

PIPE COMPARISON CHART

Pipe Outside Diameters (mm)

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
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
DUCTILE IRON	DICL	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	-	-
STEEL	MSCL	AS 1579	6mm wall thickness	-	-	-	114	-	168	-	219	257	273	324	356	406	457	508	559	-	610	-	813
		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	-	-
		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	-	-	-	-	-	-	-	-	-	-	345	-	426	-	507	-	-	667	747	826
		ISO 10467	SERIES B2	-	-	-	115	141	167	-	220	-	272	324	376	-	427	478	530	-	633	-	-
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	-	-	-

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
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
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	-	-

Flange Dimensions (mm)

AS STANDARD PRESSURE			50	65	80	100	125	150	175	200	225	250	300	350	375	400	450	500	600	700	750	
AS 4087 Drilling compatible with: AS2129 x 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	12	16	16	20	20	
	Diameter of Holes		18	18	18	18	18	18	-	18	18	22	22	26	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	30
	PN	FIG NO.	THICKNESS																			
16	B5	-Ductile Iron	-	-	18	20	-	23	-	23	24	24	30	-	33	-	33	35	42	-	47	
16	B7	-Steel	11	11	11	11	13	13	-	19	19	19	23	30	30	30	30	38	48	-	56	

AS HIGH PRESSURE			165	185	205	230	-	305	-	370	405	430	490	550	580	610	675	735	850	-	1015
AS 4087 Drilling compatible with: AS2129 Table F AS2129 Table H	Outside Diameter		127	146	165	191	-	260	-	324	356	381	438	495	521	552	610	673	781	-	940
	Pitch Circle Diameter		4	8	8	8	-	12	-	12	12	12	16	16	16	20	20	24	24	-	28
	No. of Holes		18	18	18	18	-	22	-	22	26	26	26	30	30	30	33	33	36	-	36
	Diameter of Holes		16	16	16	16	-	20	-	20	24	24	24	27	27	27	30	30	33	-	33
	Bolt Diameter																				
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			50	65	80	100	125	150	175	200	225	250	300	350	375	400	450	500	600	700	750	
AS 2129 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	20	20	20	
	Diameter of Holes		18	18	18	18	18	22	-	22	22	22	26	26	26	26	26	26	30	33	33	36
	Bolt Diameter		16	16	16	16	16	20	-	20	20	20	24	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			165	185	200	220	250	285	-	340	-	405	460	520	-	580	640	715	840	910	-
EN1092 PN16 Drilling compatible with: BS 4504 PN16 DIN 2533 PN16 ISO 7005 PN16	Outside Diameter		125	145	160	180	210	240	-	295	-	355	410	470	-	525	585	650	770	840	-
	Pitch Circle Diameter		4	4	8	8	8	8	-	12	-	12	12	16	-	16	20	20	20	24	-
	No. of Holes		18	18	18	18	18	22	-	22	-	27	27	27	-	30	30	33	36	36	-
	Diameter of Holes		16	16	16	16	16	20	-	20	-	24	24	24	-	27	27	30	33	33	-
	Bolt Diameter																				
PN	TABLE	THICKNESS																			
16	11	-Ductile Iron	19	19	19	19	19	19	-	20	-	22	25	27	-	28	30	32	36	40	-

ANSI			152	178	191	229	255	280	-	343	-	405	483	533	-	597	635	699	813	-	984
ANSI B16.1 125 lb Drilling compatible with: ANSI B16.1 150 lb	Outside Diameter		121	140	152	191	216	241	-	298	-	362	432	476	-	540	578	635	749	-	914
	Pitch Circle Diameter		4	4	4	8	8	8	-	8	-	12	12	12	-	16	16	20	20	-	28
	No. of Holes		19	19	19	19	22	22	-	22	-	25	25	29	-	29	32	32	35	-	35
	Diameter of Holes		16	16	16	16	20	20	-	20	-	22	22	25	-	25	29	29	32	-	32
	Bolt Diameter																				
PN	THICKNESS																				
17	-Cast Iron	16	18	20	24	24	25	-	29	-	26	32	35	-	37	40	48	48	-	54	

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