Jacketed Metal Clad Cable and Teck Cable

Metal Clad Cable (Type MC) Ref. NEC Article 334*

“Metal Clad Cable Type MC is a factory assembly of one or more conductors, each individually insulated and enclosed in a metallic sheath of interlocking tape, or a smooth or corrugated tube.”

Metal Clad Cable Type MC is rated for use up to 5,000 volts. The National Electrical Code permits use of metallic sheath as an equipment grounding conductor.

Metal Clad Cables are available with a variety of phase conductor insulations such as cross-linked polyethylene, and silicone rubber ethylene propylene, depending on rated temperature of conductors and working potential. Metallic sheath can be of galvanized steel, aluminum, copper or bronze. A special outer covering such as PVC or Neoprene over metallic sheath is usually provided for environmental protection.

Metal clad cable is not permitted in locations where it could be subject to physical damage. Metal clad cable can be used exposed, concealed, in cable tray, in any approved raceway, and with minor exceptions in hazardous locations. Type MC cable can also be used for services, feeders, branch circuits, power, lighting, control and signal circuits.

Bend radius restrictions are dependent on the size of the cable and the type of sheath, i.e., smooth, interlocked armor, corrugated sheath or shielded conductors and varies from 7 times to 15 times cable external diameter.

NEC Article 334 requires that approved fittings be used for termination. Where single-conductor cables carrying alternating current enter a ferrous metal box or enclosure, procedures described in NEC Section 300-20 must be followed to reduce effects of heating due to induced currents. These procedures include recommended arrangements of conductors, cutting of slots in metal between individual conductor holes, passing of conductors or exposed to cinder fills, strong chlorides, caustic alkalis, vapors, chlorine or hydrochloric acids provided the construction of the cable, the conductors within the metallic sheath, the metallic sheath and protective cover over metallic sheath comply with requirements enumerated in Sec. 334-3 of the National Electrical Code.

Continuity is mandatory whether or not the armor is used as a grounding conductor and ensure electrical continuity without injury to non-metallic sheath.

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Please refer to the following for further details and complete information:
1. NEC Article 334...Metal Clad Cable (Type MC)
2. UL 4, ANSI C33.9...Safety Standards for Type MC Metal Clad Cable
3. UL 514B, Safety Standards for Outlet Boxes & Fittings
5. NEMA FM-1...Standards Publication. Fittings and Supports for Conduit and Cable Assemblies

Teck Cables

Teck cable derived its name from one of its first users, the Teck-Hughes Gold Mines in Kirkland Lake, Ontario. Teck 90 is CSA Type designation. Trade designation of this cable is Armored Cable.

Teck cables up to 5,000 volt working potential are manufactured in accordance with CSA Standard C22.2 No. 131 and are provided with a bare ground conductor and an optional outer jacket. Depending on phase conductor insulation the cables are designated as Teck 90 (X-LINK) when insulation is cross-linked polyethylene and Teck 90 (EP) when insulation is ethylene propylene. Both cables are rated for 90° C service (dry location) and 75° C (wet locations). When Teck cable is suitable for installation down to minus 40° F the cables are marked Teck 90 (X-LINK) minus 40 or Teck 90 (EP) minus 40.

Over 5,000 volts working potential Teck cables are manufactured in accordance with IPEC standards and are certified by CSA. Cables are provided with or without ground wire as required.

Teck cables with outer jacket may be used for exposed or concealed wiring in wet or dry locations, indoors/outdoors and in corrosive environments. Teck cables are suitable for use in ventilated, non-ventilated and ladder-type cable troughs, in ventilated flexible cable ways in both dry and wet locations. Teck cable with outer jacket is suitable for direct earth burial and for Class II Division 2, Class III Division 1 & 2 hazardous locations per Canadian Electric Code.

Some of the features of Teck cable are its flexibility and ease of installation. Absence of dead air space within cable increases heat transfer and minimize condensation. Overall protective covering provides good environmental protection.

Bend radii for permanent training during installation usually varies between 7 times to 12 times the cable diameter depending on cable construction and manufacturer's recommendations. Larger radii bends are required for other conditions.

Section 12-3028 of the Canadian Electric Code requires that the terminating fittings used must provide adequate strain relief to terminal connections and ensure electrical continuity without injury to non-metallic sheath. Continuity is mandatory whether or not the armor is used as a grounding conductor. Except for dry locations free from corrosive atmosphere, the non-metallic jacket is not permitted to be stripped back to a point where armor is exposed after installation.

