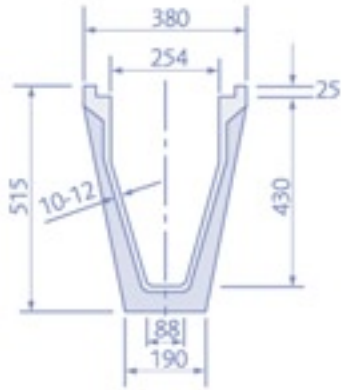
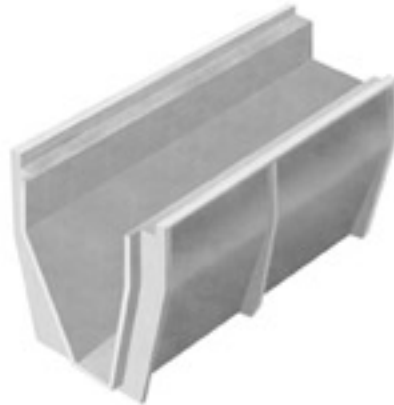


Althon CH 250 Drainage Channel



CH 250 overall effective length 2000mm

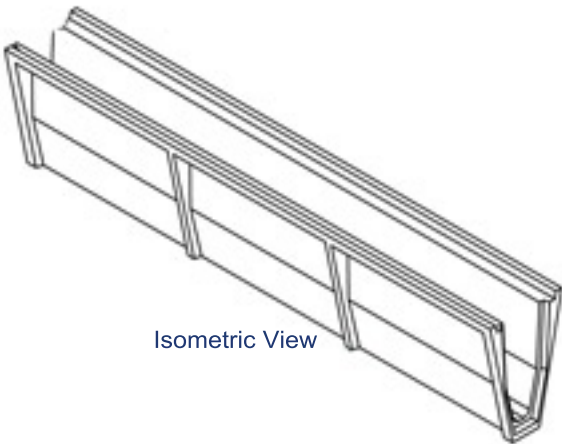


Althon				
	25m/hr	50mm/hr	75mm/hr	100mm/hr
Flow rate I/S	Area Drained m ²	Area Drained m ²	Area Drained m ²	Area Drained m ²
40	5200	2600	1700	1250
60	8640	4320	2880	2160
71	10224	5112	3408	2556
75	10800	5400	3600	2700
95	13680	6840	4560	3420
140	20160	10080	6720	5040
190	27360	13680	9120	6840
300	43200	21600	14400	10800

Storage Capacity of channel to underside of lid for attenuation	
Channel Size	Capacity l/m
250	87

Althon High Capacity Drainage Channel can be laid without fall and will drain to the nearest outlet. The drainage channel's trapezoidal shape means it creates its own velocity and as such is self cleansing.

Spigot End



Isometric View

Socket End

Installation of Channels

1. Excavate trench to line and level having due regard for the size of the channel unit to be installed.
2. Ensure that there is a firm foundation to the bottom of the trench; otherwise seek expert geotechnical advice. Place 150mm minimum concrete grade ST4 in the bottom of the trench. If aggressive chemical conditions exist in the soil or ground waters, an enhanced concrete to suit must be specified.
3. Starting at the outfall end, lower the first channel unit onto the ST4 bedding, then dry joint successive units. Alternatively depending on the ground conditions, a trowel grade mastic can be used between adjacent units. Line and level the units with laser or other appropriate technique using the minimum solid packing under the channel.
4. Place ST4 grade concrete backfill surround to the channel, tamped or rammed as necessary to fill all voids, and finishing with a haunch 125mm to 250mm from the top level of the channel.