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Part Name: Series SWR Swage HDPE Butt Fusion Reducer
Part Number: SWR-xxxx

Swage HDPE Butt Fusion Reducer

The Swage HDPE Butt Fusion Reducer is manufactured from High Density Polyethylene (HDPE) pipe. It is designed with a butt fusion end for ease of field installation. The HDPE is swaged to a reduced size during the manufacturing process creating the reducing transition.

System Performance

The transition fitting is designed to handle the pressure rating of the HDPE pipe with a 2:1 safety factor at 73.40 degrees Fahrenheit with a minimum 50-year design life.

Quality Assurance

The transition fitting shall be manufactured by Poly-Cam, Inc. Poly-Cam, Inc. shall provide quality assurance with regards to proper installation, compatibility, performance, and acceptance.

Installation

HDPE pipe end: Install transition fitting to comply with the pipe manufacturer's recommended procedures. All field welds shall be completed per Plastic Pipe Institute's welding procedure for butt fusion.

Material

High-Density Polyethylene: HDPE pipe

- Meets ASTM D-3350 with minimum cell classification values of 345464C (PE 3408), PE445574C (PE 4710)
- Meets ASTM F714.
- Density shall be no less than 0.955 g/cm as referenced in ASTM D1505
- Melt index no greater than 0.15 g/10 minutes when tested per ASTM D 1238
- Tensile Strength at Yield -tensile shall be 3,200 psi to less than 3,500 psi as referenced in ASTM D638

- ESCR-Environmental Stress Crack Resistance shall be over 5,000 hours with zero failures when tested per ASTM D 1693-Condition C
- All pipe meets ASTM 3035.
- All certifications will be submitted upon request.

Warranty

The warranty period is one year after the date of substantial completion of installation.

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Nominal Size (In.)	Poly-Cam Material	HDPE Diameter A	Fitting Length B	HDPE Reducer Length C	Fusion Length D
14x12	Polyethylene PE 4710	14	18	12.75	7
16x14	Polyethylene PE 4710	16	18	14	7
18x16	Polyethylene PE 4710	18	18	16	7
20x18	Polyethylene PE 4710	20	20	18	7
22x20	Polyethylene PE 4710	22	20	20	7
24x22	Polyethylene PE 4710	24	20	22	8
12x8	Polyethylene PE 4710	12.75	17	8.625	7
16x12	Polyethylene PE 4710	16	18	12.75	7
20x16	Polyethylene PE 4710	20	18	16	7
24x20	Polyethylene PE 4710	24	20	20	8

