



POCKET PRO



IPEX

by **alixis**

ELECTRICAL SYSTEMS

Scepter® PVC Conduit and Fittings

Scepter® JBox™ The Next Generation Junction Box

EPR Conduit Repair Kit

Sceptalight™ Nonmetallic Light Fixtures

Kwikon® Electrical Nonmetallic Tubing & Fittings

INEXO™ The ICF Box

Kwikflex® Liquidtight Flexible Nonmetallic Conduit & Fittings

Super Duct® Power and Communication Duct

SceptaCon™ Trenchless Raceway Systems

| Type Designation | UL Underwriters Laboratories Inc (UL 50 and UL 508) |
|------------------|--|
| 1 | Indoor use primarily to provide protection against contact with the enclosed equipment and against a limited amount of falling dirt. |
| 2 | Indoor use to provide a degree of protection against limited amounts of falling water and dirt. |
| 3 | Outdoor use to provide a degree of protection against windblown rain; undamaged by the formation of ice on the enclosure. |
| 4 | Either indoor or outdoor use to provide a degree of protection against falling rain, splashing water, and hose-directed water; undamaged by the formation of ice on the enclosure. |
| 4X | Either indoor or outdoor use to provide a degree of protection against falling rain, splashing water, and hose-directed water; undamaged by the formation of ice on the enclosure; resists corrosion. |
| 6P | Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during prolonged submersion at a limited depth, and be undamaged by the formation of ice on the enclosure. |
| 12 | Indoor use to provide a degree of protection against dust, dirt, fiber flyings, dripping water, and external condensation of noncorrosive liquids. |
| 13 | Indoor use to provide a degree of protection and spraying of water, oil, and noncorrosive liquids. |

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Pocket Pro provides the most comprehensive information about PVC systems – from basic raw material to installation characteristics of the finished product. Written with the engineer, contractor and distributor in mind, it is based on laboratory test results and IPEX's many years of field experience.

At IPEX, we have been extruding PVC conduit and molding fittings since 1951. We formulate our own compounds, maintain strict quality control during production, and offer one of the most comprehensive lines of nonmetallic electrical products throughout North America.

More important, our commitment to customers extends beyond the sale. Quality control and thorough jobsite field reports have earned IPEX a reputation for product quality and service excellence.

Engineers, electricians, contractors, specifiers and utilities have realized for many years the advantages of PVC. Today, IPEX electrical systems include Scepter® PVC conduit and fittings, INEXO® ICF boxes, Kwikon® ENT fittings, SceptaCon™ trenchless raceway systems, Sceptalight™ nonmetallic light fixtures, Scepter® JBox™ and Super Duct® power and communication ducts. These brands are the number-one choice for power, communication and data needs. Whether exposed, concealed in walls, encased in concrete, or directly buried, IPEX electrical products are preferred *For The Long Run*.

Only when you specify IPEX branded products by name are you guaranteed our commitment to excellence.

Applications

Typical industrial/commercial and residential applications for IPEX electrical systems include:

- Mines
- Steel mills
- Food processing plants
- Subways
- Bridges and tunnels
- Agricultural, dairy, hog, cattle, chicken, etc.
- Marinas
- Sewage treatment plants
- Pulp & paper industries
- Street and highway lighting
- Car washes
- Parking garages
- Residential applications
- Fish plants
- Water treatment plants
- Airports
- Utilities
- Cable
- Communications



Labor Savings

Compared to metal, PVC products reduce labor on a typical installation by up to two-thirds. The reason?

PVC is easy to work with. It can also be cut and joined without vises, cutters, threading equipment and reamers associated with metal conduit.

Lightweight Conduit

Scepter rigid PVC conduit is one-half the weight of aluminum and one-sixth the weight of steel. As a result, handling and installation are easier and faster, reducing labor costs.

Easy Joining

Solvent cementing is all that is required, eliminating the need for power-threading machines, pipe vises and cutting equipment. A hacksaw or carpenter's saw is the only equipment required.

Strength

Scepter rigid PVC conduit offers both high impact and high tensile strength, even in cold temperatures. They exceed all UL and NEMA standards.

| Rigid Conduit Sch. 40 Size (in.) | UL Impact @ 73°F (ft.lbs.) |
|-------------------------------------|-------------------------------|
| 1/2 | 50 |
| 3/4 | 80 |
| 1 | 100 |
| 1-1/4 | 120 |
| 1-1/2 | 150 |
| 2 | 190 |
| 2-1/2 | 210 |
| 3 – 6 | 220 |

Easy Wire Pulls

PVC's exceptionally smooth interior surface greatly reduces the amount of friction while pulling conductors/wires through long runs, even with 90° bends. A large pull-rope and wire-pulling compound should be used when pulling all conductors and wires.

Noncorroding

PVC is immune to damage from naturally corrosive soil conditions, as well as electro-chemical and galvanic corrosion. This ensures lower maintenance costs and longer performance *For The Long Run*.



Nonconducting

IPEX electrical systems are nonsparking and non-conducting, thereby eliminating the most dangerous 'second point of contact' and 'phase to ground' faults. The use of a separate grounding conductor provides complete and positive grounding for the whole system.



Long Life

Scepter rigid PVC conduit and fittings retain their original properties after years of exposure to direct sunlight, heat and weather. In addition, resistance to fungi, bacterial action, rodents, termites and corrosive agents ensures a long, trouble-free life for PVC conduit installed indoors or outdoors.



Chemical Resistance

One of the greatest benefits of PVC is its excellent chemical resistance. It resists attack by acids, alkalis, salt solutions and many other types of chemicals.



For more information on PVC and chemical resistance, refer to the IPEX Chemical Resistance Guide.

Concrete Tight

Scepter rigid PVC conduit systems are designed and engineered to be concrete tight in all weather conditions.

Fire Resistant

As a building material PVC offers outstanding fire performance characteristics. PVC will not burn unless an external flame source is applied, and will not sustain ignition once the flame source is removed. PVC has a flash ignition temperature of 850°F.



Suitable for Direct Burial

PVC is suitable for direct burial and requires no extra protection when installed in accordance with local inspection authority guidelines. The usual care regarding trenches and backfilling should be respected.

One-Source Specification

IPEX electrical systems offer a full range of PVC fittings and accessories. As a result, one-material specifying is possible.

Quality Control

In addition to our rigorous quality control testing, IPEX product carries third-party certification by UL and CSA.

Make the RIGHT Choice!

Depend on IPEX for quality products & superior service



Scepter® Rigid Pipe and Fittings

Features and Benefits:

- Smooth interior surface reduces friction during wire pull
- Extensive product offering including boxes, fittings, couplings and elbows
- High impact & tensile strength
- Concrete-tight in all weather conditions



This section provides comprehensive information and guidelines for the design and installation of PVC Schedule 40 & 80 conduit and fittings. Always consult the authority having jurisdiction for specific installation procedures.



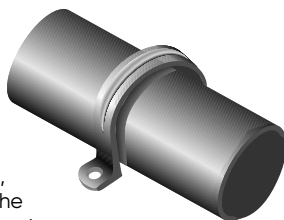
UL Listed-UL651
Sunlight Resistant
Rated for use with 90°C
conductors



NEMA TC-2
Corps. of Engineers Spec.
CE 303:01
Military Spec, Federal Spec.
WC 09A

Support

Due to PVC's light weight, support spacing is different than that used with metal conduits. Supporting straps should NOT be firmly tightened, to allow for linear movement. The maximum allowable support spacing, as per National Electrical Code Article 352.30 (NEC), is as follows:



Support Spacing For Schedule 40 & 80 Conduit

| Nominal Conduit Diameter inches | Maximum Support Spacing feet |
|------------------------------------|---------------------------------|
| 1/2 | 3 |
| 3/4 | 3 |
| 1 | 3 |
| 1-1/4 | 5 |
| 1-1/2 | 5 |
| 2 | 5 |
| 2-1/2 | 6 |
| 3 | 6 |
| 3-1/2 | 7 |
| 4 | 7 |
| 5 | 7 |
| 6 | 8 |

Maximum Operating Temperature

The National Electrical Code (NEC) permits the use of rigid PVC pipe and fittings in areas where ambient temperatures do not exceed 122°F.

Cutting

Scepter rigid PVC conduit can be easily cut on the jobsite by using a hacksaw, carpenter's saw or PVC conduit cutters. For larger sizes of conduit, the use of a miter box is also recommended to ensure a square cut.



Solvent Cementing

After cutting Scepter rigid PVC conduit, sharp edges or burrs from inside the conduit should be removed with a knife. Thoroughly clean the end of the pipe and inside the fitting with a pipe cleaner. Apply a generous amount of solvent cement to both surfaces; slide together and give a quarter turn to ensure the solvent is spread evenly on the material. Hold together for a few seconds until the joint is made.

Usually the solvent-cemented joint will be strong enough to install immediately. However, in climates with low temperatures or areas with high humidity, extra time may be required before moving the pipe for permanent installation. Solvent cemented joints appear to "set up" instantly, but will take 24 hours to cure properly. After this time, the solvent-cemented joint has completely cured and is waterproof. For extreme cold weather installations, a PVC primer is recommended. IPEX cements and primers are available in quarter-pint, half-pint, pint, quart and gallon containers.

Bending

PVC is a thermoplastic material that, when heated, becomes soft and pliable. As a result, its shape can be altered.

A flameless heat source is recommended to heat the pipe. AN OPEN FLAME SHOULD NOT BE USED. Either an electric unit or an infra-red propane unit is recommended.

The necessary temperature for bending pipe is 260°F. The pipe must be heated evenly over an area approximately ten times the diameter of the pipe before any attempt at bending is made. Bending the pipe when it has not been thoroughly heated will cause the pipe to "kink." With proper care and a little practice, the bend will form easily.

Cooling the pipe with cold air or water will cause "spring back." Allow a few extra degrees of overbending to compensate. Maximum bending radius shall be six times the internal diameter according to NEC.



Using Expansion Joints

It's just as important to know when to use an expansion joint as it is to know how to install it correctly. Expansion joints are required when the temperature change is greater than 25°F. Scepter rigid PVC conduit has a coefficient of linear expansion of 3.6×10^{-4} in./ft./°F. Generally, a 100 ft. run of PVC conduit will undergo a change in length of 3.6 inches for every 100°F temperature change.



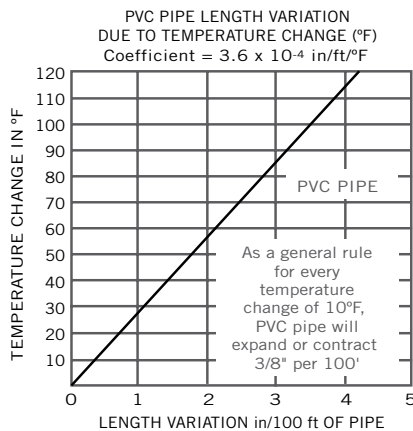
For conduit installed indoors, the range of expansion and contraction can be calculated using the maximum air temperature plus the heat contributed by the conductors inside the conduit and minimum air temperature expected. Expansion joints are not required indoors unless there are widely varying temperatures such as the attic of a building.

Conduit installed outdoors, exposed to direct sunlight, will be considerably hotter than the air temperature. As a guideline in this case, add 27°F to the temperature change. Expansion joints should be installed to allow for the anticipated temperature change.

Expansion Formula

By using the following formula and the chart below, the total expected expansion in a run can be easily determined:

$$\text{Total Expansion (in.)} = \text{length of run (ft.)} \\ \times \text{temperature change (°F)} \times 0.00036$$



Number of Expansion Joints Required

Use the following equation to determine the number of expansion joints needed for a Scepter Rigid PVC Conduit installation:

$$\text{Number of joints} = \frac{\text{total expansion (in)}}{E}$$

E = Expansion joint travel length (4" or 8") depending on diameter.

Always round up to the next whole number.

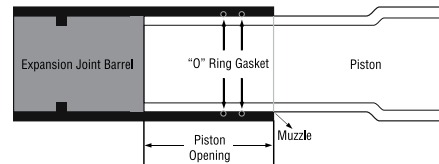
Setting the Piston Opening

The expansion joint must be installed to allow for expansion and contraction of the conduit run. On a cold day, if an expansion joint is installed completely closed with the piston bottomed, there is no room for expansion when the conduit is warmed. If it is installed open to the maximum on a hot day, the expansion joint will pull apart when cooled.

The correct piston opening for any installation condition can be easily determined using the formula below:

$$\text{Piston setting} = \text{Compressed length} + \left(\frac{\text{max. temp.} - \text{installation temp.}}{\text{max. temp.} - \text{min. temp.}} \right) \times E$$

Formula can be used for both metric and imperial measurements.



| Size (inches) | Compressed Length (inches) | Travel (inches) |
|---------------|----------------------------|-----------------|
| 1/2 | 8.00 | 4 |
| 3/4 | 8.00 | 4 |
| 1 | 8.50 | 4 |
| 1-1/4 | 9.00 | 4 |
| 1-1/2 | 9.00 | 4 |
| 2 | 9.25 | 4 |
| 2-1/2 | 9.25 | 4 |
| 3 | 14.25 | 8 |
| 3-1/2 | 14.25 | 8 |
| 4 | 14.25 | 8 |
| 5 | 14.25 | 8 |
| 6 | 14.25 | 8 |

Location of Expansion Joints

Proper functioning of an expansion joint depends on three procedures:

1. The correct placement of the expansion joint.
2. The proper installation of Scepter rigid PVC conduit and the expansion joint.
3. The proper placement and fastening of support straps.

One Expansion Joint

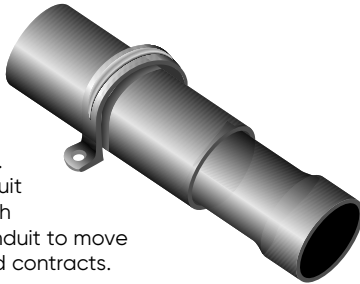
Figure 1

If only one expansion joint is needed between two boxes, the barrel of the joint should be rigidly fastened close to the first box. Scepter rigid PVC conduit is then loosely supported with straps, allowing the conduit to move freely as it expands and contracts.

Two Expansion Joints

Figure 2

If two expansion joints are needed, the joints are firmly fastened back to back at the center of the run. Scepter rigid PVC conduit is loosely supported with straps, allowing the conduit to move freely as it expands and contracts.



Two Expansion Joints (Alternative)

Figure 3

Alternatively, the center of the run and the two expansion joints (located at the boxes) should be rigidly fastened. All other support straps should be loosely fastened.

Three or More Expansion Joints

Figure 4

If more than two joints are needed in a very long run, they should be put in a series, one after the other. Each barrel must be rigidly fastened while conduit is loosely supported with straps allowing conduit to move freely as it expands and contracts. When installed in a series, each section acts independently of the other. Spacing of conduit supports must be in accordance with the NEC Article 352.30.

Figure 1

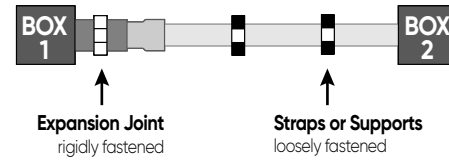


Figure 2

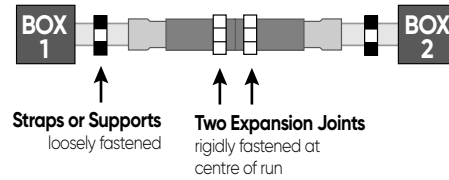


Figure 3

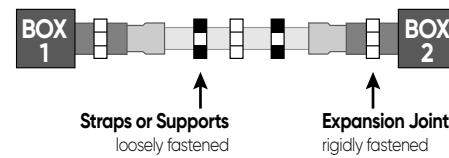
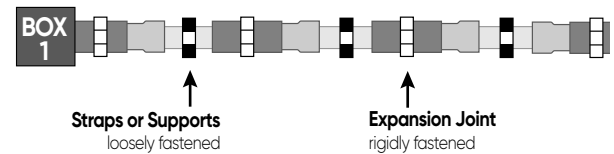


Figure 4



Legend

- : Guide or Hanger
- : Anchor

Installation of Expansion Joints

Installation recommendations:

- Expansion joints should be mounted so the piston can travel in a straight line in the barrel. If the alignment is not straight, the piston will bind, preventing the joint from working correctly.
- The expansion joint barrel should be clamped tight, but the conduit mounted loose enough in its hangers to allow for movement as it expands and contracts.
- Scepter nonmetallic straps are correctly sized and designed for proper support, and must be used to secure the conduit.
- When expansion joints are used in a vertical position, the piston should be in a downward position so dirt cannot deposit between the barrel and piston at the muzzle of the expansion joints.

WARNING:

Common Mistakes

The most common mistakes are neglecting to use expansion joints or not using enough expansion joints. It is more cost effective to use more expansion joints than needed, rather than too few. It is difficult to correct the problem after conductors are installed and in service.

Another common mistake is to tighten the support straps too firmly. This will not allow for the proper expansion and contraction of rigid PVC conduit.

Installation of the One Piece Expansion Joint (OPEJ)

1. Solvent cement the PVC conduit into the conduit hub of the OPEJ and firmly secure the PVC conduit on the solvent cement side of the OPEJ using IPEX pipe straps.
2. Set the expansion fitting by marking a line 1/2" from the end of the conduit to be inserted and insert the conduit into the OPEJ to this mark.
3. Secure and support the conduit raceway using IPEX pipe straps.



