

ASTM A182 STAINLESS HIGH PRESSURE FITTINGS

COUPLING / HALF COUPLING / CAP - THREADED



DIMENSIONS

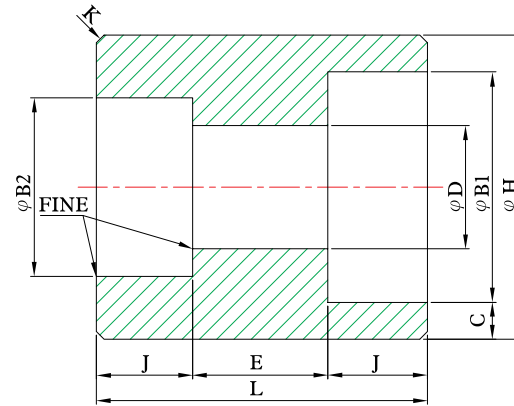
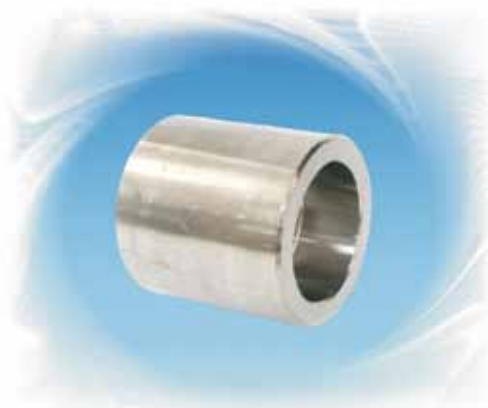
unit : inch

DN	Nom. Pipe Size	End to End Couplings W	End to End Caps P		Outside Diameter D		End Wall Thickness G Min.		Length of Thread. Min (1)	
		3000 / 6000	3000	6000	3000	6000	3000	6000	B	L2
6	1/8	1.260	0.748	-----	0.630	0.866	0.189	-----	0.252	0.264
8	1/4	1.378	0.984	1.063	0.748	0.984	0.189	0.252	0.319	0.402
10	3/8	1.496	0.984	1.063	0.866	1.260	0.189	0.252	0.358	0.409
15	1/2	1.890	1.260	1.299	1.102	1.496	0.252	0.311	0.429	0.535
20	3/4	2.008	1.457	1.496	1.378	1.732	0.252	0.311	0.500	0.547
25	1	2.362	1.614	1.693	1.732	2.244	0.382	0.441	0.579	0.681
32	1-1/4	2.638	1.732	1.811	2.244	2.520	0.382	0.441	0.669	0.709
40	1-1/2	3.110	1.732	1.890	2.520	2.992	0.441	0.500	0.701	0.724
50	2	3.386	1.890	2.008	2.992	3.622	0.500	0.618	0.748	0.756
65	2-1/2	3.622	2.362	2.520	3.622	4.252	0.618	0.748	0.929	1.138
80	3	4.252	2.559	2.677	4.252	5.000	0.748	0.882	1.020	1.201
100	4	4.764	2.677	2.953	5.512	6.260	0.882	1.118	1.091	1.299



ASTM A182 STAINLESS HIGH PRESSURE FITTINGS

REDUCING COUPLING - SOCKET-WELD END



DIMENSIONS

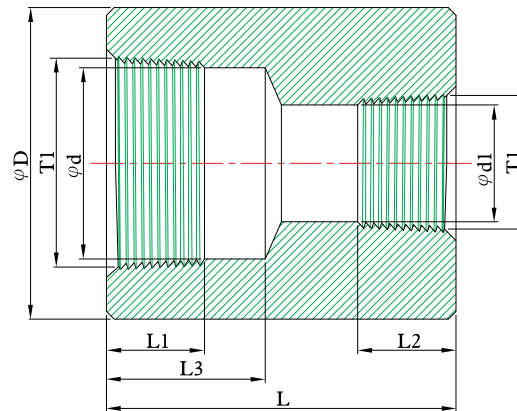
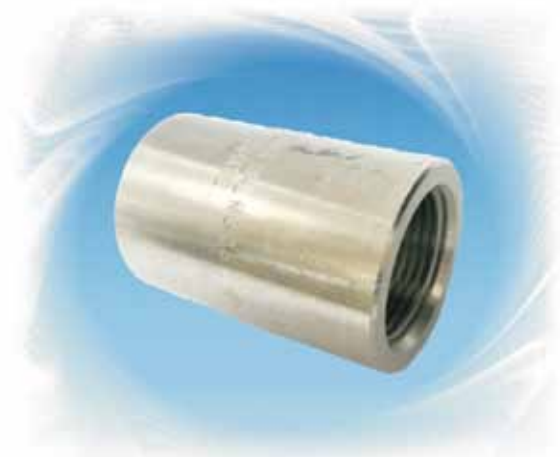
unit : inch

