



	R	O	T	H	X	A	Tg
1	50.8	125	36.6	81	54	33.5	6.4
1½	73.0	155	36.6	84	70	48.3	6.4
2	92.1	165	36.6	84	84	60.3	6.4
2½	104.8	190	36.6	87	100	73.0	6.4
3	127.0	210	36.6	87	117	88.9	9.5
4	157.2	275	38.1	102	152	114.3	12.7
6	215.9	355	47.7	117	222	168.3	12.7
8	269.9	420	55.6	133	273	219.1	12.7
10	323.8	510	63.5	152	343	273.0	12.7
12	381.0	560	66.7	156	400	323.8	12.7
14	412.8	605	69.9	165	432	355.6	12.7
16	469.9	685	76.2	178	495	406.4	12.7
18	533.4	745	82.6	184	546	457.2	12.7
20	584.2	815	88.9	190	610	508.0	12.7
24	692.2	940	101.6	203	718	609.6	12.7

NPS	BOLT CIRCLE	NO OF BOLTS	DIA OF HOLES	DIA STUD BOLTS	STUD BOLT LENGTH
1	88.9	4	11/16	5/8	125
1½	114.3	4	13/16	3/4	135
2	127.0	8	11/16	5/8	125
2½	149.2	8	13/16	3/4	135
3	168.3	8	13/16	3/4	135
4	215.9	8	1	7/8	150
6	292.1	12	1.1/8	1	180
8	349.2	12	1¼	1.1/8	195
10	431.8	16	1.3/8	1¼	220
12	489.0	20	1.3/8	1¼	230
14	527.0	20	1½	1.3/8	240
16	603.2	20	1.5/8	1½	260
18	654.0	20	1¾	1.5/8	280
20	723.9	24	1¾	1.5/8	300
24	838.2	24	2	1.7/8	335

General Note:

- Height of Raised Face (RF) in CLASS 600 is 2 mm at NPS 1 – NPS 3, and 7 mm at NPS 4 – NPS 24.
- Dimensions are in millimeters, except for bolts and bolt holes.
- Weld neck flanges NPS 3 and smaller are identical to Class 300 flanges except for bolting and may be used for such service.
- Ring joint flange in NPS 24 will require an angular meter tap.
- All other dimensions are in accordance with ASME B16.5.
- Bolt lengths for raised face flanges include allowance for orifice and gasket thickness of 6 mm (0.25 in.) for NPS 1 to NPS 12. Bolt lengths for ring-type joint flanges include allowance of 15 mm (0.62 in.) for NPS 1 to NPS 3.
- The length of the Stud Bolt does not include the height of the chamfers (points).
- Bore (B) is to be specified by the purchaser.

## ASME B16.36 CLASS 600 FLANGES INDUSTRIES AND APPLICATIONS

### WIDELY USED IN THE INDUSTRIES

- Pumps, Valves, and vessels in manufacturing and food processing.
- Pipe connections in industrial waterworks.
- Heat exchangers and heating systems of all sizes.
- Mining support.
- Nuclear power systems.
- Plumbing and mechanical systems.
- Assemblies in the oil, gas, and petrochemical industries.
- Fire protection systems.