

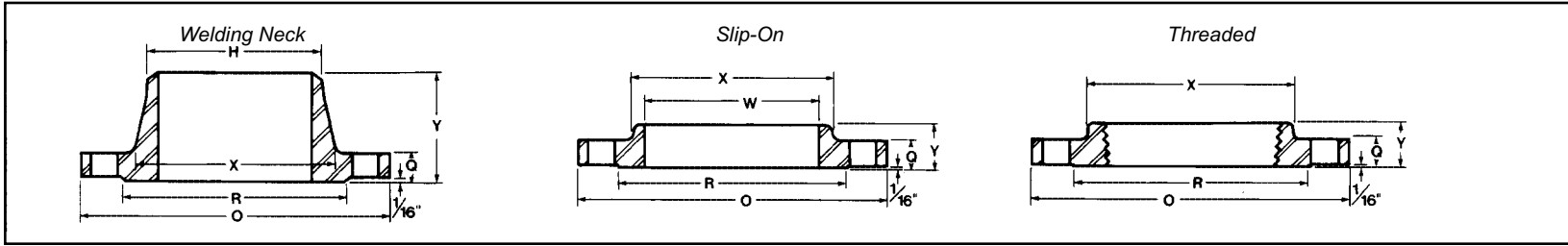
AMERICAN STANDARD FLANGE FACINGS

For 150, 300, 400, 600, 900, 1500 and 2500 lbs. Flanges

Nominal Pipe Size	Outside Diameter ³			I.D. of Large & Small Tongue ^{3,5}	Outside Diameter ³			I.D. of Large & Small Groove ^{3,5}	Height		Depth of Groove or Female	
	Raised Face, Lap Joint, Large Male & Large Tongue ⁵		Small Tongue ⁵		Large Female & Large Groove ⁵	Small Female ^{4,5}	Small Groove ⁵		Raised Size 150 & 300-Pound Standards ³	Raised Face, Large & Small Male & Tongue 400, 600, 900, 1500 & 2500 Pound Standards ²		
	R	S								T		U
1/2	1-3/8	22/32	1-3/8	1	1-7/16	25/32	1-7/16	15/16	1/16	1/4	3/16	
3/4	1-11/16	15/16	1-11/16	1-5/16	1-3/4	1	1-3/4	1-1/4	1/16	1/4	3/16	
1	2	1-3/16	1-7/8	1-1/2	2-1/16	1-1/4	1-15/16	1-7/16	1/16	1/4	3/16	
1-1/4	2-1/2	1-1/2	2-1/4	1-7/8	2-9/16	1-9/16	2-5/16	1-13/16	1/16	1/4	3/16	
1-1/2	2-7/8	1-3/4	2-1/2	2-1/8	2-15/16	1-13/16	2-9/16	2-1/16	1/16	1/4	3/16	
2	3-5/8	2-1/4	3-1/4	2-7/8	3-11/16	2-5/16	3-5/16	2-13/16	1/16	1/4	3/16	
2-1/2	4-1/8	2-11/16	3-3/4	3-3/8	4-3/16	2-3/4	3-13/16	3-5/16	1/16	1/4	3/16	
3	5	3-5/16	4-5/8	4-1/4	5-1/16	3-3/8	4-11/16	4-3/16	1/16	1/4	3/16	
3-1/2	5-1/2	3-13/16	5-1/8	4-3/4	5-9/16	3-7/8	5-3/16	4-11/16	1/16	1/4	3/16	
4	6-3/16	4-5/16	5-11/16	5-3/16	6-1/4	4-3/8	5-3/4	5-1/8	1/16	1/4	3/16	
5	7-5/16	5-3/8	6-13/16	6-5/16	7-3/8	5-7/16	6-7/8	6-1/4	1/16	1/4	3/16	
6	8-1/2	6-3/8	8	7-1/2	8-9/16	6-7/16	8-1/16	7-7/16	1/16	1/4	3/16	
8	10-5/8	8-3/8	10	9-3/8	10-11/16	8-7/16	10-1/16	9-5/16	1/16	1/4	3/16	
10	12-3/4	10-1/2	12	11-1/4	12-13/16	10-9/16	12-1/16	11-3/16	1/16	1/4	3/16	
12	15	12-1/2	14-1/4	13-1/2	15-1/16	12-9/16	14-5/16	13-7/16	1/16	1/4	3/16	
14	16-1/4	13-3/4	15-1/2	14-3/4	16-5/16	13-13/16	15-9/16	14-11/16	1/16	1/4	3/16	
16	18-1/2	15-3/4	17-5/8	16-3/4	18-9/16	15-13/16	17-11/16	16-11/16	1/16	1/4	3/16	
18	21	17-3/4	20-1/8	19-1/4	21-1/16	17-13/16	20-3/16	19-3/16	1/16	1/4	3/16	
20	23	19-3/4	22	21	23-1/16	19-13/16	22-1/16	20-15/16	1/16	1/4	3/16	
24	27-1/4	23-3/4	26-1/4	25-1/4	27-5/16	23-13/16	26-5/16	25-3/16	1/16	1/4	3/16	

