



FLARED END CONNECTION TYPES

CORRUGATED METAL PIPE FLARED END SECTIONS									
2 2/3 IN x 1/2 IN, 3 IN x 1 IN, AND 5 IN x 1 IN CORRUGATIONS									
PIPE DIAMETER	METAL THICKNESS	A	B	H	L	W	APPROXIMATE SLOPE	BODY	
IN	GAGE	IN	IN	IN	(±1 1/2 IN)	(±2 IN)			
15	16	0.064	7	8	6	26	30	1V:2.5H	1 PIECE
18	16	0.064	8	10	6	31	36	1V:2.5H	1 PIECE
24	16	0.064	10	13	6	41	48	1V:2.5H	1 PIECE
30	14	0.079	12	16	8	51	60	1V:2.5H	1 PIECE
36	14	0.079	14	19	9	60	72	1V:2.5H	2 PIECE
42	12	0.109	16	22	11	69	84	1V:2.5H	2 PIECE
48	12	0.109	18	27	12	78	90	1V:2.25H	2 PIECE
54	12	0.109	18	30	12	84	102	1V:2H	2 PIECE
60	12	0.109	18	33	12	87	114	1V:1.75H	3 PIECE
66	12	0.109	18	36	12	87	120	1V:1.50H	3 PIECE
72	12	0.109	18	39	12	87	126	1V:1.33H	3 PIECE
78	12	0.109	18	42	12	87	132	1V:1.25H	3 PIECE
84	12	0.109	18	45	12	87	138	1V:1.17H	3 PIECE

CORRUGATED METAL PIPE - ROUND FLARED END SECTIONS									
[68 x 13], [76 x 25], AND [125 x 25] CORRUGATIONS									
PIPE DIAMETER	METAL THICKNESS	A	B	H	L	W	APPROXIMATE SLOPE	BODY	
mm	mm	mm	mm	mm	mm	mm			
375	1.63	180	205	150	660	760	1V:2.5H	1 PIECE	
450	1.63	205	255	150	785	915	1V:2.5H	1 PIECE	
600	1.63	255	330	150	1040	1220	1V:2.5H	1 PIECE	
750	2.00	305	405	205	1295	1525	1V:2.5H	1 PIECE	
900	2.00	355	480	230	1525	1830	1V:2.5H	2 PIECE	
1050	2.77	405	560	280	1750	2135	1V:2.5H	2 PIECE	
1200	2.77	455	685	305	1980	2285	1V:2.25H	2 PIECE	
1350	2.77	455	760	305	2135	2590	1V:2H	2 PIECE	
1500	2.77	455	840	305	2210	2895	1V:1.75H	3 PIECE	
1650	2.77	455	915	305	2210	3050	1V:1.50H	3 PIECE	
1800	2.77	455	990	305	2210	3200	1V:1.33H	3 PIECE	
1950	2.77	455	1065	305	2210	3350	1V:1.25H	3 PIECE	
2100	2.77	455	1145	305	2210	3505	1V:1.17H	3 PIECE	

GENERAL NOTES

1. Ensure all pipe ends are re-rolled with annular corrugation.
2. A 1 in [25] wide, 12 Ga. [2.77] galvanized band strap with 1/2 in Ø x 6 in [13 Ø x 150] bolt and nut may be used in lieu of the rod and lug connector between CMP and Flared Ends for 15 in [375] through 24 in [600] round CMP and CMP Arch with spans of 17 in [425] thru 28 in [700].
3. Ensure three piece bodies to have 12 gage [2.77] sides and 10 gage [3.51] center panels. Multiple panel bodies to have lap seams tightly joined by 3/8 in [10] Ø galvanized rivets or bolts.
4. Supplement reinforced edges with galvanized stiffener angles for 60 in - 84 in [1500 - 2100] round CMP sizes and 81 in x 59 in [2025 x 1475] CMP Arch. Attach angles with galvanized nuts and bolts.
5. For connections use Type 3 and 4 annular type bands unless otherwise approved by the engineer.
6. Measure and pay for Type 3 flared end connector sector as pipe.

Designed by: WBW
 Drawn by: KAP
 Checked by: RRC
 Previous Des. No. 603-02D

GENERAL REQUIREMENTS AND ROUND CMP FLARED END DIMENSION TABLES

Note: Units shown in brackets [] are metric and are in millimeters (mm) unless other units are shown.