Scepter PVC Schedule 40 in 10' or 20' Lengths

Scepter PVC Schedule 40 conduit is listed with Underwriters Laboratories Inc. Article 352 of the National Electrical Code outlines the correct installation procedures.

| Nominal Size (in) | 10' Product Code | 20' Product Code | Code OD (in) | ID (in) | Min. Wall (in) | Weight lbs./100 ft | Standard 10' ft/ crate |
|-------------------|------------------|------------------|--------------|---------|----------------|--------------------|------------------------|
| 1/2 | 032405 | 032406 | 0.840 | 0.622 | 0.109 | 15 | 6,000 |
| 3/4 | 032407 | 032408 | 1.050 | 0.824 | 0.113 | 21 | 4,400 |
| 1 | 032410 | 032411 | 1.315 | 1.049 | 0.133 | 31 | 3,600 |
| 1-1/4 | 032412 | 032414 | 1.660 | 1.380 | 0.140 | 42 | 3,300 |
| 1-1/2 | 032415 | 032416 | 1.900 | 1.610 | 0.145 | 53 | 2,250 |
| 2 | 032420 | 032421 | 2.375 | 2.067 | 0.154 | 71 | 1,400 |
| 2-1/2 | 032425 | 032426 | 2.875 | 2.469 | 0.203 | 112 | 930 |
| 3 | 032430 | 032431 | 3.500 | 3.068 | 0.216 | 166 | 880 |
| 3-1/2 | 032435 | 032436 | 4.000 | 3.548 | 0.226 | 200 | 630 |
| 4 | 032440 | 032441 | 4.500 | 4.026 | 0.237 | 236 | 570 |
| 5 | 032450 | 032451 | 5.563 | 5.047 | 0.258 | 321 | 380 |
| 6 | 032460 | 032461 | 6.625 | 6.065 | 0.280 | 417 | 260 |

Weight Comparison of Scepter Rigid PVC Conduit (lbs./100 ft.)

| Nominal Size (in) | Schedule 40 PVC | Aluminum | Rigid Steel |
|-------------------|-----------------|----------|-------------|
| 1/2 | 15 | 28 | 79 |
| 3/4 | 21 | 36 | 105 |
| 1 | 31 | 53 | 153 |
| 1-1/4 | 42 | 70 | 201 |
| 1-1/2 | 53 | 86 | 249 |
| 2 | 71 | 116 | 334 |
| 2-1/2 | 112 | 183 | 527 |
| 3 | 166 | 239 | 690 |
| 3-1/2 | 200 | 288 | 831 |
| 4 | 236 | 340 | 982 |
| 5 | 321 | 465 | 1,334 |
| 6 | 417 | 613 | 1,771 |



UL Listed-UL651
Sunlight Resistant
Rated for use with 90°C
conductors



NEMA TC-2
Corps. of Engineers Spec.
CE 303:01
Military Spec, Federal Spec.
WC 1094A

Scepter Schedule 80 Heavy Wall in 10' or 20' Lengths

Scepter PVC Heavy Wall conduit is for use above and below ground where it may be subject to severe physical damage, such as pole risers, bridge crossings and other similar applications.

| Nominal Size (in) | 10' Product Code | 20' Product Code | OD (in) | ID (in) | Min. Wall (in) | Weight lbs./100 ft | Standard 10' ft./crate |
|-------------------|------------------|------------------|---------|---------|----------------|--------------------|------------------------|
| 1/2 | 032505 | 032506 | 0.840 | 0.546 | 0.147 | 21 | 6,000 |
| 3/4 | 032507 | 032508 | 1.050 | 0.724 | 0.154 | 28 | 4,400 |
| 1 | 032510 | 032511 | 1.315 | 0.957 | 0.179 | 41 | 3,600 |
| 1-1/4 | 032512 | 032514 | 1.660 | 1.278 | 0.191 | 57 | 3,300 |
| 1-1/2 | 032515 | 032516 | 1.900 | 1.500 | 0.200 | 70 | 2,250 |
| 2 | 032520 | 032521 | 2.375 | 1.939 | 0.218 | 96 | 1,400 |
| 2-1/2 | 032525 | 032526 | 2.875 | 2.323 | 0.276 | 146 | 930 |
| 3 | 032530 | 032531 | 3.500 | 2.900 | 0.300 | 195 | 880 |
| 4 | 032540 | 032541 | 4.500 | 3.826 | 0.337 | 286 | 570 |
| 5 | 032550 | 032551 | 5.563 | 4.813 | 0.375 | 397 | 380 |
| 6 | 032560 | 032561 | 6.625 | 5.761 | 0.432 | 546 | 260 |

Weight Comparison of Scepter Rigid PVC Conduit (lbs./100 ft.)

| Nominal Size (in) | Schedule 80 PVC | Aluminum | Rigid Steel |
|-------------------|-----------------|----------|-------------|
| 1/2 | 21 | 28 | 79 |
| 3/4 | 28 | 36 | 105 |
| 1 | 41 | 53 | 153 |
| 1 1/4 | 57 | 70 | 201 |
| 1 1/2 | 70 | 86 | 249 |
| 2 | 96 | 116 | 334 |
| 2 1/2 | 146 | 183 | 527 |
| 3 | 195 | 239 | 690 |
| 4 | 286 | 340 | 982 |
| 5 | 397 | 466 | 1,334 |
| 6 | 546 | 613 | 1,771 |



UL Listed-UL651
Sunlight Resistant
Rated for use with 90°C
conductors



NEMA TC-2
Corps. of Engineers Spec.
CE 303:01
Military Spec, Federal Spec.
WC 1094A

Physical Properties of PVC Type II

| Properties | Unit (if applicable) | Value | ASTM Test Method |
|--|--------------------------------|--------------------|------------------|
| ELECTRICAL | | | |
| Dielectric Strength | kV/mm | 21.4 | D149 |
| Permittivity (Dielectric Constant) | @ 60 Hz & 30°C | 3.65 | D150 |
| | @ 1000 Hz & 30°C | 3.22 | D150 |
| Dissipation Factor (Power Factor) | @ 60 Hz | 0.01 | D150 |
| | @ 106 Hz | 0.02 | D150 |
| Loss Index | @ 60 Hz | 0.03 | D150 |
| PHYSICAL | | | |
| Specific Gravity | | 13.5 | D792 |
| Hardness | Durometer D | 78 | D676 |
| Izod Impact Strength @ 73°F (23°C) | ft.lb/in. notch | 15.0 | D256 |
| Tensile Strength @ 73°F (23°C) | psi | 6000 | D638 |
| Compressive Strength | psi | 8600 | D695 |
| Flexural Strength | psi | 11500 | D790 |
| THERMAL | | | |
| Coefficient of Thermal Conductivity | BTU/sec/in ² /°F/in | 0.11 | C177 |
| Coefficient of Linear Expansion | per °F x 10 ⁻⁵ | 5.5 | D696 |
| Heat Distortion Temperature at 264 psi | °F | 158 | D648 |
| OTHERS | | | |
| Flammability | | self-extinguishing | D635 |
| Water Absorption in 30 days | % | 0.6 | |
| Color | | charcoal grey | |
| Light Transmission | | opaque | D791 |

All technical data is believed to be accurate and is presented solely for information and guidance.



The **SCEPTER APP** for Electrical Contractors

A digital solution to calculate the required number of joints or recommended support spacing in minutes.

www.ipexna.com | 1-866-473-9462



Industry leaders specify Scepter PVC conduit fittings by name. For years, Scepter PVC fittings have set the standard for quality and value-added features not normally available from other suppliers. Features such as our threaded brass inserts, brass screws and superior PVC gasketing system make a real difference.

It's our Commitment to Excellence.

If you need more details about a specific product certification, please contact our customer service department.



UL Listed
UL514B - UL514C



TC-2, 3



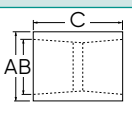
C22.2 No. 85
C22.2 No. 18.2



UL651

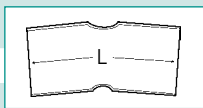
Couplings

| Size (in) | Part Number | Product Code | A (in) | B (in) | C (in) |
|-----------|-------------|--------------|--------|--------|--------|
| 1/2 | EC10 | 068000 | 1.060 | 0.844 | 1.400 |
| 3/4 | EC15 | 068001 | 1.310 | 1.056 | 1.640 |
| 1 | EC20 | 077003 | 1.590 | 1.315 | 2.031 |
| 1-1/4 | EC25 | 077004 | 2.000 | 1.660 | 2.156 |
| 1-1/2 | EC30 | 077005 | 2.230 | 1.900 | 2.281 |
| 2 | EC35 | 077006 | 2.720 | 2.375 | 2.406 |
| 2-1/2 | EC40 | 077007 | 3.320 | 2.875 | 3.187 |
| 3 | EC45 | 077008 | 4.000 | 3.500 | 3.437 |
| 3-1/2 | EC50 | 077009 | 4.500 | 4.000 | 3.625 |
| 4 | EC55 | 077010 | 5.000 | 4.500 | 3.750 |
| 5 | EC60 | 077011 | 6.120 | 5.563 | 4.187 |
| 6 | EC65 | 077012 | 7.370 | 6.625 | 4.562 |
| 8 | EC80 | 178192 | 9.299 | 8.655 | 8.250 |



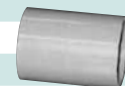
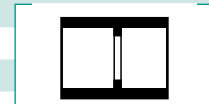
5° Couplings

| Size (in) | Part Number | Product Code | L (in) |
|-----------|-------------|--------------|--------|
| 2 | 5EC35 | 077100 | 4.0 |
| 2-1/2 | 5EC40 | 077101 | 5.5 |
| 3 | 5EC45 | 077103 | 6.0 |
| 3-1/2 | 5EC50 | 077102 | 7.0 |
| 4 | 5EC55 | 277092 | 7.0 |
| 5 | 5EC60 | 277093 | 7.5 |
| 6 | 5EC65 | 077106 | 11.0 |



Long Line Couplings

| Size (in) | Part Number | Product Code | A (in) |
|-----------|-------------|--------------|--------|
| 1-1/2 | LLC30 | 077192 | 3.175 |
| 2 | LLC35 | 077193 | 3.675 |
| 2-1/2 | LLC40 | 077194 | 4.280 |
| 3 | LLC45 | 077195 | 4.800 |
| 4 | LLC55 | 077196 | 6.200 |
| 5 | LLC60 | 078068 | 8.220 |
| 6 | LLC65 | 077198 | 8.220 |



Fabricated Swedge Reducer Couplings

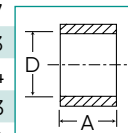
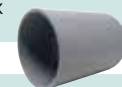
(Socket x Socket) Other sizes available upon request.

| Size (inches) | Part Number | Product Code | L (inches) |
|---------------|-------------|--------------|------------|
| 2 x 1-1/4 | SW3525 | 077320 | 4 |
| 3 x 2 | SW4535 | 077321 | 6 |
| 3 x 2-1/2 | SW4540 | 077335 | 6.5 |
| 4 x 2 | SW5535 | 077322 | 7 |
| 4 x 2-1/2 | SW5540 | 069282 | - |
| 4 x 3 | SW5545 | 077333 | 7 |



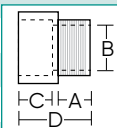
Repair Coupling Sleeve

| Size (in) | Part Number | Product Code | A (in) | D Min (in) | D Max (in) |
|-----------|-------------|--------------|--------|------------|------------|
| 1-1/2 | REC30 | 077292 | 2.300 | 1.912 | 1.924 |
| 2 | REC35 | 277293 | 2.405 | 2.367 | 2.399 |
| 2-1/2 | REC40 | 077294 | 3.450 | 2.883 | 2.897 |
| 3 | REC45 | 277295 | 3.600 | 3.507 | 3.523 |
| 4 | REC55 | 277296 | 3.920 | 4.506 | 4.524 |
| 5 | REC60 | 277297 | 4.275 | 5.583 | 5.603 |
| 6 | REC65 | 277298 | 4.620 | 6.647 | 6.669 |



Terminal Adapters

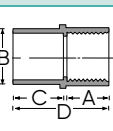
| Size (in) | Part Number | Product Code | A (in) | B (in) | C (in) | D (in) |
|-----------|-------------|--------------|--------|--------|--------|--------|
| 1/2 | TA10 | 077021 | 0.700 | 0.591 | 0.750 | 1.550 |
| 3/4 | TA15 | 077022 | 0.675 | 0.790 | 1.000 | 1.750 |
| 1 | TA20 | 077023 | 0.625 | 1.000 | 1.115 | 1.860 |
| 1-1/4 | TA25 | 077024 | 0.640 | 1.311 | 1.300 | 2.125 |
| 1-1/2 | TA30 | 077025 | 0.725 | 1.530 | 1.425 | 2.250 |
| 2 | TA35 | 077026 | 0.800 | 1.970 | 1.150 | 2.100 |
| 2-1/2 | TA40 | 077027 | 0.800 | 2.346 | 1.900 | 2.930 |
| 3 | TA45 | 077028 | 0.815 | 2.915 | 2.000 | 3.055 |
| 3-1/2 | TA50 | 077029 | 1.000 | 3.385 | 1.715 | 3.055 |
| 4 | TA55 | 077030 | 0.815 | 3.850 | 1.990 | 3.215 |
| 5 | TA60 | 077031 | 1.725 | 5.015 | 2.000 | 5.985 |
| 6 | TA65 | 077032 | 1.875 | 6.025 | 2.130 | 6.500 |
| 8 | TA80 | 178190 | - | - | - | - |



Note: 1/2" to 1-1/4" TA – tapered thread.
1-1/2" to 6" TA – non-tapered thread.

Female Adapters

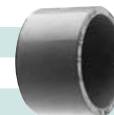
| Size (in) | Part Number | Product Code | A (in) | B (in) | C (in) | D (in) |
|-----------|-------------|--------------|--------|--------|--------|--------|
| 1/2 | FA10 | 077041 | 0.620 | 1.080 | 0.800 | 1.725 |
| 3/4 | FA15 | 077042 | 0.820 | 1.300 | 0.800 | 1.900 |
| 1 | FA20 | 077043 | 1.065 | 1.590 | 1.000 | 2.300 |
| 1-1/4 | FA25 | 077044 | 1.395 | 2.000 | 1.015 | 2.425 |
| 1-1/2 | FA30 | 077045 | 1.575 | 2.230 | 1.050 | 2.440 |
| 2 | FA35 | 077046 | 2.050 | 2.720 | 1.075 | 2.550 |
| 2-1/2 | FA40 | 077047 | 1.020 | 3.250 | 1.500 | 2.700 |
| 3 | FA45 | 077048 | 3.090 | 4.000 | 1.630 | 4.100 |
| 3-1/2 | FA50 | 077049 | 3.540 | 4.500 | 1.800 | 3.895 |
| 4 | FA55 | 077050 | 4.025 | 5.000 | 1.755 | 4.210 |
| 5 | FA60 | 077051 | 5.035 | 6.120 | 2.065 | 5.240 |
| 6 | FA65 | 077052 | 6.045 | 7.370 | 2.065 | 5.235 |
| 8 | FA80 | 178189 | - | - | - | - |



Note: All female adapters have NPT-tapered threads.

Reducer Bushings

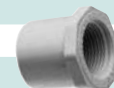
| Size (in) | Part Number | Product Code |
|---------------|-------------|--------------|
| 3/4 x 1/2 | 1805 | 077300 |
| 1 x 1/2 | 1805-1 | 077301 |
| 1 x 3/4 | 1806 | 077302 |
| 1-1/4 x 3/4 | 1807-1 | 077303 |
| 1-1/4 x 1 | 1807 | 077304 |
| 1-1/2 x 1 | 1808-1 | 077305 |
| 1-1/2 x 1-1/4 | 1808 | 077306 |
| 2 x 1 | 1809-1 | 077313 |
| 2 x 1-1/4 | 1809 | 077307 |
| 2 x 1-1/2 | 1810 | 077308 |
| 2-1/2 x 2 | 1811 | 077309 |
| 3 x 2 | 1812-1 | 077310 |
| 3 x 2-1/2 | 1812 | 077311 |
| 4 x 2 | 1813-1 | 077319 |
| 4 x 3 | 1813 | 077312 |
| 4 x 3-1/2 | 1814 | 077317 |



*Additional sizes of reducer bushings are available upon request.

Threaded Reducer Bushings

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 3/4 x 1/2 | 1825 | 077314 |
| 1 x 1/2 | 1826 | 077315 |
| 1 x 3/4 | 1827 | 077316 |



End Bells

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1/2 | EB10 | 077406 |
| 3/4 | EB15 | 077085 |
| 1 | EB20 | 077323 |
| 1-1/4 | EB25 | 077324 |
| 1-1/2 | EB30 | 077325 |
| 2 | EB35 | 077326 |
| 2-1/2 | EB40 | 077327 |
| 3 | EB45 | 077328 |
| 3-1/2 | EB50 | 077329 |
| 4 | EB55 | 077330 |
| 5 | EB60 | 077331 |
| 6 | EB65 | 077332 |
| 8* | EB80 | 277094 |
| 8** | FEB80 | 077652 |



* Molded, ** Fabricated

End Caps

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1/2 | CAP10 | 077421 |
| 3/4 | CAP15 | 077422 |
| 1 | CAP20 | 077423 |
| 1-1/4 | CAP25 | 077424 |
| 1-1/2 | CAP30 | 077425 |
| 2 | CAP35 | 077426 |
| 2-1/2 | CAP40 | 077427 |
| 3 | CAP45 | 077428 |
| 3-1/2 | CAP50 | 277085 |
| 4 | CAP55 | 077430 |
| 5 | CAP60 | 077431 |
| 6 | CAP65 | 077432 |

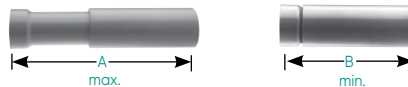


Poly Plugs

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 2 - 2-1/2 | PP3540 | 077433 |
| 3 - 3-1/2 | PP4550 | 077434 |
| 4 | PP55 | 077435 |
| 5 | PP60 | 077436 |
| 6 | PP65 | 077437 |



"O" Ring Expansion Joints



| Size (in) | Part Number | Product Code | A (in) | B (in) |
|-----------|-------------|--------------|--------|--------|
| 1/2 | EJ10 | 277156 | 12.00 | 8.00 |
| 3/4 | EJ15 | 077382 | 12.00 | 8.00 |
| 1 | EJ20 | 077383 | 12.50 | 8.50 |
| 1-1/4 | EJ25 | 077384 | 13.00 | 9.00 |
| 1-1/2 | EJ30 | 077385 | 13.00 | 9.00 |
| 2 | EJ35 | 077386 | 13.25 | 9.25 |
| 2-1/2 | EJ40 | 077387 | 13.25 | 9.25 |
| 3 | EJ45 | 077388 | 22.25 | 14.25 |
| 3-1/2 | EJ50 | 077389 | 22.25 | 14.25 |
| 4 | EJ55 | 077390 | 22.25 | 14.25 |
| 5 | EJ60 | 077391 | 22.25 | 14.25 |
| 6 | EJ65 | 077392 | 22.25 | 14.25 |

One Kit, Four Heights, One Low Cost!

