

Georg Fischer Flex Restraint Fittings

Georg Fischer Flex Restraint Fittings are an easy and reliable way to restrain movement in Polyethylene pipes larger than 160mm OD when passing through a wall or structure.



TECHNICAL GUIDE: **APF9.1**

Applications

Pipe Restraint
Thrust Restraint
Manhole Rehab
Slip Lining

Product Attributes

Designed to restrain Polyethylene pipe movement
Permanently attached to pipe by electrofusion
Quick and easy installation

Approvals/Standards

PE3408 resin complies with
ASTM D3350

Quality

ISO 9001:2015 Quality
Management Systems

Georg Fischer Flexi Restraint Fittings are an excellent alternative to using ductile iron spool pieces when a PE pipeline needs restraint.



FIG. 1 Electrofusion Flex Restraints Tested to 10,000 lbs Axial Force

Product Features

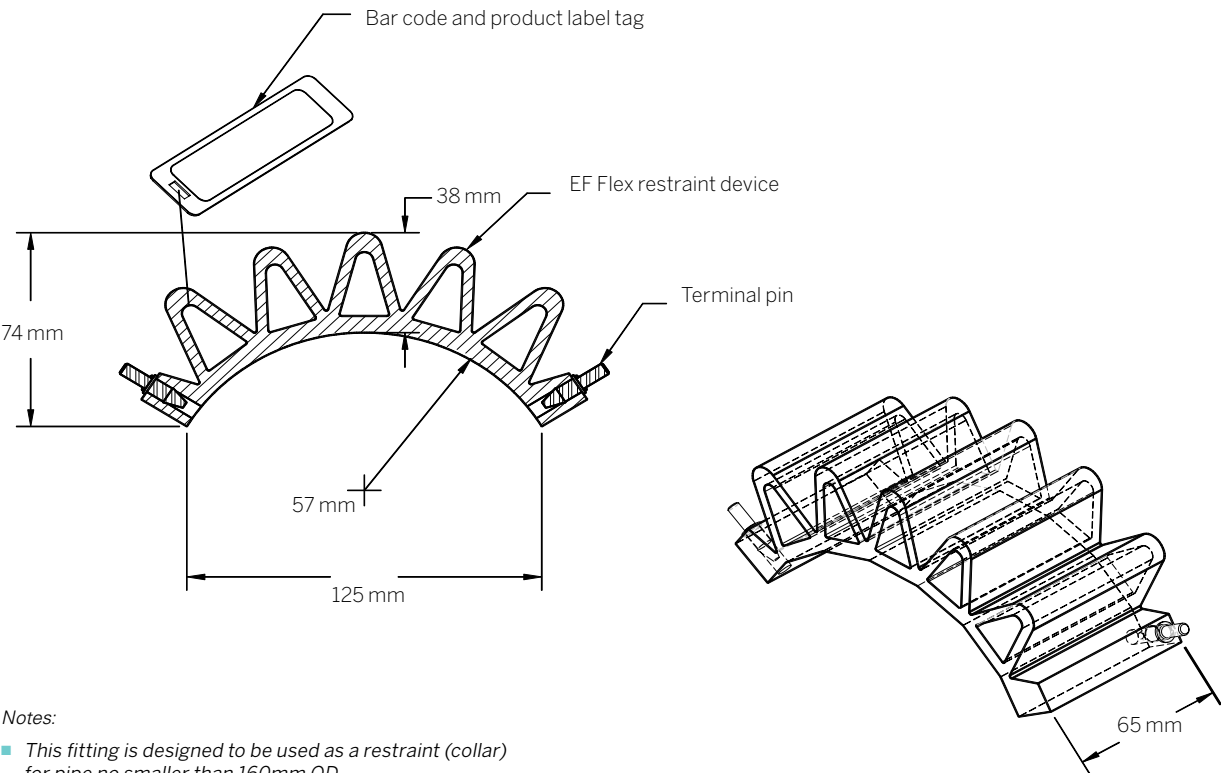
- Designed to restrain Polyethylene pipe movement
- Permanently attached to the pipe by electrofusion
- Quick and easy installation
- Flex restraints also can be used for centering and easy sliding of a PE pipe in another pipe
- Engineered for use on HDPE pipe
- Manufactured to work on pipes 160mm OD and larger
- Rated at 31 kN of axial resistance per saddle

Applications

- Pipe restraint
- Thrust restraint
- Manhole rehab
- Slip lining



Flex Restraint Device



- Notes:
- This fitting is designed to be used as a restraint (collar) for pipe no smaller than 160mm OD.
 - For standard pipe sizes and radi see radius chart.

Code:

EFRESTRAINTGF
 Main Pipe Size (R) = 160-1600mm
 L = 152mm
 H = 40mm
 W = 63mm

d (mm)	SDR11 Quantity of Restraints Needed	SDR17 Quantity of Restraints
160	2	2
225	2	2
280	3	2
315	4	3
355	5	3
400	6	4
450	8	5
500	8	5
560	11	8
630	13	9
710	14	11
800	16	16
900	18	18
1000	20	20
1200	25	25