

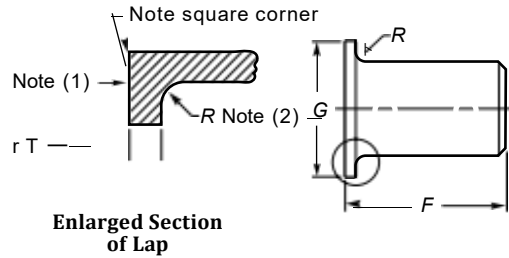


ASME B16.9

DIMENSIONS OF LAP JOINT STUB ENDS

Jinie Technology (Jiangsu) Co., Ltd.

www.jnalloy.com
www.jnalloys.com
Info@jnalloy.com
+86 19339900211



DIMENSIONS OF LAP JOINT STUB ENDS

Nominal Pipe Size (NPS)	DN	Outside Diameter of Barrel		Long Pattern Length, F [Notes (3), (4)]	Short Pattern Length, F [Notes (3), (4)]	Radius of Fillet, R [Note (5)]	Diameter of Lap, G [Note (6)]
		Max.	Min.				
1/2	15	22.8	20.5	76	51	3	35
3/4	20	28.1	25.9	76	51	3	43
1	25	35.0	32.6	102	51	3	51
1 1/4	32	43.6	41.4	102	51	5	64
1 1/2	40	49.9	47.5	102	51	6	73
2	50	62.4	59.5	152	64	8	92
2 1/2	65	75.3	72.2	152	64	8	106
3	80	91.3	88.1	152	64	10	127
3 1/2	90	104.0	100.8	152	76	10	140
4	100	116.7	113.5	152	76	11	157
5	125	144.3	140.5	203	76	11	185
6	150	171.3	167.5	203	89	13	218
8	200	222.1	218.3	203	102	13	270
10	250	277.2	272.3	254	127	13	324
12	300	328.0	323.1	254	152	13	381
14	350	359.9	354.8	305	152	13	413
16	400	411.0	405.6	305	152	13	470
18	450	462	456	305	152	13	533
20	500	514	507	305	152	13	584
22	550	565	558	305	152	13	641
24	600	616	609	305	152	13	692

GENERAL NOTES:

(a) All dimensions are in millimeters.

(b) Service conditions and joint construction often dictate stub end length requirements. Therefore, the purchaser must specify long or short pattern fitting when ordering.

NOTES:

(1) Gasket face finish shall be in accordance with ASME B16.5 for raised face flanges.

(2) The lap thickness T shall not be less than nominal pipe wall thickness.

(3) When short pattern stub ends are used with larger flanges in Classes 300 and 600, (PN50 & PN110) and with most sizes in Classes 900 (PN150) and higher, and when long pattern stub ends are used with larger flanges in Classes 1500 and 2500, (PN260 AND PN420) it may be necessary to increase the length of the stub ends in order to avoid covering the weld with the flange. Such increases in length shall be a matter of agreement between the manufacturer and purchaser.

(4) When special facings such as tongue and groove, male and female, etc., are employed, additional lap thickness must be provided, and such additional thickness shall be in addition to (not included in) the basic length F .

(5) These dimensions conform to the radius established for lap joint flanges in ASME B16.5, Pipe Flanges and Forged Fittings.

(6) This dimension conforms to standard machined facings shown in ASME B16.5. The back face of the lap shall be machined to conform to the surface on which it seats. Where ring joint facings are to be applied, use dimension K as given in ASME B16.5.