



IRON STRONG

McWaneDuctile.com

A large, close-up photograph of several stacked sections of dark grey ductile iron pipe. The perspective is from the inside of the pipe, looking down its length. The pipe has a thick wall and a slightly textured interior. A blue semi-transparent rectangular box is overlaid on the right side of the image, containing the product name and size.

TYTON[®]
JOINT PIPE
3"-36"



McWane Ductile is a division of McWane, Inc.

For Generations

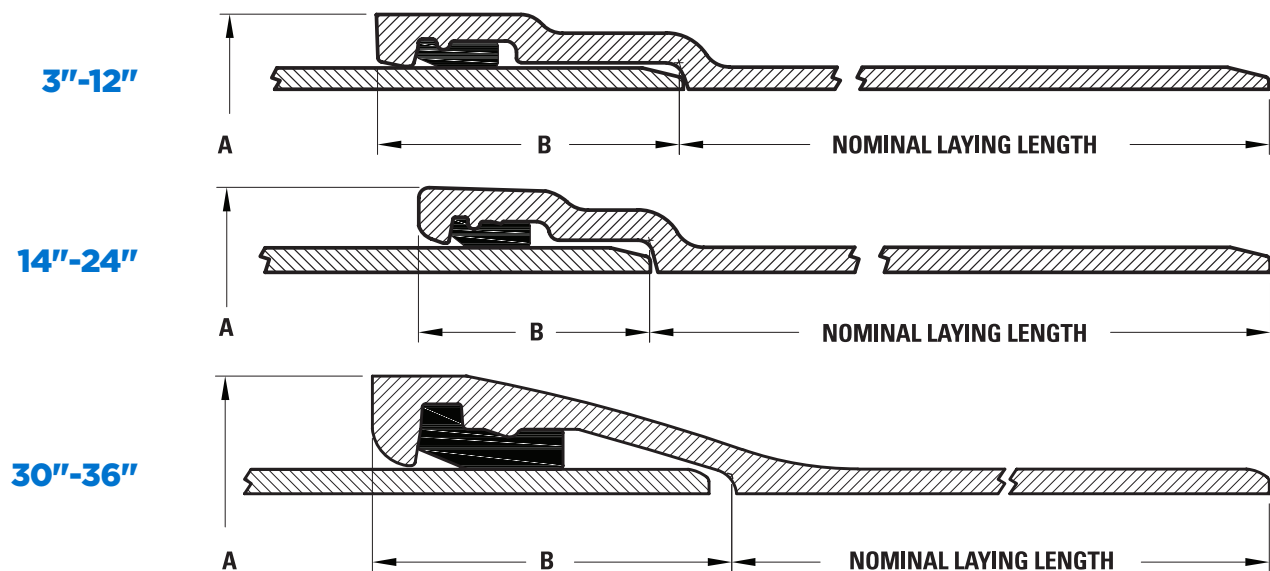
TYTON® JOINT PIPE FROM MCWANE DUCTILE

Tyton Joint® pipe is manufactured by McWane Ductile in 3" to 36" diameters in standard and pressure classes.

The Tyton Joint was brought to market in the mid-1950s and has been modified periodically ever since. The Tyton Joint is the most widely used gasketing system for pipe in North America and around the world. McWane Ductile's Tyton Joint provides 5 degrees of deflection, allowing easy pipeline routing around obstacles

with a minimal amount of fittings. McWane Ductile offers Tyton Joint pipe with various lining options, including single and double thickness cement, Protecto 401 or bare. Exterior coating options include standard asphaltic paint, zinc or bare. Please contact your local sales representative for more information.

