

## Overview

### Steel City® Fittings

Steel City® Conduit Fittings provide long-lasting service in commercial, industrial and residential construction. Our fittings are manufactured within strict tolerances to maintain consistent performance. Installers can be assured that every fitting with the Steel City® name will work every time. So when you select Steel City® Conduit Fittings, that means fewer headaches and call-backs.

Steel City® products symbolize the highest quality standards in manufacturing and innovative design, with one of the most complete offerings available. Contact a T&B distributor nearest you to select the right Steel City® product for your requirements.



### Advantages of Steel City® Commercial Conduit Fittings

#### Compression Fittings

##### Dependable Pipe Stop

- Strong, thick protrusion that does not exceed thickness of EMT. Keeps forcefully inserted conduit from breaking through the opposite side of the coupling, while not interfering with the pulling of conductors



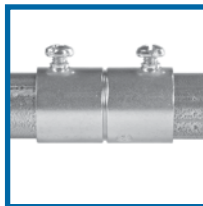
##### Heavy-Duty Thick Steel Body/Glands with Continuous Threading

- True hexagonal shape. The non-circular design has actual flats for gripping power using hand or tool force



##### Extra-Thick Electro-Plated Zinc Finish

- Ensures corrosion resistance while the clear chromate coating gives the fittings their quality shine and luster



#### Couplings and Connectors

##### Superior Quality and Design

- Strict tolerances throughout fitting ensures a straight conduit run with no sagging over extreme lengths
- Chamfered entry provides lead-in for conduit insertion



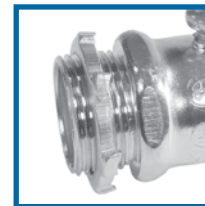
##### Dependable Pipe Stop

- 360° groove traveling the circumference ensures that conduit forcefully inserted won't break through to the opposite side of the fitting. Also, it does not exceed thickness of EMT and prevents interference with pulling conductors



##### Extra-Large Head Tri-Drive Set Screw

- Accommodates Phillips, slotted and square drives



##### Enhanced Locknut Construction

- Heavy-duty turned sharp teeth, double-threaded

## Overview

### Here's How the Steel City® Catalog Number System Works

#### Easy-to-identify alphabetical prefixes:

**BG** – Bushings, Grounding  
**BI** – Bushings, Insulated  
**BL** – Blanks  
**BR** – Rigid Spacer  
**BS** – Box Spacer  
**BT** – Thinwall Spacer  
**BU** – Bushings  
**CB** – Clamp Back  
**CP** – Cable Protector  
**EK** – 3-Piece Coupling  
**FA** – Fire Alarm  
**GA** – Ground Clamp (Armored Ground Wire)  
**GC** – Ground Clamp  
**H** – Hub  
**HA** – Heavywall Adapter  
**HC** – Heavywall Connector  
**HK** – Heavywall Coupling  
**HL** – Heavywall Elbow  
**HO** – Heavywall Offset  
**HS** – Heavywall Strap  
**LG** – Locknut, Grounding  
**LN** – Locknut  
**LT** – Liquidtight  
**NC** – Non-Metallic Sheathed Cable Connector  
**NS** – Non-Metallic Sheathed Cable Strap  
**RB** – Reducing Bushings  
**RT** – Raintight

**SH** – Service Entrance Fitting  
**SL** – Service Ells  
**SR** – Sealing Rings  
**SS** – Stainless Steel  
**LS** – Locknut, Sealing  
**TC** – Thinwall Connectors  
**TK** – Thinwall Couplings  
**TL** – Thinwall Elbow  
**TO** – Thinwall Offset  
**TS** – Thinwall Strap  
**TX** – Thinwall to Flexible Metallic Conduit Fitting  
**UC** – Utility Connector  
**USA** – Made in USA  
**WA** – Washer  
**XC** – Armored Cable or Flexible Metallic Conduit Connector  
**XK** – Armored Cable or Flexible Metallic Conduit Coupling

#### 1st Digit — Material

**1** = Steel  
**2** = Die Cast  
**3** = Combination Steel and Die Cast  
**4** = Malleable  
**5** = Plastic  
**6** = Aluminum  
**7** = Steel Insulated  
**8** = Die Cast Insulated  
**9** = Malleable Insulated