Where single conductor cables carrying 200 amps or more enter metal boxes through separate openings, certain precautions are required to prevent overheating of the metal by induction. Use of non-ferrous or non-metallic box connectors, locknuts and bushings and installation of non-magnetic panel inserts is suggested in the code.

Please refer to the following for further details and complete information:
1. CEC Section 12...Wiring Methods
2. CSA C22.2 No. 131 & 131S (Supplement #1)...Safety Standard for Type Teck Cable
3. CSA C22.2 No. 18...Safety Standards for Outlet Boxes, Conduit Boxes and Fittings
4. UL File E82038 — Volume 1, Section 3, Page 1, Revision 1/31/2007

Please Note: The materials herein, whether relating to the National Electrical Code, the Underwriters Laboratories, Inc. listing, to industry practice or otherwise are not intended to provide all relevant information required for use and installation of our products. Refer to applicable codes, instructions and industry specifications prior to installation or use.
STAR TECK EXTREME® —
STE/STEX Series Cable Fitting

The STAR TECK® STE cable fitting series is designed for optimum integrity in ordinary applications. The STE series is specially designed for classified hazardous areas. Both are designed to stand up to the harshest and most corrosive environment.

Application
- Provides means for passing jacketed metal clad cables through a bulkhead or enclosure in industrial and hazardous areas. (These fittings are suitable for hazardous areas when used with T&B sealing compound.)
- Forms a mechanical grip and water and/or oil-resistant termination
- Provides grounding continuity of cable armor

Features
- Patented powergrip grounding ring
- Removable armor-stop for greater cable ranges
- Built-in sealing device
- Patented Elastomeric collar ring/bushing for greater cable ranges
- Built-in jacket stripping gauge on gland nut
- Gland nut can be tightened with hammer and screwdriver

Range
- STAR TECK EXTREME® fittings are designed to accommodate a broad range of cables. Each hub range overlaps the adjacent hub range, thereby minimizing the possibility of mismatched cables and fittings in the field. They are available in hub sizes from ½” to 4” and will handle outer jacket diameters form 0.525” to 4.340”.

Materials
- Aluminum is standard material
- Add suffix “S” for steel with zinc plating
- Add suffix “PVC” for corrosion resistant PVC coating
- Add suffix “SS” for stainless steel material

Cable Type
- JMC, MC-HL, Teck

Environment Classification
- STE* Series
  - Ordinary Location
  - Class I, Division 2†
  - NEMA 4, 4X (stainless steel), 6P
  - STE050 — STE200
    - NEMA 6P
  - STE250 — 400
    - NEMA 4
  - STE050 — 400
    - NEMA 4X (stainless steel)
- STEX** Series
  - Class I, Division 1, Groups A, B, C, D
  - Class II, Division 1, Groups E, F, G
  - Class III
  - NEMA 4, 4X (stainless steel), 6P
  - UL Listed for Direct Burial when made from stainless steel material
  - Suitable for use in wet locations and concrete tight (steel) applications per UL 514B
  - UL File No. E82038/E38947
  - CSA File No. LR638/LR23086

* These fittings are suitable for Class I hazardous locations when used in combination with a certified Class I hazardous location sealing fitting.
** May be used in hazardous areas with approved MC-HL or Teck cable (or equal) when installed in accordance with NEC/CEC requirements. Not applicable to all STEX series.
### STAR TECK EXTREME® Jacketed Metal-Clad Cable Termination Fittings

#### Ordinary Locations

<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>HUB SIZE NPT</th>
<th>STRIP LENGTH (IN.)</th>
<th>GLAND STRIP LENGTH (IN.-LB.)</th>
<th>CABLE RANGE OVER JACKET (IN.)</th>
<th>CABLE RANGE OVER ARMOR (IN.)</th>
<th>A1: THROAT</th>
<th>A2: THROAT</th>
<th>B</th>
<th>C</th>
<th>SEALING COMPOUND REQUIRED</th>
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#### Hazardous Locations

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#### Sealing Compounds — Used for Hazardous Locations

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<th>DESCRIPTION</th>
<th>VOLUME</th>
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<tr>
<td>SC65</td>
<td>Putty Type Sealing Compound</td>
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<tr>
<td>SC4-KIT</td>
<td>Liquid Type Sealing Compound for use in high wire density applications</td>
<td>2.8 fl. oz. (66 cc) (6 or more wires)</td>
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**To specify other material, add the appropriate suffix to the category number.**

- Aluminum fitting with grounding lock nut: GRL
- Steel with zinc plate: S
- Aluminum with PVC coating: PVC
- Steel with PVC coating: S-PVC

* These products are UL Listed Watertight NEMA Type 6P
** UL tested for data cables
# Does not have a removable armor stop.
Jacketed Metal Clad Cable Termination Fittings

STAR TECK® Jacketed Metal-Clad Cable Fittings

Overlapping range of sizes. Star Teck® jacketed metal-clad cable fittings are designed to accommodate a broad range of cables, thereby minimizing the possibility of mismatched cables and fittings in the field.

