

MACHINE SPECIALTY AND MANUFACTURING, INC.

API 6A REFERENCE CHART							
Flange Size	Weight - LBS		No. Bolt Holes	Bolt Size	Tap End Stud Length	All Thread Bolt Length	Ring Gasket No.
	Weldneck	Blind					
1 13/16" 10M	21	25	8	3/4"	3 3/4"	5 1/2"	BX-151
1 13/16" 15M	28	32	8	7/8"	4 1/8"	6"	BX-151
1 13/16" 20M	62	66	8	1"	5 1/8"	7 3/4"	BX-151
2 1/16" 2M	12	12	8	5/8"	3 5/8"	5"	R-23
2 1/16" 3M	29	27	8	7/8"	4 5/8"	6 1/2"	R-24
2 1/16" 5M	30	27	8	7/8"	4 5/8"	6 1/2"	R-24
2 1/16" 10M	25	30	8	3/4"	3 7/8"	5 1/2"	BX-152
2 1/16" 15M	36	42	8	7/8"	4 3/8"	6 1/2"	BX-152
2 1/16" 20M	87	93	8	1 1/8"	5 3/4"	8 1/2"	BX-152
2 9/16" 2M	17	17	8	3/4"	4"	5 1/2"	R-26
2 9/16" 3M	39	37	8	1"	5 1/8"	7"	R-27
2 9/16" 5M	40	37	8	1"	5 1/8"	7"	R-27
2 9/16" 10M	39	48	8	7/8"	4 3/8"	6 1/2"	BX-153
2 9/16" 15M	52	61	8	1"	4 7/8"	7 1/4"	BX-153
2 9/16" 20M	123	132	8	1 1/4"	6 1/4"	9 1/2"	BX-153
3 1/8" 2M	22	23	8	3/4"	4 1/8"	5 3/4"	R-31
3 1/8" 3M	36	35	8	7/8"	4 5/8"	6 1/2"	R-31
3 1/8" 5M	52	50	8	1 1/8"	5 5/8"	7 3/4"	R-35
3 1/16" 10M	60	73	8	1"	5"	7 1/4"	BX-154
3 1/16" 15M	76	89	8	1 1/8"	5 1/2"	8"	BX-154
3 1/16" 20M	158	173	8	1 3/8"	6 3/4"	10 1/4"	BX-154
4 1/16" 2M	44	46	8	7/8"	4 5/8"	6 1/2"	R-37
4 1/16" 3M	58	58	8	1 1/8"	5 1/2"	7 1/2"	R-37

Flange Size	Weight - LBS		No. Bolt Holes	Bolt Size	Tap End Stud Length	All Thread Bolt Length	Ring Gasket No.
	Weldneck	Blind					
4 1/16" 5M	78	76	8	1 1/4"	6 1/8"	8 1/2"	R-39
4 1/16" 10M	99	125	8	1 1/8"	5 3/4"	8 1/2"	BX-155
4 1/16" 15M	143	170	8	1 3/8"	6 1/2"	9 3/4"	BX-155
4 1/16" 20M	299	329	8	1 3/4"	8 3/8"	12 1/2"	BX-155
5 1/8" 2M	75	77	8	1"	5 1/4"	7 1/4"	R-41
5 1/8" 3M	92	94	8	1 1/4"	6"	8 1/4"	R-41
5 1/8" 5M	146	144	8	1 1/2"	7 3/8"	10 1/2"	R-44
5 1/8" 10M	140	135	12	1 1/8"	6"	9 1/4"	BX-169
5 1/8" 15M	231	220	12	1 1/2"	7 5/8"	11 1/2"	BX-169
7 1/16" 2M	88	92	12	1"	5 3/8"	7 1/2"	R-45
7 1/16" 3M	119	120	12	1 1/8"	5 7/8"	8 1/2"	R-45
7 1/16" 5M	176	177	12	1 3/8"	7 1/2"	11 1/4"	R-46
7 1/16" 10M	320	315	12	1 1/2"	7 3/4"	11 3/4"	BX-156
7 1/16" 15M	405	390	16	1 1/2"	8 3/8"	13"	BX-156
7 1/16" 20M	949	894	16	2"	11 1/8"	17 3/4"	BX-156
9" 2M	130	147	12	1 1/8"	5 7/8"	8 1/2"	R-49
9" 3M	205	205	12	1 3/8"	6 3/4"	9 1/2"	R-49
9" 5M	307	300	12	1 5/8"	8 1/2"	12 1/2"	R-50
9" 10M	488	499	16	1 1/2"	8 1/2"	13 1/2"	BX-157
9" 15M	842	807	16	1 7/8"	10 1/8"	16"	BX-157
9" 20M	1738	159	16	2 1/2"	13 3/4"	21 3/4"	BX-157
11" 2M	248	240	16	1 1/4"	6 1/2"	9 1/4"	R-53
11" 3M	302	301	16	1 3/8"	7"	10"	R-53
11" 5M	534	512	12	1 7/8"	9 5/8"	14 1/4"	R-54
11" 10M	773	809	16	1 3/4"	9 3/4"	15 1/4"	BX-158
11" 15M	1950	1619	20	2"	12"	19 1/2"	BX-158
11" 20M	2236	2198	16	2 3/4"	15"	23 3/4"	BX-158
13 5/8" 2M	242	302	20	1 1/4"	6 5/8"	9 1/2"	R-57

Flange Size	Weight - LBS		No. Bolt Holes	Bolt Size	Tap End Stud Length	All Thread Bolt Length	Ring Gasket No.
	Weldneck	Blind					
13 5/8" 3M	360	419	20	1 3/8"	7 3/8"	10 3/4"	R-57
13 5/8" 5M	617	744	16	1 5/8"	8 3/8"	12 3/4"	BX-160
13 5/8" 10M	1237	1329	20	1 7/8"	11"	17 3/4"	BX-159
13 5/8" 15M	2009	2098	20	2 1/4"	13 1/4"	21 1/4"	BX-159
13 5/8" 20M	5075	5008	20	3"	18 1/8"	29 3/4"	BX-159
16 3/4" 2M	430	515	20	1 1/2"	7 1/2"	10 3/4"	R-65
16 3/4" 3M	437	637	20	1 5/8"	8 3/8"	12 1/4"	R-66
16 3/4" 5M	810	1086	16	1 7/8"	9 1/2"	14 3/4"	BX-162
16 3/4" 10M	1465	1813	24	1 7/8"	11"	17 3/4"	BX-162
18 3/4" 5M	1617	1872	20	2"	11 1/4"	17 3/4"	BX-163
18 3/4" 10M	2999	3256	24	2 1/4"	14"	22 3/4"	BX-164
18 3/4" 15M	4358	4628	20	3"	16 3/4"	26 3/4"	BX-164
21 1/4" 2M	636	843	24	1 5/8"	8 3/8"	12 1/4"	R-73
20 3/4" 3M	845	1131	20	2"	10 1/8"	15"	R-74
21 1/4" 5M	2087	2463	24	2"	11 3/4"	19"	BX-165
21 1/4" 10M	3878	4304	24	2 1/2"	15 1/8"	24 3/4"	BX-166
26 3/4" 2M	1435	1931	20	1 3/4"	8 1/8"	14 1/4"	BX-167
26 3/4" 3M	2088	2566	24	2"	11"	17 1/2"	BX-168

All information above is considered for reference only and cannot be relied on for critical determinations. Weights can change based on neck sizes, material, and any other modifications to the design. 6B flange weights are based on nominal neck sizes. MSM does not assume liability for any of the above and potential errors that may be listed.