

# Pipe Outside Diameters

PRESSURE PIPE

PIPE MATERIAL	ABBREVIATION	STANDARD	DESIGNATION	50	65	80	100	125	150	175	200	225	250	300	350	375	400	450	500	575	600	675	750
DUCTILE IRON	DIDL	AS/NZS 2280	K9, K12, PN20, PN35, FLCL	-	-	96	122	-	177	-	232	259	286	345	-	426	-	507	560	-	667	-	826
		ISO 2531/EN 545	K9, K12, C25, C30, C40	-	-	98	118	-	170	-	222	-	274	326	378	-	429	480	532	-	635	-	-
		ISO 16631	C25 (Blutop)	-	75	90	110	125	140	160	-	-	-	-	-	-	-	-	-	-	-	-	-
STEEL	MSCL	AS 1579	6mm wall thickness	-	-	-	114	-	168	-	219	257	273	324	356	406	457	508	559	-	660	-	813
	GWJ	AS 1074		60	76	89	114	140	165	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POLYVINYL CHLORIDE (PVC)	UPVC	AS/NZS 1477	SERIES 1 (white)	60	-	89	114	140	160	200	225	250	280	315	-	400	-	500	560	630	-	-	-
	MPVC	AS/NZS 4765	SERIES 1 & 2																				
	OPVC	AS/NZS 4441	SERIES 2 (blue)	-	-	-	122	-	177	-	232	259	286	345	-	426	-	507	560	-	667	-	-
	Sched 80 & 40 UPVC Sched 80 CPVC	ASTM STD D1785, NSF 61	Varies subject to size- Refer to Viadux	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	
POLYETHYLENE (HDPE)	PE 80B or PE100	AS/NZS 4130	PN4, 6-3, 8, 10, 12.5, 16, 20	HDPE pipe DN = OD. Viadux supplies from DN20-DN1200, including the following standard sizes; 50, 63, 75, 90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630, 710.																			
GLASS REINFORCED PLASTIC	GRP	AS 3571	SN 5000 or SN10000	-	-	-	122	-	177	-	232	259	286	345	399	426	453	507	560	-	667	747	826
COPPER	CU	AS 1432	TYPE A OR B	51	64	76	102	127	152	-	203	229	-	-	-	-	-	-	-	-	-	-	-
ACRYLONITRILE - BUTADIENE - STYRENE (ABS)	ABS	AS/NZS 3518	PN9, PN15	60	75	88	114	140	168	-	225	250	-	315	355	400	450	500	560	630	-	-	-
GREY CAST IRON	CICL	AS 1724	CLASS B	-	-	-	122	-	177	-	232	259	286	334	-	413	-	492	545	-	650	-	-
		AS 2544	CLASS C	-	-	96	122	-	177	-	232	259	286	345	-	426	-	507	560	-	667	-	-
ASBESTOS CEMENT	AC	AS 1711	CLASS AB	-	-	96	122	-	177	-	232	259	286	334	-	413	-	492	-	-	650	-	-
			CLASS CD	-	-	96	122	-	177	-	232	259	286	345	-	426	-	507	-	-	667	747	826
REINFORCED CONCRETE	RC	AS 4058	CLASS 2, 3 OR 4	-	-	-	-	-	197	-	-	279	-	362	-	445	-	533	-	-	699	787	870
GREY CAST IRON	SOIL PIPE	AS 1631		-	-	86	112	140	165	-	-	244	-	325	-	-	-	-	-	-	-	-	-
		EN 877		-	-	83	110	135	160	-	210	-	274	326	-	-	431	-	534	-	637	-	-
POLYVINYL CHLORIDE (PVC)	DWV/SWV	AS/NZS 1260	SN2 to SN10	56	69	83	110	-	160	-	-	250	-	315	-	400	-	-	-	-	-	-	-
VITRIFIED CLAY	VC	AS 1741		-	-	-	138	-	194	-	-	280	-	370	-	450	485	535	-	-	710	-	-
FIBRE REINFORCED CEMENT	FRC		CLASS X	-	-	-	124	-	179	-	261	-	-	345	-	426	-	510	-	-	679	-	-
ASBESTOS CEMENT	AC	AS1712	CLASS 35	-	-	-	120	-	177	-	230	257	283	336	-	419	-	497	-	-	657	-	-
			CLASS 50	-	-	-	122	-	183	-	236	262	289	344	-	425	-	505	-	-	664	-	-

NOTE: All plastic piping systems should be derated subject to fluid temp / operating pressure

