

# CONCRETE CULVERT

CMACS  
APPROVED

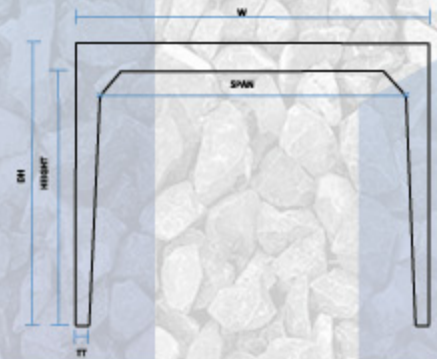
SABS  
ISO 9001

## RECTANGULAR PORTAL CULVERTS

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

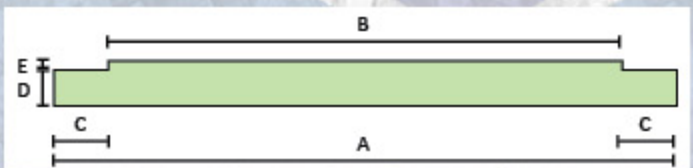
As per SANS 986:2019

Span mm	Class				
	75S	100S	150S	175S	200
450					x
600					x
750				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	540	369
600	300	85	780	390	358
	450	80	780	540	406
	600	70	780	690	510
750	300	95	950	400	501
	450	85	950	550	590
	600	80	950	700	654
900	750	75	950	850	737
	300	95	1110	405	600
	450	90	1110	555	657
	600	85	1110	705	780
	750	85	1110	855	866
1200	900	75	1110	1005	934
	450	110	1440	570	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	1800	120	2760	1980	3500
	2100	115	2760	2280	3761
	2400	100	2760	2580	3987
	1200	170	3420	1410	3898
	1500	160	3420	1710	4204
3600	1800	150	3420	2005	4494
	2100	140	3420	2310	4762
	2400	130	3420	2610	5014
	3000	110	3420	3210	5460
	900	210	4080	1140	4700
3600	1200	200	4080	1440	5044
	1500	190	4080	1740	5407
	1800	180	4080	2040	5751
	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	
450	450	680	400	140	95	26	108
600	600	895	555	170	80	20	180
750	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*