C153 DUCTILE IRON
PUSH-ON FITTINGS

Project Name: | Contractor: | Date:

Engineer: | Spec Section:

PRODUCT SPECIFICATIONS

Material:
Ductile Iron ASTM A536 Grade 60-42-10, 65-45-12 or 70-50-05.

Pressure Rating:
350 PSI Water Working Pressure 4”-24”

Testing:
In accordance with ANSI/AWWA 153/A21.53 & UL-FM Requirements. | Hydrostatically Tested in accordance with SIGMA Quality Management Standard.

Traceability:
All fittings are heat coded to ensure traceability and verification of metallurgicl properties in accordance with the prevailing standards and SIGMA Quality Management Standards.

Size Range:
4”-24

Laying Length:
Short body design - straight section of body deleted to provide a compact and lighter fitting without reducing strength or flow characteristics. In accordance with ANSI/AWWA C153/A21.53. Non-Standard items will be as per SIGMA design.

Deflection:
Up to 5 degrees

Joint:
TRIM TYTON JOINT® push-on bell joint design, manufactured by SIGMA under license from the US Pipe and Foundry Company

Approvals:
4”-12” Underwriters Laboratories listed and Factory Mutual Approved. UL/NSF61 & 372

Standards:
ANSI/AWWA C111/A21.11 and ANSI/AWWA C153/A21.53 for Ductile Iron Fittings 4” – 24” for water and other liquids. Certified to NSF/ANSI/CAN 61 and NSF/ANSI 372.

Installations:
Per ANSI/AWWA C600 and C111 using DIP conforming to C150/C151 and PVC pipe conforming to C900/905 and C909.

OPTIONAL SPECIFICATIONS

Gaskets	SBR (In accordance with ANSI/AWWA C111/A21.11)	☐
	EPDM	☐
	Neoprene	☐
	Nitrile	☐
	Other - Specify	☐
Coating	Asphaltic Seal Coat (In accordance with ANSI / AWWA C104/A21.04 and ANSI / AWWA C153/A21.10)	☐
	Fusion Bonded Epoxy (FBE) *Interior and exterior (In accordance with ANSI / AWWA C116/A21.16)	☐
	Zinc (In accordance with ISO 8179-2)	☐
	Others- Specify	☐
Lining	Cement-Mortar *Double thickness with asphaltic coating (In accordance with ANSI/AWWA C104/A21.4)	☐
	Fusion Bonded Epoxy (FBE)*Interior and exterior (In accordance with ANSI/AWWA C116/A21.16)	☐
	Protecto 401 Ceramic Epoxy	☐
	Others- Specify	☐
	Refer to: Lining Technical Bulletin and Guideline for more information	

FM APPROVED

CLASSIFIED UL WATER QUALITY

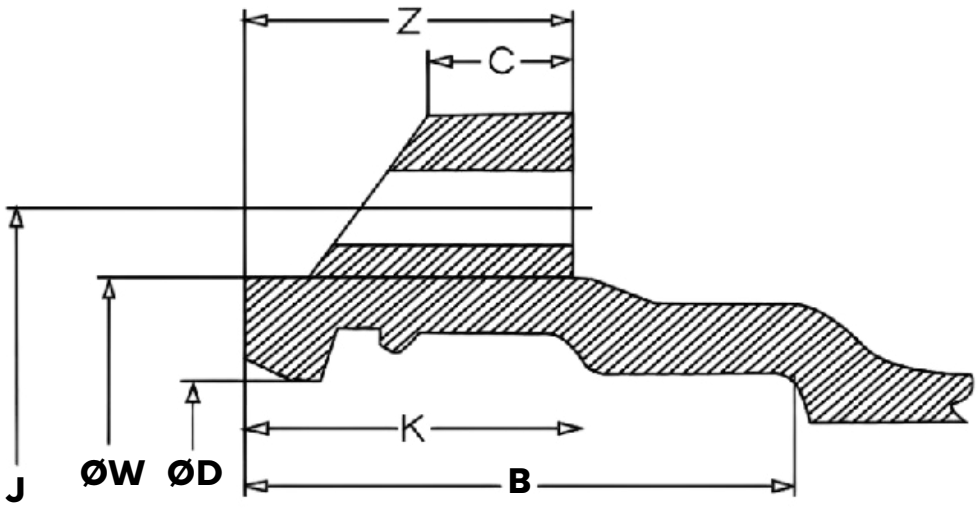
Certified to NSF/ANSI/CAN 61 and NSF/ANSI 372

UL

SIGMA WATERWORKS

C153 DUCTILE IRON

PUSH-ON FITTINGS



TYTON JOINT® Bell Specifications for C153 Iron Push-On Fittings

Size	ØD	J	ØD	K	B	Z	C
4	6.48	7.68	4.91	1.91	4.00	2.12	0.88
6	8.66	9.81	7.01	2.04	4.00	2.12	0.88
8	10.94	12.06	9.17	2.53	4.50	2.75	1.00
10	13.03	14.12	11.22	2.73	5.00	2.88	1.25
12	15.17	16.50	13.32	3.15	5.00	3.00	1.12
14	17.88	19.06	15.51	3.15	6.00	3.50	1.12
16	20.04	21.25	17.51	3.15	6.00	3.50	1.12
18	22.34	23.50	19.61	3.15	6.00	3.12	1.25
20	24.46	25.75	21.71	3.15	6.00	3.12	1.25
24	28.78	30.09	25.91	3.15	6.00	3.12	1.25

All dimensions are in inches