Application
- Provide means for passing armored, metal clad, jacketed cables through a bulkhead or enclosure in hazardous areas (these fittings are suitable for hazardous areas when used with T&B sealing compound)
- Form a mechanical grip and water and/or oil-resistant termination
- Provide grounding continuity of cable armor

Cable Type
- JMC, MC-HL, Teck

Features
Easy Installation
- Exclusive power-grip. Provides a grip that's high up on the cable — not on the first convolution — so strip length and cutting of cable are not critical.

Dependable Service
- Stainless steel retaining ring. Withstands corrosive environments. Non-magnetic

Dependable Grounding
- Power-Grip grounding ring is non-magnetic stainless steel. Provides 360° long-term dependable grounding. It makes immediate contact with the cable.

Watertight
- Tapered bushing. Cone shaped to provide a secure, tight fit while eliminating copper or water in vertical installations.

Easy to Install in Tight Spaces
- Low profile gland nut fits tight spaces. Has grooves for screwdriver installation, and flats for a wrench. Durable and reusable with funnel entry for easy cable insertion

Materials
- Aluminum is standard material
- Add suffix “S” for steel with zinc plating
- Add suffix “PVC” for corrosion resistant PVC coating
- Add suffix “SS” for stainless steel Grade 316 material (1⁄2”–2” sizes)

Environment Classification
- Suitable for hazardous locations. Class I Div. 2; Class II Div. 2; Class III.
- Where explosion proof or dust proof fittings are required by code use STAR TECK XP® fittings (STX Series)
- NEMA 4
- Suitable for use in wet locations and concrete tight (steel) applications per UL 514B
- UL File No. E82038/E38947
- CSA File No. LR638/LR23086

Range
- Available in hub sizes from 1⁄2” to 4”, and will handle outer jacket diameters from 0.525” to 4.340”

Installing the STAR TECK® Fitting
1. Prepare cable
2. Insert cable
3. Tighten gland nut
Jacketed Metal Clad Cable Termination Fittings

Overlapping range of sizes accommodates a broad range of cables!

STAR TECK® Jacketed Metal-Clad Cable Fittings for Ordinary Locations

| CAT. NO. | HUB SIZE NPT | CABLE RANGE OVER JACKET (IN.) | CABLE RANGE OVER ARMOR (IN.) | DIMENSIONS (IN.) |
|----------|--------------|--------------------------------|------------------------------|----------------|---|---|---|---|---|---|---|---|
| ST050-462 | 1⁄2          | 0.525                          | 0.650                        | 0.415          | 0.570 | 0.395 | 2.020 | 1.224 |
| ST075-464 | 1⁄2          | 0.600                          | 0.760                        | 0.490          | 0.680 | 0.485 | 2.020 | 1.363 |
| ST112-466 | 1⁄2          | 0.725                          | 0.885                        | 0.615          | 0.805 | 0.612 | 2.133 | 1.633 |
| ST150-468 | 3⁄4          | 0.880                          | 1.065                        | 0.770          | 0.985 | 0.819 | 2.450 | 2.080 |

* Approximate dimension before installation.

Suggested specifications for metal-clad cable fitting:

1. All metal-clad cable fittings for jacketed interlocked armor cable or continuous corrugated cable shall be approved by a nationally recognized testing laboratory, inspection agency or product evaluation organization.
2. Where corrugated-jacketed metal-clad cable exposed to intermittent or continuous moisture is terminated into a threaded opening, the fitting shall be watertight type furnished with:
   a. An elastomeric beveled bushing.
   b. A funnel entry, splined gland nut.
   c. A non-magnetic stainless steel grounding device with dual grounding action.
   d. A taper threaded hub.
   e. A hexagonal body and gland nut as manufactured by Thomas & Betts (aluminum series ST050-464).
3. Where cable is terminated into a threadless opening, a suitable moisture-resistant elastomeric gasket as manufactured by Thomas & Betts, series 5262, shall be provided between the outside of enclosure and fitting shoulder.
4. Where explosion-proof or dust-proof boxes are required by code, use STAR TECK XP® fittings (STX050-462 Series).