This simple yet innovative Round Floor Box Stand is equipped with several height brackets which accommodate the different rebar and post-tension cable heights and slab depths found from jobsite to job-site. When installed together, the Floor Box and Stand can be used in 5-1/2" to 10" slab depths.



Sold as a Kit, IPEX offers the Round Floor Box and Stand conveniently packaged together as one complete product offering.

FEATURE & BENEFITS

- Four Adjustable Heights
- Withstands Tough Job Site Conditions
- Raises Entrance Hubs to Rebar
- Easy to Install
- Minimizes Footprint on Concrete Form
- Cost Effective

One Piece Expansion Joints

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1/2 | OPEJ10 | 077018 |
| 3/4 | OPEJ15 | 077019 |
| 1 | OPEJ20 | 077053 |
| 1-1/4 | OPEJ25 | 077054 |
| 1-1/2 | OPEJ30 | 077061 |
| 2 | OPEJ35 | 077063 |



T.A. Special Expansion Joint



| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 2-1/2 | EJ40TA | 077398 |

Expansion and Deflection Fitting Assemblies

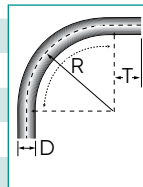


| Size (in) | Part Number | Description | Product Code |
|-----------|-------------|-------------------|--------------|
| 2* | SE-J-35 | Complete Assembly | 077889 |
| 3* | SE-J-45 | Complete Assembly | 077890 |
| 4* | SE-J-55 | Complete Assembly | 077891 |

* Not Certified

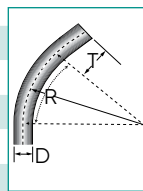
90° Elbows Schedule 40 Standard Radius

| Size (in) | Part Number | Product Code | D (in) | T (in) | R (in) |
|-----------|-------------|--------------|--------|--------|--------|
| 1/2 | EE1090 | 068580 | 0.840 | 1.500 | 4.00 |
| 3/4 | EE1590 | 068581 | 1.050 | 1.500 | 4.50 |
| 1 | EE2090 | 068582 | 1.315 | 1.875 | 5.75 |
| 1-1/4 | EE2590 | 068583 | 1.660 | 2.000 | 7.25 |
| 1-1/2 | EE3090 | 068584 | 1.900 | 2.000 | 8.25 |
| 2 | EE3590 | 068585 | 2.375 | 2.000 | 9.50 |
| 2-1/2 | EE4090 | 068586 | 2.875 | 3.000 | 10.50 |
| 3 | EE4590 | 068587 | 3.500 | 3.125 | 13.00 |
| 3-1/2 | EE5090 | 068588 | 4.000 | 3.250 | 15.00 |
| 4 | EE5590 | 068589 | 4.500 | 3.375 | 16.00 |
| 5 | EE6090 | 068591 | 5.563 | 3.625 | 24.00 |
| 6 | EE6590 | 068592 | 6.625 | 3.750 | 30.00 |



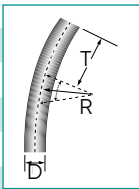
45° Elbows Schedule 40 Standard Radius

| Size (in) | Part Number | Product Code | D (in) | T (in) | R (in) |
|-----------|-------------|--------------|--------|--------|--------|
| 1/2 | EE1045 | 068600 | 0.840 | 1.500 | 4.00 |
| 3/4 | EE1545 | 068601 | 1.050 | 1.500 | 4.50 |
| 1 | EE2045 | 068602 | 1.315 | 1.875 | 5.75 |
| 1-1/4 | EE2545 | 068603 | 1.660 | 2.000 | 7.25 |
| 1-1/2 | EE3045 | 068604 | 1.900 | 2.000 | 8.25 |
| 2 | EE3545 | 068605 | 2.375 | 2.000 | 9.50 |
| 2-1/2 | EE4045 | 068606 | 2.875 | 3.000 | 10.50 |
| 3 | EE4545 | 068607 | 3.500 | 3.125 | 13.00 |
| 3-1/2 | EE5045 | 068608 | 4.000 | 3.250 | 15.00 |
| 4 | EE5545 | 068609 | 4.500 | 3.375 | 16.00 |
| 5 | EE6045 | 068611 | 5.563 | 3.625 | 24.00 |
| 6 | EE6545 | 068612 | 6.625 | 3.750 | 30.00 |



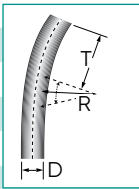
30° Elbows Schedule 40 Standard Radius

| Size (in) | Part Number | Product Code | D (in) | T (in) | R (in) |
|-----------|-------------|--------------|--------|--------|--------|
| 1/2 | EE1030 | 068620 | 0.840 | 1.500 | 4.00 |
| 3/4 | EE1530 | 068621 | 1.050 | 1.500 | 4.50 |
| 1 | EE2030 | 068622 | 1.315 | 1.875 | 5.75 |
| 1-1/4 | EE2530 | 068623 | 1.660 | 2.000 | 7.25 |
| 1-1/2 | EE3030 | 068624 | 1.900 | 2.000 | 8.25 |
| 2 | EE3530 | 068625 | 2.375 | 2.000 | 9.50 |
| 2-1/2 | EE4030 | 068626 | 2.750 | 3.000 | 10.50 |
| 3 | EE4530 | 068627 | 3.500 | 3.125 | 13.00 |
| 3-1/2 | EE5030 | 068628 | 4.000 | 3.250 | 15.00 |
| 4 | EE5530 | 068629 | 4.500 | 3.375 | 16.00 |
| 5 | EE6030 | 068631 | 5.563 | 3.625 | 24.00 |
| 6 | EE6530 | 068632 | 6.625 | 3.750 | 30.00 |



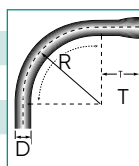
22-1/2° Elbows Schedule 40 Standard Radius

| Size (in) | Part Number | Product Code | D (in) | T (in) | R (in) |
|-----------|-------------|--------------|--------|--------|--------|
| 1-1/2 | EE1522 | 078580 | 1.900 | 2.000 | 8.25 |
| 2 | EE2022 | 078581 | 2.375 | 2.000 | 9.50 |
| 2-1/2 | EE2522 | 078582 | 2.875 | 3.000 | 10.50 |
| 3 | EE3022 | 078583 | 3.500 | 3.125 | 13.00 |
| 3-1/2 | EE3522 | 078584 | 4.000 | 3.250 | 15.00 |
| 4 | EE4022 | 078585 | 4.500 | 3.375 | 16.00 |
| 5 | EE5022 | 078586 | 5.563 | 3.625 | 24.00 |
| 6 | EE6022 | 078587 | 6.625 | 3.750 | 30.00 |



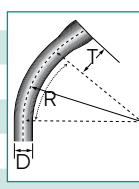
90° Elbows Schedule 40 Integral Bell End

| Size (in) | Part Number | Product Code | D (in) | T (in) | R (in) |
|-----------|-------------|--------------|--------|--------|--------|
| 1/2 | EE1090B | 068420 | 0.840 | 1.500 | 4.00 |
| 3/4 | EE1590B | 068421 | 1.050 | 1.500 | 4.50 |
| 1 | EE2090B | 068422 | 1.315 | 1.875 | 5.75 |
| 1-1/4 | EE2590B | 068423 | 1.660 | 2.000 | 7.25 |
| 1-1/2 | EE3090B | 068424 | 1.900 | 2.000 | 8.25 |
| 2 | EE3590B | 068425 | 2.375 | 2.000 | 9.50 |
| 2-1/2 | EE4090B | 068426 | 2.875 | 3.000 | 10.50 |
| 3 | EE4590B | 068427 | 3.500 | 3.125 | 13.00 |
| 3-1/2 | EE5090B | 068428 | 4.000 | 3.250 | 15.00 |
| 4 | EE5590B | 068429 | 4.500 | 3.375 | 16.00 |
| 5 | EE6090B | 068430 | 5.563 | 3.625 | 24.00 |
| 6 | EE6590B | 068431 | 6.625 | 3.750 | 30.00 |



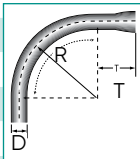
45° Elbows Schedule 40 Integral Bell End

| Size (in) | Part Number | Product Code | D (in) | T (in) | R (in) |
|-----------|-------------|--------------|--------|--------|--------|
| 1/2 | EE1045B | 068561 | 0.840 | 1.500 | 4.00 |
| 3/4 | EE1545B | 068562 | 1.050 | 1.500 | 4.50 |
| 1 | EE2045B | 068563 | 1.315 | 1.875 | 5.75 |
| 1-1/4 | EE2545B | 068564 | 1.660 | 2.000 | 7.25 |
| 1-1/2 | EE3045B | 068565 | 1.900 | 2.000 | 8.25 |
| 2 | EE3545B | 068566 | 2.375 | 2.000 | 9.50 |
| 2-1/2 | EE4045B | 068567 | 2.875 | 3.000 | 10.50 |
| 3 | EE4545B | 068568 | 3.500 | 3.125 | 13.00 |
| 3-1/2 | EE5045B | 068569 | 4.000 | 3.250 | 15.00 |
| 4 | EE5545B | 068570 | 4.500 | 3.375 | 16.00 |
| 5 | EE6045B | 068571 | 5.563 | 3.625 | 24.00 |
| 6 | EE6545B | 068572 | 6.625 | 3.750 | 30.00 |



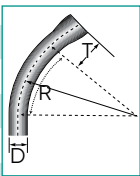
90° Elbows Schedule 80 Standard Radius

| Size (in) | Part Number | Product Code | D (in) | T (in) | R (in) |
|-----------|-------------|--------------|--------|--------|--------|
| 1/2 | 80EE1090 | 068690 | 0.840 | 1.500 | 4.00 |
| 3/4 | 80EE1590 | 068691 | 1.050 | 1.500 | 4.50 |
| 1 | 80EE2090 | 068692 | 1.315 | 1.875 | 5.75 |
| 1-1/4 | 80EE2590 | 068693 | 1.660 | 2.000 | 7.25 |
| 1-1/2 | 80EE3090 | 068694 | 1.900 | 2.000 | 8.25 |
| 2 | 80EE3590 | 068695 | 2.375 | 2.000 | 9.50 |
| 2-1/2 | 80EE4090 | 068696 | 2.875 | 3.000 | 10.50 |
| 3 | 80EE4590 | 068697 | 3.500 | 3.125 | 13.00 |
| 4 | 80EE5590 | 068698 | 4.500 | 3.375 | 16.00 |
| 5 | 80EE6090 | 068699 | 5.563 | 3.625 | 24.00 |
| 6 | 80EE6590 | 068700 | 6.625 | 3.750 | 30.00 |



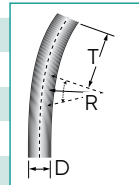
45° Elbows Schedule 80 Standard Radius

| Size (in) | Part Number | Product Code | D (in) | T (in) | R (in) |
|-----------|-------------|--------------|--------|--------|--------|
| 1/2 | 80EE1045 | 068810 | 0.840 | 1.500 | 4.00 |
| 3/4 | 80EE1545 | 068811 | 1.050 | 1.500 | 4.50 |
| 1 | 80EE2045 | 068812 | 1.315 | 1.875 | 5.75 |
| 1-1/4 | 80EE2545 | 068813 | 1.660 | 2.000 | 7.25 |
| 1-1/2 | 80EE3045 | 068814 | 1.900 | 2.000 | 8.25 |
| 2 | 80EE3545 | 068815 | 2.375 | 2.000 | 9.50 |
| 2-1/2 | 80EE4045 | 068816 | 2.875 | 3.000 | 10.50 |
| 3 | 80EE4545 | 068817 | 3.500 | 3.125 | 13.00 |
| 4 | 80EE5545 | 068818 | 4.500 | 3.375 | 16.00 |
| 5 | 80EE6045 | 068819 | 5.563 | 3.625 | 24.00 |
| 6 | 80EE6545 | 068820 | 6.625 | 3.750 | 30.00 |



30° Elbows Schedule 80 Standard Radius

| Size (in) | Part Number | Product Code | D (in) | T (in) | R (in) |
|-----------|-------------|--------------|--------|--------|--------|
| 1/2 | 80EE1030 | 068550 | 0.840 | 1.500 | 4.00 |
| 3/4 | 80EE1530 | 068551 | 1.050 | 1.500 | 4.50 |
| 1 | 80EE2030 | 068552 | 1.315 | 1.875 | 5.75 |
| 1-1/4 | 80EE2530 | 068553 | 1.660 | 2.000 | 7.25 |
| 1-1/2 | 80EE3030 | 068554 | 1.900 | 2.000 | 8.25 |
| 2 | 80EE3530 | 068555 | 2.375 | 2.000 | 9.50 |
| 2-1/2 | 80EE4030 | 068556 | 2.750 | 3.000 | 10.50 |
| 3 | 80EE4530 | 068557 | 3.500 | 3.125 | 13.00 |
| 4 | 80EE5530 | 068558 | 4.500 | 3.375 | 16.00 |
| 5 | 80EE6030 | 068559 | 5.563 | 3.625 | 24.00 |
| 6 | 80EE6530 | 068560 | 6.625 | 3.750 | 30.00 |



Scepter®

2½ inch Meter Offset



- Accommodates aluminum wire bond and 200A services
- Allows connection to meter hub without use of a reducer
- Offsets pipe to easily enable connections to junction and meter boxes
- Watertight connections

» Discover Scepter®

IPEX
by aliaxis

Schedule 40 Special Radius (Plain End)

| Size Inches | Degree Bend | 18" Radius Product Code | 24" Radius Product Code | 30" Radius Product Code | 36" Radius Product Code | 48" Radius Product Code | 60" Radius Product Code |
|-------------|-------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 1 | 90 | 068702 | 068722 | 068742 | 068762 | 068782 | # |
| | 45 | 068802 | 068822 | 068842 | 068862 | 068882 | # |
| | 30 | 068902 | 068922 | 068942 | 068962 | 068982 | # |
| | 22-1/2 | 078853 | 078035 | # | # | # | # |
| 1-1/4 | 90 | 068703 | 068723 | 068743 | 068763 | 068783 | # |
| | 45 | 068803 | 068823 | 068843 | 068863 | 068883 | # |
| | 30 | 068903 | 068923 | 068943 | 068963 | 068983 | # |
| | 22-1/2 | 068513 | 078667 | # | # | # | # |
| 1-1/2 | 90 | 068704 | 068724 | 068744 | 068764 | 068784 | # |
| | 45 | 068804 | 068824 | 068844 | 068864 | 068884 | # |
| | 30 | 068904 | 068924 | 068944 | 068964 | 068984 | # |
| | 22-1/2 | 068523 | 078668 | # | # | # | # |
| 2 | 90 | 068705 | 068725 | 068745 | 068765 | 068785 | 068113 |
| | 45 | 068805 | 068825 | 068845 | 068865 | 068885 | # |
| | 30 | 068905 | 068925 | 068945 | 068965 | 068985 | # |
| | 22-1/2 | 068514 | 068547 | # | 068515 | # | # |
| 2-1/2 | 90 | 068706 | 068726 | 068746 | 068766 | 068786 | # |
| | 45 | 068806 | 068826 | 068846 | 068866 | 068886 | # |
| | 30 | 068906 | 068926 | 068946 | 068966 | 068986 | # |
| | 22-1/2 | 068524 | | # | # | # | # |
| 3 | 90 | 068707 | 068727 | 068747 | 068767 | 068787 | 068114 |
| | 45 | 068807 | 068827 | 068847 | 068867 | 068887 | # |
| | 30 | 068907 | 068927 | 068947 | 068967 | 068987 | # |
| | 22-1/2 | 068516 | 068525 | # | 068517 | 068526 | # |
| 3-1/2 | 90 | Use Standard | 068728 | 068748 | 068768 | 068788 | # |
| | 45 | Schedule 40 | 068828 | 068848 | 068868 | 068888 | # |
| | 30 | Elbow | 068928 | 068948 | 068968 | 068988 | # |
| | 22-1/2 | | 068130 | # | # | # | # |
| 4 | 90 | Use Standard | 068729 | 068749 | 068769 | 068789 | 068112 |
| | 45 | Schedule 40 | 068829 | 068849 | 068869 | 068889 | 078011 |
| | 30 | Elbow | 068929 | 068949 | 068969 | 068989 | # |
| | 22-1/2 | | 068518 | 068519 | 068520 | 068521 | 068111 |
| 5 | 90 | | | 068751 | 068771 | 068791 | 068115 |
| | 45 | Use Standard | | 068851 | 068871 | 068891 | 078615 |
| | 30 | Schedule 40 Elbow | | 068951 | 068971 | 068991 | 068132 |
| | 22-1/2 | | | 068529 | 068522 | # | # |
| 6 | 90 | | | | 068772 | 068792 | # |
| | 45 | Use Standard | | | 068872 | 068892 | 078220 |
| | 30 | Schedule 40 Elbow | | | 068972 | 068992 | # |
| | 22-1/2 | | | | 068528 | 068527 | 078221 |
| 8 | 90 | - | - | - | - | 068052 | # |
| | 45 | - | - | - | - | 068082 | # |
| | 22-1/2 | - | - | - | - | 068081 | # |
| | 11-1/4 | - | - | - | - | 068080 | # |

Note: # indicates available on request.
Material is non-cancelable and non-returnable.

Note: Larger Radius Elbows are available on request and are non-cancelable and non-returnable.

