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## API Flange Weight Reference Chart 2

Includes API Spec 17D SS Line Pipe, SS Full Bore, and SV Full Bore Weld Neck Flanges

TRADEMARK



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See page 5 of this document for important notes.

API 17D Flange Size	API 17D Weld Neck Weight Lbs.	API 6A Blind Weight Lbs.	No. of Studs or Bolts per set	Weight for 1 Set of All Thread Studs with 2 nuts each. SS to SS Lbs.	Weight for 1 Set of All Thread Studs with 2 nuts each. SS to SV or 6BX to SV Lbs.	Weight for 1 Set of Tap End Studs with 1 nut each. SS to SS Lbs.	Weight for 1 Set of Tap End Studs with 1 nut each. SS to SV or 6BX to SV Lbs.	Ring Gasket	
								Gasket Number	Wt Lbs.
1-13/16-10M SV Full Bore	29.4	24.6	8	-	8.5	-	5.5	SBX-151	0.33
2-1/16-5M SS Line Pipe	31.9	27.2	8	11.6	12.7	7.2	8.1	SBX-152	0.41
2-1/16-5M SS Full Bore	31.1	27.2	8	11.6	12.7	7.2	8.1	SBX-152	0.41
2-1/16-5M SV Full Bore	39.3	27.2	8	-	12.7	-	8.1	SBX-152	0.41
2-1/16-10M SV Full Bore	34.8	30.4	8	-	8.5	-	5.5	SBX-152	0.41
2-9/16-5M SS Line Pipe	40.3	37.3	8	16.5	17.6	10.3	11.4	SBX-153	0.62
2-9/16-5M SS Full Bore	39.5	37.3	8	16.5	17.6	10.3	11.4	SBX-153	0.62
2-9/16-5M SV Full Bore	51.0	37.3	8	-	17.6	-	11.4	SBX-153	0.62
2-9/16-10M SV Full Bore	47.7	47.5	8	-	13.0	-	8.1	SBX-153	0.62
3-1/8-5M SS Line Pipe	52.9	49.6	8	23.5	24.9	14.6	15.8	SBX-154	0.85

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See page 5 of this document for important notes.

API 17D Flange Size	API 17D Weld Neck Weight Lbs.	API 6A Blind Weight Lbs.	No. of Studs or Bolts per set	Weight for 1 Set of All Thread Studs with 2 nuts each. SS to SS Lbs.	Weight for 1 Set of All Thread Studs with 2 nuts each. SS to SV or 6BX to SV Lbs.	Weight for 1 Set of Tap End Studs with 1 nut each. SS to SS Lbs.	Weight for 1 Set of Tap End Studs with 1 nut each. SS to SV or 6BX to SV Lbs.	Ring Gasket	
								Gasket Number	Wt Lbs.
3-1/8-5M SS Full Bore	51.2	49.6	8	23.5	24.9	14.6	15.8	SBX-154	0.85
3-1/8-5M SV Full Bore	63.2	49.6	8	-	24.9	-	15.8	SBX-154	0.85
3-1/16-10M SV Full Bore	74.9	73.2	8	-	18.8	-	12.0	SBX-154	0.85
4-1/16-5M SS Line Pipe	79.3	76.2	8	31.9	33.8	19.9	21.4	SBX-155	1.44
4-1/16-5M SS Full Bore	75.6	76.2	8	31.9	33.8	19.9	21.4	SBX-155	1.44
4-1/16-5M SV Full Bore	98.1	76.2	8	-	33.8	-	21.4	SBX-155	1.44
4-1/16-10M SV Full Bore	121.8	125.1	8	-	27.8	-	17.5	SBX-155	1.44
5-1/8-5M SS Line Pipe	146.8	143.8	8	56.6	60.2	35.0	38.1	SBX-169	1.74
5-1/8-5M SS Full Bore	140.5	143.8	8	56.6	60.2	35.0	38.1	SBX-169	1.74
5-1/8-5M SV Full Bore	181.8	143.8	8	-	60.2	-	38.1	SBX-169	1.74

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## API Flange Weight Reference Chart 2

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								Gasket Number	Wt Lbs.
5-1/8-10M SV Full Bore	172.0	134.5	12	-	43.9	-	27.4	SBX-169	1.74
7-1/16-5M SS Line Pipe	178.2	176.6	12	72.3	76.8	43.4	48.4	SBX-156	4.04
7-1/16-5M SS Full Bore	151.4	176.6	12	72.3	76.8	43.4	48.4	SBX-156	4.04
7-1/16-5M SV Full Bore	199.1	176.6	12	-	76.8	-	48.4	SBX-156	4.04
7-1/16-10M SV Full Bore	403.0	315.2	12	-	101.0	-	63.9	SBX-156	4.04
9-5M SS Line Pipe	325.9	299.8	12	114.9	122.9	70.2	77.3	SBX-157	6.40
9-5M SS Full Bore	275.4	299.8	12	114.9	122.9	70.2	77.3	SBX-157	6.40
9-5M SV Full Bore	329.8	299.8	12	-	122.9	-	77.3	SBX-157	6.40
9-10M SV Full Bore	609.4	498.5	16	-	149.0	-	93.2	SBX-157	6.40

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								Gasket Number	Wt Lbs.
11-5M SS Line Pipe	573.9	512.3	12	175.5	188.4	107.0	118.8	SBX-158	9.36
11-5M SS Full Bore	495.4	512.3	12	175.5	188.4	107.0	118.8	SBX-158	9.36
11-5M SV Full Bore	575.3	512.3	12	-	188.4	-	118.8	SBX-158	9.36
11-10M SV Full Bore	954.5	809.3	16	-	233.2	-	146.2	SBX-158	9.36
13-5/8-10M SV Full Bore	1494.9	1329.3	20	-	378.2	-	235.5	SBX-159	14.08

WOODCO USA has offered a weight approximation for flanges for which API has not specified a weld neck version. All weights rounded to the nearest tenth of a pound (Lb.), except ring gaskets shown in pounds with decimals to 2 places. With regard to flanges, various tolerances contribute to significant differences in weights. More recently, API 6A has increased the tolerance on bolt holes adding further variation to weight. Consider all flange weights approximate.

SV Swivel Flange weights include ring and hub together.

SV Swivel Flanges have no API specified weld necks, but as Swivel Flanges must have attachment by welding, WOODCO USA has proposed weld necks. WOODCO USA has followed the API pattern of offering only full bore weld necks for 10M Swivel Flanges but offers 5M Swivel Flanges with both line pipe bores and full bores.

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