



# MAXFLO AASHTO DUAL WALL PIPE

12", 15", 18", 24" HDPE PIPE

30", 36", 48" HDPE PIPE



## DUAL WALL FEATURES

- In-Line Bell Design with ASTM F477 gaskets
- High performance bell/spigot for superior connective strength
- All MaXflo bells cover a minimum of two ribs
- All pipe and fittings meet or exceed AASHTO M252 and M294

AASHTO DUAL WALL PIPE		
Size	Part Number	Configuration
4"	08004-20S	MaXflo 4" Belled
6"	08006-20S	MaXflo 6" Belled
8"	08008-20S	MaXflo 8" Belled
10"	08010-20S	MaXflo 10" Belled
12"	08012-20S	MaXflo 12" Bell/Spigot
12"	08012-24PE / 08012-30PE	MaXflo 12" Plain End
15"	08015-20S	MaXflo 15" Bell/Spigot
15"	08015-24PE / 08015-30PE	MaXflo 15" Plain End
18"	08018-20S	MaXflo 18" Bell/Spigot
18"	08018-24PE / 08018-30PE	MaXflo 18" Plain End
24"	08024-20S	MaXflo 24" Bell/Spigot
24"	08024-24PE / 08024-30PE	MaXflo 24" Plain End
30"	08030-20S	MaXflo 30" Bell/Spigot
30"	08030-24PE / 08030-30PE	MaXflo 30" Plain End
36"	08036-20S	MaXflo 36" Bell/Spigot
36"	08036-24PE / 08036-30PE	MaXflo 36" Plain End
42"	08042-20S	MaXflo 42" Bell/Spigot
48"	08048-20S	MaXflo 48" Bell/Spigot
60"	08060-20S	MaXflo 60" Bell/Spigot

MANNING'S "n" VALUES (Coefficient of Roughness)
Product: Timewell MaXflo *
Diameter: 4" - 48"
Mannings "n" Value: 0.012

\*Timewell Drainage Products recommends the use of a Manning's "n" value of 0.012.

Nominal Diameter	Inside Diameter (Average)	Outside Diameter (Average)	Minimum Pipe Stiffness at 5% Deflection	Weight (lbs./20ft.)
4"	4.03"	4.73"	49.3 PSI	9 lbs.
6"	6.05"	6.89"	49.3 PSI	23.5 lbs.
8"	8.06"	9.11"	49.3 PSI	31 lbs.
10"	10.08"	11.34"	49.3 PSI	50 lbs.
12"	12.09"	14.40"	50 PSI	71 lbs.
15"	15.12"	17.50"	42 PSI	90 lbs.
18"	18.12"	21.05"	40 PSI	133 lbs.
24"	24.07"	27.65"	34 PSI	216 lbs.
30"	30.48"	35.65"	29 PSI	315 lbs.
36"	36.02"	41.30"	22.5 PSI	420 lbs.
42"	41.40"	47.70"	21 PSI	528 lbs.
48"	48.39"	53.60"	20 PSI	660 lbs.
60"	60.20"	66.40"	15 PSI	1,075 lbs.



# MAXFLO AASHTO DUAL WALL PIPE



MaXflo is a superior corrugated HDPE pipe with smooth interior designed for gravity flow storm sewer, retention/detention and other high capacity drainage applications.

## SPECIFICATIONS

Timewell participates in and complies to all production standards set forth by the National Transportation Product Evaluation Program. Pipe shall comply with requirements for test methods, dimensions and markings found in AASHTO designations M252 & M294.

## JOINTS

The MaXflo Bell-and-Spigot joint system provides superior load-bearing capability and improved hydraulics. MaXflo is supplied with an elastomeric gasket meeting the requirements of ASTM F477. Watertight Bell-and-Spigot joints, tested to ASTM D3212 standards, are available upon request. When applicable, plain end pipe utilizing a wrap around coupler is available.

## FITTINGS

Fittings conform to AASHTO M252 or M294. Fittings can be molded or fabricated. Common fittings are branch fittings such as wyes, tees, and end caps as well as in-line joint fittings like couplers and reducers. Couplers must provide adequate strength to maintain pipe alignment and prevent separation.

*TIMEWELL MaXflo Pipe meets or exceeds numerous industry standards including:*

<b>AASHTO M252</b>	<b>Requirements and testing for 3"-10" pipe, couplings and fittings</b> for use in subsurface drainage systems, storm sewers, and in surface drainage Referenced Standards: - ASTM D618 - ASTM D3350 - ASTM D2122 - ASTM F667 - ASTM D883 - ASTM D1693 - ASTM D2412 - ASTM F412
<b>AASHTO M294</b>	<b>Requirements and testing for 12"-60" pipe, couplings and fittings</b> for use in surface and subsurface drainage applications. <b>Now with industry inclusion of recycled materials for sustainability and service life.</b> Referenced Standards: - ASTM D618 - ASTM D3350 - ASTM D2122 - ASTM D2412 - ASTM D883 - ASTM D1693 - ASTM D2444 - ASTM F667 - AASHTO Standard Specification for Highway Bridges
<b>ASTM F667</b>	<b>Requirements and testing for 3"-24" pipe and fittings</b> for materials, workmanship, dimensions, perforations, pipe stiffness, elongation, joint separation resistance, quality of extrusion, brittleness, bond, and markings
<b>ASTM D3350</b>	<b>Identification of pipe and fitting materials</b> in accordance with a cell classification system
<b>ASTM D2321</b>	<b>Recommendations for the installation of pipe</b> used in sewers and other gravity-flow applications
<b>ASTM D3212</b>	<b>Specifications for joints of pipe systems</b> intended for drain, and gravity sewerage at internal or external pressures less than 25 ft head using flexible watertight elastomeric seals
<b>ASTM F477</b>	<b>Requirements for elastomeric seals (gaskets)</b> used to seal the joints of pipe used for gravity, low-pressure, and high-pressure applications
<b>ASTM F2306</b>	<b>Requirements for non-pressure (gravity flow) 8"-60" annular corrugated profile-wall polyethylene (PE) pipe and fittings for gravity-flow storm sewer and subsurface drainage applications</b>
<b>NTPEP</b>	<b>National Transportation Product Evaluation Program Certified:</b> Certification Program of AASHTO (4"-60")