Schedule 40 Special Radius (Belled One End)

| Size Inches | Degree Bend | 18" Radius Product Code | 24" Radius Product Code | 36" Radius Product Code | 48" Radius Product Code |
|-------------|-------------|----------------------------------|----------------------------------|-------------------------|-------------------------|
| 2 | 90 | 068014 | 068030 | 068054 | 068078 |
| | 45 | 068015 | 068033 | 068055 | 068079 |
| 2-1/2 | 90 | 068016 | 068034 | 068056 | 068086 |
| | 45 | 068017 | 068035 | 068057 | 068090 |
| 3 | 90 | 068018 | 068036 | 068058 | 068091 |
| | 45 | 068019 | 068037 | 068059 | 068092 |
| 3-1/2 | 90 | Use Std. Sch. 40 Radius (15") | 068038 | 068070 | 068093 |
| | 45 | | 068039 | 068071 | 068094 |
| 4 | 90 | Use Std. Sch. 40 Radius (16") | 068050 | 068072 | 068095 |
| | 45 | | 068053 | 068073 | 068096 |
| 5 | 90 | Use Std. Sch. 40 Radius (24") | Use Std. Sch. 40 Radius (24") | 068074 | 068097 |
| | 45 | | | 068075 | 068098 |
| 6 | 90 | Use Std. Sch. 40 Radius (30") | Use Std. Sch. 40 Radius (30") | 068076 | 068099 |
| | 45 | | | 068077 | 068106 |

Schedule 80 Special Radius (Belled One End)

| Size Inches | Degree Bend | 18" Radius Product Code | 24" Radius Product Code | 30" Radius Product Code | 36" Radius Product Code | 48" Radius Product Code |
|-------------|-------------|---------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 1 | 90 | 068710 | # | # | # | 068541 |
| | 45 | # | # | # | # | # |
| 1-1/4 | 90 | 068711 | 068735 | # | # | 068542 |
| | 45 | # | # | # | # | # |
| 1-1/2 | 90 | 068712 | # | # | 068545 | 068543 |
| | 45 | # | # | # | # | # |
| 2 | 90 | 068713 | 068736 | # | 068775 | 068544 |
| | 45 | # | 068530 | # | 068534 | # |
| 2-1/2 | 90 | 068714 | 068737 | # | 068776 | 068548 |
| | 45 | # | 068531 | # | 068535 | # |
| 3 | 90 | 068715 | 068738 | # | 068777 | 068794 |
| | 45 | # | 068532 | # | 068536 | # |
| 4 | 90 | 068716 | 068739 | 068549 | 068778 | 068795 |
| | 45 | # | 068533 | # | 068537 | # |
| 5 | 90 | Use Standard Schedule 80 Radius (24") | | # | 068779 | 068796 |
| | 45 | | | # | 068538 | 068546 |
| 6 | 90 | | | | 068540 | 068797 |
| | 45 | | | | 068539 | # |

Note: # indicates available on request.
Material is non-cancelable and non-returnable.

Note: 30° and 22½° Elbows are available on request.

Note: Larger Radius Elbows are available on request and are non-cancelable and non-returnable.

Pipe Straps PVC, 2 Hole

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1/2 | PS10 | 077811 |
| 3/4 | PS15 | 077812 |
| 1 | PS20 | 077813 |
| 1-1/4 | PS25 | 077814 |
| 1-1/2 | PS30 | 077815 |
| 2 | PS35 | 077816 |



Pipe Straps PE, 2 Hole

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 2-1/2 | PS40 | 077262 |
| 3 | PS45 | 077263 |
| 4 | PS55 | 077264 |



PVC Coated Steel, 2 Hole

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 2 | CS35 | 077818 |
| 2-1/2 | CS40 | 077819 |
| 3 | CS45 | 077820 |
| 3-1/2 | CS50 | 077821 |
| 4 | CS55 | 077822 |
| 5 | CS60 | 077824 |
| 6 | CS65 | 077823 |



PVC Coated Steel, 1 Hole

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1/2 | CS10-1 | 077831 |
| 3/4 | CS15-1 | 077832 |
| 1 | CS20-1 | 077833 |
| 1-1/4 | CS25-1 | 077834 |
| 1-1/2 | CS30-1 | 077835 |
| 2 | CS35-1 | 077836 |
| 3 | CS45-1 | 077838 |
| 3-1/2 | CS50-1 | 077839 |
| 4 | CS55-1 | 077840 |



Access Fitting Dimensions



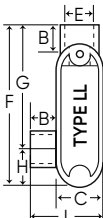
TYPE LL TYPE T TYPE TB TYPE LB TYPE E TYPE C TYPE LR

| Size (in) | A (in) | B (in) | C (in) | D (in) | E (in) | F (in) |
|-----------|--------|--------|--------|--------|--------|--------|
| 1/2 | 5.6 | 0.6 | 1.3 | 1.1 | 0.8 | 4.3 |
| 3/4 | 5.6 | 0.8 | 1.5 | 1.3 | 1.1 | 5.4 |
| 1 | 6.5 | 0.9 | 1.7 | 1.6 | 1.3 | 6.3 |
| 1-1/4 | 7.9 | 1.1 | 2.3 | 2.0 | 1.7 | 7.6 |
| 1-1/2 | 8.5 | 1.1 | 2.7 | 2.3 | 1.9 | 8.3 |
| 2 | 10.9 | 1.2 | 3.2 | 2.8 | 2.4 | 10.5 |
| 2-1/2 | 14.6 | 1.8 | 4.5 | 4.0 | 2.9 | 13.6 |
| 3 | 14.6 | 1.9 | 4.5 | 4.0 | 3.5 | 13.6 |
| 3-1/2 | 17.0 | 2.1 | 5.5 | 5.0 | 4.0 | 16.0 |
| 4 | 17.0 | 2.1 | 5.5 | 5.0 | 4.5 | 16.0 |

| Size (in) | G (in) | H (in) | I (in) | J (in) | K (in) | L (in) |
|-----------|--------|--------|--------|--------|--------|--------|
| 1/2 | 4.1 | 1.3 | 2.5 | 2.3 | 1.0 | 0.8 |
| 3/4 | 4.1 | 1.3 | 2.5 | 2.8 | 1.0 | 0.8 |
| 1 | 4.8 | 1.5 | 2.1 | 3.3 | 1.1 | 1.1 |
| 1-1/4 | 5.8 | 1.8 | 3.6 | 4.0 | 1.6 | 1.0 |
| 1-1/2 | 6.5 | 1.8 | 3.9 | 4.3 | 1.7 | 1.1 |
| 2 | 8.2 | 2.3 | 4.5 | 5.4 | 2.0 | 1.2 |
| 2-1/2 | 9.8 | 3.8 | 6.2 | 7.3 | 2.6 | - |
| 3 | 10.9 | 2.7 | 6.2 | 7.3 | 2.6 | - |
| 3-1/2 | 11.5 | 4.5 | 7.5 | 8.5 | 3.0 | - |
| 4 | 11.5 | 4.5 | 7.5 | 8.5 | 3.0 | - |

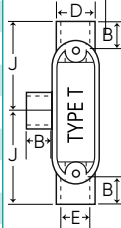
Access Fittings Type LL

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1/2 | SLL10S | 077521 |
| 3/4 | SLL20S | 077522 |
| 1 | SLL30S | 077523 |
| 1-1/4 | SLL40S | 077524 |
| 1-1/2 | SLL50S | 077525 |
| 2 | SLL60S | 077526 |
| 2-1/2 | SLL70S | 077527 |
| 3 | SLL80S | 077528 |
| 3-1/2 | SLL90S | 077530 |
| 4 | SLL100S | 077529 |



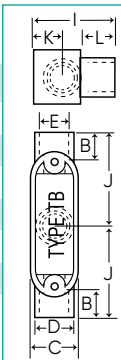
Access Fittings Type T

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1/2 | ST10S | 077461 |
| 3/4 | ST20S | 077462 |
| 1 | ST30S | 077463 |
| 1-1/4 | ST40S | 077464 |
| 1-1/2 | ST50S | 077465 |
| 2 | ST60S | 077466 |
| 2-1/2 | ST70S | 077467 |
| 3 | ST80S | 077468 |
| 3-1/2 | ST90S | 077471 |
| 4 | ST100S | 077572 |



Access Fittings Type TB

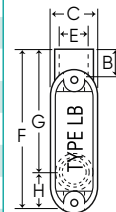
| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1/2 | STB10S | 077451 |
| 3/4 | STB20S | 077452 |
| 1 | STB30S | 077453 |
| 1-1/4 | STB40S | 077454 |
| 1-1/2 | STB50S | 077455 |
| 2 | STB60S | 077456 |



All access fittings are UL listed for wet locations.
Supplied with threaded brass inserts, brass screws, PVC gasket & cover.
Stainless steel screws are available upon request.

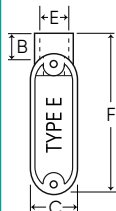
Access Fittings Type LB

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1/2 | SLB10S | 077541 |
| 3/4 | SLB20S | 077542 |
| 1 | SLB30S | 077543 |
| 1-1/4 | SLB40S | 077544 |
| 1-1/2 | SLB50S | 077545 |
| 2 | SLB60S | 077546 |
| 2-1/2 | SLB70S | 077547 |
| 3 | SLB80S | 077488 |
| 3-1/2 | SLB90S | 077549 |
| 4 | SLB100S | 077550 |



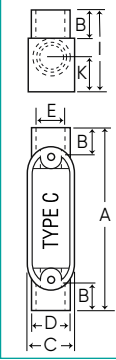
Access Fittings Type E

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1/2 | SE10S | 077561 |
| 3/4 | SE20S | 077562 |
| 1 | SE30S | 077563 |
| 1-1/4 | SE40S | 077564 |
| 1-1/2 | SE50S | 077565 |
| 2 | SE60S | 077566 |
| 2-1/2 | SE70S | 077567 |



Access Fittings Type C

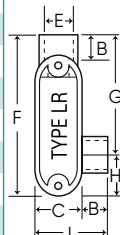
| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1/2 | SC10S | 077501 |
| 3/4 | SC20S | 077502 |
| 1 | SC30S | 077503 |
| 1-1/4 | SC40S | 077504 |
| 1-1/2 | SC50S | 077505 |
| 2 | SC60S | 077506 |
| 2-1/2 | SC70S | 077507 |
| 3 | SC80S | 077508 |
| 3-1/2 | SC90S | 077510 |
| 4 | SC100S | 077509 |



All access fittings are UL listed for wet locations.
Supplied with threaded brass inserts, brass screws, PVC gasket & cover.
Stainless steel screws are available upon request.

Access Fittings Type LR

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1/2 | SLR10S | 077481 |
| 3/4 | SLR20S | 077482 |
| 1 | SLR30S | 077483 |
| 1-1/4 | SLR40S | 077484 |
| 1-1/2 | SLR50S | 077485 |
| 2 | SLR60S | 077486 |
| 2-1/2 | SLR70S | 077480 |
| 3 | SLR80S | 077488 |
| 3-1/2 | SLR90S | 077487 |
| 4 | SLR100S | 077489 |



Conduit Clamps and Spacers

| Size (in) | Part Number | Product Code |
|------------|-------------|--------------|
| 1/2 | CCS10 | 077794 |
| 3/4 | CCS15 | 077796 |
| 1 | CCS20 | 077797 |
| 1-1/4 | CCS25 | 077798 |
| 1-1/2 | CCS30 | 077799 |
| 2 | CCS35 | 077800 |
| Strut Base | CCS-B | 077343 |



CCS-B are sold individually, two pieces are required to create one base unit.

Service Entrance Fittings

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1/2 | EF10 | 077281 |
| 3/4 | EF15 | 077282 |
| 1 | EF20 | 077283 |
| 1-1/4 | EF25 | 077284 |
| 1-1/2 | EF30 | 077285 |
| 2 | EF35 | 077286 |
| 2-1/2 | EF40 | 077287 |
| 3 | EF45 | 077288 |
| 3-1/2 | EF50 | 077289 |
| 4 | EF55 | 077290 |



All access fittings are UL listed for wet locations. Supplied with threaded brass inserts, brass screws, PVC gasket & cover. Stainless steel screws are available upon request.

Offset Terminal Adapters (Meter Offsets)

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1-1/4 | MO25 | 077941 |
| 2 | MO35 | 077942 |



Long Meter Offsets (Fabricated)

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1-1/4 | LMO25 | 069641 |
| 1-1/2 | LMO30 | 069645 |
| 2 | LMO35 | 069646 |



Meter Hubs

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1-1/4 | MHU25 | 077961 |
| 1-1/2 | MHU30 | 077963 |
| 2 | MHU35 | 077965 |
| 2-1/2 | MHU40 | 077967 |
| 3 | MHU45 | 077968 |



Slip Meter Risers Schedule 40

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 2 | SMR35TA | 068063 |
| 2-1/2 | SMR40TA | 068064 |
| 3 | SMR45TA | 068373 |
| 4 | SMR55TA | 068065 |



Note: Meter risers are 2' in length and come complete with male adapter.

"Two in One" Pull Elbow

Scepter's "two in one" access pull elbow reduces inventory costs and increases installation flexibility (3/4" hub fitting supplied with 3/4" x 1/2" reducers). The pull elbow is approved for wet locations and provides for easy wire pulling. They are manufactured from high impact, nonconducting and noncorroding PVC.



| Size (in) | Part Number | Product Code |
|------------|-------------|--------------|
| 1/2 or 3/4 | PE15/10 | 077491 |

Nonmetallic Strain Relief Connectors

Scepter's Nonmetallic Strain Relief Connectors are supplied with all the components you need for a complete connection. The connector body, a selection of grommets and compression rings accepting a range of cord dimensions, a sealing 'O' ring and metallic locknut are all supplied in one package. Available in 1/2" and 3/4" threaded hub and 3/4" PVC socket solvent weld configurations to accommodate a variety of applications.

Threaded, Strain Relief Connector

c/w "O" Ring, Locknut & 4 Grommets



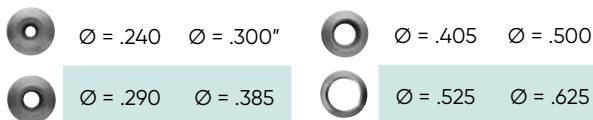
| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1/2 | TSRCU10 | 077244 |
| 3/4 | TSRCU15 | 077261 |

Socket Solvent Weld Strain Relief Connectors



| Size (in) | Part Number | Product Code |
|-----------|-----------------------|--------------|
| 3/4 | SRCU15 c/w 4 grommets | 077209 |

Strain Relief Connectors Grommet Dimensions



Note: All grommets are supplied with TSRCU10, TSRCU15 & SRCU15.

F Series - Single Gang Plates



DRC15/10 TSC15/10 20RC15/10 20-3RC15/10 30RC15/10 BRC15/10

| Description | Part Number | Product Code |
|----------------------------------|-------------|--------------|
| Duplex Receptacle | DRC15/10 | 077617 |
| Toggle Switch | TSC15/10 | 077616 |
| Single Receptacle | 20RC15/10 | 077618 |
| Single Receptacle | 20-3RC15/10 | 077619 |
| Single Receptacle | 30RC15/10 | 077620 |
| Blank c/w Gasket | BRC15/10 | 077611 |
| PVC Gasket only for F Series Box | GASK15/10 | 077621 |

F Series - Double Gang Plates



BRC20-2-U TSC20-2-U DRC20-2-U TSDC20-2-U GASKF20-2-U

| Description | Part Number | Product Code |
|---------------------------|-------------|--------------|
| Blank Cover c/w Gasket | BRC20-2-U | 077359 |
| Double Switch | TSC20-2-U | 077373 |
| Double Duplex Receptacle | DRC20-2-U | 077362 |
| Combo Switch Duplex Rec. | TSDC20-2-U | 077374 |
| PVC Gasket | GASK20-2 | 077743 |
| Foam Gasket with Adhesive | GASKFU20-2 | 172650 |

F Series - Triple Gang Plates



| Description | Part Number | Product Code |
|-------------------------|-------------|--------------|
| Triple Receptacle | DRC20-3 | 077747 |
| Combo Switch Receptacle | DSDR20-3 | 077745 |
| Triple Switch | TSC20-3 | 077744 |
| Combo Switch Receptacle | TSDC20-3 | 077746 |
| Blank Cover c/w Gasket | BRC20-3 | 077748 |
| PVC Gasket | GASK20-3 | 077749 |

Weatherproof Covers - Single Gang

| | Description | (in) | Part Number | Product Code |
|--|---|-------|-------------|--------------|
|  VPT15/10 | Plunger-style Switch Cover | | VPT15/10 | 077630 |
|  VSC15/10 | Toggle Switch Cover | | VSC15/10 | 077612 |
|  WTG15/10 | Grey Toggle Switch Cover | | WTG15/10 | 077606 |
|  WDR15/10 RWDR15/10 | Grey Duplex Receptacle | | WDR15/10 | 077993 |
|  WDR15/10 RWDR15/10 | White Duplex Receptacle | | RWDR15/10 | 077786 |
|  WGF15/10 RWGF15/10 | Grey Ground Fault Receptacle | | WGF15/10 | 077785 |
|  WGF15/10 RWGF15/10 | White Ground Fault Receptacle | | RWGF15/10 | 077787 |
|  WTL15 WTL20 WTL30 | Single Receptacle Device 15 AMP | 1.375 | WTL15 | 077992 |
|  WTL15 WTL20 WTL30 | Single Receptacle Device 20 AMP | 1.625 | WTL20 | 077994 |
|  WTL15 WTL20 WTL30 | Single Receptacle Device 30 AMP | 1.722 | WTL30 | 077991 |
|  WTL15 WTL20 WTL30 | Single Receptacle Device 50 AMP | 2.187 | WTL50 | 077951 |
|  WDLR15/10 RWDLR15/10 | Grey Double Door Duplex Receptacle | | WDRE15/10 | 077087 |
| WDLR15/10 RWDLR15/10 | White Double Door Duplex Receptacle | | RWDR15/10 | 077408 |
| WDLR15/10 RWDLR15/10 | Gasket for W Series Cover (except WDRE & RWDR15/10) | | GASKW | 077755 |
| WDLR15/10 RWDLR15/10 | Gasket for E & RWDR15/10 Covers | | GASKDD | 072225 |

Note: Weatherproof covers, with lids closed, are UL Listed for wet locations.