DETAILS & DIMENSIONS

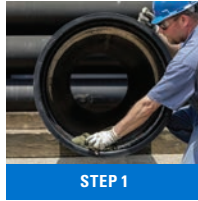


PIPE SIZE IN.	PIPE THICKNESS IN.		OUTSIDE DIAMETER IN.	*DIMENSIONS IN.	
	FROM	TO		A	B
3	.25	.40	3.96	5.80	3.00
4	.25	.41	4.80	7.10	3.15
6	.25	.43	6.90	8.63	3.38
8	.25	.45	9.05	10.94	3.69
10	.26	.47	11.10	13.32	3.75
12	.28	.49	13.20	15.06	3.75
14	.28	.51	15.30	17.80	5.00
16	.30	.52	17.40	19.98	5.00
18	.31	.53	19.50	22.00	5.00
20	.33	.54	21.60	24.12	5.25
24	.33	.56	25.80	28.43	5.50
30	.34	.63	32.00	35.40	6.55
36	.38	.73	38.30	41.84	7.00

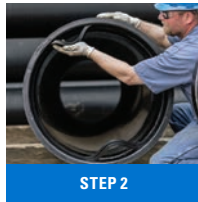
*Nominal laying length is 18 ft.

TYTON JOINT® ASSEMBLY INSTRUCTIONS

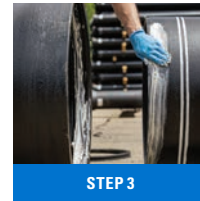
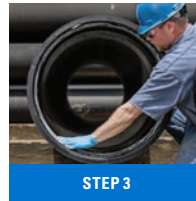
STEP 1. Thoroughly clean out the bell with special attention to the gasket recess. Remove any foreign material or excess paint. Clean the spigot or beveled plain end and remove any sharp edges with a standard file.



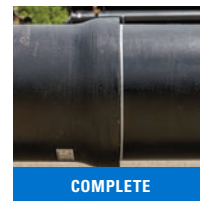
STEP 2. After making sure that the correct gasket is being used, insert it into the recess in the bell with the small end of the gasket facing the bell face.



STEP 3. Apply lubricant to the inside surface of the gasket, making sure that the entire surface is coated. Apply a generous coating of lubricant to the beveled portion of the plain end.



STEP 4. Guide the plain end into the bell, and while maintaining straight alignment, push the plain end into the bell socket. Once the joint is assembled, necessary deflection can be accomplished.



STANDARDS APPLICABLE TO DUCTILE IRON PIPE AND FITTINGS

THICKNESS DESIGN OF DUCTILE IRON PIPE	ANSI/AWWA C150/A21.50
DUCTILE IRON PIPE FOR WATER AND OTHER LIQUIDS	ANSI/AWWA C151/A21.51, FEDERAL WWP421D, GRADE C
DUCTILE IRON PIPE FOR GRAVITY FLOW SERVICE	ANSI/ASTM A746
DUCTILE IRON FITTINGS FOR WATER AND OTHER LIQUIDS (3 in. through 36 in.)	ANSI/AWWA C110/A21.10
DUCTILE IRON COMPACT FITTINGS (3 in. through 24 in.)	ANSI/AWWA C153/A21.53
FLANGED FITTINGS	ANSI/AWWA C110/A21.10, ANSI B16.1
DUCTILE IRON PIPE WITH THREADED FLANGES	ANSI/AWWA C115/21.15
COATINGS AND LININGS	
Asphaltic	ANSI/AWWA C151/A21.51, ANSI/AWWA C110/A21.10, ANSI/AWWA C153/A21.53
Cement Lining	ANSI/AWWA C104/A21.4
Various Epoxy Linings and Coatings	MANUFACTURER'S STANDARD
Exterior Polyethylene Encasement	ANSI/AWWA C105/A21.5
JOINTS - PIPE AND FITTINGS	
Push-On and Mechanical Rubber-Gasket Joints	ANSI/AWWA C111/A21.11, FEDERAL WWP421D
Flanged	ANSI/AWWA C115/A21.15, ANSI B16.1
Grooved and Shouldered	ANSI/AWWA C606
PIPE THREADS	ANSI B2.1
INSTALLATION	ANSI/AWWA C600

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