SIZE	B1	B2	D	C (Min)	H (Min)	J	E	L
1/4 x 1/8	0.56	0.43	0.27	0.15	0.86	0.41	0.26	1.08
3/8 x 1/8	0.70	0.43	0.27	0.16	1.02	0.41	0.26	1.12
3/8 x 1/4	0.70	0.56	0.37	0.16	1.02	0.41	0.26	1.12
1/2 x 1/8	0.86	0.43	0.27	0.19	1.23	0.49	0.37	1.36
1/2 x 1/4	0.11	0.56	0.37	0.19	1.23	0.49	0.37	1.36
1/2 x 3/8	0.86	0.70	0.50	0.19	1.23	0.49	0.37	1.36
3/4 x 1/8	1.07	0.43	0.27	0.19	1.46	0.55	0.37	1.48
3/4 x 1/4	1.07	0.56	0.37	0.19	1.46	0.55	0.37	1.48
3/4 x 3/8	1.07	0.70	0.50	0.19	1.46	0.55	0.37	1.48
3/4 x 1/2	1.07	0.86	0.62	0.19	1.46	0.55	0.37	1.48
1 x 1/8	1.34	0.43	0.27	0.22	1.79	0.59	0.49	1.69
1 x 1/4	1.34	0.56	0.37	0.22	1.79	0.59	0.49	1.69
1 x 3/8	1.34	0.70	0.50	0.22	1.79	0.59	0.49	1.69
1 x 1/2	1.34	0.86	0.62	0.22	1.79	0.59	0.49	1.69
1 x 3/4	1.34	1.07	0.83	0.22	1.79	0.59	0.49	1.69
1-1/4 x 1/8	1.69	0.43	0.27	0.24	2.17	0.67	0.49	1.85
1-1/4 x 1/4	1.69	0.56	0.37	0.24	2.17	0.67	0.49	1.85
1-1/4 x 3/8	1.69	0.70	0.50	0.24	2.17	0.67	0.49	1.85
1-1/4 x 1/2	1.69	0.86	0.62	0.24	2.17	0.67	0.49	1.85
1-1/4 x 3/4	1.69	1.07	0.83	0.24	2.17	0.67	0.49	1.85
1-1/4 x 1	1.69	1.34	1.05	0.24	2.17	0.67	0.49	1.85
1-1/2 x 1/8	1.93	0.43	0.27	0.25	2.43	0.69	0.49	1.89
1-1/2 x 1/4	1.93	0.56	0.37	0.25	2.43	0.69	0.49	1.89
1-1/2 x 3/8	1.93	0.70	0.50	0.25	2.43	0.69	0.49	1.89
1-1/2 x 1/2	1.93	0.86	0.62	0.25	2.43	0.69	0.49	1.89
1-1/2 x 3/4	1.93	1.07	0.83	0.25	2.43	0.69	0.49	1.89
1-1/2 x 1	1.93	1.34	1.05	0.25	2.43	0.69	0.49	1.89
1-1/2 x 1-1/4	1.93	1.69	1.38	0.25	2.43	0.69	0.49	1.89
2 x 1/8	2.42	0.43	0.27	0.27	2.96	0.87	0.75	2.48
2 x 1/4	2.42	0.56	0.37	0.27	2.96	0.87	0.75	2.48
2 x 3/8	2.42	0.70	0.50	0.27	2.96	0.87	0.75	2.48
2 x 1/2	2.42	0.86	0.62	0.27	2.96	0.87	0.75	2.48
2 x 3/4	2.42	1.07	0.83	0.27	2.96	0.87	0.75	2.48
2 x 1	2.42	1.34	1.05	0.27	2.96	0.87	0.75	2.48
2 x 1-1/4	2.42	1.69	1.38	0.27	2.96	0.87	0.75	2.48
2 x 1-1/2	2.42	1.93	1.61	0.27	2.96	0.87	0.75	2.48
2-1/2 x 1-1/4	2.92	1.69	1.38	0.35	3.61	0.87	0.75	2.48
2-1/2 x 1-1/2	2.92	1.93	1.61	0.35	3.61	0.87	0.75	2.48
2-1/2 x 2	2.92	2.42	2.07	0.35	3.61	0.87	0.75	2.48
3 x 1-1/2	3.54	1.93	1.61	0.38	4.30	0.87	0.75	2.48
3 x 2	3.54	2.42	2.07	0.38	4.30	0.87	0.75	2.48
3 x 2-1/2	3.54	2.92	2.47	0.38	4.30	0.87	0.75	2.48
4 x 2	4.54	2.42	2.07	0.42	5.39	0.87	0.75	2.48
4 x 2-1/2	4.54	2.92	2.47	0.42	5.39	0.87	0.75	2.48
4 x 3	4.54	3.54	3.07	0.42	5.39	0.87	0.75	2.48