Weatherproof Covers - Double Gang

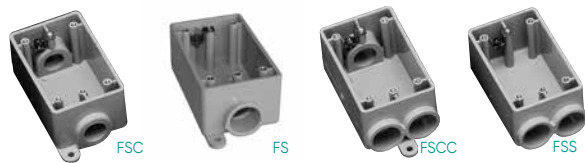
| | Description | Part Number | Product Code |
|--|--|-------------|--------------|
|  VSC20-2-U | Toggle Switch Cover | VSCU20-2 | 077376 |
|  VSC20-2-U | Combination Switch & GFI Receptacle | VSRC20-2 | 077357 |
|  VSDR20-2-U | Combination Switch & Duplex Receptacle | VSDRU20-2 | 077356 |
|  VSGG20-2 | Double Door GFI Cover | VSGG20-2 | 077096 |
|  VSDD20-2 | Double Door Duplex Cover | VSDD20-2 | 077097 |
|  VSGG20-2 & VSDD20-2 | Gasket for 2-Gang 'F' Boxes (except VSGG20-2 & VSDD20-2) | GASKFU20-2 | 172650 |
|  VSGG20-2 & VSDD20-2 | Gasket for VSGG20-2 & VSDD20-2 Double Gangs | GASKV20-2 | 072227 |

Note: Weatherproof covers, with lids closed, are UL Listed for wet locations.

F Series Single Gang Boxes

Outside Dimensions:

Height, $4\frac{9}{16}$ " – Width, $2\frac{13}{16}$ " – Depth 2", Cubic Inches = 25.67



| Size (in) | Part Number | Product Code | Volume (in ³) |
|-----------|-------------|--------------|---------------------------|
| 1/2 | FSC10 | 077607 | 17.0 |
| 3/4 | FSC15 | 077608 | 17.0 |
| 1/2 | FS10 | 077601 | 17.5 |
| 3/4 | FS15 | 077602 | 17.5 |
| 1/2 | FSCC10 | 077622 | 16.3 |
| 3/4 | FSCC15 | 077623 | 16.3 |
| 1/2 | FSS10 | 077604 | 17.0 |
| 3/4 | FSS15 | 077605 | 17.0 |

Note: 10 = 1/2" Hub, 15 = 3/4" Hub

FD Series Single Gang Deep Boxes

Outside Dimensions:

Height, $4\frac{9}{16}$ " – Width, $2\frac{13}{16}$ " – Depth $2\frac{3}{4}$ ", Cubic Inches = 35.30

With the exception of the FD Blank Box, Scepter FD Series Single Gang Deep Boxes are molded with 1" conduit hubs and supplied with reducer bushings. The conduit hub(s) are field modified as 1/2", 3/4" or 1" to accommodate job-site requirements. The appropriate quantity of 1" x 3/4" and 3/4" x 1/2" reducers to create the desired hub size are packaged with each FD Series Single Gang Deep Box.



| Size (in) | Part Number | Product Code | Volume (in ³) |
|-------------|-------------|--------------|---------------------------|
| 1/2, 3/4, 1 | FDC101520 | 077291 | 26.0 |
| 1/2, 3/4, 1 | FDS101520 | 077299 | 26.8 |
| BLANK | FD BLANK | 077603 | 29.2 |
| 347 VOLT | FD347 | 077610 | 29.2 |

Note: 10 = 1/2" Hub, 15 = 3/4" Hub, 20 = 1" Hub



F Series Single Gang Deep Boxes

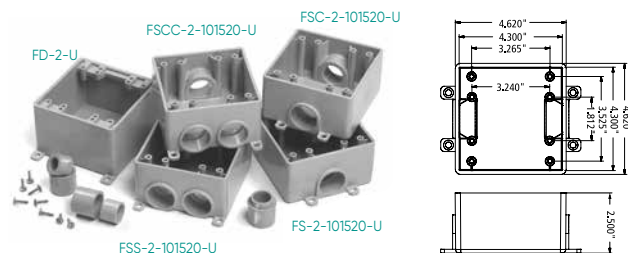
Now available: Scepter® PVC F-Series Single Gang Deep Boxes for use with self-taping, stainless steel screws. These boxes are ideal for use in environments where corrosion is an issue.

| Size (in) | Volume (in) | Part Number | Product Code |
|-------------|-------------|--------------|--------------|
| 1/2, 3/4, 1 | 26.8 | FDS 101520ST | 077847 |
| 1/2, 3/4, 1 | 26 | FDC 101520ST | 077849 |

F Series Double Gang Boxes

FS-2-U cu.in. = 38.5, FSC-2-U & FSS-2-U cu.in. = 37.0, FSCC-2-U cu.in. = 35.0, FD-2-U cu.in. = 47.5

| Hub Size (in) | Part Number | Product Code | OD (inches) | | |
|---------------|-----------------|--------------|-------------|------|-----|
| | | | H | W | D |
| 1/2, 3/4, 1 | FS-2-101520-U | 077364 | 4.62 | 4.62 | 2.5 |
| 1/2, 3/4, 1 | FSC-2-101520-U | 077368 | 4.62 | 4.62 | 2.5 |
| 1/2, 3/4, 1 | FSS-2-101520-U | 077372 | 4.62 | 4.62 | 2.5 |
| 1/2, 3/4, 1 | FSCC-2-101520-U | 077369 | 4.62 | 4.62 | 2.5 |
| Blank | FD-2-U | 077649 | 4.62 | 4.62 | 3.0 |



F Series Triple Gang Boxes

FS-3 cu.in. = 56.0, FSC-3 cu.in. = 54.0

| Hub Size (in) | Part Number | Product Code | OD (inches) | | |
|---------------|--------------|--------------|-------------|-----|-----|
| | | | H | W | D |
| 1/2, 3/4, 1 | FS-3-101520 | 077337 | 4.5 | 6.6 | 2.5 |
| 1/2, 3/4, 1 | FSC-3-101520 | 077438 | 4.5 | 6.6 | 2.5 |
| Blank | FD-3 | 077737 | 4.5 | 6.6 | 3.0 |



Note: All F series & octagonal boxes are supplied with integral mounting feet, threaded brass inserts and grounding clips unless otherwise noted.

Nonmetallic Floor Box, Cover & Metal Cover Adapter

Scepter's floor box and duplex receptacle covers are constructed from high impact, noncorroding and nonconducting PVC.

The flush-mount covers are available in custom colors and are shipped with a leveling ring. Metal cover adapter kits are also available, allowing you to adapt to metal floor plates. Our 6" deep floor box allows flexibility for various concrete floor pours, while the 4-3/4" width offers easy access and ample wire room. Scepter's FB box is molded with 2 - 1" and 2 - 3/4" hub openings.

| Description | Product Code | Part Number |
|-------------|--------------|-------------|
|-------------|--------------|-------------|

Floor Box Base

(Includes disposable protective cap & reducer plugs)

| | |
|--------|----|
| 076954 | FB |
|--------|----|



FB

Floor Box Base c/w Leveling Ring Adapter

(includes disposable protective cap, reducer plugs & leveling ring adapter)

| | |
|--------|-------|
| 077068 | FBKIT |
|--------|-------|



FBK-Kit

Floor Box Stand Kit (includes FB Box)

(is equipped with several height brackets which accommodate the different rebar and post-tension cable heights and slab depths found from job-site to job-site.)

| | |
|--------|--------|
| 077700 | FBSKIT |
|--------|--------|



FBS-Kit

Metal Cover Adapter Kit

(includes leveling ring, metal cover adapter & 2 gaskets)

| | |
|--------|------|
| 076953 | AFMC |
|--------|------|



AFMC

Universal Leveling Ring Adapter

| | |
|--------|-------|
| 076606 | LRA-U |
|--------|-------|



LRA-U

Floor Box Duplex Receptacle Cover (Nonmetallic)

(includes flush mount cover, blank cover & gasket)

| | | |
|--------------|--------|---------|
| Brown | 076955 | FBDRCB |
| Gold | 076949 | FBDRCG |
| Grey | 076600 | FBDRCGr |
| Light Almond | 076605 | FBDRCA |



FBDR

Tri-Service Universal Divider Kit

(includes upper & lower dividers, riser tube & two grommets)

| | |
|--------|-------|
| 077948 | FBUDK |
|--------|-------|



FBUDK

Y Connector (3/4")

| | |
|--------|------|
| 077499 | FBYC |
|--------|------|



FBYC

All boxes are shipped complete with reducer plugs for added versatility.

Brass and Nickel Cover Plates

These cover plates help to protect enclosed power data and communications wiring from daily environmental floor conditions such as mopping (UL scrub water tested) and foot traffic (UL approved for cover loading).

The covers feature a light lacquer finish for extra strength and durability in high traffic areas and include a rubber gasket and aluminum backing plate to create a water-tight seal. The flush mount cover plates should be installed to the floor box using the LRA-U.



Nickel Cover Plates

| Description | Part Number | Product Code |
|---|-------------|--------------|
| Duplex Receptacle Cover with Dual Flip Lid | DFL-2-N | 178279 |
| Duplex Receptacle Cover with Individual Screw Plug Openings | SSC-N | 178278 |
| Combination 2" x 1/2" Single Screw Plug Opening | DSC-N | 178280 |



DFL-2-N



SSC-N



DSC-N

Brass Cover Plates

| Description | Part Number | Product Code |
|---|-------------|--------------|
| Duplex Receptacle Cover with Dual Flip Lid | DFL-2 | 178096 |
| Duplex Receptacle Cover with Individual Screw Plug Openings | SSC | 178093 |
| Combination 2" x 1/2" Single Screw Plug Opening | DSC | 178091 |
| Combination 2" x 1/2" Single Screw Plug and 1/2" Datacomm Opening | DSC-P/C | 178092 |



DFL-2



SSC



DSC-N

IPEX 100 PVC Conduit Solvent Cement

| Size | Part Number | Product Code |
|------------------|-------------|--------------|
| 250ml (1/2 Pint) | S100PT5 | 078883 |
| 500ml (Pint) | S100PT | 078884 |
| 1L (Quart) | S100QT | 078885 |
| *4L (Gallon) | S100GAL | 078887 |



Cold Weather / Wet Weather Cement

| Size | Part Number | Product Code |
|--------------|-------------|--------------|
| 500ml (Pint) | CWC10 | 078503 |
| 1L (Quart) | CWC20 | 078886 |

IPEX 100T Primer – Clear

| Size | Part Number | Product Code |
|--------------|-------------|--------------|
| 500ml (Pint) | C100PT | 078174 |
| 1L (Quart) | C100QT | 078175 |



IPEX Primer – Purple

| Size | Part Number | Product Code |
|------------|-------------|--------------|
| 1L (Quart) | PRMP20 | 078054 |

Average # of Joints per Pint or Quart of Cement

| Nominal Pipe Size inches | # of Joints / Pint | # of Joints / Quart | Nominal Pipe Size inches | # of Joints / Pint | # of Joints / Quart |
|--------------------------|--------------------|---------------------|--------------------------|--------------------|---------------------|
| 1/2 | 350 | 700 | 2-1/2 | 40 | 80 |
| 3/4 | 200 | 400 | 3 | 35 | 70 |
| 1 | 150 | 300 | 3-1/2 | 30 | 60 |
| 1-1/4 | 110 | 220 | 4 | 24 | 48 |
| 1-1/2 | 80 | 160 | 5 | 10 | 20 |
| 2 | 45 | 90 | 6 | 8 | 16 |

Octagonal Boxes*

Octagonal Boxes are shipped complete with cover, gasket, 4 reducing bushings (3/4" x 1/2") and 3 knock-out plugs to be installed from inside box to seal off unused entry hubs.



| Size (in) | Part Number | Hub Size (in) | Product Code |
|-----------|-------------|---------------|--------------|
| 4 x 1-1/2 | OB15/10 | 1/2 – 3/4 | 077983 |
| 4 x 2-1/8 | OB20 | 1 | 077984 |

Octagonal Box Extension Rings*

| Size (in) | Part Number | Product Code |
|------------|-------------|--------------|
| 4 x 1 deep | XR20 | 077989 |
| 4 x 2 deep | XR35 | 077990 |



* Octagonal Boxes are not designed for supporting luminaries. Note: All F series & octagonal boxes are supplied with integral mounting feet, threaded brass inserts and grounding clips

Threaded Round Box

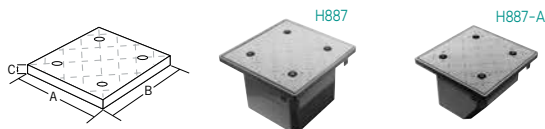
Scepter's Threaded Junction Boxes are corrosion resistant, non-conductive and incorporate high-temperature silicone gaskets and brass hardware to withstand extreme temperature variations. Manufactured from glass-reinforced thermoplastic polyester resin, these boxes can endure extreme temperatures (material temperature range -40°F to +302°F).

| Size (in) | Part Number | Product Code |
|--|-------------|--------------|
| 4 - 3/4" Threaded Hubs | LFB150C | 077250 |
| 4 - 3/4" Threaded Hubs c/w 1/2" Threaded Hole in Cover | LFB150T | 077251 |



Flanged Box with Fiber-Reinforced Safety Tread Cover

Scepter's JB Flanged 'H' Series Junction Boxes feature a fiber-reinforced safety tread cover which uses a recessed Hex Key fastening hardware for a simple installation while reducing the opportunity for tampering. These boxes are not UL Listed and are not returnable.



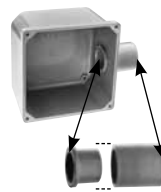
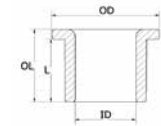
| Part Number | Product Code | Box ID (in) | | | Lid Dimensions (in) | | |
|-------------|--------------|-------------|---|-------|---------------------|------|------|
| | | L | W | D | A | B | C |
| H664 | 077685 | 6 | 6 | 4-1/4 | 9.0 | 9.0 | 0.60 |
| H666 | 077686 | 6 | 6 | 6-1/4 | 9.0 | 9.0 | 0.60 |
| H884 | 077687 | 8 | 8 | 4-1/4 | 11.5 | 11.5 | 0.75 |
| H886 | 077688 | 8 | 8 | 6-1/4 | 11.5 | 11.5 | 0.75 |
| H887 | 077689 | 8 | 8 | 7-1/4 | 11.5 | 11.5 | 0.75 |
| H887-A | 077692 | 8 | 8 | 7-1/4 | 11.5 | 11.5 | 0.75 |

Fabricated Boxes

Unflanged PVC fabricated boxes of any size may be made to customers' specifications and come complete with lids, gaskets and screws. These boxes are not UL Listed and are not returnable.

Junction Box Adapters

Junction Box Adapters, installed using a standard PVC coupling, offer a trouble-free and reliable PVC connection. In addition to providing a strong connection, the JBA also maximizes the interior box wiring space unlike the use of male adapters (TA) and facilitates wire pulling - the smooth internal edges limiting the potential for wire damage.



Junction Box Adapter
Standard PVC Coupling

| Size (in) | Part Number | Product Code | ID | OD (inches) | L (inches) | OL |
|-----------|-------------|--------------|------|-------------|------------|------|
| 1/2 | JBA10 | 077721 | 0.62 | 1.20 | 0.81 | 0.95 |
| 3/4 | JBA15 | 077722 | 0.79 | 1.40 | 0.87 | 1.01 |
| 1 | JBA20 | 077723 | 1.00 | 1.58 | 0.89 | 1.06 |
| 1-1/4 | JBA25 | 077724 | 1.35 | 1.98 | 1.12 | 1.30 |
| 1-1/2 | JBA30 | 077725 | 1.59 | 2.37 | 1.10 | 1.33 |
| 2 | JBA35 | 077726 | 2.05 | 2.85 | 1.25 | 1.54 |
| 2-1/2 | JBA40 | 077727 | 2.45 | 3.34 | 1.68 | 1.99 |
| 3 | JBA45 | 077728 | 3.05 | 3.10 | 1.77 | 2.11 |
| 3-1/2 | JBA50 | 077729 | 3.54 | 4.50 | 2.09 | 2.41 |
| 4 | JBA55 | 077730 | 4.02 | 5.03 | 1.99 | 2.30 |

Junction box and couplings sold separately

PVC Molding Junction Boxes

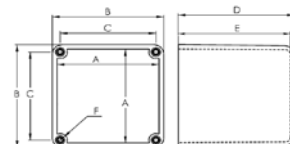
Junction boxes are supplied with threaded brass inserts, brass screws, PVC gasketing and mounting feet. Nylon and stainless steel screws, and larger sizes of fabricated junction boxes, are available upon request.

(F = Threaded brass insert size.)



Scepter PVC junction boxes are:

NEMA 1, 2, 3, 4, 4X, 6P, 12, 13
UL listed for wet locations



| Size (in) | Part Number | Part Number | A | B (inches) | C |
|-----------|-------------|-------------|-------|------------|-------|
| 4x4x2 | JB442 | 077659 | 3.71 | 4.05 | 3.42 |
| 4x4x4 | JB444 | 077696 | 3.65 | 4.00 | 3.43 |
| 4x4x6 | JB446 | 077669 | 3.65 | 4.02 | 3.43 |
| 5x5x2 | JB552 | 077670 | 4.66 | 5.00 | 4.50 |
| 6x6x4 | JB664 | 077697 | 6.08 | 6.41 | 5.80 |
| 6x6x6 | JB666 | 077698 | 6.02 | 6.38 | 5.80 |
| 8x8x4 | JB884 | 077664 | 8.06 | 8.60 | 7.95 |
| 8x8x7 | JB887 | 077671 | 8.10 | 8.60 | 7.95 |
| 12x12x4 | JB12124 | 077672 | 11.93 | 12.48 | 11.84 |
| 12x12x6 | JB12126 | 077666 | 11.97 | 12.36 | 11.80 |
| 12x12x8 | JB12128 | 077668 | 11.90 | 12.50 | 11.84 |

| Size (in) | Part Number | Part Number | D | E (inches) | F |
|-----------|-------------|-------------|------|------------|--------|
| 4x4x2 | JB442 | 077659 | 2.15 | 1.99 | 8-32 |
| 4x4x4 | JB444 | 077696 | 4.17 | 4.02 | 8-32 |
| 4x4x6 | JB446 | 077669 | 6.23 | 6.00 | 8-32 |
| 5x5x2 | JB552 | 077670 | 2.00 | 1.85 | 8-32 |
| 6x6x4 | JB664 | 077697 | 4.20 | 4.00 | 8-32 |
| 6x6x6 | JB666 | 077698 | 6.00 | 6.21 | 8-32 |
| 8x8x4 | JB884 | 077664 | 4.18 | 3.97 | 1/4-20 |
| 8x8x7 | JB887 | 077671 | 7.24 | 7.00 | 1/4-20 |
| 12x12x4 | JB12124 | 077672 | 4.26 | 4.00 | 1/4-20 |
| 12x12x6 | JB12126 | 077666 | 6.25 | 5.99 | 1/4-20 |
| 12x12x8 | JB12128 | 077668 | 8.24 | 7.96 | 1/4-20 |

The RIGHT BOX for the RIGHT Environment



Scepter JBox has expanded its offering to include 14" and 16" molded PVC junction boxes...the LARGEST available anywhere!

