

HEAVY DUTY 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	Parking Lots
Paths & Walkway Drains	Field Drainage
Landscape/Subdrainage	Slope, Edge, Foundations
Golf Courses	Downspouts/Roof Drainage
Sports Playing Fields	Waterway Terracing
Grain Aeration	Land Reclamation
Pond Overflows & Dams	Irrigation Ditch Enclosures

FEATURES/BENEFITS:

- Available in varying stick and coil lengths depending on the diameter. Longer lengths result in fewer joints
- Easy-to-handle, safe, lightweight pipe requires less labor and equipment for faster installation and reduced costs
- AASHTO HS-25 (Highway traffic loads) rated with a minimum of 12" (300 mm) of cover for 3" - 8" (75 - 200 mm) diameters
- 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 HEAVY DUTY PIPE

SCOPE

This specification describes 3- through 24-inch (75 to 600 mm) ADS single wall heavy duty corrugated polyethylene highway pipe for use in gravity-flow drainage applications.

PIPE REQUIREMENTS

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

- 3- through 6-inch (75 to 150 mm) shall meet ASTM F405.
- 8- through 24-inch (200 to 600 mm) shall meet ASTM F667

JOINT PERFORMANCE

Joints for 3- to 24- inch (75 – 600 mm) shall be made with split or snap couplings. Standard connections shall meet the requirements of the ASTM F405 or ASTM F667. 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 ASTM F405 or ASTM F667.

MATERIAL PROPERTIES

Pipe and fitting material shall be high density polyethylene conforming with the minimum requirements of cell classification 423410C as defined and described in the latest version of ASTM D3350; or ASTM D1248 Type III, Class C, Category 4, Grade P33.

INSTALLATION

Installation shall be in accordance with ASTM D2321 and ADS recommended installation guidelines with the exception that minimum cover in trafficked areas for 3- through 24-inch (75 to 600 mm) diameters shall be one foot (0.3 m). Contact your local ADS representative or visit our website at 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 ± 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