CMP FLARE END SECTIONS

STANDARD PLAN

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CORRUGATED METAL PIPE - ARCH FLARED END SECTIONS										
2 2/3 IN x 1/2 IN CORRUGATIONS										
PIPE DIMENSIONS SPAN - RISE	EQUIVALENT DIAMETER	METAL THICKNESS		A (±1 IN)	B (MAX.)	H (±1 IN)	L (±1 1/2 IN)	W (±2 IN)	APPROXIMATE SLOPE	BODY
		GAGE	IN							
17 x 13	15	16	0.064	7	9	6	19	30	1V:2.5H	1 PIECE
21 x 15	18	16	0.064	7	10	6	23	36	1V:2.5H	1 PIECE
24 x 18	21	16	0.064	8	12	6	28	42	1V:2.5H	1 PIECE
28 x 20	24	16	0.064	9	14	6	32	48	1V:2.5H	1 PIECE
35 x 24	30	14	0.079	10	16	6	39	60	1V:2.5H	1 PIECE
42 x 29	36	14	0.079	12	18	8	46	75	1V:2.5H	1 PIECE
49 x 33	42	12	0.109	13	21	9	53	85	1V:2.5H	2 PIECE
57 x 38	48	12	0.109	18	26	12	63	90	1V:2.5H	2 PIECE
64 x 43	54	12	0.109	18	30	12	70	102	1V:2.25H	2 PIECE
71 x 47	60	12	0.109	18	33	12	77	114	1V:2.25H	3 PIECE

CORRUGATED METAL PIPE - ARCH FLARED END SECTIONS										
3 IN x 1 IN AND 5 IN x 1 IN CORRUGATIONS										
PIPE DIMENSIONS SPAN X RISE	EQUIVALENT DIAMETER	METAL THICKNESS		A (±1 IN)	B (MAX.)	H (±1 IN)	L (±1 1/2 IN)	W (±2 IN)	APPROXIMATE SLOPE	BODY
		GAGE	IN							
60 x 46	54	12	0.109	18	30	12	70	102	1V:2.25H	2 PIECE
66 x 51	60	12	0.109	18	33	12	77	114	1V:2.25H	3 PIECE
73 x 55	66	12	0.109	18	36	12	77	126	1V:2H	3 PIECE
81 x 59	72	12	0.109	18	39	12	77	138	1V:2H	3 PIECE

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METRIC TABLE

CORRUGATED METAL PIPE - ARCH FLARED END SECTIONS										
[68 x 13] CORRUGATIONS										
PIPE DIMENSIONS SPAN X RISE	EQUIVALENT DIAMETER	METAL THICKNESS		A [±25]	B (MAX.)	H [±25]	L [±40]	W [±50]	APPROXIMATE SLOPE	BODY
		mm	mm							
425 x 325	375	1.63	180	230	150	480	760	1V:2.5H	1 PIECE	
525 x 375	450	1.63	180	255	150	585	915	1V:2.5H	1 PIECE	
600 x 450	525	1.63	205	305	150	710	1065	1V:2.5H	1 PIECE	
700 x 500	600	1.63	230	355	150	815	1220	1V:2.5H	1 PIECE	
875 x 600	750	2.00	255	405	150	990	1525	1V:2.5H	1 PIECE	
1050 x 725	900	2.00	305	455	205	1170	1905	1V:2.5H	1 PIECE	
1225 x 825	1050	2.77	330	535	230	1345	2160	1V:2.5H	2 PIECE	
1425 x 950	1200	2.77	455	660	305	1600	2285	1V:2.5H	2 PIECE	
1600 x 1075	1350	2.77	455	760	305	1780	2590	1V:2.25H	2 PIECE	
1775 x 1175	1500	2.77	455	840	305	1955	2895	1V:2.25H	3 PIECE	

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METRIC TABLE

CORRUGATED METAL PIPE - ARCH FLARED END SECTIONS										
[76 x 25] AND [125 x 25] CORRUGATIONS										
PIPE DIMENSIONS SPAN X RISE	EQUIVALENT DIAMETER	METAL THICKNESS		A [±25]	B (MAX.)	H [±25]	L [±40]	W [±50]	APPROXIMATE SLOPE	BODY
		mm	mm							
1500 x 1150	1350	2.77	455	760	305	1780	2590	1V:2.25H	2 PIECE	
1650 x 1275	1500	2.77	455	840	305	1955	2895	1V:2.25H	3 PIECE	
1825 x 1375	1650	2.77	455	915	305	1955	3200	1V:2H	3 PIECE	
2025 x 1475	1800	2.77	455	990	305	1955	3505	1V:2H	3 PIECE	

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ARCH CMP FLARED END DIMENSION TABLES

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CMP FLARED END SECTIONS

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