ASTM A182 STAINLESS HIGH PRESSURE FITTINGS

REDUCING COUPLING - THREADED END



DIMENSIONS

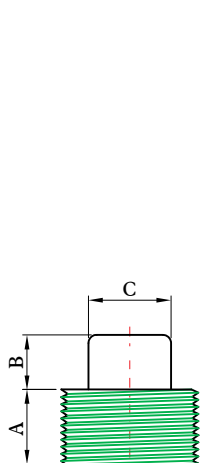
unit : inch

SIZE	T1-n	T2-n	L	D	d	d1	L1	L2	L3
1/4 x 1/8	0.71	1.06	1.38	0.75	0.44	0.32	0.50	0.35	0.69
3/8 x 1/8	0.71	1.06	1.50	0.87	0.57	0.32	0.52	0.35	0.75
3/8 x 1/4	0.71	0.71	1.50	0.87	0.57	0.44	0.52	0.50	0.75
1/2 x 1/4	0.55	0.71	1.89	1.10	0.68	0.44	0.68	0.50	0.94
1/2 x 3/8	0.55	0.71	1.89	1.10	0.68	0.57	0.68	0.52	0.94
3/4 x 3/8	0.55	0.71	2.01	1.38	0.89	0.57	0.70	0.52	1.00
3/4 x 1/2	0.55	0.55	2.01	1.38	0.89	0.68	0.70	0.68	1.00
1 x 3/8	0.45	0.71	2.36	1.73	1.12	0.57	0.83	0.52	1.18
1 x 1/2	0.45	0.55	2.36	1.73	1.12	0.68	0.83	0.68	1.18
1 x 3/4	0.45	0.55	2.36	1.73	1.12	0.89	0.83	0.70	1.18
1-1/4 x 1/2	0.45	0.55	2.64	2.24	1.46	0.68	0.85	0.68	1.32
1-1/4 x 3/4	0.45	0.55	2.64	2.24	1.46	0.89	0.85	0.70	1.32
1-1/4 x 1	0.45	0.45	2.64	2.24	1.46	1.12	0.85	0.83	1.32
1-1/2 x 1/2	0.45	0.55	3.11	2.52	1.70	0.68	0.85	0.68	1.56
1-1/2 x 3/4	0.45	0.55	3.11	2.52	1.70	0.89	0.85	0.70	1.56
1-1/2 x 1	0.45	0.45	3.11	2.52	1.70	1.12	0.85	0.83	1.56
1-1/2 x 1-1/4	0.45	0.45	3.11	2.52	1.70	1.46	0.85	0.85	1.56
2 x 3/4	0.45	0.55	3.39	2.99	2.17	0.89	0.87	0.70	1.69
2 x 1	0.45	0.45	3.39	2.99	2.17	1.12	0.87	0.83	1.69
2 x 1-1/4	0.45	0.45	3.39	2.99	2.17	1.46	0.87	0.85	1.69
2 x 1-1/2	0.45	0.45	3.39	2.99	2.17	1.70	0.87	0.85	1.69
2-1/2 x 1	0.31	0.45	3.62	3.62	2.58	1.12	1.18	0.83	1.81
2-1/2 x 1-1/4	0.31	0.45	3.62	3.62	2.58	1.46	1.18	0.85	1.81
2-1/2 x 1-1/2	0.31	0.45	3.62	3.62	2.58	1.70	1.18	0.85	1.81
2-1/2 x 2	0.31	0.45	3.62	3.62	2.58	2.17	1.18	0.87	1.81
3 x 1	0.31	0.45	4.25	4.25	3.21	1.12	1.27	0.83	2.13
3 x 1-1/4	0.31	0.45	4.25	4.25	3.21	1.46	1.27	0.85	2.13
3 x 1-1/2	0.31	0.45	4.25	4.25	3.21	1.70	1.27	0.85	2.13
3 x 2	0.31	0.45	4.25	4.25	3.21	2.17	1.27	0.87	2.13
3 x 2-1/2	0.31	0.31	4.25	4.25	3.21	2.58	1.27	1.18	2.13
4 x 1-1/4	0.31	0.45	4.76	5.51	4.20	1.46	1.34	0.85	2.38
4 x 1-1/2	0.31	0.45	4.76	5.51	4.20	1.70	1.34	0.85	2.38
4 x 2	0.31	0.45	4.76	5.51	4.20	2.17	1.34	0.87	2.38
4 x 2-1/2	0.31	0.31	4.76	5.51	4.20	2.58	1.34	1.18	2.38

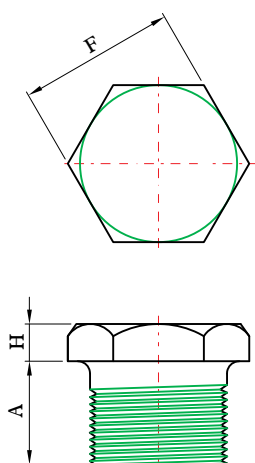


ASTM A182 STAINLESS HIGH PRESSURE FITTINGS

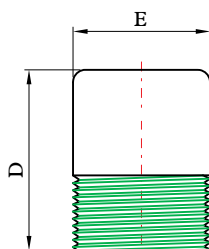
SQUARE HEAD PLUG / HEX HEAD PLUG / ROUND HEAD PLUG / HEX HEAD BUSHING / FLUSH BUSHING



