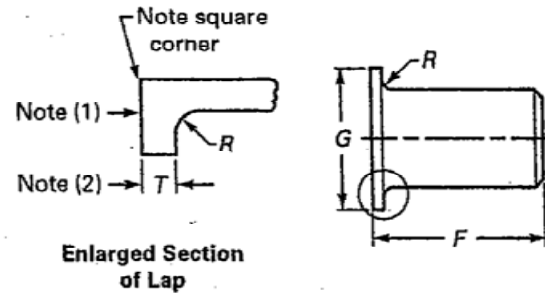


Stub Ends

ASME B 16.9 - 2007



Nominal Pipe Size (NPS)	outside diameter of Barrel		Long Pattern Length		Short Pattern Length		Radius of Fillet		Diameter of Lap	
	MAX.	MIN.	F(Notes 1 & 2)		F(Notes 1 & 2)		R (Note 3)		G (Note 4)	
1/2	22.8	20.5	76		51		3		35	
3/4	28.1	25.9	76		51		3		43	
1	35	32.6	102		51		3		51	
1.1/4	43.6	41.4	102		51		5		64	
1.1/2	49.9	47.5	102		51		6		73	
2	62.4	59.5	152		64		8		92	
2.1/2	75.3	72.2	152		64		8		105	
3	91.3	88.1	152		64		10		127	
3.1/2	104	100.8	152		76		10		140	
4	116.7	113.5	152		76		11		157	
5	144.3	140.5	203		76		11		186	
6	171.3	167.5	203		89		13		216	
8	222.1	218.3	203		102		13		270	
10	277.2	272.3	254		127		13		324	
12	328	323.1	254		152		13		381	
14	359.9	354.8	305		152		13		413	
16	411	405.6	305		152		13		470	
18	462	456	305		152		13		533	
20	514	507	305		152		13		584	
22	565	558	305		152		13		641	
24	616	609	305		152		13		692	

- 1) when short pattern stub ends are used with larger Flanges in Classes 300 and 600, with most sizes in Classes 900 and heigher and when short pattern stub ends are used with larger Flanges in Classes 1500 and 2500, 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 manufactures and purchaser
- 2) When special facings such as tongue and groove, male and female etc., are employed, additional lap thicknesss must be provided and such additional thickness shall be in addition to (not included in) the basic length F,
- 3) This dimensions conform to the radius established for lap joint flanges in ASME B 16.5
- 4) This dimension conforms to standard machined facings shown in ASME B 16.5. 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 B 16.5