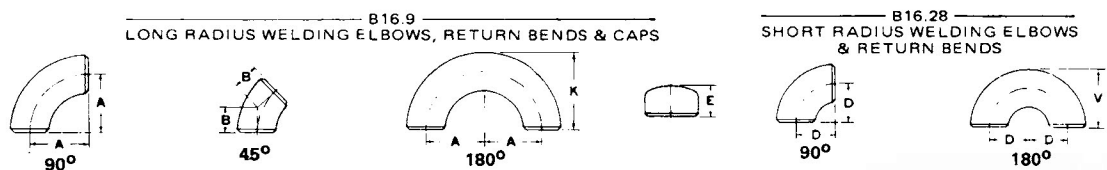


Carbon Steel Buttweld Fittings

To ANSI B16.9, B16.28 & B51640



NOMINAL SIZES SHOWN ARE
▽DN: SI METRIC TERM ▮NPS: ANSI TERM

Nom. Size		PIPE OD mm	WALL THICKNESS — MILLIMETRES (mm)													A	B	K	D	V	E. Std. Wt. & Ex. Stg	Nom. Size		
▽ DN	┐ NPS		Sch. 10	Sch. 20	Sch. 30	Std. Wt.	Sch. 40	Sch. 60	X Stg.	Sch. 80	Sch. 100	Sch. 120	Sch. 140	Sch. 160	X.X. Stg.							▽ DN	┐ NPS	
15	½	21.3	-	-	-	2.77	↑ SAME AS STD. WT. ↓	-	3.73	↑ SAME AS X. STG. ↓	-	-	-	4.78	7.47	38	16	47.5	-	-	25.4	15	½	
20	¾	26.7	-	-	-	2.87		-	3.91		-	-	-	-	5.56	7.82	28.5	11	43	19	33	25.4	20	¾
25	1	33.4	-	-	-	3.38		-	4.55		-	-	-	-	6.35	9.09	38	22	55.5	25.4	41	38.1	25	1
32	1¼	42.2	-	-	-	3.56		-	4.85		-	-	-	-	6.35	9.70	47.5	25.4	70	32	52	38.1	32	1¼
40	1½	48.3	-	-	-	3.68		-	5.08		-	-	-	-	7.14	10.15	57	29	82.5	38	62	38.1	40	1½
50	2	60.3	-	-	-	3.91	↑ SAME AS STD. WT. ↓	-	5.54	↑ SAME AS X. STG. ↓	-	-	-	8.74	11.07	76	35	106	51	81	38.1	50	2	
65	2½	73.0	-	-	-	5.16		-	7.01		-	-	-	-	9.53	14.02	95	44.5	132	63.5	100	38.1	65	2½
80	3	88.9	-	-	-	5.49		-	7.62		-	-	-	-	11.13	15.24	114	51	159	76	121	50.8	80	3
90	3½	101.6	-	-	-	5.74		-	8.08		-	-	-	-	-	16.15	133	57	184	89	140	63.5	90	3½
100	4	114.3	-	-	-	6.02		↑ SAME AS STD. WT. ↓	-		8.56	↑ SAME AS X. STG. ↓	-	11.13	-	13.49	17.12	152	63.5	210	102	159	63.5	100
125	5	141.3	-	-	-	6.55	-		9.53	-	-		12.70	-	15.88	19.05	190	79	262	127	197	76.2	125	5
150	6	168.3	-	-	-	7.11	-		10.97	-	-		14.27	-	18.26	21.95	229	95	313	152	237	88.9	150	6
200	8	219.1	-	6.35	7.04	8.18	10.31		12.70	15.09	18.26		20.62	23.01	22.23	305	127	414	203	313	102	200	8	
250	10	273.1	-	6.35	7.80	9.27	12.70		12.70	18.26	21.44		25.40	28.58	25.40	381	159	517	254	390	127	250	10	
300	12	323.9	-	6.35	8.38	9.53	10.31	14.27	12.70	17.48	21.44	25.40	28.58	33.32	25.40	457	190	619	305	467	152	300	12	
350	14	355.6	6.35	7.92	9.53	9.53	11.13	15.09	12.70	19.05	23.83	27.79	31.75	35.71	-	533	222	711	356	533	165	350	14	
400	16	406.4	6.35	7.92	9.53	9.53	12.70	16.66	12.70	21.44	26.19	30.96	36.53	40.49	-	610	254	813	406	610	178	400	16	
450	18	457	6.35	7.92	11.13	9.53	14.27	19.05	12.70	23.83	29.36	34.93	39.67	45.24	-	686	286	914	457	686	203	450	18	
500	20	508	6.35	9.53	12.70	9.53	15.09	20.62	12.70	26.19	32.54	38.10	44.45	50.01	-	762	318	1016	508	762	229	500	20	
600	24	610	6.35	9.53	14.27	9.53	17.48	24.61	12.70	30.96	38.89	46.02	52.37	59.54	-	914	381	1219	610	914	267	600	24	
750	30	762	7.92	12.70	15.88	9.53	-	-	12.70	-	-	-	-	-	-	1143	470	1524	762	1143	267	750	30	
900	36	914	7.92	12.70	15.88	9.53	19.05	-	12.70	-	-	-	-	-	-	1372	565	-	914	1372	267	900	36	

