

JOINT RESTRAINTS

IPS PRODUCTS - JOINT RESTRAINT SYSTEM



PIPE TO FITTING

LH-Series: 2" - 12" IPS Pipe Sizes
LHD-Series: 4" - 24" DPS Pipe Sizes
DLH-Series: 63 - 400MM DIN Pipe Sizes



PIPE TO PIPE

LB-Series: 2" - 12" IPS Pipe Sizes
LBD-Series: 4" - 24" DPS Pipe Sizes
DLB-Series: 63 - 400MM DIN Pipe Sizes



PIPE TO PIPE

LPP-Series: 2" - 12" IPS Pipe Sizes



PIPE TO FITTING For Gate Valves

LGK-Series: 2" - 12" IPS Pipe Sizes
LGKD-Series: 4" - 12" DPS Pipe Sizes
DLGK-Series: 63 - 400MM DIN Pipe Sizes



PIPE TO PIPE For Gate Valves

LG-Series: 2" - 12" IPS Pipe Sizes
LGD-Series: 4" - 12" DPS Pipe Sizes
DLG-Series: 63 - 400MM DIN Pipe Sizes



PIPE TO PIPE For MJ Gate Valves

LMJ-Series: 2" - 12" IPS Pipe Sizes
LMJD-Series: 4" - 12" DPS Pipe Sizes
DLMJ-Series: 63 - 400MM DIN Pipe Sizes

SIZES	2 - 12" IPS, 4 - 24" DPS & 63 - 400MM DIN
MATERIAL	CLASS 350 DUCTILE IRON PER ASTM A536, GRADE 65-45-12, AWWA C153
PRESSURE RATING	250 PSI
EPOXY COATING	ANSI/AWWA C116/A21.16-09, NSF 61 & CSA Z245.20-98, 10-12 MIL
HARDWARE	304-SERIES STAINLESS STEEL, OPTIONAL 316-SERIES STAINLESS STEEL
INSTALLATION:	PER IPS, DPS & DIN PIPE STANDARDS

SPECIFICATION

All changes of directions and reductions shall be mechanically restrained. Additional adjacent joints shall also be restrained as per manufactures recommendations. Joint Restraints shall be ductile iron and made in accordance with ASTM A536, Grade 65-45-12 and AWWA C153. All Restraints shall have blunt cast serrations. Machine threaded restraints shall not be allowed. All joint restraints shall have a FBE (fusion-bonded-epoxy) coating, 10-12 mil thickness. The epoxy coated restraints shall pass 90-Day immersion tests per CSA Z245.20-98. All Joint Restraints shall be manufactured by Leemco, Inc., U.S.A.

JOINT RESTRAINT TORQUE SETTINGS:
 2" - 3" Sizes: 20 LB
 4" - 8" Sizes: 50 LB
 10" - 24" Sizes: 100 LB

LEEMCO HAS A LARGE VARIETY OF
 FITTINGS AND VALVE ACCESSORIES.
 PLEASE VISIT OUR WEBSITE AT LEEMCO.COM



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