NON-PRESSURE PIPE

# Flange Dimensions

AS STANDARD PRESSURE

AS 4087			50	65	80	100	125	150	175	200	225	250	300	350	375	400	450	500	600	700	750	
Drilling compatible with: AS2129 Table C AS2129 Table D			Outside Diameter	150	165	185	215	255	280	-	335	370	405	455	525	550	580	640	705	825	910	995
			Pitch Circle Diameter	114	127	146	178	210	235	-	292	324	356	406	470	495	521	584	641	756	845	927
			No. of Holes	4	4	4	4	8	8	-	8	8	8	12	12	12	12	16	16	20	20	
			Diameter of Holes	18	18	18	18	18	18	-	18	18	22	22	26	26	26	26	30	30	33	33
			Bolt Diameter	16	16	16	16	16	16	-	16	16	20	20	24	24	24	24	24	27	27	30
PN	FIG NO.	THICKNESS																				
16	B5	-Ductile Iron	-	-	18	20	-	23	-	23	24	24	30	-	33	-	33	35	42	-	47	
14	B7	-Steel	11	11	11	11	13	15	-	19	19	19	23	30	30	30	30	38	48	-	48	

AS HIGH PRESSURE

AS 4087			165	185	205	230	-	305	-	370	405	430	490	550	580	610	675	735	850	-	1015	
Drilling compatible with: AS2129 Table F AS2129 Table H			Outside Diameter	165	185	205	230	-	305	-	370	405	430	490	550	580	610	675	735	850	-	1015
			Pitch Circle Diameter	127	146	165	191	-	260	-	324	356	381	438	495	521	552	610	673	781	-	940
			No. of Holes	4	8	8	8	-	12	-	12	12	16	16	16	20	20	24	24	-	28	
			Diameter of Holes	18	18	18	18	-	22	-	22	26	26	26	30	30	30	33	33	36	-	36
			Bolt Diameter	16	16	16	16	-	20	-	20	24	24	24	27	27	27	30	30	33	-	33
PN	FIG NO.	THICKNESS																				
35	B6	-Ductile Iron	-	-	22	22	-	27	-	31	34	34	38	-	42	-	46	49	54	-	59	
21	B8	-Steel	15	15	15	19	-	24	-	24	30	30	30	30	38	38	38	48	58	-	58	
35	B9	-Steel	19	19	24	24	-	31	-	31	38	38	38	48	48	48	58	58	68	-	-	

TABLE E

AS 2129			150	165	185	215	255	280	-	335	370	405	455	525	550	580	640	705	825	910	995	
Table E			Outside Diameter	150	165	185	215	255	280	-	335	370	405	455	525	550	580	640	705	825	910	995
			Pitch Circle Diameter	114	127	146	178	210	235	-	292	324	356	406	470	495	521	584	641	756	845	927
			No. of Holes	4	4	4	8	8	8	-	8	12	12	12	12	12	12	16	16	16	20	20
			Diameter of Holes	18	18	18	18	18	22	-	22	22	22	26	26	26	26	26	26	33	33	36
			Bolt Diameter	16	16	16	16	16	20	-	20	20	20	24	24	24	24	24	24	30	30	33
PN	TABLE	THICKNESS																				
14	E	-Cast Iron	19	19	19	22	22	22	-	25	25	25	29	32	32	32	35	38	41	44	48	

ISO

EN1092 PN16			165	185	200	220	250	285	-	340	-	405	460	520	-	580	640	715	840	910	-	
Drilling compatible with: BS 4504 PN16 DIN 2533 PN16 ISO 7005 PN16			Outside Diameter	165	185	200	220	250	285	-	340	-	405	460	520	-	580	640	715	840	910	-
			Pitch Circle Diameter	125	145	160	180	210	240	-	295	-	355	410	470	-	525	585	650	770	840	-
			No. of Holes	4	4	8	8	8	8	-	12	-	12	12	16	-	16	20	20	20	24	-
			Diameter of Holes	18	18	18	18	18	22	-	22	-	27	27	27	-	30	30	33	36	36	-
			Bolt Diameter	16	16	16	16	16	20	-	20	-	24	24	24	-	27	27	30	33	33	-
PN	TABLE	THICKNESS																				
16	11	-Ductile Iron	19	19	19	19	19	19	-	20	-	22	25	27	-	28	30	32	36	40	-	

ANSI

ANSI B16.1 125 lb			152	178	191	229	255	280	-	343	-	405	483	533	-	597	635	699	813	-	984
Drilling compatible with: ANSI B16.1 150 lb			Outside Diameter	152	178	191	229	255	280												