Overlapping sizes minimize possibility of mismatched cables and fittings in the field.

Available in hub sizes from 1⁄2" to 4", handling outer jacket diameters from 0.525" to 4.34".

Suitable for hazardous locations (Class 1 Div. 2; Class II Div. 2; Class III).

Where explosion-proof or dust-proof boxes are required by code, use STAR TECK XP® fittings (STX050-462 Series).
Easy installation saves time, money!

**STAR TECK XP® Jacketed Metal-Clad Cable Fittings for Hazardous Locations**

**Application**
- Provide means for passing armored, metal clad, jacketed cables through a bulkhead or enclosure in hazardous areas (these fittings are suitable for hazardous areas when used with T&B sealing compound)
- Form a mechanical grip and water and/or oil-resistant termination
- Provide grounding continuity of cable armor

**Cable Type**
- JMC, MC-HL, Teck

**Features**
- Sealing chamber is easier to fill, requires less sealing compound — saves time, material. Flame path is optimally designed to enable easy insertion into hub. Quick-turn lock
- Internal splines
- Union features twist-on action; red color for high visibility
- Exclusive Power Grip. Provides grip that’s high up on cable armor Non-magnetic stainless steel Power Grip grounding ring
- Low profile gland nut

**Materials**
- Aluminum is standard material
- Add suffix “S” for steel with zinc plating
- Add suffix “PVC” for corrosion resistant PVC coating
- Add suffix “SS” for stainless steel material

**Environment Classification**
- Suitable for hazardous locations. Class I Div. 2; Class II Div. 2; Class III. Where explosion proof or dust proof fittings are required by code use STAR TECK XP® fittings (STX Series)
- NEMA 4
- Suitable for use in wet locations and concrete tight (steel) applications per UL 514B
- UL File No. E82038/E38947
- CSA File No. LR23086

**Range**
- Available in hub sizes from ½” to 4”, and will handle outer jacket diameters from 0.525” to 4.185”

**Application**
- Provide means for passing armored, metal clad, jacketed cables through a bulkhead or enclosure in hazardous areas (these fittings are suitable for hazardous areas when used with T&B sealing compound)
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---

**Application**
- Provide means for passing armored, metal clad, jacketed cables through a bulkhead or enclosure in hazardous areas (these fittings are suitable for hazardous areas when used with T&B sealing compound)
- Form a mechanical grip and water and/or oil-resistant termination
- Provide grounding continuity of cable armor

**Cable Type**
- JMC, MC-HL, Teck

**Features**
- Sealing chamber is easier to fill, requires less sealing compound — saves time, material. Flame path is optimally designed to enable easy insertion into hub. Quick-turn lock
- Internal splines
- Union features twist-on action; red color for high visibility
- Exclusive Power Grip. Provides grip that’s high up on cable armor Non-magnetic stainless steel Power Grip grounding ring
- Low profile gland nut

**Materials**
- Aluminum is standard material
- Add suffix “S” for steel with zinc plating
- Add suffix “PVC” for corrosion resistant PVC coating
- Add suffix “SS” for stainless steel material

**Environment Classification**
- Suitable for hazardous locations. Class I Div. 2; Class II Div. 2; Class III. Where explosion proof or dust proof fittings are required by code use STAR TECK XP® fittings (STX Series)
- NEMA 4
- Suitable for use in wet locations and concrete tight (steel) applications per UL 514B
- UL File No. E82038/E38947
- CSA File No. LR23086

**Range**
- Available in hub sizes from ½” to 4”, and will handle outer jacket diameters from 0.525” to 4.185”
### STAR TECK XP® Jacketed Metal Clad Cable Fittings for Hazardous Locations

#### Sealing Compounds

<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>DESCRIPTION</th>
<th>VOLUME</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC65</td>
<td>Putty Type Sealing Compound</td>
<td>60 grams</td>
</tr>
<tr>
<td>SC4-KIT</td>
<td>Liquid Type Sealing Compound for use in high wire density applications (5 or more wires)</td>
<td>2.8 fl. oz, (66 cc)</td>
</tr>
</tbody>
</table>

