### EYS Grayloy-Iron and Malleable Iron Sealing Fittings: Explosion-Proof, Dust-Ignition-Proof, Raintight

UNILETS® for Use with Threaded Metal Conduit.

<table>
<thead>
<tr>
<th>Size (In.)</th>
<th>Turning Radius† Inches (cm)</th>
<th>Kwiko® Cement Req'd. Ozs. (Grams)</th>
<th>Catalog Number</th>
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<td>Grayloy-Iron*</td>
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<tr>
<td><strong>EYS Vertical and Horizontal Conduit Seals for Close Turning Radius</strong></td>
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<tr>
<td>1/2</td>
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* Shaded area indicates items which are U.L. Listed for Class I, Groups B, C, and D; Class II, Groups E, F and G; and Class III.
○ Shaded area indicates items which are U.L. Listed for Class I, Groups A, B, C, and D; Class II, Groups E, F and G; and Class III.
* U.L. Listed for use with Appleton “Kwiko” and Crouse-Hinds “Chico A” cement.
† Turning radius with cover or plug removed.
‡ Also U.L. Listed for Group A.

Effective August, 1995
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### Features: All Fittings
- Explosion-proof, dust-ignition-proof.
- Smooth, rounded integral bushing in each hub protects conductor insulation.
- Accurately tapped, tapered threads for tight, rigid joints and ground continuity.

### Features: Non-Expansion Unions
- Concentric ring interlocked design of 1/2", 3/4", and 1" sizes makes possible smaller diameter, allowing use in tighter spaces. 1-1/4" and larger UNY sizes have removable male nipple.
- Choice of malleable iron or aluminum.

### Features: Expansion Unions
- One-piece design eliminates need for disassembly during installation.
- Telescoping cylinder within cylinder design permits expansion or contraction.
- Standard or long types available.
- Small external diameters—excellent in restricted areas in wiring of pumps, motors, and other equipment.
- Internal phosphor bronze "bonding jumper" ring assures positive ground between telescoping cylinders.

### Features: Sealing Fittings
- Reinsafe construction.
- Removable nipple in male sealing fitting may be used interchangeably in top or bottom hub.
- EYS—For sealing vertical conduit. Large opening for damming and filling.
- Expanded Fill EYSEF/EYDEF—allow up to 40% conduit fill in compliance with the National Electrical Code.
- EYSEF/EYSM for sealing vertical conduit. Large opening for damming and filling.
- ESUF/ESUM for sealing vertical or horizontal conduit. Pouring spout rotates 90°. Removable cover provides full access for damming. 2-1/2" thru 4" sizes have threaded cover openings for damming.
- EYF/EYM—Close radius type for sealing vertical or horizontal conduit runs.
- EYDM Drain Sealing Fittings—close radius type for sealing vertical conduit runs. Access cover has drain valve for automatic draining of water accumulation above the seal.
- SF/SFM Drain Sealing Fittings—sealing vertical conduit runs. Provide continuous automatic draining of water accumulation above the seal.
- Kwiko® sealing cement is a specially formulated water soluble powder. Mixed to the proper proportions, it is poured in sealing fittings and hardens to contain and restrict the passage of gases and explosions in classified areas.
- Fiber Filler—makes dams around and between all conductors to prevent sealing compound from leaking while being poured in its liquid state.

### Features: Sealing Hubs
- UL Listed for use in hazardous locations when Kwiko® Sealing Compound or Crouse-Hinds Chico® A Sealing Compound are used to make the seal.
- Accurately tapped, tapered threads for each hub protects conductor insulation.
- Interior insulating liner protects conductors from abrasion under vibrating conditions.
- EXG—Both end fittings are female, each furnished with a removable male nipple.
- EXL—Female end fitting with union at one end plus a female end fitting with a removable male nipple at the other end.

### Standard Materials
- UNY and UNF (Non-Expansion) Unions: 1/2" thru 1": steel or aluminum.
- UNF and UNL Unions: steel.
- UNY and UNF Expansion Unions: steel.
- UNL Unions: malleable iron and steel.
- EYSF/EYSM, EYF/EYM and EYDM Seals: malleable iron or Almag 35 aluminum.
- EYS, EYSEF/EYDEF, ESUF/ESUM and SF/SFM Seals: malleable iron.
- EYD and EYS Seals: Grayloy-iron.
- EXG and EXLK Couplings, 1/2" thru 2": outer bronze braid, inner brass core with insulating liner; 2-1/2" thru 4": outer stainless steel braid, inner stainless steel core with insulating liner. End Fittings: 1/2" thru 2"—brass; 2-1/2" thru 4"—stainless steel.
- PLG Close-Up Plugs: malleable iron, steel, or aluminum.
- BR Reducers: malleable iron or aluminum.
- EL and UNA Reducers: malleable iron or cast iron.
- ECD Combination Drain/Breather: stainless steel.

### Standard Finishes
- Unions—UNY, UNF and UNL (Non-Expansion) and UNY and UNF (Expansion) of malleable iron have triplecoat—(1) zinc electroplate, (2) dichromate, and (3) epoxy powder coat, of steel have zinc electroplate, of aluminum 1/2" thru 2" have natural finish and 2-1/2" thru 4" have epoxy powder coat.
- Sealing Fittings—EYSF/EYSM, ESUF/ESUM, EYF/EYM, EYDM and SF/SFM, EYD/EYS of malleable iron and Grayloyiron have triplecoat—(1) zinc electroplate, (2) dichromate, and (3) epoxy powder coat, of Almag 35 aluminum have epoxy powder coat.
- Sealing Hubs—ES of malleable iron have a triplecoat—(1) zinc electroplate, (2) dichromate, and (3) epoxy powder coat.
- Flexible Couplings—EXG and EXLK steel end fittings have zinc electroplate and clear chromate, brass has natural finish.
- Close-up Plugs—PLG of malleable iron have a triplecoat—(1) zinc electroplate, (2) dichromate, and (3) epoxy powder coat; steel have zinc electroplate; aluminum have natural finish.
- Bell Reducers—BR of malleable iron have a triplecoat—(1) zinc electroplate, (2) dichromate, and (3) epoxy powder coat; aluminum have natural finish.
- Elbows—EL and UNA are malleable iron and have a triplecoat—(1) zinc electroplate, (2) dichromate, and (3) epoxy powder coat; aluminum have natural finish.
- Combination Drain/Breathers—ECDB are passivated stainless steel and have a natural finish.

### Options
- For ES Sealing Hubs, add suffix BLSG for sealing gaskets and locknuts (provide a water and oil-tight connection).
- For EXG or EXLK Flexible Couplings, a pvc coating is available. Consult factory for details and pricing.

### Compliances
- UL Standard 886
- Appleton malleable iron products conform to ASTM A47-77, Grade 32510, which has the following properties: tensile strength, 50,000 psi; yield, 32,000 psi; and elongation, 10%.
- Appleton malleable iron products are produced from a high strength copper-free (4/10 of 1% max.) alloy.