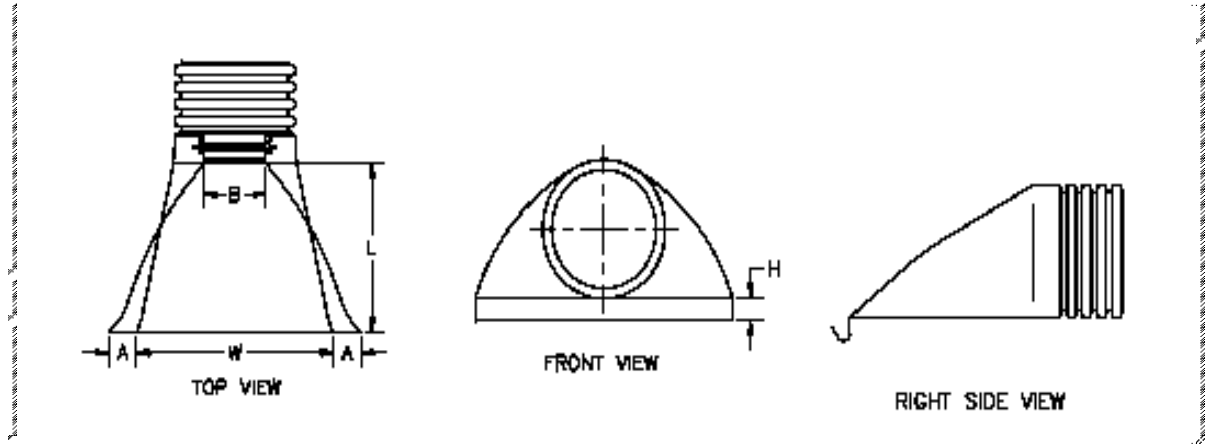


## Flared End Section Dimensions



Pipe Dia.	Part No.	A ±1 (25)	B MAX	H ±1 (25)	L ±1/2 (13)	W ±2 (50)
12-15	40061200	6 (152)	9 (229)	5.5(140)	27 (686)	29 (737)
18	40061800	7 (178)	18 (457)	6 (152)	35.5 (902)	36.5(927)
24	40062400	6.5 (165)	21 (533)	6 (152)	38 (965)	45(1143)
30-36	40063002	6 (152)	30 (762)	6 (152)	52 (1321)	65(1651)

### Requirements

The invert of the pipe and the end section must be at the same elevation. The Haviland Drainage Products Flared End Section is made from high density polyethylene meeting cell classification 435400c, per ASTM D 3350 as noted in AASHTO M 294.

- ✓ **Improves Hydraulic Performance**  
End sections channel the water flow into the pipe in a very efficient manner thus reducing the entrance losses and resulting in increased hydraulic capacity.
- ✓ **Prevents Erosion**  
Using End Sections will eliminate undercutting, scouring and piping. Erosion prevention eliminates the loss of backfill around the pipe and voids beneath the pavement.
- ✓ **Lowers Maintenance**  
End Sections provide a clean, finished appearance for your culvert inlet / outlet and protects pipe ends from maintenance and traffic damage.

### Installation Instructions

1. Spread the End Section collar and place it over the last pipe corrugation. Make sure the collar seats properly in the corrugation valley.
2. Insert treaded rod through the pre-drilled holes in the End Section collar. Tighten wing nuts.
3. Place backfill around the End Section and over the toe plate.



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