



# AASHTO PIPE

## THE PERFORMANCE YOU EXPECT. THE INNOVATIONS YOU NEED.

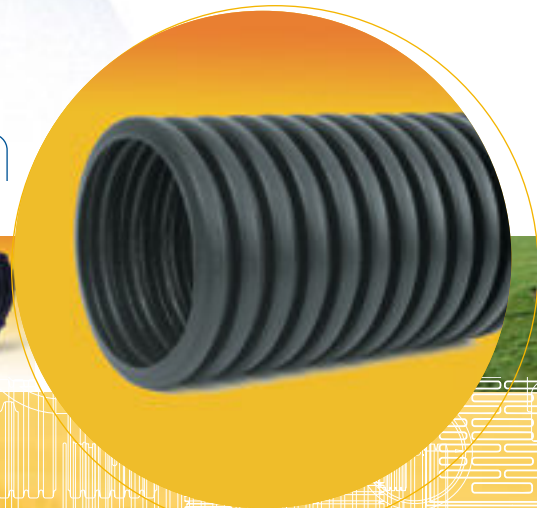
With over 110 years experience, Hancor has provided expert knowledge and innovative product solutions proven in a wide range of field drainage applications. Our HDPE pipe delivers superior value while providing physical strength and structural design that just cannot be matched by metal or concrete.

AASHTO pipe is perfect for culvert applications; cross, slope or edge drains. Other uses include sports playing fields, golf course and parking lot drainage; pond overflow, pond equalizer, dams, waterways and terracing.

## BENEFITS

- Adaptable to soil-tight joint performance requirements – gasketed or non-gasketed split coupler, and internal and external snap couplers are available.
- Available in 100' - 4,900' (30 - 1470m) coil lengths for 3" - 6" (75 - 150mm) diameter pipe and 20' (6m) lengths for 8" - 24" (200 - 600mm) diameter pipe. Longer lengths 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" (0.3m) 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.

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





**SCOPE**

This specification describes 3" - 24" (75 - 600mm) Hancor AASHTO pipe for use in nonpressure drainage applications.

**PIPE REQUIREMENTS**

Hancor AASHTO pipe shall have annular interior and exterior corrugations.

- 3" - 10" (75 - 250mm) shall meet AASHTO M252, Type C.
- 12" - 24" (300 - 600mm) shall meet AASHTO M294, Type C.

**JOINT PERFORMANCE**

Pipe shall be joined with internal or external couplers, or coupling bands covering at least two full corrugations on each end of the pipe. Connections shall meet the soil-tightness requirements of the AASHTO M252 or M294. Gasketed connections shall incorporate a closed-cell synthetic expanded rubber gasket meeting the requirements of ASTM D1056 Grade 2A2. Gaskets shall be installed by the pipe manufacturer.

**FITTINGS**

Fittings shall conform to AASHTO M252 or AASHTO M294.

**MATERIAL PROPERTIES**

- Pipe and fitting material shall be high density polyethylene meeting ASTM D3350-04 minimum cell classification 424420C for 3" - 10" (75 - 250mm) diameters or 435400C for 12" - 24" (300 - 600mm) diameters.
- The 12" - 24" (300 - 600mm) pipe material shall be a slow crack resistant material evaluated using the single point notched constant tensile load (SP-NCTL) test. Average SP-NCTL test specimens must exceed 24 hrs. with no test result less than 17 hrs.

**INSTALLATION**

Installation shall be in accordance with ASTM D2321 with the exception that minimum cover in trafficked areas shall be one foot (0.3m).

**PIPE DIMENSIONS**

Nominal Pipe I.D., in. (mm)	3 (75)	4 (100)	6 (150)	8 (200)	10 (250)	12 (300)	15 (375)	18 (450)	24 (600)
Approx. Pipe O.D., in. (mm)	3.6 (91)	4.7 (119)	7.0 (178)	9.4 (239)	12.0 (305)	14.2 (361)	17.8 (452)	21.5 (546)	28.0 (712)
Approx. Pitch, in. (mm)	0.7 (18)	0.7 (18)	0.7 (18)	1.0 (25)	1.7 (43)	2.0 (50)	2.4 (60)	3.0 (76)	3.9 (100)
Approx. Weight lb/ft (kg/m)	0.19 (0.28)	0.30 (0.45)	0.72 (1.07)	1.1 (1.64)	1.5 (2.23)	3.3 (4.91)	4.2 (6.25)	5.8 (8.63)	10.5 (14.96)
Perforations	All diameters are available in plain, perforated, or perforated with wrap styles.								



8" - 24" Split Band Coupler



4" - 10" External Snap Coupler



3" - 8" Internal Snap Coupler

All sales of Hancor product are subject to a limited warranty and purchasers are solely responsible for installation and use of Hancor products and determining whether a product is suited for any specific needs. Please consult a full copy of Hancor's Terms and Conditions for Sale for further details.

**DIRECT CONTACT**

**Customer Service**  
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**ELECTRONIC MEDIA**

**Web Site**  
Find market- and application-specific information and the latest industry news at our On-Line Pipeline – [www.hancor.com](http://www.hancor.com)