

| | 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 | 240 | 38.1 | 102 | 127 | 88.9 | 9.5 |
| 4 | 157.2 | 290 | 44.5 | 114 | 159 | 114.3 | 12.7 |
| 6 | 215.9 | 380 | 55.6 | 140 | 235 | 168.3 | 12.7 |
| 8 | 269.9 | 470 | 63.5 | 162 | 298 | 219.1 | 12.7 |
| 10 | 323.8 | 545 | 69.9 | 184 | 368 | 273.0 | 12.7 |
| 12 | 381.0 | 610 | 79.4 | 200 | 419 | 323.8 | 12.7 |
| 14 | 412.8 | 640 | 85.8 | 213 | 451 | 355.6 | 12.7 |
| 16 | 469.9 | 705 | 88.9 | 216 | 508 | 406.4 | 12.7 |
| 18 | 533.4 | 785 | 101.6 | 229 | 565 | 457.2 | 12.7 |
| 20 | 584.2 | 855 | 108.0 | 248 | 622 | 508.0 | 12.7 |
| 24 | 692.2 | 1040 | 139.7 | 292 | 749 | 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 | 190.5 | 8 | 1 | 7/8 | 150 |
| 4 | 235.0 | 8 | 1¼ | 1.1/8 | 180 |
| 6 | 317.5 | 12 | 1¼ | 1.1/8 | 195 |
| 8 | 393.7 | 12 | 1½ | 1.3/8 | 230 |
| 10 | 469.9 | 16 | 1½ | 1.3/8 | 240 |
| 12 | 533.4 | 20 | 1½ | 1.3/8 | 260 |
| 14 | 558.8 | 20 | 1.5/8 | 1½ | 280 |
| 16 | 616.0 | 20 | 1¾ | 1.5/8 | 290 |
| 18 | 685.8 | 20 | 2 | 1.7/8 | 330 |
| 20 | 749.3 | 20 | 2.1/8 | 2 | 355 |
| 24 | 901.7 | 20 | 2 5/8 | 2½ | 445 |

General Note:

Height of Raised Face (RF) in CLASS 900 is 7 mm.

Dimensions are in millimeters, except for bolts and bolt holes.

Ring joint fanges larger than NPS 12 will require angular meter taps.

All other dimensions are in accordance with ASME B16.5.

Bolt lengths for raised face fanges 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 fanges include allowance of 15 mm (0.62 in.) for NPS 1 to NPS 3.

Other NPT sizes may be furnished if required.

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 900 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.