#### 2nd Digit — Method

**1** = Compression  
**2** = Set Screw  
**3** = Other

#### 3rd/4th Digit — Size

**0** = 3/8"  
**1** = 1/2"  
**2** = 3/4"  
**3** = 1"  
**4** = 1 1/4"  
**5** = 1 1/2"  
**6** = 2"  
**7** = 2 1/2"  
**8** = 3"  
**9** = 3 1/2"  
**10** = 4"  
**11** = 5"  
**12** = 6"

#### A few examples of the three-digit identification system for thinwall fittings are:

**TK-111A:** 1/2" steel, compression-type coupling

**TC-714A:** 1 1/4" steel insulated compression-type connector

**TC-822SC:** 3/4" die-cast, insulated, set-screw type connector



## *Electrical Metallic Tubing (EMT) Fittings*

**Ideal for use in Recovery Act projects requiring  
MADE IN USA components!**

### **Made In USA Steel EMT Fittings**

#### **High-Quality Steel Construction — Made in the USA!**

- Available in sizes for ½" to 4" electrical metallic tubing (EMT)
- Steel construction for strength and durability
- Electroplated zinc finish for corrosion protection
- Use couplings to join two lengths of EMT
- Use connectors (insulated or non-insulated) to join EMT to a box or enclosure
- Set-screw couplings and connectors are for use in dry locations and are concrete-tight when taped
- Compression couplings and connectors are concrete-tight
- MADE IN USA for use on American Recovery and Reinvestment Act (ARRA) projects



## Rigid Conduit/IMC Fittings

### Threadless Compression Connectors

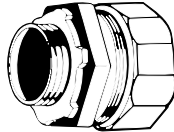
- Malleable iron/zinc plated



| CAT. NO.                                           | CONDUIT SIZE (IN.) | STD. CTN. |
|----------------------------------------------------|--------------------|-----------|
| <b>Die-Cast Zinc Flexible Metal Conduit to EMT</b> |                    |           |
| HC 401                                             | ½                  | 300       |
| HC-402                                             | ¾                  | 150       |
| HC-403                                             | 1                  | 90        |
| HC-404                                             | 1¼                 | 60        |
| HC-405                                             | 1½                 | 30        |
| HC-406                                             | 2                  | 12        |
| HC-407                                             | 2½                 | 12        |
| HC-408                                             | 3                  | 6         |
| HC-409                                             | 3½                 | 6         |
| HC-410                                             | 4                  | 6         |

Suggested use — rigid conduit only.

UL File No. E-23018 ½"-1¼".



### Threadless Compression Couplings

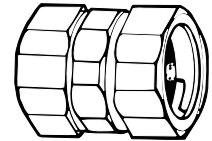
- Malleable iron/zinc plated



| CAT. NO. | CONDUIT SIZE (IN.) | STD. CTN. |
|----------|--------------------|-----------|
| HK 401   | ½                  | 300       |
| HK 402   | ¾                  | 150       |
| HK 403   | 1                  | 90        |
| HK 404   | 1¼                 | 60        |
| HK 405   | 1½                 | 30        |
| HK 406   | 2                  | 6         |
| HK 407   | 2½                 | 6         |
| HK 408   | 3                  | 4         |
| HK 409   | 3½                 | 4         |
| HK 410   | 4                  | 4         |

Suggested use — rigid conduit only.

UL File No. E-23018 ½"-1¼".



### Set-Screw Connectors

- Steel
- Zinc plated



|                                                    |                       | DIMENSIONS (IN.) |    | STD.<br>CTN. |
|----------------------------------------------------|-----------------------|------------------|----|--------------|
| CAT. NO.                                           | CONDUIT<br>SIZE (IN.) | A                | B  |              |
| <i>Die-Cast Zinc Flexible Metal Conduit to EMT</i> |                       |                  |    |              |
| HC 101                                             | ½                     | 1⅞               | 1⅞ | 100          |
| HC-102                                             | ¾                     | 1⅞               | 1½ | 50           |
| HC-103                                             | 1                     | ⅝                | 1⅞ | 50           |
| HC-104                                             | 1¼                    | 2                | 2  | 25           |
| HC-105                                             | 1½                    | 2⅞               | 2⅞ | 25           |
| HC-106                                             | 2                     | 2¾               | 2⅞ | 20           |
| HC-107                                             | 2½                    | 3⅞               | 3⅞ | 10           |
| HC-108                                             | 3                     | 4⅞               | 3⅞ | 5            |
| HC-109                                             | 3½                    | 4⅞               | 3⅞ | 5            |
| HC-110                                             | 4                     | 5⅞               | 4⅞ | 5            |

One set screw or two. Two set screws starting at 2" trade size.