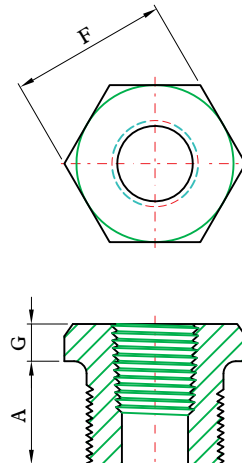
SQUARE HEAD
PLUG



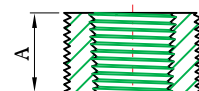
HEX HEAD
PLUG



ROUND HEAD
PLUG



HEX HEAD(1)
BUSHING



FLUSH
BUSHING

DIMENSIONS

unit : inch

DN	Nom. Pipe Size	Length (Min.) A	Plugs Square Head		Plugs Round Head		Hex Plugs & Bushings		
			Height of Square (Min.) B	Width Flats (Min.) C	Nominal Diameter of Head E	Length (Min.) D	Width Flats (Nom.) F	Hex Height (Min.)	
								Bushing G	Plug H
6	1/8	0.394	0.236	0.276	0.394	1.378	0.433	----	0.236
8	1/4	0.433	0.236	0.394	0.551	1.614	0.630	0.118	0.236
10	3/8	0.512	0.315	0.433	0.709	1.614	0.709	0.157	0.315
15	1/2	0.551	0.394	0.551	0.827	1.732	0.866	0.197	0.315
20	3/4	0.630	0.433	0.630	1.063	1.732	1.063	0.236	0.394
25	1	0.748	0.512	0.827	1.299	2.008	1.417	0.236	0.394
32	1-1/4	0.827	0.551	0.945	1.693	2.008	1.811	0.276	0.551
40	1-1/2	0.827	0.630	1.102	1.890	2.008	1.969	0.315	0.630
50	2	0.866	0.709	1.260	2.362	2.520	2.559	0.354	0.709
65	2-1/2	1.063	0.748	1.417	2.874	2.756	2.953	0.394	0.748
80	3	1.102	0.827	1.614	3.504	2.756	3.543	0.394	0.827
100	4	1.260	0.984	2.559	4.488	2.992	4.528	0.512	0.984

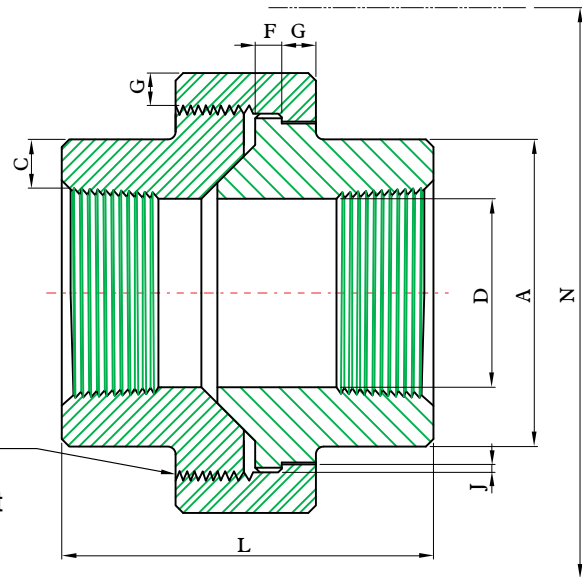


ASTM A182 STAINLESS HIGH PRESSURE FITTINGS

UNION - THREADED



H-Thrd's
Minimum 4 Full Thrd's
Engagement Class 2A/2B Fit



DIMENSIONS

unit : inch

Nom. Pipe Size	Pipe End Min. A	Wall Min. C	Water Way Bore D	Male Flange Min. F	Nut Min. G	Thrds. Per 25.4mm Max. H	Bearing Min. J	Length Assem. L	Clear Assem. Nut N
1/8	0.579	0.095	0.269 0.253	0.125	0.126	0.630	0.049	1.630	1.929
1/4	0.748	0.119	0.388 0.372	0.125	0.126	0.630	0.049	1.630	1.929
3/8	0.902	0.126	0.548 0.532	0.135	0.134	0.551	0.054	1.811	2.165
1/2	1.091	0.147	0.688 0.672	0.145	0.146	0.551	0.059	1.929	2.244
3/4	1.319	0.154	0.858 0.842	0.160	0.161	0.433	0.066	2.240	2.638
1	1.630	0.179	1.108 1.092	0.180	0.173	0.433	0.073	2.441	3.110
1-1/4	1.988	0.191	1.408 1.392	0.210	0.205	0.433	0.084	2.799	3.701
1-1/2	2.252	0.200	1.638 1.622	0.230	0.220	0.394	0.091	3.008	4.370
2	2.760	0.218	2.068 2.052	0.260	0.252	0.394	0.106	3.390	5.197
2-1/2	3.358	0.276	2.548 2.532	0.295	0.280	0.315	0.121	4.031	5.827
3	4.031	0.300	3.058 3.042	0.325	0.315	0.315	0.139	4.291	6.890