#### Hub Range over Armor Range Dimensions (in.) for SC65** and SC4-KIT**

<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>SIZE</th>
<th>HUB RANGE OVER ARMOR RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC65</td>
<td>1/2</td>
<td>0.525 0.650 0.415 0.570</td>
</tr>
<tr>
<td>SC4-KIT</td>
<td>1/2</td>
<td>0.600 0.760 0.490 0.680</td>
</tr>
<tr>
<td></td>
<td>3/4</td>
<td>0.725 0.885 0.615 0.805</td>
</tr>
</tbody>
</table>

**Approximate dimension before installation.

** 1 unit of SC65 putty type sealing compound contains 60 g. 1 unit of SC4-Kit liquid type sealing compound contains 66 cc and includes a dispensing syringe and fiber damming material.

CAUTION: STAR TECK XP® fittings must be installed with Thomas & Betts catalog numbers SC4-Kit or SC65 sealing compound (purchase separately). See installing instructions.

### Sealing Compounds

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<td>2.8 fl. oz, (66 cc)</td>
</tr>
</tbody>
</table>

A-95
### Spin-On® Series II Connectors and Accessories

<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>HUB SIZE NPT</th>
<th>CABLE RANGE OVER ARMOR (IN.)</th>
<th>DIMENSIONS (IN.)</th>
<th>OPTIONAL CORROSION RESISTANT BOOT CAT. NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-050-008</td>
<td>¼</td>
<td>0.380–0.435</td>
<td>1/8</td>
<td>1/8</td>
</tr>
<tr>
<td>2-050-010</td>
<td>¼</td>
<td>0.436–0.500</td>
<td>1/8</td>
<td>1/8</td>
</tr>
<tr>
<td>2-050-020</td>
<td>¼</td>
<td>0.501–0.580</td>
<td>1/8</td>
<td>1/8</td>
</tr>
<tr>
<td>2-050-030</td>
<td>¼</td>
<td>0.581–0.650</td>
<td>1/8</td>
<td>1/8</td>
</tr>
<tr>
<td>2-075-040</td>
<td>¾</td>
<td>0.651–0.730</td>
<td>1/8</td>
<td>2/8</td>
</tr>
<tr>
<td>2-075-050</td>
<td>¾</td>
<td>0.731–0.820</td>
<td>1/8</td>
<td>2/8</td>
</tr>
<tr>
<td>2-075-060</td>
<td>¾</td>
<td>0.821–0.900</td>
<td>2/8</td>
<td>2/8</td>
</tr>
<tr>
<td>2-100-080</td>
<td>1</td>
<td>0.961–1.030</td>
<td>2/8</td>
<td>2/8</td>
</tr>
<tr>
<td>2-100-090</td>
<td>1</td>
<td>1.031–1.100</td>
<td>2/8</td>
<td>2/8</td>
</tr>
<tr>
<td>2-125-110</td>
<td>1¼</td>
<td>1.181–1.240</td>
<td>2/8</td>
<td>2/8</td>
</tr>
<tr>
<td>2-125-120</td>
<td>1¼</td>
<td>1.241–1.310</td>
<td>2/8</td>
<td>2/8</td>
</tr>
<tr>
<td>2-125-130</td>
<td>1¼</td>
<td>1.311–1.390</td>
<td>2/8</td>
<td>2/8</td>
</tr>
<tr>
<td>2-150-140</td>
<td>1½</td>
<td>1.391–1.480</td>
<td>2/8</td>
<td>2/8</td>
</tr>
<tr>
<td>2-150-150</td>
<td>1½</td>
<td>1.481–1.570</td>
<td>2/8</td>
<td>2/8</td>
</tr>
<tr>
<td>2-150-160</td>
<td>1½</td>
<td>1.571–1.660</td>
<td>2/8</td>
<td>2/8</td>
</tr>
<tr>
<td>2-200-170</td>
<td>2</td>
<td>1.661–1.750</td>
<td>3/8</td>
<td>2/8</td>
</tr>
<tr>
<td>2-200-180</td>
<td>2</td>
<td>1.751–1.840</td>
<td>3/8</td>
<td>2/8</td>
</tr>
<tr>
<td>2-200-190</td>
<td>2</td>
<td>1.841–1.930</td>
<td>3/8</td>
<td>2/8</td>
</tr>
<tr>
<td>2-250-210</td>
<td>2½</td>
<td>2.031–2.150</td>
<td>3/8</td>
<td>3/8</td>
</tr>
<tr>
<td>2-250-220</td>
<td>2½</td>
<td>2.151–2.270</td>
<td>3/8</td>
<td>3/8</td>
</tr>
<tr>
<td>2-250-230</td>
<td>2½</td>
<td>2.271–2.390</td>
<td>3/8</td>
<td>3/8</td>
</tr>
<tr>
<td>2-300-250</td>
<td>3</td>
<td>2.511–2.640</td>
<td>4/8</td>
<td>3/8</td>
</tr>
<tr>
<td>2-300-260</td>
<td>3</td>
<td>2.641–2.770</td>
<td>4/8</td>
<td>3/8</td>
</tr>
<tr>
<td>2-300-270</td>
<td>3</td>
<td>2.771–2.900</td>
<td>4/8</td>
<td>3/8</td>
</tr>
<tr>
<td>2-400-330</td>
<td>4</td>
<td>3.591–3.730</td>
<td>5/8</td>
<td>3/8</td>
</tr>
</tbody>
</table>