Suggested use — rigid conduit only.

UL File No. E-23018 ½"-1¼".

### Insulated

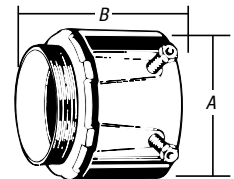


| CAT. NO. | CONDUIT<br>SIZE (IN.) | DIMENSIONS<br>(IN.)                         |                  | STD.<br>CTN. |
|----------|-----------------------|---------------------------------------------|------------------|--------------|
|          |                       | A                                           | B                |              |
|          |                       | Die-Cast Zinc Flexible Metal Conduit to EMT |                  |              |
| HC 701   | ½                     | 1⅞                                          | 1⅞               | 100          |
| HC-702   | ¾                     | 1⅞                                          | 1½               | 50           |
| HC-703   | 1                     | 5⁄8                                         | 1⅜ <sub>16</sub> | 25           |
| HC-704   | 1¼                    | 2                                           | 2                | 25           |
| HC-705   | 1½                    | 2½                                          | 2⅞               | 25           |
| HC-706   | 2                     | 2¾                                          | 2⅞               | 20           |
| HC-707   | 2½                    | 3⅜ <sub>32</sub>                            | 3⅞ <sub>16</sub> | 10           |
| HC-708   | 3                     | 4⅜ <sub>32</sub>                            | 3⅞ <sub>16</sub> | 5            |
| HC-709   | 3½                    | 4¼                                          | 4⅞               | 5            |
| HC-710   | 4                     | 4¼                                          | 4⅞ <sub>16</sub> | 5            |

One set screw or two. Two set screws starting at 2" trade size.

Suggested use — rigid conduit only.

UL File No. E-23018 ½"-1¼".



### Set-Screw Couplings

- Steel (concrete tight) when taped
- Zinc plated



| CAT. NO. | CONDUIT SIZE (IN.) | DIMENSIONS (IN.) |    | STD. CTN. |
|----------|--------------------|------------------|----|-----------|
|          |                    | A                | B  |           |
| HK-101   | ½                  | 1⅞               | 2⅜ | 100       |
| HK-102   | ¾                  | 1⅞               | 2⅜ | 50        |
| HK-103   | 1                  | 1⅞               | 2⅜ | 25        |
| HK-104   | 1¼                 | 2                | 2⅞ | 25        |
| HK-105   | 1½                 | 2¼               | 3⅜ | 25        |

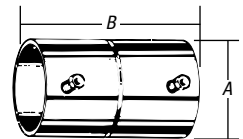
Two set screws starting at 2".

UL File No. E-23018.

| CAT. NO. | CONDUIT SIZE (IN.) | DIMENSIONS (IN.) |    | STD. CTN. |
|----------|--------------------|------------------|----|-----------|
|          |                    | A                | B  |           |
| HK-106   | 2                  | 2¾               | 3⅜ | 20        |
| HK-107   | 2½                 | 3⅞               | 3⅜ | 10        |
| HK-108   | 3                  | 4⅞               | 4⅞ | 5         |
| HK-109   | 3½                 | 4⅞               | 4⅞ | 5         |
| HK-110   | 4                  | 5⅞               | 5⅞ | 5         |

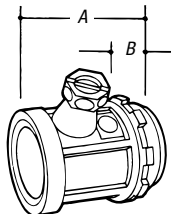
Two set screws starting at 2".

UL File No. E-23018.



### Rigid Connectors — Set-Screw Type — Die-Cast Zinc

| CAT. NO. | TRADE SIZE (IN.) | DIMENSIONS (IN.) |     | STD. CTN. |
|----------|------------------|------------------|-----|-----------|
|          |                  | A                | B   |           |
| HC-203   | 1                | 1.54             | .49 | 100       |
| HC-802   | ¾                | 1.44             | .45 | 250       |
| HC-803   | 1                | 1.54             | .49 | 100       |



### Rigid Connectors — Set-Screw Type — Die-Cast Zinc

| CAT. NO. | TRADE SIZE (IN.) | DIMENSIONS (IN.) |      | STD. CTN. |
|----------|------------------|------------------|------|-----------|
|          |                  | A                | B    |           |
| HK 201   | ½                | 1.77             | 1.09 | 250       |
| HK-203   | 1                | 2.29             | 1.61 | 100       |

