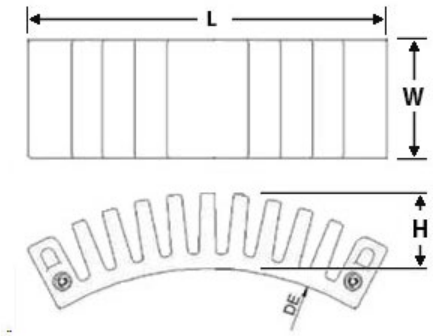
Molded Electrofusion Flex Restraint Dimension Sheet



TAA COMPLIANT

Product Family:	**Injection Molded Electrofusion Fitting**	**Fitting Design:**	**Flex Restraint**
Resin Status:	**NSF Listed Bi-Modal Virgin Resin**	**Fits Nominal Base Sizes:**	**6" – 63"**
Resin Type:	**ASTM D3350 designated PE3408/PE4710/PE100**	**Fits Nominal Pipe Standard:**	**IPS and DIPS**
Resin Cell Class:	**445574C-CC3**	**For Use on SDR Range:**	**7, 9, 11, 21, 26**
Manufactured and tested to meet requirements of:	**ASTM F1055, ASTM D2513, ASTM D3261, ANSI/AWWA C901 & C906, NSF 61**		
For use on pipe and fittings conforming to:	**ASTM D2513, ASTM D3035, ASTM F-714**		

For Material and Testing information, please refer to our Electrofusion Fitting Specification Sheet.

Instead of simply using the outside edges of the Flex Restraint to serve as the fittings cold zone; the design of the **IntegriFuse Electrofusion Flex Restraint** incorporates an innovative fusion coil pattern that includes built in cold zones that results in more consistent melt pools and interfacial pressures being generated in the fusion zone. This unique fusion coil design results in higher axial resistance performance than others in the marketplace.

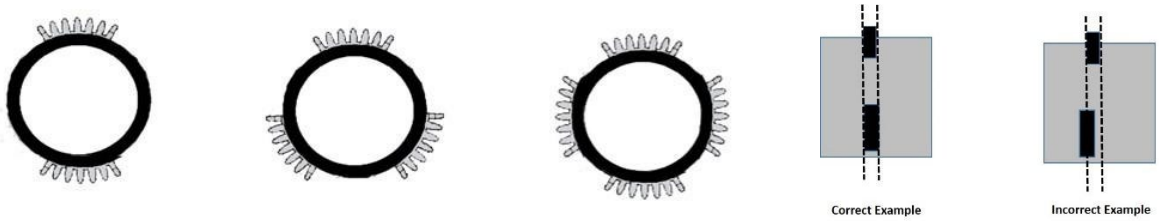
A Surface Mounted Fitting that Fits on IPS & DIPS Pipe

Nominal Size	L [in.]	W [in.]	H [in.]	Weight [lbs.]	Item Code	Axial Load Restraint Capacity (based on a safety factor of 2)
6" IPS/DIPS – 63" IPS/DIPS	7.50	2.45	1.56	0.42	200400	9,500 LBS

Can be Fused on Pipe Diameters 6" thru 10" on SDR 7 to 17 *Can be Fused on Pipe Diameters 12" thru 63" on SDR 7 to 26*

Important Note:

- *A design engineer must calculate the amount of thrust force that will result from expansion & contraction to decide the proper quantity of Flex Restraints needed for each application.*
- *Flex Restraints must be placed equally spaced and equally sectored on the surface of the pipe.*
- *Flex Restraints must be equally aligned around the circumference of the pipe.*



Integrity Fusion Products strongly requires that all individuals installing electrofusion fittings in permanent field applications should be done only by individuals who have a strong working knowledge of polyethylene and heat fusion methods, that have been properly trained, qualified, and hold a current training certificate issued from a recognized electrofusion fitting manufacturers authorized instructor, and that have demonstrated their understanding of these requirements by correctly preparing electrofusion test assemblies that have been qualified by recognized ASTM destructive testing. Other stipulations and regulations may apply, depending on fitting size, application, local codes, and/or jurisdictional oversight of other state and local regulating agencies.