UL File No. E39647
CSA File No. LR 2884

In corrosive environments, the T&B neoprene boot provides maximum corrosion protection to the connector. Simply match the connector hub size to the boot hub size to select the proper boot (NB Series).
Install a complete gas-blocked connector in a hazardous location!

Spin-On® X Connectors for Hazardous Locations

<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>HUB SIZE NPT</th>
<th>CABLE RANGE OVER ARMOR (IN.)</th>
<th>SEALING COMPOUND REQUIRED</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-075-008</td>
<td>⅜</td>
<td>.380–.435</td>
<td>SC65** PUTTY (G) SC4-KIT** LIQUID (CC)</td>
</tr>
<tr>
<td>4-075-010</td>
<td>½</td>
<td>.436–.500</td>
<td>25 12</td>
</tr>
<tr>
<td>4-075-020</td>
<td>⅜</td>
<td>.501–.580</td>
<td>25 12</td>
</tr>
<tr>
<td>4-075-030</td>
<td>⅜</td>
<td>.581–.650</td>
<td>25 12</td>
</tr>
<tr>
<td>4-075-040</td>
<td>⅜</td>
<td>.651–.730</td>
<td>25 12</td>
</tr>
<tr>
<td>4-100-050</td>
<td>1</td>
<td>.731–.820</td>
<td>55 30</td>
</tr>
<tr>
<td>4-100-060</td>
<td>1</td>
<td>.821–.930</td>
<td>55 30</td>
</tr>
<tr>
<td>4-100-070</td>
<td>1</td>
<td>.931–1.030</td>
<td>55 30</td>
</tr>
<tr>
<td>4-125-090</td>
<td>1 ¼</td>
<td>1.031–1.100</td>
<td>70 40</td>
</tr>
<tr>
<td>4-125-100</td>
<td>1 ¼</td>
<td>1.101–1.180</td>
<td>70 40</td>
</tr>
<tr>
<td>4-125-110</td>
<td>1 ¼</td>
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<td>1 ¼</td>
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<td>1 ½</td>
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<td>80 45</td>
</tr>
<tr>
<td>4-150-140</td>
<td>1 ½</td>
<td>1.391–1.470</td>
<td>80 45</td>
</tr>
<tr>
<td>4-150-150</td>
<td>1 ½</td>
<td>1.471–1.550</td>
<td>80 45</td>
</tr>
<tr>
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<td>2</td>
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<td>200 120</td>
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<td>3</td>
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<td>275 165</td>
</tr>
<tr>
<td>4-300-260</td>
<td>3</td>
<td>2.611–2.770</td>
<td>275 165</td>
</tr>
<tr>
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<td>3</td>
<td>2.771–2.900</td>
<td>275 165</td>
</tr>
<tr>
<td>4-400-350</td>
<td>4</td>
<td>3.871–4.010</td>
<td>500 300</td>
</tr>
</tbody>
</table>

Suffix Cat. No. with S for steel, B for brass.

SPIN-ON® X is UL Listed for: Class I, Div. 2, Groups A, B, C, & D in ⅜", ½", ⅞", ¾", 1", 1½", 2", 2½" Hub sizes. Class I, Div. 2, Groups C & D in 2", 2½", and 3" Hub sizes. The entire line is UL listed for Class II, Div. 2, Groups F & G and Class III. CSA certified through 3" Hub size for Class I, Groups A, B, C, D; Class II, Groups E, F, G; and Class III.

UL File No. E82038
CSA File No. LR23086

Liquid Type Sealing Compounds

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