FEATURES & BENEFITS


- NEMA 1,2,3R,4,4X,12,13
- 100% Nonmetallic
- Hand-close fastener tabs
- Back panels available for sizes 6" and up



Scepter JBox

Introducing the Scepter® JBox™, the Next Generation Junction Box. The original junction box is completely redesigned and features have been added to make this the easiest box to use. The patent pending integral gasket, non-metallic fasteners, molded mounting feet, embossed grid-lines and flat cover features have been engineered to provide a contractor-friendly junction box.

NEMA Rated: 1,2,3R,4,4X,6*,6P*,12,13.

*Applies only to 4" to 12" non-hinged covers 

FEATURES & BENEFITS

Hand-Close Fasteners

- Close by hand – tool assist to open
- 100% non-metallic – corrosion resistant material
- No loose hardware for easy installation

Smooth Flat Cover

- No ribs – offers a flat, smooth surface for mounting of devices or labels

Integrated Gasket

- Injection molded and extruded gaskets permanently fixed to the cover – no installation required
- Proprietary gasket material creates a 6P rated enclosure (4" – 12")
- Neoprene gasket material creates a 4X rated enclosure (14" – 16")

Molded Mounting Feet

- Molded – no loose parts to assemble
- Located on corners out of the way of conduit connections
- Flush with the back of the box for close surface mounting
- Integrated design of mounting feet offers improved strength

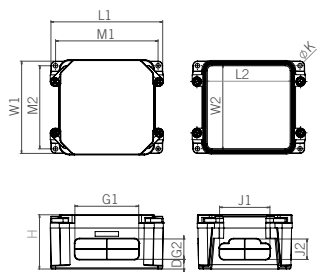
Built-in Gridlines

- Easy reference for drilling knockouts
- Makes conduit alignment a snap

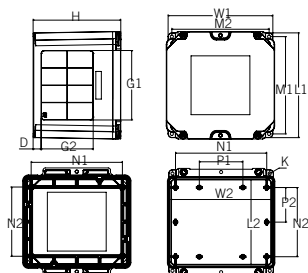


| Size inches | Part Number | Product Code | L1 | W1 | L2 | W2 | H | M1 inches | M2 | G1 | G2 | J1 | J2 | D | K |
|-------------|-------------|--------------|------|------|------|------|------|-----------|------|------|------|------|------|------|------|
| 4x4x2 | JBX442 | 277000 | 4.97 | 3.93 | 3.48 | 3.48 | 2.90 | 4.48 | 3.44 | 2.41 | 1.09 | 1.72 | 1.09 | 0.51 | 0.24 |
| 4x4x4 | JBX444 | 277001 | 4.90 | 3.86 | 3.48 | 3.48 | 4.89 | 4.41 | 3.37 | 2.22 | 2.97 | 1.59 | 2.97 | 0.59 | 0.24 |
| 5x5x2 | JBX552 | 277002 | 5.97 | 4.93 | 4.55 | 4.55 | 2.90 | 5.48 | 4.44 | 3.41 | 1.09 | 2.69 | 1.09 | 0.51 | 0.24 |
| 6x3x4 | JBX634 | 277003 | 3.90 | 5.86 | 2.48 | 5.48 | 4.89 | 3.41 | 5.37 | 1.22 | 2.72 | 3.42 | 2.72 | 0.59 | 0.28 |
| 6x6x4 | JBX664 | 277004 | 7.58 | 7.58 | 5.86 | 7.20 | 4.90 | 6.90 | 6.90 | 4.47 | 2.47 | 4.47 | 2.47 | 0.59 | 0.28 |
| 6x6x6 | JBX666 | 277005 | 7.51 | 7.51 | 5.79 | 7.13 | 6.90 | 6.83 | 6.83 | 4.22 | 4.47 | 4.22 | 4.47 | 0.72 | 0.28 |

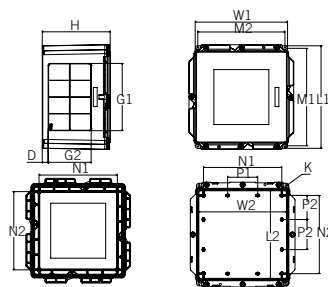
| Size inches | Part Number | Product Code | L1 | W1 | L2 | W2 | H | M1 inches | M2 | G1 | G2 | N1 | N2 | P1 | P2 | D | K |
|-------------|-------------|--------------|-------|-------|-------|-------|------|-----------|-------|-------|------|-------|-------|------|------|------|------|
| 8x8x4 | JBX884 | 277006 | 9.58 | 9.58 | 7.86 | 9.20 | 4.90 | 8.90 | 8.90 | 6.47 | 1.97 | 8.25 | 6.26 | 3.94 | 3.13 | 0.59 | 0.28 |
| 8x8x7 | JBX887 | 277007 | 9.47 | 9.47 | 7.76 | 9.10 | 7.90 | 8.80 | 8.80 | 6.22 | 4.65 | 8.25 | 6.26 | 3.94 | 3.13 | 0.75 | 0.28 |
| 12x12x4 | JBX12124 | 277008 | 13.58 | 12.24 | 11.74 | 11.74 | 4.90 | 12.90 | 11.56 | 9.28 | 2.03 | 10.26 | 10.25 | 3.94 | 3.13 | 0.56 | 0.28 |
| 12x12x6 | JBX12126 | 277009 | 13.51 | 12.17 | 11.74 | 11.74 | 6.90 | 12.83 | 11.49 | 9.03 | 3.78 | 10.26 | 10.25 | 3.94 | 3.13 | 0.67 | 0.28 |
| 12x12x8 | JBX12128 | 277010 | 13.44 | 12.10 | 11.74 | 11.74 | 8.90 | 12.76 | 11.42 | 8.81 | 5.64 | 10.26 | 10.25 | 3.94 | 3.13 | 0.76 | 0.28 |
| 14x14x8 | JBX14148 | 277011 | 15.72 | 14.39 | 13.80 | 13.80 | 9.1 | 15.1 | 13.70 | 11.05 | 5.69 | 12.25 | 10.26 | 3.94 | 3.16 | 0.83 | 0.33 |
| 14x14x10 | JBX141410 | 277012 | 15.66 | 14.32 | 13.80 | 13.80 | 11.1 | 15.0 | 13.64 | 11.05 | 7.55 | 12.25 | 10.26 | 3.94 | 3.16 | 0.83 | 0.33 |
| 16x16x10 | JBX161610 | 277013 | 17.64 | 16.30 | 15.71 | 15.71 | 11.1 | 17.0 | 15.60 | 12.55 | 7.55 | 14.25 | 12.26 | 4.71 | 4.09 | 0.83 | 0.33 |



JBX442 - JBX666



JBX884 - JBX887



JBX12124 - JBX161610

Scepter JBox with Hinged Cover

The Hinged Cover opens up to 214° and are removable for complete and easy access to control devices and instrumentation. The Scepter JBox Hinged Cover is NEMA 3R and 4X rated, ideally suited for indoor and outdoor industrial, MRO and OEM applications, and in wash-down environments. It is 100% nonmetallic and includes all the features that users have come to appreciate in the Scepter JBox.



NEMA Rated: 1,2,3R,4,4X,12,13

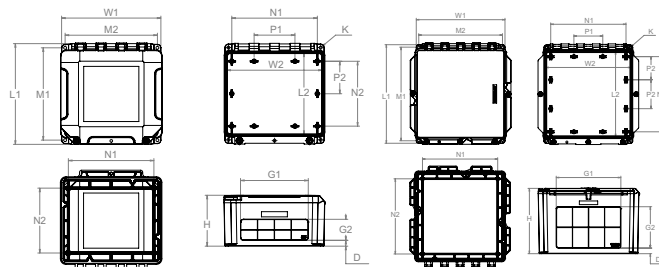
| Size inches | Part Number | Product Code | L1 | W1 | L2 | W2 | H | M1 | M2 | G1 | G2 | N1 | N2 | P1 | P2 | D | K |
|-------------|-------------|--------------|-------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|------|------|------|------|
| 8x8x4 | JBXH884 | 277100 | 9.58 | 9.58 | 7.86 | 9.2 | 4.9 | 8.9 | 8.9 | 6.47 | 1.97 | 8.25 | 6.26 | 3.94 | 3.13 | 0.59 | 0.28 |
| 8x8x7 | JBXH887 | 277101 | 9.47 | 9.47 | 7.86 | 9.2 | 7.9 | 8.9 | 8.9 | 6.22 | 4.65 | 8.25 | 6.26 | 3.94 | 3.13 | 0.75 | 0.28 |
| 12x10x6 | JBXH12106 | 277102 | 11.51 | 12.17 | 9.67 | 11.67 | 6.9 | 10.8 | 11.49 | 8.03 | 3.78 | 10.25 | 8.26 | 3.94 | 2.16 | 0.67 | 0.28 |
| 12x12x4 | JBXH12124 | 277103 | 13.58 | 12.24 | 11.74 | 11.74 | 4.9 | 12.9 | 11.56 | 9.28 | 2.03 | 10.26 | 10.25 | 3.94 | 3.13 | 0.56 | 0.28 |
| 12x12x6 | JBXH12126 | 277104 | 13.51 | 12.17 | 11.74 | 11.74 | 6.9 | 12.83 | 11.49 | 9.03 | 3.78 | 10.26 | 10.25 | 3.94 | 3.13 | 0.67 | 0.28 |
| 12x12x8 | JBXH12128 | 277105 | 13.44 | 12.10 | 11.74 | 11.74 | 8.9 | 12.76 | 11.42 | 8.81 | 5.64 | 10.26 | 10.25 | 3.94 | 3.13 | 0.76 | 0.28 |
| 14x14x8 | JBXH14148 | 277106 | 15.72 | 14.39 | 13.80 | 13.80 | 9.1 | 15.10 | 13.70 | 11.05 | 5.69 | 12.25 | 10.26 | 3.94 | 3.16 | 0.83 | 0.33 |
| 14x14x10 | JBXH141410 | 277107 | 15.66 | 14.32 | 13.80 | 13.80 | 11.1 | 14.98 | 13.64 | 11.05 | 7.55 | 12.25 | 10.26 | 3.94 | 3.16 | 0.83 | 0.33 |
| 16x16x10 | JBXH161610 | 277108 | 17.64 | 16.30 | 15.71 | 15.71 | 11.1 | 17.0 | 15.60 | 12.55 | 7.55 | 14.25 | 12.26 | 4.71 | 4.09 | 0.83 | 0.33 |

Scepter JBox Pole Mounting Kit

- Available in either galvanized or stainless steel (SS)
- Supplied as complete kits (sold separately)
- Works with wood, concrete, steel and composite poles
- Installs on round, square & octagonal poles up to 15"



| Part Number | Product Code | Fits JBox |
|-------------|--------------|------------|
| PMK4-12 | 077940 | 4" to 12" |
| PMK4-12SS | 077946 | 4" to 12" |
| PMK14-16SS | 277086 | 14" to 16" |

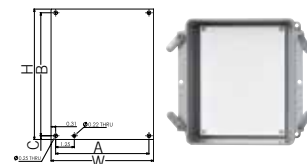


JBXH884 - JBXH887

JBXH12106 - JBXH161610

Scepter JBox Back Panels

- Made of 14 gauge carbon steel
- White epoxy powder-coated finish
- Easy to cut and drill to mount devices



| Size inches | Part Number | Product Code | W | H | A | B | C |
|-------------|-------------|--------------|-------|-------|-------|-------|------|
| 6x6 | BP66CSW | 077864 | 4.88 | 6.75 | 4.26 | 6.25 | 0.25 |
| 8x8 | BP88CSW | 077861 | 6.88 | 8.75 | 6.26 | 8.25 | 0.25 |
| 12x10 | BP1210CSW | 077862 | 8.88 | 10.75 | 8.26 | 10.25 | 0.25 |
| 12x12 | BP1212CSW | 077865 | 10.88 | 10.75 | 10.26 | 10.25 | 0.25 |
| 14x14 | BP1414CSW | 077867 | 10.88 | 12.75 | 10.26 | 12.25 | 0.25 |
| 16x16 | BP1616CSW | 077868 | 12.88 | 14.75 | 12.26 | 14.25 | 0.25 |

EPR Kits for Conduit Repair

EPR Kits from IPEX are the first total repair systems for broken and damaged PVC conduit. They offer fast and easy repairs for damaged conduit caused by actions such as earth excavation, horizontal and core drilling.

All sizes are 24 inches in length.



| Size (in) | Part Number | Product Code | Length (in) |
|-----------|-------------|--------------|-------------|
| 1-1/4 | EPR25 | 077982 | 24 |
| 1-1/2 | EPR30 | 077981 | 24 |
| 2 | EPR35 | 077980 | 24 |
| 2-1/2 | EPR40 | 077960 | 24 |
| 3 | EPR45 | 077958 | 24 |
| 4 | EPR55 | 077957 | 24 |
| 5 | EPR60 | 077956 | 24 |
| 6 | EPR65 | 077955 | 24 |

Repair Kit for Conduit



- ◆ Available in sizes 1-1/4" to 6"
- ◆ Restores structural integrity of conduit and duct system
- ◆ Cost savings with fast and easy installation
- ◆ Special interlocking joints provide water-tight seal
- ◆ Ideal for the repair of electrical, telecommunication, utility and CATV applications



SCEPTALIGHT: The Light That Lasts

Whether you're looking for economical outdoor lighting solutions, corrosion-resistant fixtures for punishing industrial environments or energy-saving LED, Sceptalight fixtures from IPEX prove themselves to be all-round performers in a variety of indoor and outdoor applications. Sceptalight fixtures are made from a glass-reinforced thermoplastic polyester resin, which enable them to stand up better to corrosive elements than metal. This thermoplastic design marries an unrivaled balance of strength, stiffness and toughness with all the benefits users appreciate of Scepter Rigid PVC Conduit and Fittings – long life, easy servicing and high impact-resistance.

Sceptalight's thermoplastic construction offers outstanding corrosion and chemical resistance. Silicone gaskets in Sceptalight fixtures – mounted at the base of the globe and within the ceiling box – provide a water- and vapour-tight seal which protects the electrical connections inside.

Wherever you need a lighting fixture that can withstand exposure to chemicals, fluids or harsh physical conditions, you'll find a home for Sceptalight.

Features and Benefits

Available in LED, compact fluorescent and incandescent to suit a variety of applications

- Stable Construction
- Adaptable
- Watertight Seal
- Long Life
- Indoor/Outdoor Use
- Corrosion Resistant
- Durable, Impact Resistant



Wet Locations

C22.2 No. 250
CSA Listed to UL 1598
Minimum 60°C supply conductors

CSA certified for wet locations, Sceptalight fixtures are built to withstand any environment where liquids drip, splash or flow against electrical equipment. And our polycarbonate globes are an excellent alternative to glass in punishing environments where high impact resistance is important. Sceptalight fixtures can operate in extreme temperatures and are resistant to damaging ultraviolet rays. For years, our fixtures have been proven performers on docks, wharfs, decks, walkways, shipyards and a variety of other applications where exposed to the elements.

LIGHT OPTIONS

| | |
|---------------------|---|
| LED | ✓ |
| Incandescent | ✓ |
| Compact Fluorescent | ✓ |



Hazardous Locations

CSA Listed to UL 844
CLASS I, DIV 2 Groups A, B, C & D
CLASS II, DIV 2 Groups F & G
Minimum 90°C supply conductors

Sceptalight offers fixtures that are CSA certified for hazardous locations, making them the ideal choice for specific harsh industrial environments involving flammable or explosive gases, vapours or dust. In addition to their sturdy construction, all our fixtures rated for hazardous locations include a heat-treated globe designed to endure drastic temperature changes such as direct spray of cool water on a hot fixture. Sceptalight fixtures are equipped with brass screws and inserts to ensure performance in punishing industrial conditions.

LIGHT OPTIONS

| | |
|-----|---|
| LED | ✓ |
|-----|---|

Sceptalight LED



Introducing three Sceptalight LED products: the LED Retrofit Light Engine, the Heavy-Duty LED Light Fixture and the Utility LED Light Fixture. Sceptalight LEDs offer significant energy savings, up to 85% compared to incandescent, and up to 34% compared to fluorescents. Moreover, Sceptalight LEDs can last beyond 50,000 hours without a single need for maintenance.

Constructed of very strong and durable materials, the polycarbonate globe is impact resistant and is resistant to UV light degradation. The specially designed aluminum heat sink dissipates the heat generated by the LEDs to the exterior environment ensuring long-life and optimal performance in both hot and cold environments. Sceptalight LEDs have been tested and certified for use in indoor, outdoor, wet location, wash down, corrosive and hazardous* environments. They are certified to the latest LED light fixture standards and NEMA 4X approved.

