

BOSS[®] 1000

Single Wall Corrugated Pipe

Application

BOSS 1000 single wall corrugated pipe is designed for general purpose drainage applications. BOSS 1000 features a range of coupling systems outlined in the table below, that provide superior pull apart resistance. This makes it an excellent choice for steepened slope and stream diversions.

Strength

Corrugated HDPE pipe provides maximum strength and shock resistance to weight ratio.

Light Weight

The light weight of BOSS 1000 leads to fast installation using minimum size crews and equipment. By virtue of its light weight BOSS 1000 provides safer handling characteristics.

Flexibility

BOSS 1000 offers the advantage of longitudinal flexibility.

- BOSS 1000 can be installed in the field to a gentle radius resulting in faster installation and reduced need for manholes.



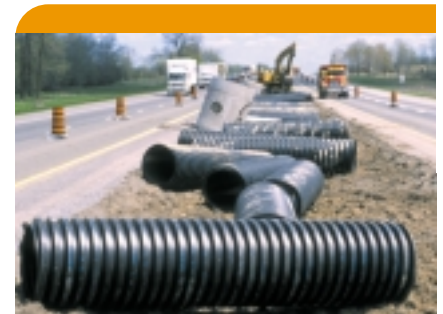
- When bedrock or other obstructions are encountered in the trenchbed, BOSS 1000 can be "snaked" around these obstructions minimizing or eliminating blasting.

Helps Control Velocity

The corrugated interior of BOSS 1000 can be an advantage in certain downslope applications. It helps control discharge velocities, reduces the potential for erosion at an outlet and may eliminate the need for expensive energy dissipators and drop structure manholes.

Raw Material

High Density Polyethylene resin will meet a minimum cell class of 324420C as defined by ASTM D3350. Additionally, BOSS 1000 will meet the more stringent requirement of a minimum crack resistance of 15% tensile yield stress for 24 hours as defined by ASTM D5397, SP-NCTL test.



Stocked lengths:	6 m
Custom lengths:	Available on special order
Stocked Stiffness:	320 kPa (100 mm to 250 mm), and 210 kPa (300 mm to 900 mm)
Joining Systems:	Soil tight - Internal "snap" coupler (100 mm - 200 mm) - External "split" coupler (250 mm - 300, and 750 mm - 900 mm) - External "screw on" coupler (150 mm - 600 mm)
Fitting Availability:	All fittings available
Applicable Standards:	OPSS 1840, OPSS 421, OPSD 806.02, BNQ 3624-110
Third Party Certification:	None

Nominal Inside Diameters (mm):	100	150	200	250	300	400	450	500	600	750	900
Outside Diameters (mm):	120	180	240	305	375	470	530	580	710	920	1087
Manning's 'n' value:	0.016	0.017	0.018	0.019	0.020	0.021	0.021	0.021	0.021	0.022	0.022
Profile Type											
(A) Annular (H) Helical:	A	H	H	H	H	H	H	H	H	A	A