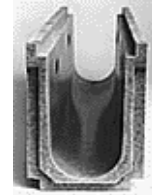




Channel Features & Benefits

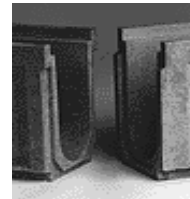


Pre-Sloped Radius Channels

Standard PolyDrain channels have a built-in 0.6% slope. A smooth interior finish, a radius bottom, and a narrow cross-section. These features, which can produce a flow velocity of up to 10 times that of a standard hand-formed trench drain. This higher velocity provides excellent hydraulic efficiency and helps keep the channels clean.

Interlocking Joints

PolyDrain channels have interlocking "tongue & groove" joints that serve two important functions. First, they aid in maintaining proper channel alignment during installation. Second, they help prevent concrete migration into the system during the pour. ABT maintains a full line of joint sealants that can be applied to joints and connections when a sealed system is required.



Anchoring Ribs

PolyDrain channels are formed with full-length anchoring ribs, one each on either side of the channel at the base of the side wall. These anchoring ribs provide a positive mechanical lock with surrounding concrete.

End Plates and Pipe Adaptors



Closed End Plates

End plates to cap the end of the channels are available for each of the different product lines. Pipe stubs or pipe adaptors are installed in some of the end plates to facilitate the connection with the pipe. Pipe adaptors for vertical discharge are also available. Closed end plates are stocked to fit all 100 mm(4") channels from size 010 to 300 PWII. Reference System Design Diagram to determine correct part number.

Vertical Outlet Pipe Adaptors are stocked to fit channel numbers 050, 100, 150, 200, 250, and 300 in 4" Sch 35, 4: Sch 40 and 6" Sch 35 pipe sizes.



Vertical Outlet



End Plates

Horizontal Inlet End Plates and non-stocked Horizontal Outlet End Plates are available to order.

100 mm (4") Horizontal Inlet