* LVFP-LED-HAZ only

Retrofit Option

Sceptalight LEDs can easily retrofit onto existing installations for increased energy savings

Dimmable

Lights are dimmable down to 5% for maximum control of the lighting environment

Corrosion Resistant

Heat sink is coated with a durable e-coat layer that prevents corrosion

NEMA 4X and IP66 Rated

Approved for wet locations, wash down and corrosive environments

Heat Dissipation

Specially designed heat sink ensures long life and optimum performance for over 50,000 hours

Energy Efficient

1,575 lumens of light output is produced with only 15 Watts of electricity

Polycarbonate Globe

Impact and weather resistant for tough environments

Sceptalight COMPACT FLUORESCENT



Sceptalight Compact Fluorescent fixtures combine the outstanding corrosion and chemical resistance of their thermoplastic design with the energy-saving advantages of compact fluorescents. Working four to five times more efficiently per watt than incandescents, Sceptalight compact fluorescents provide 10-20 times the lamp life. Without sacrificing light levels, they use 75% less energy than incandescents for a lower total energy and maintenance cost. They are available in twin tube and quad tube configurations and include ballast.

Quad Tubes

- Available in 18 & 26 Watt
- Electronic Ballast provides "Instant Start" at temps as low as -25°C
- Offers 10,000 hours of lamp life

Stable Construction

Reinforced support feet offer secure mounting

Adaptable

Threaded conduit hubs permit connection to nonmetallic and metallic raceways

Watertight Seal

Threaded conduit hubs permit connection to nonmetallic and metallic raceways

Long Life

Sceptalight nonmetallic fixtures provide long life and easy servicing—unlike metal fixtures and guards that can corrode and seize together

Indoor/Outdoor Use

Sceptalight nonmetallic fixtures provide long life and easy servicing—unlike metal fixtures and guards that can corrode and seize together

Corrosion Resistant

Thermoplastic construction resists attack from acids, alcohols, alkalis, organic solvents, detergents/cleaners, greases and oils as well as many other types of chemicals. Withstands exposure to direct sunlight, heat, and extreme weather

Durable, Impact Resistance

High-impact nonmetallic guard resists physical impact, chemical attack and heat-induced deformation

Sceptalight INCANDESCENT



Sceptalight incandescent fixtures make the most practical choice to meet the daily needs of commercial, industrial, marine and agricultural applications. Our incandescents will take up to a 150 watt incandescent bulb and are ideal for short burn times as well as flashing and dimming applications.

For light to medium duty applications that do not require the same level of ruggedness, Sceptalight has a low-cost ceiling-mounted Utility Light Fixture available in standard, clear polycarbonate and coloured heat-resistant globes.

Installation Flexibility

Fixtures can be mounted in ceiling, wall or pendant methods to accommodate installation requirements

Indoor/Outdoor Use

Temperature and weather-resistant gaskets protect fixture from moisture penetration

Cost Effective Solution

Inexpensive to install, the fixture takes up to a 150 watt incandescent bulb

Adaptable Lighting Environments

Ideal for short burn times, flashing & dimming applications

Coloured Globes Available

Available in a range of coloured heat-resistant globes to transform the light into an indicator or warning light

Corrosion Resistant

Thermoplastic construction withstands exposure to direct sunlight, heat & extreme weather



Wet Location Use

| Ceiling Mount w/ Frosted Polycarbonate Globe | | Part Number | Product Code | Hub Sizes |
|--|-------------------------------|--------------|--------------|----------------------|
| 15W | LED Retrofit Light Engine | LLED-15 | 277120 | - |
| 15W | LVPF Heavy Duty Light Fixture | LVPF-LED-HAZ | 277121 | 4 x 3/4" |
| 15W | LVPE Utility Light Fixture | LVPE-LED | 277122 | 2 x 1/2" to 2 x 3/4" |

| Ceiling Mount w/ Standard Clear Glass Globe | | Part Number | Product Code | Hub Sizes |
|---|---------------------|-------------|--------------|-----------|
| 26W | Compact Fluorescent | LVPL26C | 077170 | 4 x 3/4" |
| 18W | Compact Fluorescent | LVPL18C | 077210 | 4 x 3/4" |

| Ceiling Mount w/ Clear Polycarbonate Glass Globe (no guard) | | Part Number | Product Code | Hub Sizes |
|---|---------------------|-------------|--------------|-----------|
| 26W | Compact Fluorescent | LVPL26PCC | 077176 | 4 x 3/4" |
| 18W | Compact Fluorescent | LVPL18PCC | 077211 | 4 x 3/4" |

| Wall Mount Bracket (for WET Locations) | Part Number | Product Code |
|--|-------------|--------------|
| | LWB150 | 077233 |

For wall mount fixtures select and order the appropriate style (wattage and globe) ceiling mount fixture from above and add LWB150 Wall Mount bracket

| Ceiling Utility Light Fixture 150 Watt Incandescent | Part Number | Product Code |
|---|---------------|--------------|
| w/ Clear Glass Globe | LVPE150-10/15 | 077493 |
| w/ Polycarbonate Globe | LVPE150-PCC* | 077181 |
| w/ Standard glass globe & guard Maximum 60W incandescent lamp with polycarbonate globe | LVPE150-1015G | 077402 |
| w/ Heat-resistant glass globe RED | LVPE150-HRR | 077599 |
| w/ Heat-resistant glass globe BLUE | LVPE150-HRB | 077579 |
| Clamp-on guard for LVPE | LVPU150 | 077558 |

Hub Sizes for these Light Fixtures are 2 x 1/2" to 2 x 3/4"



Hazardous Locations

| Ceiling Mount w/ Frosted Polycarbonate Globe | Part Number | Product Code | Hub Sizes |
|--|--------------|--------------|-----------|
| 15W LVPF Heavy Duty Light Fixture | LVPF-LED-HAZ | 277121 | 4 x 3/4" |

All hazardous location fixtures are rated CLASS I, DIV 2 Groups A, B, C & D and CLASS II DIV 2 Groups F & G.

Designed for wet conditions, wash down and corrosive environments

ipexna.com

IPEX
by allouis

Sceptalight
Nonmetallic Light Fixtures

Accessories & Components

Standard Glass Globes

| Description | Part Number | Product Code |
|-------------|-------------|--------------|
| Clear | LGC150 | 077247 |


Heat Resistant Globes

| Description | Part Number | Product Code |
|-------------|-------------|--------------|
| Clear | LG150T | 077909 |
| Red | LCGR150T | 077239 |
| Blue | LCGB150T | 077910 |

Polycarbonate Globes (for use with compact fluorescent or maximum 60W incandescent lamp)

| Description | Part Number | Product Code |
|-------------|-------------|--------------|
| Clear | LPCC18 | 077911 |
| Red | LPCR18 | 077912 |

Threaded Junction Boxes

| | Part Number | Product Code |
|--|-------------|--------------|
|  | LFB150C | 077250 |
| | LFB150T * | 077251 |

*LFB150T complete with 1/2 threaded" hole in center of cover

Fixture Components (LVPF, LVPL, LPMF, LPPL)

| Description | Part Number | Product Code |
|-------------------|-------------|--------------|
| Ceiling Mount Box | LVPB 150 | 077243 |
| Pendant Mount Cap | LPC 150 | 077246 |
| 90 Wall Bracket | LWB 150 | 077233 |

Replacement Lamp Holders

| Description | Part Number | Product Code |
|-----------------------------|-------------|--------------|
| 18 Watt Lamp Holder (4 Pin) | LLH 18 | 072818 |

Ballasts

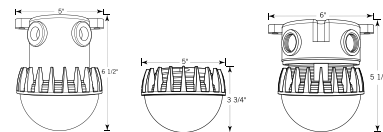
| Description | Part Number | Product Code |
|----------------------------------|-------------|--------------|
| 26 Watt Electronic Ballast (HPF) | LEB 26 | 077080 |

Gaskets

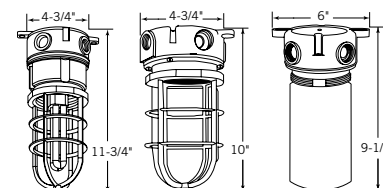
| Description | Part Number | Product Code |
|-------------|-------------|--------------|
| Box Gasket | LBGASK 150 | 072820 |

Mounting Options

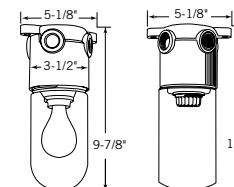
Sceptalight LED can be retrofit with Ceiling Mounts only.



Ceiling Mount Box with threaded hubs and integral mounting feet



Ceiling Mount Utility Fixtures
Box with threaded hubs and integral mounting feet



Globe Options

(For incandescent and fluorescent options only)

Standard Clear Glass Globes

Ideal for general purpose area lighting for either indoor or outdoor use.



Clear Polycarbonate



Standard or Heat-Treated Clear Glass

Clear Polycarbonate Globes

Impact resistant globes for added protection in case of accidental contact



Heat-Treated Blue Glass



Heat-Treated Red Glass

Coloured Heat-Resistant Glass Globes

Available in red or blue – to transform the light to an indicator or warning light.



We've Got You Covered

IPEX Electrical made in-slab electrical raceways faster to install by introducing the industry's first true, integrated ENT system – long lengths of flexible tubing reduce the number of couplings needed. Kwikon tubing and fittings work together to provide the most robust concrete tight ENT system on the market.



Kwikon® ENT

- Concrete-tight, requiring no solvent welding or tape around connections
- Flexible enough to be bent by hand and tough enough to withstand crushing and breaking
- Made of impact resistant PVC, so it won't break or crack

Kwikon® Slab Boxes

- All molded connectors have 360° locking tabs that exceed UL and CSA requirements for pull-out
- Threaded brass inserts



Kwikon® ENT Savings for the Long Run

Noncorroding and nonconducting, Kwikon Electrical Nonmetallic Tubing and fittings are designed *For The Long Run*. Coiled in lengths up to 1,500 feet, the Kwikon system can span the longest run. Encased in concrete, concealed in walls or ceilings, Kwikon offers the best alternative to the labor-intensive, 10' lengths of metal conduit with its couplings and scrap.

Now you can use the Kwikon ENT system for communications (yellow), fire alarm and emergency (red), as well as power (blue) applications. It comes with color-coded stripes for easy identification on 1,500 ft., 1000 ft. and 750 ft. reels. The Kwikon ENT system is the right choice.

Kwikon Fittings

Our unique Kwikon couplings, transition couplings and connectors are designed with six 360° locking tabs to ensure a secure concrete-tight connection. Should water-tight connections or transitions to Rigid PVC Conduit be required, Kwikon ENT may be joined to Rigid PVC Fittings using solvent cement. This practice of solvent welding ENT is acceptable as per NEMA TC-13 Section 3.1.2 "Joints." Normal application of solvent cement may be used inside the Rigid PVC socket while it is recommended to apply cement sparingly on the Kwikon ENT pipe end before assembly.

Time-consuming taping and solvent welding are eliminated. Kwikon fittings are permitted for use with all UL Listed and CSA certified ENT.



UL 514B, UL 514C
UL 1653



C22.2 No. 21127,
C22.2 No. 85, FT-4 Rated

Ease of Installation

Engineered for the rugged day-to-day challenges of the construction industry, Kwikon has already established itself as a market leader. Requiring no special tools for bending or cutting, Kwikon is easily installed.



Bending & Cutting

Kwikon's corrugated construction allows it to be easily bent by hand, no longer requiring special bending equipment traditionally required with metal conduit systems. When bending, ensure the radius of the curve is at least six times the internal diameter of the tubing.



Kwikon Slab Boxes

Kwikon slab boxes are available with or without molded connectors. For boxes without molded connectors, preassembly is quick and simple using our threaded male adapter with locknuts. This provides a secure concrete-tight connection.



Pre-Assembly of Metallic Boxes

Metal slab boxes can be quickly preassembled with Kwikon connectors. Secured with a locknut, Kwikon connectors provide a concrete-tight connection.



Installation in Sheer Walls, Interior Walls & Block Walls

Kwikon's flexibility, lightweight and ease of handling in metal, wood or block walls, combined with Kwikon connectors and couplings, substantially reduce time and labor needed to install electrical raceways.



Use in Ceilings

Kwikon ENT is permitted for use in ceilings where not subject to physical damage and in buildings 3 storeys or more provided the ceiling provides a 15-minute finish rating.



Exposed Work

ENT is permitted to be used for exposed work, where not subject to physical damage, in buildings not exceeding 3 floors above grade.

Pulling Wire

Kwikon's interior corrugated surface greatly reduces the amount of friction while pulling conductors through long runs, even with 90° bends.



Transition from ENT to EMT

Transition from ENT to EMT no longer requires solvent welding. Simply connect the Kwikon transition coupling to EMT with the set screw and snap on to ENT.



NEC, Article 362

Rules governing the installation of Kwikon ENT are covered in the 2014 National Electrical Code, ANSI/NFPA Article 362.



NEC, Article 331

Kwikon ENT is suitable for use with wiring having insulation rated 90°C maximum: As well as maximum and minimum ambient temperatures. Kwikon ENT systems are recognized for use in places of assembly as referenced in Articles 518 & 520.

Kwikon ENT may be installed exposed, in areas not subject to physical damage where the building does not exceed three floors above grade [(362.10 (1))].

Kwikon ENT may be concealed in floors, walls, ceilings and suspended ceilings where a thermal barrier of material has a minimum of 15-minute finish rating. *NOTE: Kwikon ENT may penetrate fire-rated walls, floors or ceilings with a UL Listed or recognized through-penetration fire-stop system.*

Fire Resistive Construction & Wall Assemblies

Kwikon ENT tubing, Kwikon fittings and Kwikon slab boxes are approved for use in noncombustible 2 hr. and 4 hr. fire rated floor-ceiling assemblies. Normal weight concrete cover must be provided of a minimum of 2-1/8" for 2 hr. assemblies and 2-3/8" for 4 hr. assemblies. [ULI File: E 78276 and ULC File: R-19226].

Kwikon ENT and Kwikon fittings have been investigated for use in a nonload-bearing wall and partition assembly. The report (ULC CR2196) concludes the wall assemblies with Kwikon ENT and fittings will provide a 2 hr. resistance to the passage of flame and dangerous transmission of heat.

Storage and Handling

- NOT to be installed, stored, or handled in cold temperatures below -20°C (-4°F).
- NOT to be stored outside

Dimensions

| Nominal Size | | Average O.D. | | Average I. D. | |
|--------------|----|--------------|------|---------------|------|
| inches | mm | inches | mm | inches | mm |
| 1/2 | 12 | 0.84 | 21.3 | 0.602 | 15.3 |
| 3/4 | 20 | 1.05 | 26.7 | 0.804 | 20.4 |
| 1 | 25 | 1.315 | 33.4 | 1.029 | 26.1 |
| 1-1/4 | 32 | 1.66 | 42.2 | 1.360 | 34.5 |
| 1-1/2 | 40 | 1.90 | 48.3 | 1.590 | 40.4 |
| 2 | 50 | 2.375 | 60.3 | 2.047 | 52.0 |
| 2-1/2 | 65 | 2.866 | 72.8 | 2.469 | 62.7 |

Kwikon ENT - Blue Stripe

| | Size (in) | Length (ft) | Product Code | Weight lbs/pkg |
|------|-----------|-------------|--------------|----------------|
| Reel | 1/2 | 1500 | 012002 | 165 |
| | 3/4 | 1000 | 012011 | 158 |
| | 1 | 750 | 012021 | 160 |
| | 1-1/4 | 1000 | 012047 | 193 |
| | 1-1/2 | 750 | 012033 | 205 |
| | 2 | 500 | 012044 | 220 |
| Coil | 2-1/2 | 325 | 012049 | 70 |
| | 1/2 | 200 | 012031 | 20 |
| | 3/4 | 100 | 012040 | 12.5 |
| | 1 | 100 | 012041 | 17 |
| | 1-1/4 | 500 | 012046 | 76 |
| | 1-1/2 | 300 | 012032 | 50.5 |
| | 2 | 225 | 012043 | 69.5 |

Wrapped in plastic, coils are easily dispensed from the center.

Kwikon ENT Reels - Color Coded

| Size (in) | Length (ft) | Product Code | | | Weight lbs/reel |
|-----------|-------------|--------------|--------|--------|-----------------|
| | | Red | Yellow | Blue | |
| 1/2 | 1500 | 012305 | 012335 | 012002 | 165 |
| 3/4 | 1000 | 012307 | 012337 | 012011 | 158 |
| 1 | 750 | 012310 | 012340 | 012021 | 160 |
| 1-1/4 | 1000 | 012037 | 012038 | 012047 | 193 |
| 1-1/2 | 750 | 012035 | 012036 | 012033 | 205 |
| 2 | 500 | 012039 | 012042 | 012044 | 220 |

Kwikon ENT - 10' Sticks with Blue Stripe

| Size (in) | Length (ft) | Product Code | Crate Qty |
|-----------|-------------|--------------|-----------|
| 1/2 | 10 | 012001 | 3,600 |
| 3/4 | 10 | 012010 | 2,200 |
| 1 | 10 | 012034 | 1,800 |

All Kwikon ENT is UL Listed for use in walls, floor slabs and ceilings, as outlined in Article 362 of the 2005 NEC Code.

Storage of Kwikon ENT Tubing

Manufacturer recommends that ENT tubing should not be stored outdoors where subjected to direct sunlight without protective covering, i.e. packaging or tarps.



