

SUBMITTAL SHEET

Ductile Iron Self-Restrained Fittings For IPS Plastic Pipe



MATERIAL:	Class 350 Ductile Iron per ASTM A-536, Grade 65-45-12, AWWA C153
PRESSURE RATING:	350 PSI
EPOXY COATING:	ANSI/AWWA C116/A21.16-09, NSF 61 & CSA Z245.20-98, 10-12 MIL
HARDWARE:	Low Alloy Steel ANSI/AWWA C11/A21.11, Optional 304 & 316 stainless
BELL SOCKETS:	Deep slanted bell, ANSI/AWWA C116/A21.16-09
GASKETS:	High grade EPDM rubber ANSI/AWWA C111/A21.11, Rib-Enforced design
DEFLECTION:	5 Degrees
INSTALLATION:	Per IPS Pipe Standards

Specification:

Fittings shall be ductile iron, slanted, deep bell, gasket style made in accordance with ASTM A-536, Grade 65-45-12 & AWWA C153. Fittings shall have joint restraint system cast within the fitting. Joint restraints shall have blunt cast serrations, so damage of the outer pipe surface will not occur. Machined threaded restraints shall not be allowed. All gaskets shall be manufactured of high grade EPDM rubber and shall be rib-enforced "U-Cup" design to seal and assist in restraining pipe at all pressures. Epoxy Coating on interior & exterior surfaces of fittings shall be fusion bonded epoxy, 10-12 mil thickness. The epoxy coated fittings shall pass 90-Day immersion tests per CSA Z245.20-98. All fittings shall be manufactured by Leemco, Inc., U.S.A.



Leemco, Inc.
360 S. Mount Vernon
Colton, CA. 92324
Ph: (909) 422-0088 Fx: (909) 422-0086
Web: www.leemco.com

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