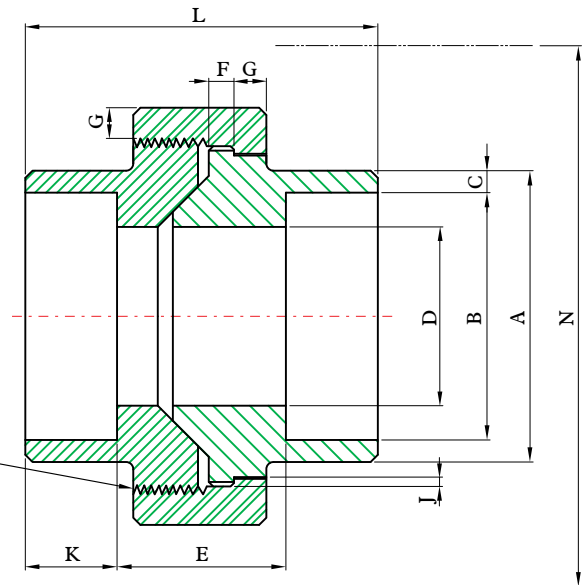


ASTM A182 STAINLESS HIGH PRESSURE FITTINGS

UNION - SOCKET



H-Thrd's
Minimum 4 Full Thrd's
Engagement Class 2A/2B Fit



DIMENSIONS

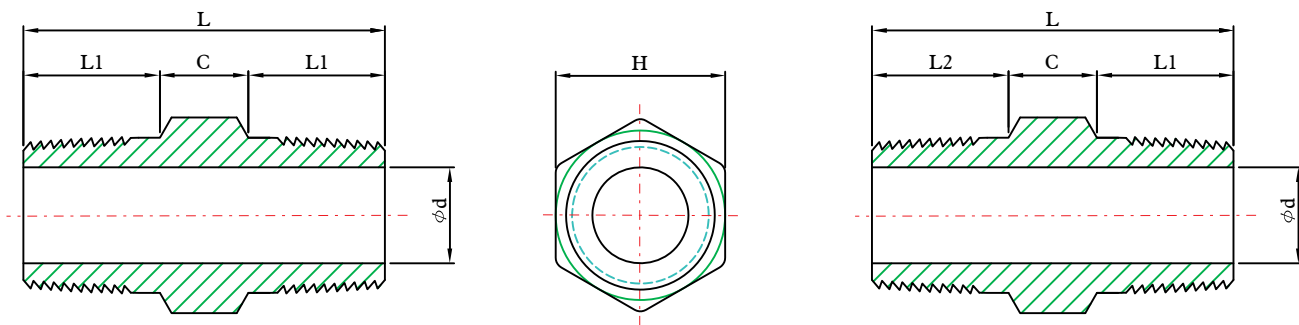
unit : inch

Nom. Pipe Size	Pipe End Min. A	Socket Bore Dia. B	Socket Wall Min. C	Water Way Bore D	Laying Length E	Male Flange Min. F	Nut Min. G	Thrds. Per 25.4mm Max. H	Bearing Min. J	Depth of Socket Min. K	Length Assem. Nom. L	Clear Assem. Nut N
1/8	0.858	0.430 0.420	0.125	0.269 0.253	0.882 0.748	0.125	0.125	0.630	0.049	0.378	1.630	1.929
1/4	0.858	0.560 0.550	0.130	0.388 0.372	0.882 0.748	0.125	0.125	0.630	0.049	0.378	1.630	1.929
3/8	1.020	0.700 0.690	0.137	0.548 0.532	1.059 0.811	0.135	0.135	0.551	0.054	0.378	1.811	2.165
1/2	1.228	0.860 0.850	0.160	0.688 0.672	1.059 0.811	0.145	0.145	0.551	0.059	0.378	1.929	2.244
3/4	1.461	1.070 1.060	0.168	0.858 0.842	1.252 1.000	0.160	0.160	0.433	0.066	0.500	2.240	2.638
1	1.791	1.340 1.330	0.195	1.108 1.092	1.350 1.031	0.180	0.175	0.433	0.073	0.500	2.441	3.110
1-1/4	2.161	1.680 1.670	0.208	1.408 1.392	1.598 1.280	0.210	0.205	0.433	0.084	0.500	2.799	3.701
1-1/2	2.421	1.920 1.910	0.218	1.638 1.622	1.661 1.339	0.230	0.220	0.394	0.091	0.500	3.012	4.370
2	2.961	2.420 2.410	0.238	2.068 2.052	1.791 1.469	0.260	0.250	0.394	0.106	0.622	3.390	5.197
2-1/2	3.610	2.920 2.900	0.301	2.548 2.532	2.429 2.051	0.295	0.280	0.315	0.121	0.622	4.031	5.827
3	4.299	3.550 3.530	0.327	3.058 3.042	2.512 2.110	0.325	0.315	0.315	0.139	0.622	4.291	6.890



ASTM A182 STAINLESS HIGH PRESSURE FITTINGS

HEX - NIPPLE



unit : inch / lb

Size NPS	C	L1	L	d	H	Unit Weight in Kgs
1/8	0.236	0.394	1.024	0.157	0.472	0.03
1/4	0.315	0.551	1.417	0.264	0.669	0.04
3/8	0.315	0.551	1.417	0.350	0.748	0.05
1/2	0.354	0.748	1.850	0.469	0.945	0.09
3/4	0.394	0.748	1.890	0.630	1.181	0.15
1	0.433	0.945	2.323	0.791	1.378	0.27
1-1/4	0.472	0.945	2.362	1.098	1.811	0.45
1-1/2	0.551	0.945	2.441	1.260	1.969	0.62
2	0.630	1.024	2.677	1.571	2.559	1.03
2-1/2	0.709	1.496	3.701	2.169	3.150	1.51
3	0.787	1.575	3.937	2.559	3.740	2.22
4	0.965	1.575	4.134	3.346	4.941	4.00

