



ELDocreTE



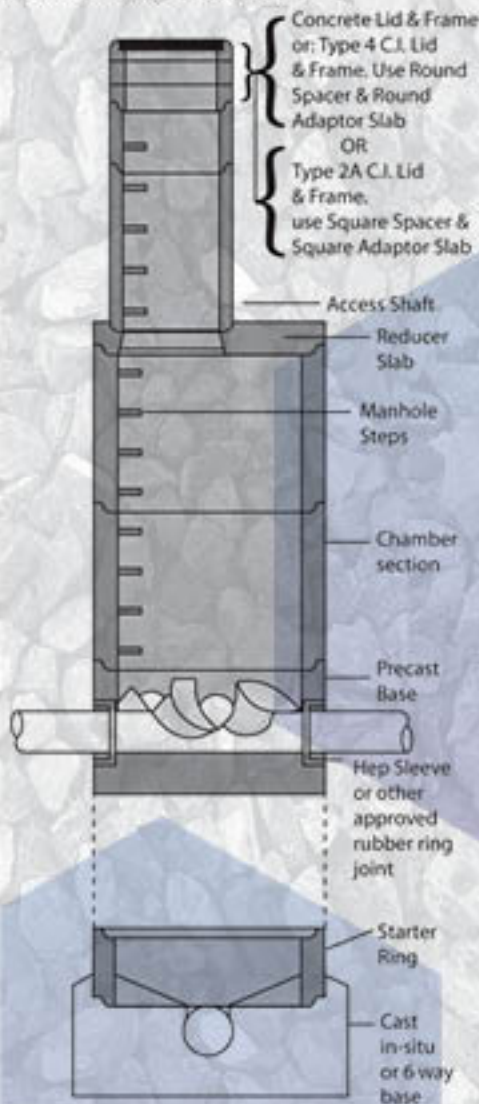
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MANHOLES AND COMPONENTS

Sewer Manholes are required to provide a safe means of access to the pipeline for men and equipment, for maintenance and inspection purposes.

As per SANS 1294:2020



**Please Note: Mass per unit is an approximation only.*

Measurements are variable due to tolerances.

Key: MD – Medium Duty, HD – Heavy Duty*

**2 meter manhole products are manufactured upon request. These products are not CMA approved, but Eldocrete is manufacturing and testing the 2 meter manhole products in accordance with the requirements of SANS 1294:2020 for the 1750 manhole chambers.*

MANHOLES/CHAMBERS					
Nominal Diameter	Height	Outside Diameter	Inside Diameter	Wall Thickness	Unit Mass
mm	mm	mm	mm	mm	kg
750	250	860	750	55	94
	500	860		55	189
	1000	860		55	378
1000	250	1130	1000	65	145
	500	1130		65	290
	1000	1130		65	380
1250	250	1400	1250	75	206
	500	1400		75	412
	1000	1400		75	824
1500	250	1670	1500	85	276
	500	1670		85	553
	1000	1670		85	1106
1750	250	1940	1750	96	367
	500	1940		96	734
	1000	1940		96	1468
2000	250	2180	1972	104	413
	500	2180		104	826

Coverslabs / Nominal Diameter	Outside Diameter	Inside Diameter	Thickness	Unit Mass
mm	mm	mm	mm	kg
750 Eldoslab	860	560	150	111
750 Coverslab	860	560	150	116
1000 Eldoslab MD	1130	560	150	269
1000 Eldoslab HD	1130	560	150	271
1000 Eldoslab XHD	1130	560	150	276
1000 Coverslab HD	1130	560	150	282
1250 Eldoslab	1400	560	150	473
1250 Coverslab	1400	560	150	477
1500 Eldoslab	1670	560	180	847
1500 Coverslab	1670	560	180	857
1750 Eldoslab	1940	560	180	1171
1750 Coverslab	1940	560	180	1191
2000 Eldoslab	2180	560	195	1646
2000 Coverslab	2180	560	195	1666

