

## HIGHWAY PIPE

With over 45 years experience, Advanced Drainage Systems, Inc. (ADS) has provided expert knowledge and innovative product solutions proven in a wide range of drainage applications. Our HDPE pipe delivers superior value while providing physical strength and structural design that just cannot be matched by metal or concrete.

### APPLICATIONS:

Culverts	Mining
Cross/Slope/Edge Drains	Forestry
Sports Playing Fields	Industrial
Golf Course Drainage	Waterways
Parking Lot Drainage	Terracing

### FEATURES/BENEFITS:

- Available in 100' - 3,200' (30 - 960 m) coil lengths for 3" - 6" (75 - 150 mm) diameter pipe
- 8" - 24" (200 - 600 mm) diameter pipe is available in 20' (6 m) lengths
- Meets soil-tight joint performance requirements - gasketed or non-gasketed split coupler, and internal and external snap couplers are available
- Longer lengths, which vary by diameter, result in fewer joints - pipe can be cut easily to the desired length in the field
- Easy-to-handle, safe, lightweight pipe requires less labor and equipment for faster installation and reduced costs
- HS-25 (Highway traffic loads) rated with a minimum of 12" (300 mm) of cover
- Provides superior resistance to chemicals, road salts, motor oil and gasoline - will not rust, deteriorate or crumble
- Withstands repeated freeze/thaw cycles and continuous sub-zero temperatures

**ADS Service:** ADS representatives are committed to providing you with the answers to all your questions, including specifications, and installation and more.



## ADS SINGLE WALL HIGHWAY PIPE

### SCOPE

This specification describes 3- through 24-inch (75 to 600 mm) single wall high density corrugated polyethylene highway pipe, for drainage applications.

### PIPE REQUIREMENTS

ADS single wall corrugated highway pipe shall have annular interior and exterior corrugations.

- 3- through 10-inch (75 to 250 mm) shall meet AASHTO M252, Type C or CP.
- 12- through 24-inch (300 to 600 mm) shall meet AASHTO M294, Type C or CP.

### JOINT PERFORMANCE

Joints for 3- to 24- inch (75 – 600 mm) shall be made with split or snap couplings. Standard connection shall meet the soil-tight requirements of AASHTO M252 or M294. Gasketed connections shall incorporate a closed-cell synthetic expanded rubber gasket meeting the requirements of ASTM D1056 Grade 2A2. Gaskets, when applicable, shall be installed by the pipe manufacturer.

### FITTINGS

Fittings shall conform to AASHTO M252 or AASHTO M294.

### MATERIAL PROPERTIES

Pipe and fittings shall be made of virgin polyethylene compounds that comply with the cell classification 424420C for 4- through 10-inch (100 to 250mm) diameters, or 435400C for 12- through 24-inch (300 to 600mm) diameters, as defined and described in ASTM D3350, except that carbon black content should not exceed 4%. The 12- through 24-inch (300 to 600mm) virgin pipe material shall comply with the notched constant ligament-stress (NCLS) test as specified in Sections 9.5 of AASHTO M294.

### INSTALLATION

Installation shall be in accordance with ASTM D2321 and ADS recommended installation guidelines with the exception that minimum cover in trafficked areas shall be one foot (0.3 m). Contact your local ADS representative or visit our website at [www.ads-pipe.com](http://www.ads-pipe.com) for a copy of the latest installation guidelines.

### PIPE DIMENSIONS

Nominal Pipe I.D.* in. (mm)	3 (75)	4 (100)	5 (125)	6 (150)	8 (200)	10 (250)	12 (300)	15 (375)	18 (450)	24 (600)
Nominal Pipe O.D.** in. (mm)	3.6 (91)	4.6 (117)	5.8 (147)	7 (178)	9.5 (241)	12 (305)	14.5 (368)	18 (457)	22 (559)	28 (711)
Perforations	All diameters available with or without perforations.									

\*Check with sales representative for availability by region.

\*\*Pipe O.D. values are provided for reference purposes only, values stated for 3- through 24-inch are  $\pm 0.5$  inch. Contact a sales representative for exact values.



3" - 24" Split Band Coupler



3" - 10" External Snap Coupler



3" - 8" Internal Snap Coupler