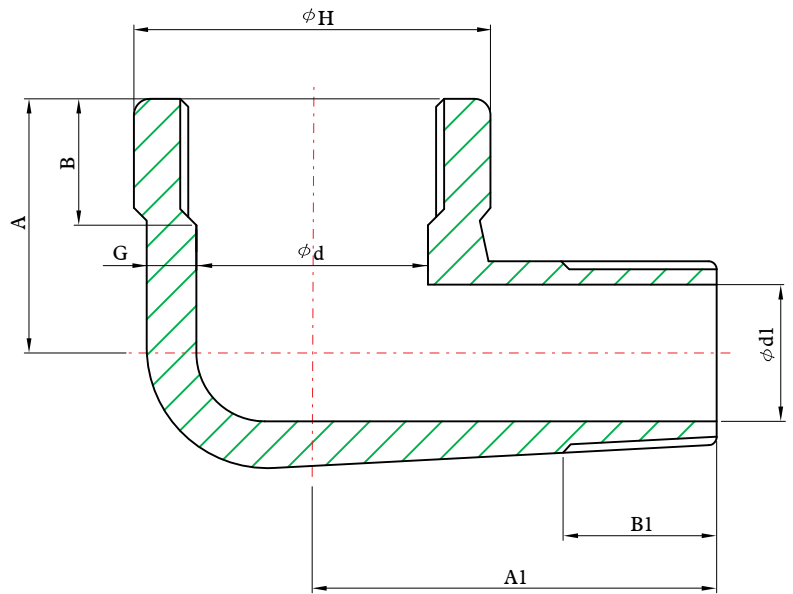
DIMENSIONS

unit : inch / lb

Size NPS	C	L1	L2	L	d	H	Unit Weight in Kgs
3/8 X 1/4	0.315	0.551	0.551	1.417	0.264	0.748	0.05
1/2 X 1/4	0.354	0.748	0.551	1.654	0.264	0.945	0.09
1/2 X 3/8	0.354	0.748	0.551	1.654	0.350	0.945	0.09
3/4 X 1/4	0.394	0.748	0.551	1.693	0.264	1.181	0.15
3/4 X 3/8	0.394	0.748	0.551	1.693	0.350	1.181	0.15
3/4 X 1/2	0.394	0.748	0.748	1.890	0.469	1.181	0.15
1 X 3/8	0.433	0.945	0.551	1.929	0.350	1.339	0.27
1 X 1/2	0.433	0.945	0.748	2.126	0.469	1.339	0.27
1 X 3/4	0.433	0.945	0.748	2.126	0.630	1.339	0.27
1-1/4 X 1/2	0.472	0.945	0.748	2.165	0.469	1.811	0.45
1-1/4 X 3/4	0.472	0.945	0.748	2.165	0.630	1.811	0.45
1-1/4 X 1	0.472	0.945	0.945	2.362	0.791	1.811	0.45
1-1/2 X 3/4	0.551	0.945	0.748	2.244	0.630	1.969	0.62
1-1/2 X 1	0.551	0.945	0.945	2.441	0.791	1.969	0.62
1-1/2 X 1-1/4	0.551	0.945	0.945	2.441	1.098	1.969	0.62
2 X 1	0.630	1.024	0.945	2.598	0.791	2.559	1.03
2 X 1-1/4	0.630	1.024	0.945	2.598	1.098	2.559	1.03
2 X 1-1/2	0.630	1.024	0.945	2.598	1.260	2.559	1.03
2-1/2 X 1-1/4	0.709	1.496	0.945	3.150	1.098	3.150	1.51
2-1/2 X 1-1/2	0.709	1.496	0.945	3.150	1.260	3.150	1.51
2-1/2 X 2	0.709	1.496	1.024	3.228	1.571	3.150	1.51
3 X 1-1/2	0.787	1.575	0.945	3.307	1.260	3.740	2.22
3 X 2	0.787	1.575	1.024	3.386	1.571	3.740	2.22
3 X 2-1/2	0.787	1.575	1.496	3.858	2.169	3.740	2.22

ASTM A182 STAINLESS HIGH PRESSURE FITTINGS

STREET ELBOW



DIMENSIONS

3000Lbs

unit : inch

Dim Nom. Pipe Size	H	A	A1	d	d1	G (Min)	B (Min)	B1 (Min)
1/4	0.984	0.874	1.248	0.441	0.276	0.130	0.315	0.406
3/8	1.299	1.000	1.500	0.571	0.354	0.138	0.354	0.409
1/2	1.496	1.126	1.622	0.618	0.512	0.161	0.433	0.535
3/4	1.811	1.374	1.874	0.823	0.630	0.170	0.492	0.543
1	2.205	1.752	2.268	1.047	0.787	0.196	0.571	0.681
1-1/4	2.441	2.000	2.626	1.378	1.102	0.208	0.669	0.709
1-1/2	2.953	2.126	2.811	1.610	1.181	0.219	0.709	0.724
2	3.307	2.500	3.307	2.067	1.575	0.281	0.748	0.760

6000Lbs

unit : inch

Dim Nom. Pipe Size	H	A	A1	d	d1	G (Min)	B (Min)	B1 (Min)
1/4	1.299	1.000	1.500	0.441	0.118	0.260	0.315	0.406
3/8	1.496	1.126	1.622	0.571	0.185	0.275	0.354	0.409
1/2	1.811	1.374	1.874	0.618	0.248	0.321	0.433	0.535
3/4	2.205	1.752	2.252	0.823	0.437	0.336	0.492	0.543
1	2.441	2.000	2.626	1.047	0.598	0.391	0.571	0.681
1-1/4	2.441	2.000	2.626	1.378	1.102	0.208	0.669	0.709
1-1/2	3.307	2.500	3.307	1.610	1.098	0.436	0.709	0.724

