

# Duraslot<sup>®</sup> Slotted Drain

Duraslot slotted drains provide superior hydraulic efficiency and flow capacity and are engineered to stand up to the heaviest structural loads. Duraslot's durability and corrosion-resistant design provide a long-lasting, cost-effective solution to stormwater capture. Duraslot is heavy-load rated, reduces maintenance costs and has higher corrosion resistance and flow rates where higher conveyance volume is required.

The product is made from dual-wall corrugated polyethylene pipe with an aluminum slot mounted on top. It is a cost-effective substitute for corrugated steel slot drains, precast trench drains, or cast-in-place trench drains with steel or cast iron grates.

The product is available in standard slot or variable slot height made specific to your project's needs.

## Applications

- Streets/Highways
- Commercial
- Warehouse
- Airports
- Loading Docks
- Parking lots
- Parks/Athletic fields
- Schools/Plazas

## Features

- 10' (3 m) lengths
- Variable/custom height slots
- Lower installation & material costs
- Fabricated fittings such as tees, wyes, 90° bends, couplers and end caps

## Benefits

- Greater hydraulic efficiency compared to corrugated steel pipe
- Manufactured from corrosion-resistant polyethylene and aluminum
- Impact resistance for storage and handling



# Duraslot Slotted Drain Specification

## Scope

This specification describes 4"-36" (100-900 mm) ADS Duraslot pipe for use in surface drain applications.

## Pipe Requirements

Duraslot pipe, as manufactured and distributed by ADS, shall have a smooth interior and annular exterior corrugations with an aluminum slot grate frame mounted longitudinally along the length of the pipe to accept the grate, while maintaining the original pipe diameter..

- 4"-10" (100-250 mm) pipe shall meet AASHTO M252, Type S
- 12"-36" (300-900 mm) pipe shall meet AASHTO M294, Type S or ASTM F2306
- Manning's "n" value for use in design shall be 0.012

The aluminum slot grate frame shall be manufactured from 0.063" (1.6 mm) tempered commercial aluminum meeting the requirements of ASTM B209, consisting of two parallel plates separated by spacers spanning the slot on 6" (150 mm) centers. The grate shall be ½" (13 mm) #13 galvanized steel. The grate shall have a diamond-shaped opening and be ADA compliant. The flange at the bottom of the aluminum slot grate frame shall be riveted to the pipe with a minimum of two rivets per linear foot.

## Fittings

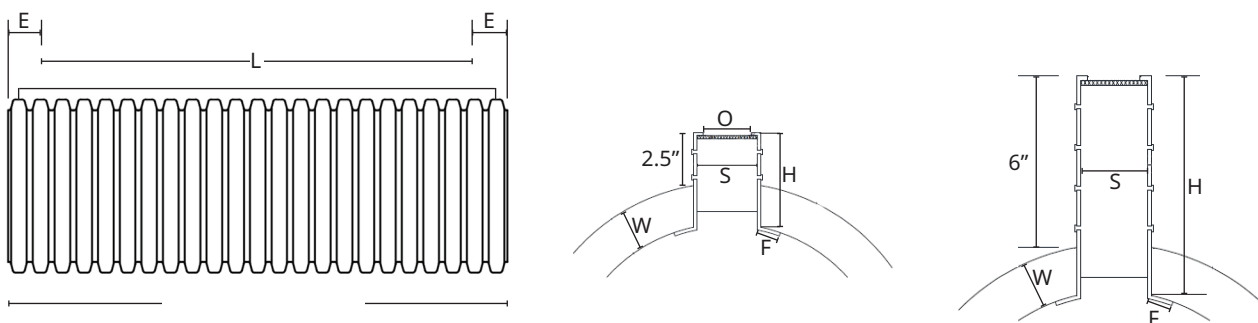
Duraslot fittings shall be modified from fittings which conform to AASHTO M252, AASHTO M294 or ASTM F2306.

## Installation

Installation shall be in accordance with ADS recommended installation instructions. Contact your local ADS representative or visit [adspipe.com](http://adspipe.com) for a copy of the latest installation guidelines.

## Build America, Buy America (BABA)

ADS Duraslot Slotted Drain pipe complies with the requirements in the Build America, Buy America (BABA) Act.



Nominal Diameter in (mm)										
	4 (100)	6 (150)	8 (200)	10 (250)	12 (300)	15 (375)	18 (450)	24 (600)	30 (750)	36 (900)
<b>L</b> (drain grate length)	118 (2997)	118 (2997)	118 (2997)	118 (2997)	116 (2946)	116 (2946)	116 (2946)	116 (2946)	116 (2946)	116 (2946)
<b>E</b> (pipe end length)	1 (25)	1 (25)	1 (25)	1 (25)	2 (50)	2 (50)	2 (50)	2 (50)	2 (50)	2 (50)
<b>H</b> 2.5" (63 mm) slot	2.75 (70)	3 (75)	3 (75)	3 (75)	3.5 (88)	3.75 (95)	4 (100)	4.75 (120)	5 (125)	5.25 (133)
<b>H</b> 6" (150 mm) slot	6.25 (158)	6.5 (165)	6.5 (165)	6.5 (165)	7 (175)	7 (175)	7 (175)	7.25 (184)	8.25 (205)	8.25 (205)
<b>W</b> (pipe width with corrugation)	0.34 (8)	0.46 (11)	0.61 (15)	0.73 (18)	1.15 (29)	1.30 (33)	1.57 (40)	1.86 (47)	2.55 (65)	2.85 (72)
<b>F</b> (flange length)	0.5 (13)	0.75 (19)	0.75 (19)	0.75 (19)	0.75 (19)	0.75 (19)	0.75 (19)	1 (25)	1 (25)	1 (25)
<b>O</b> (opening width)	1.25 (31)	1.75 (44)	1.75 (44)	1.75 (44)	1.75 (44)	1.75 (44)	1.75 (44)	1.75 (44)	1.75 (44)	1.75 (44)
<b>S</b> (slot width)	1.75 (44)	2.25 (57)	2.25 (57)	2.25 (57)	2.25 (57)	2.25 (57)	2.25 (57)	2.25 (57)	2.25 (57)	2.25 (57)