1. Regular facing for 150 and 300 Lb. steel flanged fittings and flange standards is a 1/16 inch raised face included in the minimum flange thickness. A 1/16 inch raised face is also permitted on the 400, 600, 900, 1500 and 2500 Lb. flange standards, but it must be added to the minimum flange thickness.
2. Regular facing for 400, 600, 900, 1500 and 2500 Lb. flange standards is a 1/4 inch raised face not included in minimum flange thickness dimensions.
3. A tolerance of plus or minus 0.016 inch (1/64 inch) is allowed on the inside and outside diameters of all facings.
4. Care should be taken in the use of joints of these dimensions, (they apply particularly on lines where the joint is made on the end of pipe) to insure that pipe used is thick enough to permit sufficient bearing surface to prevent crushing the gasket. Threaded companion flanges are furnished with plain face and are threaded with American Standard Locknut Thread.
5. Gaskets for male-female and tongue-groove joints shall cover the bottom of the recess with minimum clearances taking into account the tolerances prescribed in Note 3.

All dimensions are in inches.



Nominal Pipe Size	Outside Diameter of Flange O	Thickness of Flange Q	Diameter of Raised Face R	Diameter of Hub at Base X	Length Thru Hub			Diameter or Bore		Diameter of Hub at Bevel H	Radius of Fillet r	Depth of Socket Z
					Welding Neck Y	Slip-On, Threaded Socket Y	Lap Joint Y	Slip-on, Socket W	Lap Joint B			
1/2	3-1/2	7/16	1-3/8	1-3/16	1-7/8	5/8	5/8	.88	.90	.84	1/8	3/8
3/4	3-7/8	1/2	1-11/16	1-1/2	2-1/16	5/8	5/8	1.09	1.11	1.05	1/8	7/16
1	4-1/4	9/16	2	1-15/16	2-3/16	11/16	11/16	1.36	1.38	1.32	1/8	1/2
1-1/4	4-5/8	5/8	2-1/2	2-5/16	2-1/4	13/16	13/16	1.70	1.72	1.66	3/16	9/16
1-1/2	5	11/16	2-7/8	2-9/16	2-7/16	7/8	7/8	1.95	1.97	1.90	1/4	5/8
2	6	3/4	3-5/8	3-1/16	2-1/2	1	1	2.44	2.46	2.38	5/16	11/16
2-1/2	7	7/8	4-1/8	3-9/16	2-3/4	1-1/8	1-1/8	2.94	2.97	2.88	5/16	3/4
3	7-1/2	15/16	5	4-1/4	2-3/4	1-3/16	1-3/16	3.57	3.60	3.50	3/8	13/16
3-1/2	8-1/2	15/16	5-1/2	4-13/16	2-13/16	1-1/4	1-1/4	4.07	4.10	4.00	3/8	7/8
4	9	15/16	6-3/16	5-5/16	3	1-5/16	1-5/16	4.57	4.60	4.50	7/16	15/16
5	10	15/16	7.5/16	6-7/16	3-1/2	1-7/16	1-7/16	5.66	5.69	5.56	7/16	15/16
6	11	1	8-1/2	7-9/16	3-1/2	1-9/16	1-9/16	6.72	6.75	6.63	1/2	1-1/16
8	13-1/2	1-1/8	10-5/8	9-11/16	4	1-3/4	1-3/4	8.72	8.75	8.63	1/2	1-1/4
10	16	1-3/16	12-3/4	12	4	1-15/16	1-15/16	10.88	10.92	10.75	1/2	1-5/16
12	19	1-1/4	15	14-3/8	4-1/2	2-3/16	2-3/16	12.88	12.92	12.75	1/2	1-9/16
14	21	1-3/8	16-1/4	15-3/4	5	2-1/4	3-1/8	14.14	14.18	14.00	1/2	1-5/8
16	23-1/2	1-7/16	18-1/2	18	5	2-1/2	3-7/16	16.16	16.19	16.00	1/2	1-3/4
18	25	1-9/16	21	19-7/8	5-1/2	2-11/16	3-13/16	18.18	18.20	18.00	1/2	1-15/16
20	27-1/2	1-11/16	23	22	5-11/16	2-7/8	4-1/16	20.20	20.25	20.00	1/2	2-1/8
24	32	1-7/8	27-1/4	26-1/8	6	3-1/4	4-3/8	24.25	24.25	24.00	1/2	2-1/2

All dimensions are in inches.