

ICC-ES PMG Listing**PMG-1118**

Effective Date: January 1, 2012

This listing is subject to re-examination in one year.

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CSI: DIVISION: 22 00 00 – PLUMBING
Section: 22 13 16 – Sanitary Waste and Vent Piping

Product certification system:

The ICC-ES product certification system includes testing samples taken from the market or supplier's stock, or a combination of both, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the supplier's quality system.

Product: "Proflex" Shielded Transition Couplings

Listee: FERNCO, Inc.
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Davison, Michigan 48423
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Compliance with the following codes:

2012 and 2009 *International Plumbing Code® (IPC)*
2012 and 2009 *Uniform Plumbing Code® (UPC)**
2012 and 2009 *International Residential Code (IRC)*
2010 and 2005 *National Plumbing Code of Canada*

*Uniform Plumbing Code is a copyrighted publication of the International Association of Plumbing and Mechanical Officials

Compliance with the following standards:

ASTM C 1460	Shielded Transition Couplings for Use with Dissimilar DWV Pipe and Fittings above Ground
ASTM C564	Rubber Gaskets for Cast Iron Soil Pipe and Fittings
CSA B602	Mechanical Couplings for Drain, Waste, and Vent Pipe and Sewer Pipe

Identification:

Each clamp assembly and gasket must be permanently marked with the manufacturer's name or the manufacturer's registered trademark, model number, country of origin, and pipe size and class for which it is designed, standard designation, and ICC-ES PMG listing mark.

Each clamp assembly must be labeled and permanently marked as to the material(s) for which it is intended. The label or marking shall be visible after installation.

Models:

FERNCO PROFLEX COUPLINGS

Fernco Proflex shielded transition couplings are designed for the connection of sewer drain, waste, and vent pipe of similar and dissimilar material and size.

Proflex couplings incorporate a one piece elastomeric rubber gasket with a 300 series stainless steel shield. Each shield is equipped with a minimum of two 300 series stainless steel worm gear clamps. Tightening each clamp in an alternating pattern to 60 lbf-in (6.78 N-m) torque compresses the gasket against the outside pipe wall effectively sealing the coupled pipe sections. Refer to Table 1 for the specific connections:

Table 1 – FERNCO PROFLEX COUPLINGS

Part Number	Description¹
3000-150	1½-inch CI, plastic, or steel to 1½-inch plastic or steel
3000-22	2-inch CI, plastic, or steel to 2-inch plastic or steel
3000-215	2-inch CI, plastic, or steel to 1½-inch plastic or steel
3000-33 ²	3-inch CI to 3-inch plastic, steel, or XHCI
3000-43 ²	4-inch CI to 3-inch plastic, steel, or XHCI
3000-44 ²	4-inch CI to 4-inch plastic, steel, or XHCI
3000-55 ²	5-inch CI to 5-inch plastic, steel, or XHCI
3000-66 ²	6-inch CI to 6-inch plastic, steel, or XHCI
3000-88 ²	8-inch CI to 8-inch plastic, steel, or XHCI
3001-110	1½-inch CI, plastic, or steel to 1-inch copper or 1-inch plastic
3001-1125	1½-inch CI, plastic, or steel to 1¼-inch copper or 1-inch plastic
3001-150	1½-inch CI, plastic, or steel to 1½-inch copper or 1¼-inch plastic
3001-2125	2-inch CI, plastic, or steel to 1¼-inch copper or 1-inch plastic
3001-215	2-inch CI, plastic, or steel to 1½-inch copper or 1¼-inch plastic
3001-22	2-inch CI, plastic, or steel to 2-inch copper
3001-315	3-inch CI to 1½-inch copper or 1¼-inch plastic
3001-32	3-inch CI to 2-inch copper
3001-33	3-inch CI to 3-inch copper
3001-43	4-inch CI to 3-inch copper
3001-44	4-inch CI to 4-inch copper
3002-150	1½-inch CI, plastic, or steel to 1½-inch tubular
3002-215	2-inch CI, plastic, or steel to 1½-inch tubular
3002-155	1½-inch tubular to 1½-inch tubular
3003-150	1½-inch copper to 1½-inch copper or 1¼-inch plastic
3003-215	2-inch copper to 1½-inch copper or 1¼-inch plastic
3003-22	2-inch copper to 2-inch copper
3003-33	3-inch copper to 3-inch copper
3004-320 ²	3-inch CI to 2-inch CI, plastic, or steel
3004-420 ²	4-inch CI to 2-inch CI, plastic, or steel
3004-430 ²	4-inch CI to 3-inch CI
3004-540 ²	5-inch CI to 4-inch CI
3005-33 ²	3-inch plastic, steel, or XHCI to 3-inch plastic, steel, or XHCI
3005-43 ²	4-inch plastic, steel or XHCI to 3-inch plastic steel or XHCI
3005-44 ²	4-inch plastic, steel, or XHCI to 4-inch plastic, steel, or XHCI
3005-66 ²	6-inch plastic, steel, or XHCI to 6-inch plastic, steel, or XHCI
3006-32 ^{2,3}	3-inch copper to 2-inch CI, plastic or steel
3006-43 ^{2,3}	4-inch copper to 3-inch CI
3006-215 ^{2,3}	2-inch copper to 1½-inch CI, plastic or steel
3007-32 ³	3-inch plastic, steel, or XHCI to 2-inch copper
3007-33 ³	3-inch plastic, steel, or XHCI to 3-inch copper
3007-43 ³	4-inch plastic, steel, or XHCI to 3-inch copper
3007-44 ³	4-inch plastic, steel, or XHCI to 4-inch copper
3008-32 ²	3-inch plastic, steel, or XHCI to 2-inch CI, plastic, or steel
3009-33	3-inch Thinwall plastic to 3-inch plastic
3009-44	4-inch Thinwall plastic to 4-inch plastic

Part Number	Description ¹
3010-150	1½-inch copper to 1½-inch tubular
3010-215	2-inch copper to 1½-inch tubular

¹ 1 inch = 25.4 mm

² Series 3000 Flexible Couplings have not been evaluated for cast iron pipe to cast iron pipe connections.

³ Series 3006 Couplings have not been evaluated for connecting copper to galvanized steel pipe.

- Plastic – Schedule 40 Size
- Steel – Iron Pipe Size (IPS)
- CI – No Hub Cast Iron
- XHCI – Extra Heavy Weight Cast Iron
- Thinwall Plastic – Sewer and Drain Pipe Size ASTM D 2729
- Tubular – Brass and Plastic Drain Tubing

Conditions of Listing:

1. The Fernco Products must be installed in accordance with this listing, the applicable code and the manufacturer's published installation instructions. The instructions within this listing must govern if there are any conflicts between the manufacturer's published instructions and this listing.
2. Label or marking must be visible after installation.
3. The stainless steel clamps must be tightened to not less than 60 lbf-in (6.78 N-m) torque.
4. Series 3000 flexible couplings have not been evaluated for cast iron pipe to cast iron pipe connections.
5. Series 3006 couplings have not been evaluated for connecting copper to galvanized steel pipe.
6. Couplings are manufactured in Davison, Michigan under a quality control program with annual inspections by CSA International (AA-659).

