



**Sheet Number: 1.1** 

Miami-Dade Water & Sewer Department Address: 3071 SW 38th Ave, Miami, FL 33146

Phone: (305) 665-7477

### **Ductile Iron Pipe (D.I.P.)**

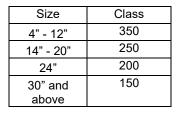
**Product Specifications** 

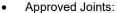
#### **Minimum Standards**

- 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; Permox CTF
- Min. Pressure per Class:





- ✓ 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	Issue Date: 4/4/2016	
American Ductile Iron Pipe MalMana Ina Bustile Iron Pipe		
McWane Inc. Ductile Iron Pipe Group U.S PIPE	Revised Date: 2/5/2021	

APPROVED PRODUCTS / MODELS									
PIPE SIZE	MANUFACTURER			MODEL	SUBMITTED				
4" - 54"	American Ductile Iron Pipe		Fastite A						
4" - 30"	American Ductile Iron Pipe		Amarillo Fast-Grip Gasket with Fastite American Ductile Iron Pipe						
4" - 54"	American Ductile Iron Pipe (C&B, Custom Fab, ASAP)			Flanged					
4" - 42"	American Ductile Iron Pipe			Lok-Ring Ductile Iron Pipe					
4" - 30"	American Ductile Iron Pipe			Flex-Ring Ductile Iron Pipe					
4" - 30"	McWane Inc. Ductile Iron Pipe			TYTON JOINT Pipe					
4" - 30"	McWane Inc. Ductile Iron Pipe			TR FLEX® RESTRAINED JOINT PIPE					
4" – 16"	McWane Inc. Ductile Iron Pipe			Barracuda Restrained Joint Gasket					
4" – 24"	McWane Inc. Ductile Iron Pipe			Sure Stop Restrained Joint Gasket					
4" - 30"	U.S PIPE			TR - Flex Restrained Joint Pipe					
4" - 54"	U.S PIPE		TYTON JOINT Pipe						
4" - 36"	U.S PIPE			Tyton/ Field-Lok					
4" – 16"	U.S PIPE		Barracuda Restrained Joint Gasket						
4" - 54"	U.S PIPE, Custor	n Fab			Flange Ductile Iron Pipe				
12" – 48"	U.S PIPE			HDSS® High Deflection High Pressure Restrained Pipe					
Note: Pipe sizes larger than 42" require MDWASD Approval									
Sizes Furnished									
	4"		12"			20"		42"	
	6"		14"			24"		48"	
	8"		16"			30"		54"	
	10"		18"			36"		Other	
REMARKS:									
	Potable Water □ Sanitary Sewer								
GASKET MATERIAL (PUSH-ON, MJ, GASKET RESTRAINED)									
POTABLE WATE	R								
	□ SBR			Oth	ner				
SEWER									
	☐ Neopren	е		EP	DM				
	□ Other								
SALTWATER INTRUSION AREAS (EAST OF I-95 OR SALTWATER INTRUSION LINE):									
	Zinc Coating								
COMMENTS:									

# APPROVED PRODUCTS / MODELS

PIPE SIZE MANUFACTURER MODEL SUBMITTED

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