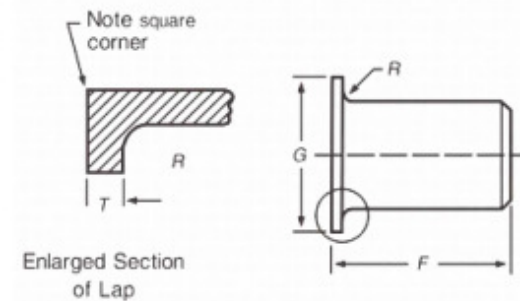


SPECIFICATION

Stub Ends

Lap Joint Stub Ends
 ASME/ANSI B16.9
 MSS SP-43

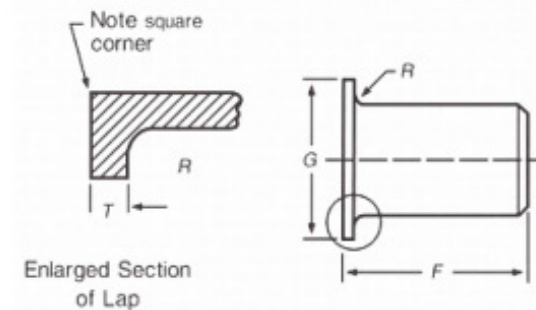


Nominal Pipe Size		Outside Diameter at Bevel, OD	Long Pattern Length, F	Short Pattern Length, F	Radius of Fillet, R	Diameter of Lap, G
DN	NPS					
15	1/2"	21.3	76	51	3	35
20	3/4"	26.7	76	51	3	43
25	1"	33.4	102	51	3	51
32	1-1/4"	42.2	102	51	5	64
40	1-1/2"	48.3	102	51	6	73
50	2"	60.3	152	64	8	92
65	2-1/2"	73	152	64	8	105
80	3"	88.9	152	64	10	127
90	3-1/2"	101.6	152	76	10	140
100	4"	114.3	152	76	11	157
125	5"	141.3	203	76	11	186
150	6"	168.3	203	89	13	216
200	8"	219.1	203	102	13	270
250	10"	273	254	127	13	324
300	12"	323.8	254	152	13	381
350	14"	355.6	305	152	13	413
400	16"	406.4	305	152	13	470
450	18"	457	305	152	13	533
500	20"	508	305	152	13	584

SPECIFICATION

Stub Ends

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Nominal Pipe Size		Outside Diameter at Bevel, OD	Long Pattern Length, F	Short Pattern Length, F	Radius of Fillet, R	Diameter of Lap, G
DN	NPS					
550	22"	559	305	152	13	641
600	24"	610	305	152	13	692

Note:

- All dimensions are in millimeters
- Gasket face finish shall be in accordance with ASME B16.5 for raised face flanges.
- The lap thickness T shall not be less than nominal pipe wall thickness
- When short pattern stub ends are used with larger flanges in Classes 300 and 600, and with most sizes in Classes 900 and higher, and when long 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 manufacturer and purchaser.
- 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.
- These dimensions conform to the radius established for lap joint flanges in ASME B16.5.
- 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 in ASME B16.5.