Reducer Slabs / Nominal Diameter	Outside Diameter	Reduce to	Thickness	Unit Mass
mm	mm	mm	mm	kg
1000 ND	1130	750	155	205
1250 ND	1400	750	155	397
1500 ND	1670	750	185	739
1750 ND	1940	750	195	1095
2000 ND	2180	750	195	1492

MANHOLE COMPONENTS				
Product	Outside Diameter	Inside Diameter	Thickness	Unit Mass
	mm	mm	mm	kg
Type 2A Cover	640	560	120	84
Type 2A Frame	860	560	80	69
Round Spacer	860	560	80	71
Square Spacer	870	560	80	108
750 Valve Box	860	N/A	150	206
1000 Valve Box	1130	N/A	150	370
Concrete Lids				
Medium Duty Lid	640	545	120	77
Heavy Duty Lid	640	545	120	83
Extra Heavy Duty Lid	640	545	120	86
Lockable Lid	640	454	120	86
Frames				
Frame	860	560	120	90
Extra Heavy Duty Frame	860	560	120	100
Six Way Base	1130	1000	75	872

CONCRETE PIPES

INTERLOCKING JOINT PIPES (IJ)

Eldocrete Interlocking Joint Pipes can only be used for stormwater drainage.

These pipes are a non-water tight pipe and are designed with male and female joints inside the wall of the pipe i.e. there is no widening of the pipe therefore the external dimensions of the pipe are constant.



As per SANS 677:2020

INTERLOCKING JOINT CLASS 50D/100D – SANS 677 TYPE SC						
Class	Nominal Diameter	Inside Diameter	Outside Diameter	Wall Thickness	Nominal Length	Unit Mass
	ND mm	D mm	OD mm	WT mm	L m	kg
100D & 50D	300	300	370	35	2.5	265
	375	375	450	37.5	2.5	340
	450	450	540	45	2.5	475
	525	525	625	50	2.5	625
	600	600	720	60	2.5	860
	675	675	815	70	2.5	1120
	750	750	900	75	2.5	1350
	825	825	982	78.5	2.5	1550
	900	900	1070	85	2.5	1825
	1050	1050	1230	90	2.5	2240
50D	1350	1315	1525	105	2.4	3080
100D	1350	1245	1525	140	2.4	3820
50D	1500	1400	1670	135	2.5	4375
100D	1500	1350	1670	160	2.5	5000

*Key for drawing: ND – Nominal Diameter, D – Inside Diameter, OD – Outside Diameter, L – Nominal Length, WT – Wall Thickness

*Please Note: Mass per unit is an approximation only.
Measurements are variable due to tolerances

CONCRETE PIPES

SPIGOT AND SOCKET NON-PRESSURE PIPES (S&S)

Eldocrete Spigot and Socket Pipes can only be used for storm water drainage and are sealed using a sliding rubber ring. The sliding rubber ring is installed using a soft soap lubricant.



As per SANS 677:2020

SPIGOT & SOCKET CLASS 50D / 100D – SANS 677 TYPE SC								
Class	Nominal Diameter	Inside Diameter	Outside Diameter	Wall Thickness	Socket Diameter	Socket Length	Nominal Length	Unit Mass
	ND mm	ID mm	OD mm	WT mm	SD mm	SL mm	NL m	kg
100D / 50D	300	295	370	37.5	455	265	2.5	320
	375	360	430	35	530	245	2.5	360
	450	450	540	45	660	250	2.4	510
	525	520	620	50	745	255	2.4	630
	600	595	710	57.5	840	270	2.5	875
	675	670	790	60	925	275	2.5	1045
	750	740	860	60	1025	315	2.5	1256
	825	820	970	75	1135	335	2.5	1530
	900	880	1060	90	1235	365	2.5	1970
	1050	1020	1225	102.5	1425	400	2.5	2790
	1200	1170	1400	115	1590	410	2.5	3450

*Key for drawing: ND – Nominal Diameter, ID – Inside Diameter, OD – Outside Diameter, NL – Nominal Length, WT – Wall Thickness, SD – Socket Diameter, SL – Socket Length.

*Please Note: Mass per unit is an approximation only.