ASTM A182 STAINLESS HIGH PRESSURE FITTINGS

STANDARD PACKAGING QUANTITY FOR EACH CARTON

unit: pcs

SIZE NPS	90DELB 3000# SW	90DELB 3000#NPT 6000#SW	45DELB 3000# SW	45DELB 3000#NPT 6000#SW	TEE 3000# SW	TEE 3000#NPT 6000#SW	CPLG 3000# SW	CPLG 3000#NPT	UNION NPT SW	H.CPLG NPT SW	CAP 3000# NPT/SW	BUSH NPT	NIPPLE NPT	HEX PLUG NPT
1/4"	150	100	150	100	100	80	350	250	70	350	300	600	500	800
3/8"	100	80	100	80	80	50	250	200	70	300	250	500	400	600
1/2"	80	50	80	50	50	35	120	100	50	150	130	400	200	250
3/4"	50	30	50	30	35	20	80	70	35	120	80	200	120	200
1"	30	20	30	20	20	15	50	35	20	80	50	100	80	100
1-1/4"	20	15	20	15	15	10	30	20	14	50	30	70	35	35
1-1/2"	15	6	15	8	10	5	20	15	10	40	20	50	30	25
2"	8	5	10	6	6	4	15	10	6	20	15	25	15	17
2-1/2"	4	2	6	4	4	3	10	5	2	6	10	15	5	8
3"	2	1	3	2	2	1	6	3	1	5	4	10	3	6

SIZE OF CARTON: 1.10in x 0.79in x 0.71in



ASTM A182 STAINLESS HIGH PRESSURE FITTINGS

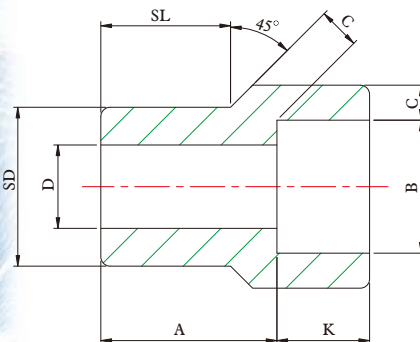
WEIGHT LIST

unit: lb / pc

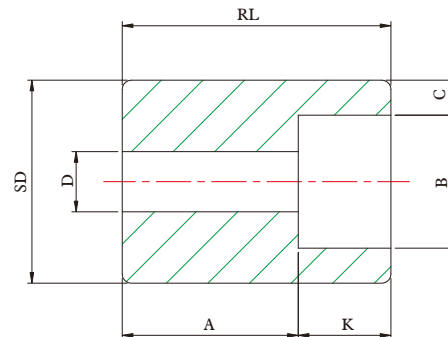
SIZE	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
3000 LBS SCREWED												
90° ELBOW	0.22	0.31	0.59	0.90	1.59	2.27	2.89	4.87	5.44	9.98	17.11	29.23
45° ELBOW	0.18	0.26	0.53	0.75	1.19	2.03	2.14	4.05	4.25	7.62	11.98	19.74
TEE	0.29	0.29	0.84	1.23	1.85	3.74	4.30	7.00	8.00	13.74	20.99	37.97
COUPLING	0.11	0.11	0.13	0.29	0.42	0.86	1.50	2.18	3.02	4.56	6.78	11.98
HALF COUPLING	0.07	0.07	0.07	0.13	0.22	0.44	0.75	1.10	1.50	2.27	3.39	5.99
CAP	0.09	0.09	0.11	0.24	0.40	0.77	1.32	1.54	2.33	4.05	5.84	10.07
STREET ELBOW	0.22	0.31	0.59	0.90	1.45	2.14	2.89	4.87	5.44			
UNION	0.62	0.62	0.62	0.68	1.01	1.48	2.27	3.33	5.35	7.67	11.56	26.43
6000 LBS SCREWED												
90° ELBOW	0.37	0.66	0.99	1.59	2.53	3.55	5.88	7.05	13.00	21.76	36.19	
45° ELBOW	0.24	0.59	0.86	1.34	2.25	2.58	5.88	5.75	9.63	15.44	31.19	
TEE	0.44	0.93	1.39	2.16	3.63	4.82	7.75	9.74	17.36	28.88	49.56	
COUPLING	0.18	0.13	0.40	0.68	0.90	1.87	2.31	4.12	7.49	9.25	13.44	22.11
HALF COUPLING	0.09	0.09	0.20	0.35	0.44	0.95	1.17	2.00	3.74	4.63	6.72	11.06
CAP	0.13	0.13	0.20	0.31	0.44	0.75	1.30	1.70	3.24			
PLUG & BUSHING												
3000 / 6000 LBS												
SQUARE HEAD	0.02	0.02	0.07	0.11	0.20	0.35	0.59	0.84	1.39	2.11	3.37	8.44
HEX HEAD	0.02	0.07	0.11	0.15	0.31	0.55	1.04	1.37	2.42	3.81	4.74	13.00
ROUND HEAD	0.04	0.11	0.15	0.26	0.44	0.75	1.21	1.59	3.11	4.87	7.18	13.24
BUSHING		0.02	0.02	0.07	0.11	0.20	0.55	0.75	0.99	1.32	2.56	7.05
3000 LBS SCREWED WELD												
90° ELBOW	0.20	0.22	0.22	0.48	0.68	1.17	1.59	2.14	3.77	8.37	12.11	24.12
45° ELBOW	0.15	0.13	0.20	0.44	0.57	0.88	1.41	1.70	2.69	7.86	11.23	20.73
TEE	0.24	0.20	0.33	0.70	0.93	1.43	2.18	2.97	4.56	8.59	13.00	31.28
COUPLING	0.09	0.11	0.15	0.29	0.42	0.59	1.08	1.30	2.14	3.13	4.14	7.29
HALF COUPLING	0.09	0.11	0.15	0.29	0.42	0.59	1.08	1.30	2.14	3.13	4.14	7.29
CAP	0.07	0.09	0.11	0.22	0.35	0.48	2.89	1.12	1.87	2.73	4.27	7.29
UNION	0.62	0.62	0.62	0.68	1.01	1.48	2.27	3.33	5.35	7.67	11.56	26.43
6000 LBS SCREWED WELD												
90° ELBOW				0.88	1.39	2.62	3.00	5.31	5.99	10.46	18.83	31.52
45° ELBOW				0.66	1.26	1.94	2.44	4.43	4.74	8.92	13.26	24.60
TEE				1.19	1.94	3.17	4.07	7.20	7.93	15.29	23.37	37.27
COUPLING				0.53	0.73	1.43	1.65	2.64	4.67	6.30	8.83	13.99
HALF COUPLING				0.53	0.73	1.43	1.65	2.64	4.67	6.30	8.83	13.99
CAP				0.42	0.57	1.17	1.41	2.14	3.61	4.89	7.60	13.28



