

DATA SHEET

TURBULENCE

PRODUCT DESCRIPTION : Rigid, non-perforated single wall pipe, with corrugated interior and exterior wall, supplemented with 3 reinforcement strips for roadway use

FUNCTION : A structure placed in a stream, providing flow conditions similar to a creek, to allow the free flow of water and the free movement of aquatic fauna. HDPE culverts are mainly used in woodland, in mining and rural environments. They allow the crossing of a stream without disturbing the flora and fauna of an ecosystem.

RAW MATERIAL: Made from high-density polyethylene (HDPE) ASTM D3350

AVAILABLE COUPLERS : Soil tight: see technical data table

APPLICATION: HDPE culverts



TURBULENCE

TECHNICAL DATA TABLE

Nom. dia.		Int. dia. ⁽²⁾		Ext. dia.		Length		Manning Strength		Backfill				No connector	Soil tight connectors HDPE	
mm	in	mm	in	mm	in	m	ft	n	kPa	Minimum		Maximum		PE	BC	SC
										m	pi	m	pi			
450	18.0	461	18.1	543	21.4	6.0	19.7	0.021	210	0.4	1.3	10.0	32.8	X	X	X
450	18.0	461	18.1	543	21.4	9.0	29.5	0.021	210	0.4	1.3	10.0	32.8	X	X	X
600	24.0	605	23.8	722	28.4	6.0	19.7	0.022	210	0.4	1.3	8.0	26.2	X	X	X
600	24.0	605	23.8	722	28.4	9.0	29.5	0.022	210	0.4	1.3	8.0	26.2	X	X	X
750	30.0	748	29.4	884	34.8	6.0	19.7	0.022	210	0.4	1.3	12.4	39.3	X	X	X
750	30.0	748	29.4	884	34.8	9.0	29.5	0.022	210	0.4	1.3	12.4	39.3	X	X	X

Note 1: Values in the table are approximate and may change without notice

Note 2: The inner diameter measurement does not include the thickness of the reinforcement strips

LEGEND

PE: plain end

BC: bell with clips

SC: split coupler