Measurements are variable due to tolerances

CONCRETE CULVERT

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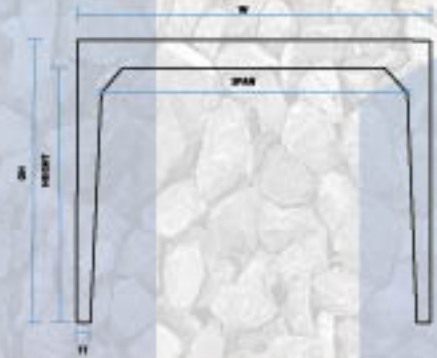
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RECTANGULAR PORTAL CULVERTS

The Rectangular Portal Culvert is used in storm water applications with high loading, primarily in providing waterways underneath roads.

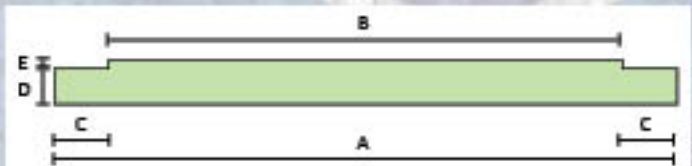
As per SANS 986:2019

Span mm	Class				
	735	1005	1305	1735	200
430					x
600					x
730				x	
900				x	
1200			x		
1500		x			
1800	x				
2100	x				
2400	x				



Span mm	Height mm	TT mm	W mm	DH mm	Unit Mass kg
450	300	65	600	390	328
	450	60	600	340	369
600	300	85	780	390	358
	450	80	780	340	406
	600	70	780	690	510
750	300	95	950	400	501
	450	85	950	350	590
	600	80	950	700	654
900	300	95	1110	405	600
	450	90	1110	355	657
	600	85	1110	705	780
	750	85	1110	855	866
	900	75	1110	1005	934
1200	450	110	1440	370	830
	600	100	1440	720	1030
	900	90	1440	1020	1185
	1200	80	1440	1320	1288
1500	450	130	1775	600	1283
	600	115	1775	750	1396
	900	105	1775	1050	1605
	1200	95	1775	1350	1800
	1500	90	1775	1650	2053
1800	600	135	2100	750	1634
	900	125	2100	1050	1821
	1200	115	2100	1350	2093
	1500	105	2100	1650	2291
	1800	90	2100	1950	2550

Span mm	Height mm	TT mm	W mm	DH mm	Unit Mass kg
2100	600	145	2430	765	2008
	900	130	2430	1065	2271
	1200	125	2430	1365	2480
	1500	120	2430	1665	2727
	1800	105	2430	1965	2980
2400	2100	95	2430	2265	3190
	600	173	2760	780	2320
	900	145	2760	1080	2610
	1200	140	2760	1380	2860
	1500	135	2760	1680	3230
3000	2100	115	2760	2280	3761
	2400	100	2760	2580	3987
	1200	170	3420	1410	3898
	1500	160	3420	1710	4204
	1800	150	3420	2005	4494
3600	2100	140	3420	2310	4762
	2400	130	3420	2610	5014
	3000	110	3420	3210	5460
	900	210	4080	1140	4700
	1200	200	4080	1440	5044
	1500	190	4080	1740	5407
	1800	180	4080	2040	5751
3600	2100	170	4080	2340	6077
	2400	160	4080	2640	6383
	3000	140	4080	3240	6941



CULVERT BASES

Culvert Span mm	Max Leg Height mm	Dimensions (As per drawing)					Unit Mass kg
		A mm	B mm	C mm	D mm	E mm	
430	450	680	400	140	95	26	108
600	600	895	355	170	80	20	180
730	750	1000	710	145	98	25	270
900	900	1215	895	160	105	20	430
1200	1200	1535	1195	170	120	19	670
1500	1500	1876	1450	213	140	30	868
1800	1800	2200	1810	195	140	20	1090
2100	2100	2480	2100	190	152	20	1308
2400	2400	2850	2430	210	180	20	1768
3000	3000	3510	3010	250	190	20	2282
3600	3000	4160	3600	280	200	20	2820

**Please Note: Mass per unit is an approximation only.*

Measurements are variable due to tolerance.

All culverts are 1.24m long

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