

REDUCING THREADED AND SLIP-ON PIPE FLANGES

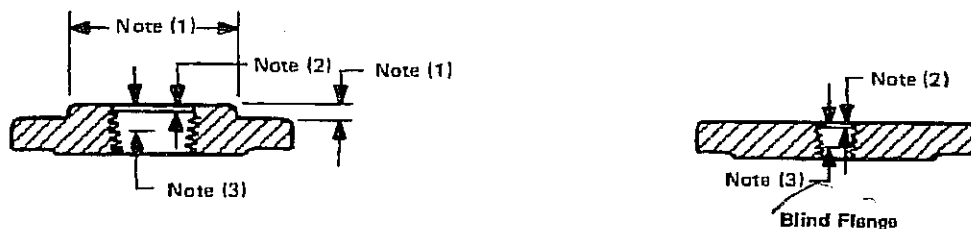


TABLE 7 REDUCING THREADED AND SLIP-ON FLANGES FOR CLASSES 150 TO 2500

1	2	3	4	5	6
Nominal Pipe Size (4)	Smallest Size (1) of Reducing Outlet Requiring Hub Flanges	Nominal Pip Size (4)	Smallest Size (1) of Reducing Outlet Requiring Hub Flanges	Nominal Pipe Size (4)	Smallest Size (1) of Reducing Outlet Requiring Hub Flanges
1	$\frac{1}{2}$	$3\frac{1}{2}$	$1\frac{1}{2}$	12	$3\frac{1}{2}$
$1\frac{1}{4}$	$\frac{1}{2}$	4	$1\frac{1}{2}$	14	$3\frac{1}{2}$
$1\frac{1}{2}$	$\frac{1}{2}$	5	$1\frac{1}{2}$	16	4
2	1	6	$2\frac{1}{2}$	18	4
$2\frac{1}{2}$	$1\frac{1}{4}$	8	3	20	4
3	$1\frac{1}{4}$	10	$3\frac{1}{2}$	24	4

NOTES:

- (1) The hub dimensions shall be at least as large as those of the standard flanges of the size to which the reduction is being made, except flanges reducing to a size smaller than those of Columns 2, 4, and 6 may be made from blind flanges. See Example 2.
- (2) Class 150 flanges do not have a counterbore. Class 300 and higher pressure flanges will have depth of counterbore q of 0.25 in. for NPS 2 and smaller tapping and 0.38 in. for NPS $2\frac{1}{2}$ and larger. The diameter Q of counterbore is the same as that given in the tables of threaded flanges for the corresponding tapping.
- (3) Minimum length of effective threads shall be at least equal to dimension T of the corresponding pressure class threaded flange as shown in tables but does not necessarily extend for the face of the flange. For thread of threaded flanges, see para. 6.9.
- (4) For method of designating reducing threaded flanges, see para. 3.3 and Examples below.

EXAMPLES:

- (1) The size designation is NPS 6 x $2\frac{1}{2}$ — Class 300 reducing threaded flange. This flange has the following dimensions:
 NPS $2\frac{1}{2}$ = taper pipe thread tapping (ASME B1.20.1)
 12.5 in. = diameter of regular NPS 6 Class 300 threaded flange
 1.44 in. = thickness of regular NPS 6 Class 300 threaded flange
 7.0 in. = diameter of hub for regular NPS 5 Class 300 threaded flange
 0.62 in. = height of hub for regular NPS 5 Class 300 thread flange
 Other dimensions the same as for regular NPS 6 Class 300 threaded flange, Table 12.
- (2) The size designation is NPS 6 x 2 — Class 300 reducing threaded flange. Use regular NPS 6 Class 300 blind flange tapped with NPS 2 taper pipe thread (ASME B1.20.1).