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Part Name: Series SWG Sweeps with Groove Transitions

Part Number: SWGxxxxxxxxAxx

### **Poly-Cam Sweep with Groove Transitions**

The Poly-Cam Sweep with Groove Transitions is manufactured from High Density Polyethylene (HDPE) pipe. The design allows fluid to travel through the fitting with less restriction.

The Poly-Cam Groove Transition is a multi-level mechanical transition fitting. The polyethylene or pipe-quality copolymer material are hydraulically compressed into the transition fitting.

- Inquire for available sizes.
- Grooves are cut to standard cut groove specification.

### **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**

**Steel Fitting:** Install per coupling instructions for grooved pipe.

### **Material**

#### **Steel Fitting:**

- Manufactured of Carbon Steel (A53 or A106 grade), Type 304, or Type 316 (ASTM A249 or ASTM A269) and or ERW pipe (ASTM SA-312)

- For carbon steel, the **epoxy coating** (IF 194T Red Iron Oxide) is fusion bonded to the metal. Meets NSF 61, FDA 175.300, AWWA C116-01,C213-01, UL 262 and FM 1120/1130

**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.

