

Product Specifications

Miami-Dade Water & Sewer Department
 Address: 3071 SW 38th Ave, Miami, FL 33146
 Phone: (305) 665-7477

Ductile Iron Pipe (D.I.P.)

Minimum Standards

- AWWA C104, C110, C111, C115, C151
- ASTM A536, D1248
- ANSI A21.51, A21.10, A21.11, A21.15, A21.4, B 16.1
- MDWASD Specification: Section 33 14 00 (15060)

Other Requirements

- ANSI/NSF 61 for potable water applications
- Linings:
 - ✓ Water application: Cement-lined
 - ✓ Sewer application: Protecto 401 liner with neoprene gaskets; Permax CTF
- Min. Pressure per Class:

Size	Class
4" - 12"	350
14" - 20"	250
24"	200
30" and above	150

- Approved Joints:
 - ✓ Push-on: Tyton, Fastite,
 - ✓ Mechanical
 - ✓ Flanged
 - ✓ Grooved-end
- Approved Restrained Joints:
 - ✓ Push-on with Gasket Restraint: Tyton /Field Lok, Amarillo Fastite, Fast-Grip, Barracuda Tyton, Sure Stop
 - ✓ Lok-Ring
 - ✓ Flex-Ring
 - ✓ TR-Flex
- Zinc Coating required in saltwater intrusion areas



Applications

- Water and Sewer

PRE-APPROVED MANUFACTURER

- 1) American Ductile Iron Pipe
- 2) McWane Inc. Ductile Iron Pipe Group
- 3) U.S PIPE

Issue Date: 4/4/2016

Revised Date: 2/5/2021

APPROVED PRODUCTS / MODELS

PIPE SIZE	MANUFACTURER	MODEL	SUBMITTED
4" - 54"	American Ductile Iron Pipe	Fastite American Ductile Iron Pipe	<input type="checkbox"/>
4" - 30"	American Ductile Iron Pipe	Amarillo Fast-Grip Gasket with Fastite American Ductile Iron Pipe	<input type="checkbox"/>
4" - 54"	American Ductile Iron Pipe (C&B, Custom Fab, ASAP)	Flanged Ductile Iron Pipe	<input type="checkbox"/>
4" - 42"	American Ductile Iron Pipe	Lok-Ring Ductile Iron Pipe	<input type="checkbox"/>
4" - 30"	American Ductile Iron Pipe	Flex-Ring Ductile Iron Pipe	<input type="checkbox"/>
4" - 30"	McWane Inc. Ductile Iron Pipe	TYTON JOINT Pipe	<input type="checkbox"/>
4" - 30"	McWane Inc. Ductile Iron Pipe	TR FLEX® RESTRAINED JOINT PIPE	<input type="checkbox"/>
4" - 16"	McWane Inc. Ductile Iron Pipe	Barracuda Restrained Joint Gasket	<input type="checkbox"/>
4" - 24"	McWane Inc. Ductile Iron Pipe	Sure Stop Restrained Joint Gasket	<input type="checkbox"/>
4" - 30"	U.S PIPE	TR - Flex Restrained Joint Pipe	<input type="checkbox"/>
4" - 54"	U.S PIPE	TYTON JOINT Pipe	<input type="checkbox"/>
4" - 36"	U.S PIPE	Tyton/ Field-Lok	<input type="checkbox"/>
4" - 16"	U.S PIPE	Barracuda Restrained Joint Gasket	<input type="checkbox"/>
4" - 54"	U.S PIPE, Custom Fab	Flange Ductile Iron Pipe	<input type="checkbox"/>
12" - 48"	U.S PIPE	HDSS® High Deflection High Pressure Restrained Pipe	<input type="checkbox"/>

Note: Pipe sizes larger than 42" require MDWASD Approval

SIZES FURNISHED

<input type="checkbox"/> 4"	<input type="checkbox"/> 12"	<input type="checkbox"/> 20"	<input type="checkbox"/> 42"
<input type="checkbox"/> 6"	<input type="checkbox"/> 14"	<input type="checkbox"/> 24"	<input type="checkbox"/> 48"
<input type="checkbox"/> 8"	<input type="checkbox"/> 16"	<input type="checkbox"/> 30"	<input type="checkbox"/> 54"
<input type="checkbox"/> 10"	<input type="checkbox"/> 18"	<input type="checkbox"/> 36"	<input type="checkbox"/> Other

REMARKS:

<input type="checkbox"/> Potable Water	<input type="checkbox"/> Sanitary Sewer
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GASKET MATERIAL (PUSH-ON, MJ, GASKET RESTRAINED)

POTABLE WATER

SBR Other

SEWER

Neoprene EPDM
 Other

SALTWATER INTRUSION AREAS (EAST OF I-95 OR SALTWATER INTRUSION LINE):

Zinc Coating

COMMENTS: _____

APPROVED PRODUCTS / MODELS

PIPE SIZE	MANUFACTURER	MODEL	SUBMITTED
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Approved by: MDWASD Departmental Standards, Specifications, and Product Committee

Revision History:

2-5-2021: Added HDSS® High Deflection High Pressure Restrained Pipe by U.S. Pipe