REDUCER INSERT



TYPE 1



TYPE 2 ⁽¹⁾

DIMENSIONS

unit : inch

Nom. Pipe Size	Type (2)		Socket		Shank Dia. SD	Laying Length A		Bore D		Wall (Min) C		Length			
			Dia.	Depth (Min) K		A		D		C		SL		RL (Min)	
	3M	6M	B	K		3M	6M	3M	6M	3M	6M	3M	6M	3M	6M
3/8 X 1/4	1	1	0.56	0.39	0.68	0.75	0.83	0.35	0.26	0.15	0.18	0.55	0.63	-	-
1/2 X 3/8	1	1	0.70	0.39	0.84	0.83	0.91	0.49	0.35	0.16	0.20	0.63	0.63	-	-
1/2 X 1/4	1	1	0.56	0.39	0.84	0.83	0.83	0.35	0.26	0.15	0.18	0.63	0.63	-	-
3/4 X 1/2	1	1	0.86	0.39	1.05	0.87	0.98	0.63	0.47	0.18	0.24	0.67	0.75	-	-
3/4 X 3/8	2	1	0.70	0.39	1.05	0.63	0.87	0.49	0.35	0.16	0.20	-	0.75	1.06	-
3/4 X 1/4	2	2	0.56	0.39	1.05	0.71	0.87	0.35	0.26	0.15	0.18	-	-	1.06	1.26
1 X 3/4	1	1	1.08	0.51	1.31	0.94	1.10	0.83	0.61	0.19	0.27	0.75	0.83	-	-
1 X 1/2	2	1	0.86	0.39	1.31	0.63	1.10	0.63	0.47	0.18	0.24	-	0.83	1.10	-
1 X 3/8	2	2	0.70	0.39	1.31	0.71	0.87	0.49	0.35	0.16	0.20	-	-	1.10	1.30
1 X 1/4	2	2	0.56	0.39	1.31	0.75	0.94	0.35	0.26	0.15	0.18	-	-	1.10	1.30
1-1/4 X 1	1	1	1.34	0.51	1.66	0.98	1.18	1.04	0.81	0.22	0.31	0.83	0.87	-	-
1-1/4 X 3/4	2	2	1.08	0.51	1.66	0.71	0.83	0.83	0.61	0.19	0.27	-	-	1.26	1.38
1-1/4 X 1/2	2	2	0.86	0.39	1.66	0.75	0.87	0.63	0.47	0.18	0.24	-	-	1.26	1.38
1-1/4 X 3/8	2	2	0.70	0.39	1.66	0.83	0.94	0.49	0.35	0.16	0.20	-	-	1.26	1.38
1-1/4 X 1/4	2	2	0.56	0.39	1.66	0.87	0.98	0.35	0.26	0.15	0.18	-	-	1.26	1.38
1-1/2 X 1-1/4	1	1	1.69	0.51	1.90	1.10	1.38	1.38	1.15	0.24	0.31	0.87	0.98	-	-
1-1/2 X 1	2	1	1.34	0.51	1.90	0.71	1.13	1.04	0.81	0.22	0.31	-	0.98	1.30	-
1-1/2 X 3/4	2	2	1.08	0.51	1.90	0.75	0.98	0.83	0.61	0.19	0.27	-	-	1.30	1.57
1-1/2 X 1/2	2	2	0.86	0.39	1.90	0.83	1.06	0.63	0.47	0.18	0.24	-	-	1.30	1.57
1-1/2 X 3/8	2	2	0.70	0.39	1.90	0.87	1.10	0.49	0.35	0.16	0.20	-	-	1.30	1.57
2 X 1-1/2	1	1	1.93	0.51	2.38	1.26	1.54	1.61	1.34	0.25	0.35	0.98	1.10	-	-
2 X 1-1/4	2	2	1.69	0.51	2.38	0.83	0.94	1.38	1.15	0.24	0.31	-	-	1.50	1.61
2 X 1	2	2	1.34	0.51	2.38	0.87	0.98	1.04	0.83	0.22	0.31	-	-	1.50	1.61
2 X 3/4	2	2	1.08	0.51	2.38	0.94	1.06	0.83	0.61	0.19	0.27	-	-	1.50	1.61
2 X 1/2	2	2	0.86	0.39	2.37	0.98	1.10	0.62	0.47	0.18	0.23	-	-	1.50	1.61

1. At the option of the manufacturer type 2 Reducers may be furnished in type 1 configuration .

2. 3M & 6M symbols 3000 and 6000 classes .