All dimensions are in millimetres – (mm)

STRAIGHT TEES (B16.9) REDUCING TEES (B16.9) CONCENTRIC & ECCENTRIC REDUCERS (B16.9)



NOMINAL SIZES SHOWN ARE
▽DN: SI METRIC TERM ▮NPS: ANSI TERM

NOMINAL SIZE				C	M	H	NOMINAL SIZE				C	M	H	NOMINAL SIZE				C	M	H
DN ∇		NPS ⊥					DN ∇		NPS ⊥					DN ∇		NPS ⊥				
Large End	Small End	Large End	Small End				Large End	Small End	Large End	Small End				Large End	Small End	Large End	Small End			
20	20 15	¾	¾ ½	28.6 28.6	- 28.6	- 38.1	100	100	4	4	105	-	-	400	400	16	16	305	-	-
25	25	1	1	38.1	-	-		90		3½	105	102	102		350		14	305	305	356
	20		¾	38.1	38.1	50.8		80		3	105	98.4	102		300		12	305	295	356
	15		½	38.1	38.1	50.8		65		2½	105	95.3	102		250		10	305	283	356
								50		2	105	88.9	102		200		8	305	273	356
32	32	1¼	1¼	47.6	-	-	125	40	1½	105	85.7	102	150	6	305	264	356			
	25		1	47.6	47.6	50.8		125	5	124	-	-	450	18	343	-	-			
	20		¾	47.6	47.6	50.8		100	4	124	117	127	400	16	343	330	381			
	15		½	47.6	47.6	50.8		90	3½	124	114	127	350	14	343	330	381			
40	40	1½	1½	57.2	-	-	150	80	3	124	111	127	300	12	343	321	381			
	32		1¼	57.2	57.2	63.5		65	2½	124	108	127	250	10	343	308	381			
	25		1	57.2	57.2	63.5		50	2	124	105	127	200	8	343	298	381			
	20		¾	57.2	57.2	63.5														
50	15	½	57.2	57.2	63.5	200	150	6	143	-	-	500	20	381	-	-				
	50	2	63.5	-	-		125	5	143	137	140	450	18	381	368	508				
	40	1½	63.5	60.3	76.2		100	4	143	130	140	400	16	381	356	508				
	32	1¼	63.5	57.2	76.2		90	3½	143	127	140	350	14	381	356	508				
65	25	1	63.5	50.8	76.2	250	80	3	143	124	140	300	12	381	346	508				
	20	¾	63.5	44.5	76.2		65	2½	143	121	140	250	10	381	333	508				
	80	65	2½	76.2	-		-	200	8	178	-	-	200	8	381	324	508			
		50	2	76.2	69.9		88.9	150	6	178	168	152	600	24	432	-	-			
40		1½	76.2	66.7	88.9	125	5	178	162	152	500	20	432	432	508					
32		1¼	76.2	63.5	88.9	100	4	178	155	152	450	18	432	419	508					
90	25	1	76.2	57.2	88.9	300	80	3	178	152	152	400	16	432	406	508				
	80	80	3	85.7	-		-	250	10	216	-	-	350	14	432	406	508			
		65	2½	85.7	82.6		88.9	200	8	216	203	178	300	12	432	397	508			
		50	2	85.7	76.2		88.9	150	6	216	194	178	250	10	432	384	508			
90		40	1½	85.7	73.0	88.9	350	125	5	216	191	178	750	30	559	-	-			
	32	1¼	85.7	69.9	88.9	100		4	216	184	178	600	24	559	533	610				
	25	1	85.7	66.9	88.9	250		12	254	-	-	500	20	559	508	610				
	20	¾	85.7	63.5	88.9	200		10	254	241	203	450	18	559	495	610				
90	90	3½	95.3	-	-	350	150	6	254	219	203	400	16	559	483	610				
	80	3	95.3	92.1	102		250	8	254	229	203	900	36	673	-	-				
	65	2½	95.3	88.9	102		200	6	254	219	203	750	30	673	635	610				
	50	2	95.3	82.6	102		150	4	254	210	203	600	24	673	610	610				
90	40	1½	95.3	79.4	102	350	250	10	279	257	330	450	18	673	572	610				
	300	14	279	270	330		900	36	673	635	610	610	610							
	200	8	279	248	330															
	150	6	279	238	330															
Note: All dimensions are in millimetres – (mm)																				

Note: All dimensions are in millimetres – (mm)

CARBON STEEL BUTTWELD FITTINGS – DIMENSIONS

FLANGES – FORGED TO AMERICAN STANDARDS – DIMENSIONS