E 122659



TC-13

Kwikon Coupling


| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1/2 | KC10 | 089000 |
| 3/4 | KC15 | 089001 |
| 1 | KC20 | 089002 |
| 1-1/4 | KC25 | 189670 |
| 1-1/2 | KC30 | 189671 |
| 2 | KC35 | 189672 |
| 2-1/2 | KC40 | 089075 |

Kwikon Connector For Concrete Encasement

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1/2 | KTA10 | 089006 |
| 3/4 | KTA15 | 089007 |
| 1 | KTA20 | 089008 |
| 1-1/4 | KTA25 | 189680 |
| 1-1/2 | KTA30 | 189681 |
| 2 | KTA35 | 189682 |
| 2-1/2 | KTA40 | 089076 |


Kwikon Snap-in Connector

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1/2 | KTS10 | 089146 |
| 3/4 | KTS15 | 089147 |
| 1 | KTS20 | 089148 |



Kwikon Transition Coupling

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1/2 | KTC10 | 089012 |
| 3/4 | KTC15 | 089013 |
| 1 | KTC20 | 089014 |




E 59258, E 119384




TC-13



C22.2 No. 227.1


Kwikon 90° Stub Down (Kwikon x Threaded)

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1/2 | KT90-10 | 089060 |
| 3/4 | KT90-15 | 089059 |
| 1 | KT90-20 | 089058 |




Kwikon 90° Stub Down (Kwikon x Kwikon)

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1/2 | KK90-10 | 089055 |
| 3/4 | KK90-15 | 089056 |
| 1 | KK90-20 | 089057 |




Kwikon ENT Form Stubby

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1/2 | KSTB-10 | 089330 |
| 3/4 | KSTB-15 | 089331 |
| 1 | KSTB-20 | 089332 |
| 1-1/4 | KSTB-25 | 089333 |




Kwikon ENT Multi-Link™ Form Stubby

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1/2 | MSTB-10 | 089031 |
| 3/4 | MSTB-15 | 089026 |
| 1 | MSTB-20 | 089025 |



Kwikon ENT Angled Form Stubby

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1/2 | KASTB-10 | 089233 |
| 3/4 | KASTB-15 | 089234 |
| 1 | KASTB-20 | 089235 |
| 1-1/4 | KASTB-25 | 089236 |
| 1-1/2 | KASTB-30 | 089238 |
| 2 | KASTB-35 | 089239 |
| 2-1/2 | KASTB-40 | 089240 |



The **ENT Support Unit (ESU)** raises the tubing or conduit up off the concrete form during the concrete pour maintaining a level raceway and allows for maximum aggregate flow and concrete consolidation.



Easy to use, the ESU snaps around any size of ENT. It is perfect for use in high rise buildings constructed with post-tensioned (PT) concrete slabs.

Features


- One size fits all 1/2" - 2"
- Saves time and labour
- Easy locking mechanism
- Securable to the concrete form
- Minimal footprint reduces amount of surface contact

| Part Number | Product Code |
|-------------|--------------|
| ESU-10-35 | 089149 |

Accessories


Tapered Plugs

| Size (in) | Part Number | Product Code |
|-----------|-------------|--------------|
| 1/2 | TP10 | 089003 |
| 3/4 | TP15 | 089004 |
| 1 | TP20 | 089005 |



Kwikon Cutter & Blades

| Description | Part Number | Product Code |
|--------------------|-------------|--------------|
| Cutter (1/2" - 1") | CLC20 | 089066 |
| Blades for CLC20 | SSB | 089067 |
| Cutter (1/2" - 2") | CLC35 | 089068 |
| Blades for CLC35 | SB35 | 089069 |



Kwikon Slab Boxes


Engineered to be rugged and durable, Kwikon slab boxes withstand construction's harshest environments. Designed by contractors for contractors, Kwikon slab boxes are available in two unique styles, with or without molded connectors. Now you can provide a complete, nonmetallic slab system. Priced competitively with traditional steel mud boxes, Kwikon slab boxes increase labor efficiencies, reducing costs.

Standard Slab Boxes

- Corner and traditional mounting tabs offer contractors two options when installing to the slab deck
- Angled design guides the nail into position within the trim cover area
- Ready to install – no assembly required
- Clear Vue vacuum formed removable covers


Slab Box with Molded Connectors – Vol 44 cu in.

| Hub Size (in) | Part Number | Product Code |
|-------------------------|---------------|--------------|
| 8 x 1/2 | SMBH-10 | 089465 |
| 8 x 3/4 | SMBH-15 | 089462 |
| 4 x 1/2, 4 x 3/4 | SMBH-10/15 | 089458 |
| 4 x 1/2, 2 x 3/4, 2 x 1 | SMBH-10/15/20 | 089466 |
| 4 x 3/4, 4 x 1 | SMBH-15/20 | 089464 |



Slab Box without Molded Connectors – Vol 44 cu in.

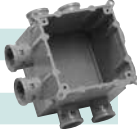
| Knockout Size (in) | Part Number | Product Code |
|-------------------------|--------------|--------------|
| 8 x 1/2 | SMB-10 | 089460 |
| 4 x 1/2, 2 x 3/4, 2 x 1 | SMB-10/15/20 | 089461 |



4" Square Slab Box

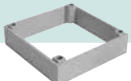
Slab Box with Molded Connectors – Vol 44 cu in.

| Hub Size (in) | Part Number | Product Code |
|-------------------------|---------------|--------------|
| 8 x 1/2 | SSBH-10 | 089467 |
| 8 x 3/4 | SSBH-15 | 089468 |
| 4 x 1/2, 2 x 3/4, | SSBH-10/15 | 089469 |
| 4 x 1/2, 2 x 3/4, 2 x 1 | SSBH-10/15/20 | 089474 |
| 4 x 3/4, 4 x 1 | SSBH-15/20 | 089475 |



Slab Box Extension Ring

| Part Number | Product Code |
|-------------|--------------|
| SMBR | 089494 |




Adjusts height of SMB/SMBH series slab boxes by 1"

Shallow Slab Box

Shallow Slab Box with Molded Connectors – Vol 36 cu in.

| Hub Size (in) | Part Number | Product Code |
|-------------------------|----------------|--------------|
| 8 x 1/2 | SMBSH-10 | 089480 |
| 4 x 1/2 & 4 x 3/4 | SMBSH-10/15 | 089481 |
| 8 x 3/4" | SMBSH-15 | 089482 |
| 4 x 1/2, 2 x 3/4, 2 x 1 | SMBSH-10/15/20 | 089483 |
| 4 x 3/4 & 4 x 1 | SMBSH-15/20 | 089484 |




Shallow Slab Box without Molded Connectors – Vol 36 cu in.

| Hub Size (in) | Part Number | Product Code |
|-------------------------|---------------|--------------|
| 8 x 1/2 | SMBS-10 | 089490 |
| 4 x 1/2, 2 x 3/4, 2 x 1 | SMBS-10/15/20 | 089491 |

ENT Slab Box

Slab Box with Molded Connectors (Hubs) – Vol 29 cu in.

| Connectors (in) | Part Number | Product Code |
|--------------------------|--------------|--------------|
| 8 x 1/2 | MBH-10 | 089022 |
| 8 x 3/4 | MBH-15 | 089018 |
| 4 x 1/2, 4 x 3/4 | MBH-10/15 | 089020 |
| 4 x 1/2, 2 x 3/4, 2 x 1 | MBH-10/15/20 | 089019 |
| 4 x 3/4, 4 x 1 knockouts | MBH-15/20 | 089021 |



Slab Box with Knockouts – Vol 29 cu in.

| Connectors (in) | Part Number | Product Code |
|-------------------------|-------------|--------------|
| 4 x 1/2, 2 x 3/4, 2 x 1 | MB-10/15/20 | 089016 |
| 8 x 1/2 knockouts | MB-10 | 089017 |

Concrete Wall Box

- Fully assembled and installation ready
- Perfectly suited for deep or shallow construction preferences
- Concrete-tight poly film covering the box opening
- Kwikon hubs do not protrude inside the box
- Clear Vue vacuum formed removable covers

3-1/2" Deep Boxes – Vol 38 cu in.

| Size (in) | Part Number | Product Code |
|-------------------------|----------------|--------------|
| 4 x 1/2 & 4 x 3/4 | SVDBH-10/15 | 089496 |
| 4 x 3/4 & 4 x 1 | SVDBH-15/20 | 089049 |
| 4 x 1/2, 2 x 3/4, 2 x 1 | SVDBH-10/15/20 | 089052 |
| 8 x 3/4" | SVDBH-15 | 089065 |

2" Shallow Boxes – Vol 15 cu in.

| Hub Size (in) | Part Number | Product Code |
|---------------|-------------|--------------|
| 4 x 1/2 | SVSBH-10 | 089054 |
| 4 x 3/4 | SVSBH-15 | 089053 |

Floor Box Stand Kit includes FB Box

Is equipped with several height brackets which accommodate the different rebar and post-tension cable heights and slab depths found from job-site to job-site.

| Product Code | Part Number |
|--------------|-------------|
| FBS-KIT | 077700 |

For full product selection see page 51



FBS-KITw



Make the right choice!

Why is genuine Scepter the premier choice of electrical contractors?

- Performance
- Committed Sales Special
- Quality Products
- Innovation

Depend on IPEX for quality products and superior service.



- Fast and easy installation
- Restores structural integrity
- Repair made while leaving cables inside



- Wet or hazardous locations
- Water-tight seal protects from moisture & corrosion
- Impact resistant – ideal for indoor & outdoor use



- High tensile & impact strength
- Concrete-tight
- FT-4 rated



Short Form Sample Specification

General

References:

Standards referred to in this section are:

- UL 1653 Electrical Nonmetallic Tubing
- NEMA TC-13 Electrical Nonmetallic Tubing

Products

Manufacturers:

Acceptable manufacturers are listed below:

- Electrical Nonmetallic Tubing - Kwikon by IPEX
- Electrical Nonmetallic Tubing Fittings - Kwikon by IPEX
- Electrical Nonmetallic Tubing Boxes - Kwikon by IPEX

All ENT tubing, ENT fittings, ENT boxes and accessories shall be manufactured by the same company so as to form a complete ENT system.

ENT systems shall be approved for use in fire resistance rated concrete floor-ceiling assemblies with fire resistance ratings up to 4 hours.

Raceways:

ENT raceway shall be color coded to indicate the wiring system. Blue stripe for power, red stripe for fire alarm/emergency systems and yellow stripe for data/communications.

ENT raceway shall be listed to UL1653 and manufactured in accordance with NEMA TC-13.

Fittings:

ENT fittings shall be manufactured of high impact PVC

ENT fittings requirements:

Provide fittings meeting the following requirements:

- Six locking tabs located every 60° providing 360° contact
- Locking tabs shall provide a pullout of a minimum 175 ft-lb force
- Concrete tight without the need for taping
- When transitioning to EMT conduit, the transition fitting shall have six locking tabs for ENT connection and set-screw connection for EMT

Boxes:

ENT boxes shall be manufactured of high impact PVC

ENT slab box and wall box requirements:

- Slab boxes shall be approved for the purpose and concrete-tight
- Slab boxes shall have eight (8) integrally molded ENT hub connectors with six locking tabs for ENT raceway connection

Installation

ENT raceways, fittings, boxes and accessories shall be installed in accordance with Article 362 of the 2002 National Electrical code.

Where ENT penetrates a fire rated wall, floor or ceiling assembly, an approved firestop system as listed in Underwriters Laboratories Building Materials Directory or other nationally recognized testing laboratory shall be used.

Not permitted for use where subject to ambient temperatures in excess of 122°F (50°C).

INEXO™

THE ICF BOX

Full flange prevents box from twisting and sinking into foam if over-tightened

INEXO provides a 1/2" drywall setback resulting in a professional finish

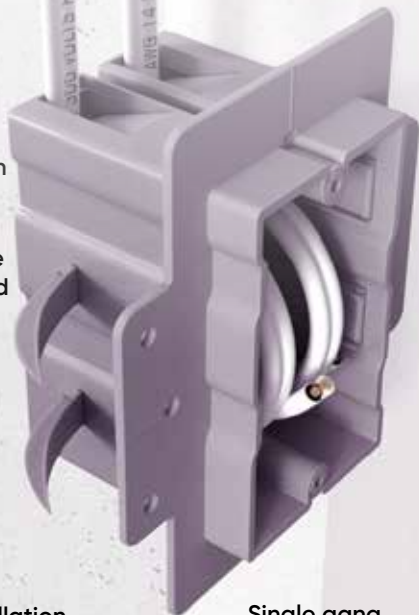
Insertion depth of 2-1/4"

'TEETH' can be easily removed and replaced

'TEETH' lock in place providing a rigid hold in the EPS foam

Greater installation versatility with 3 screw hole choices and flanges on both sides

Single gang box provides 19 cubic inch capacity



THE INNOVATIVE ELECTRICAL BOX FOR INSULATED CONCRETE FORM CONSTRUCTION

INEXO® Electrical Boxes - the only approved electrical box for ICF construction!

Available in commercial and residential styles.



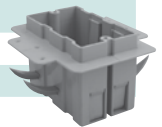
INEXO Boxes for ICF Construction

Until now there have been few choices when attempting to provide a truly professional electrical box solution for Insulated Concrete Form homes.

INEXO's patented design provides a truly professional solution that works with your production schedule and provides the quality installation and finished look that builders require and owners appreciate. INEXO boxes link seamlessly with existing ICF materials, tools and methods. A complete offering designed for ICF walls allow builders to standardize on the use of electrical boxes throughout the building.

Residential (NMD Cable 14/2 - 10/3)

| Description | Part Number | Product Code |
|-------------|-------------|--------------|
| Single Gang | ICF-1-RL | 220000 |
| Double Gang | ICF-2-RL | 220001 |
| Triple Gang | ICF-3-RL | 220002 |



Commercial (AC or NMD Cable)

| Description | Part Number | Product Code |
|-------------|-------------|--------------|
| Single Gang | ICF-1-CLU | 220009 |
| Double Gang | ICF-2-CLU | 220010 |
| Triple Gang | ICF-3-CLU | 220011 |



Low Voltage Divider

| Description | Part Number | Product Code |
|-------------|-------------|--------------|
| Divider | LVD-RL | 220100 |

For residential box only



NMLT Flexible Conduit (Grey) Type B



| Size (in) | Product Code | Length (ft) |
|-----------|--------------|-------------|
| 3/8 | 165005 | 100 |
| 1/2 | 165007 | 100 |
| 3/4 | 165009 | 100 |
| 1 | 165011 | 100 |
| 1-1/4 | 165014 | 100 |
| 1-1/2 | 165017 | 50 |
| 1-1/2 | 165021 | 100 |
| 2 | 165020 | 50 |



NMLT Flexible Conduit Reels (Grey) Type B



| Size (in) | Product Code | Length (ft) |
|-----------|--------------|-------------|
| 1/2 | 165082 | 1000 |
| 3/4 | 165085 | 700 |
| 1 | 165090 | 500 |



NMLT Extra Flexible Tubing (Black)



| Size (in) | Product Code | Length (ft) |
|-----------|--------------|-------------|
| 3/8 | 165055 | 100 |
| 1/2 | 165057 | 100 |
| 3/4 | 165059 | 100 |
| 1 | 165061 | 100 |
| 1-1/4 | 165064 | 100 |
| 1-1/2 | 165067 | 100 |
| 2 | 165070 | 100 |



Other packages sizes available on request

NMLT 90° Elbows (Grey)



| Size (in) | Part Number | Product code |
|-----------|-------------|--------------|
| 3/8 | LTB03/90 | 065306 |
| 1/2 | LTB10/90 | 065307 |
| 3/4 | LTB15/90 | 065310 |
| 1 | LTB20/90 | 065312 |
| 1-1/4 | LTB25/90 | 065314 |
| 1-1/2 | LTB30/90 | 065317 |
| 2 | LTB35/90 | 065320 |



NMLT Straight Fittings (Grey)



| Size (in) | Part Number | Product code |
|-----------|-------------|--------------|
| 3/8 | LTS03 | 065326 |
| 1/2 | LTS10 | 065327 |
| 3/4 | LTS15 | 065330 |
| 1 | LTS20 | 065332 |
| 1-1/4 | LTS25 | 065334 |
| 1-1/2 | LTS30 | 065337 |
| 2 | LTS35 | 065340 |



NMLT Screw-on 90° Elbows (Grey)



| Size (in) | Part Number | Product code |
|-----------|-------------|--------------|
| 1/2 | LTD10/90 | 065350 |
| 3/4 | LTD15/90 | 065352 |



NMLT Screw-on Straight Fittings (Grey)



| Size (in) | Part Number | Product code |
|-----------|-------------|--------------|
| 1/2 | LTD10 | 065360 |
| 3/4 | LTD15 | 065362 |



NMLT Screw-on Multi Angle Fittings (Grey)



| Size (in) | Part Number | Product code |
|-----------|-------------|--------------|
| 1/2 | LTMA10 | 065015 |
| 3/4 | LTMA15 | 065016 |



Lightweight

Super Duct is easy to carry and install, reducing labor and costs.

Long Lengths

Super Duct is available in 10' and 20' lengths, minimizing the number of connections needed.

Bell Ends

Super Duct is bell-ended, allowing for easy assembly in the field.

High Compressive Strength

Super Duct's specially formulated compound is designed to withstand high loads.

Low Coefficient of Friction

The smooth bore of Super Duct facilitates cable pulling and eliminates costly cable damage.

Quality Control

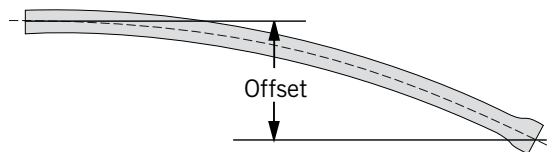
Stringent, continuous testing ensures that Super Duct is a consistently high quality product.



Field Bending

The natural flexibility of IPEX Super Duct allows field bending, so minor changes in elevation or direction can often be accommodated without the use of special sweeps or fittings. The following table indicates typical maximum offset bends that can be achieved by "cold bending."

Allowable Offset for Super Duct



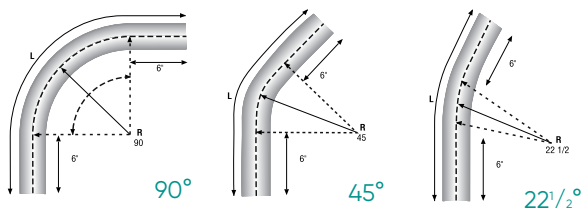
| Size inches | Max Allowable Offset 10' Length (inches) | Max Allowable Offset 20' Length (inches) |
|-------------|--|--|
| 2 | 20 | 79 |
| 3 | 14 | 56 |
| 3-1/2 | 12 | 49 |
| 4 | 11 | 43 |
| 5 | 7 | 35 |
| 6 | 7 | 29 |

NOTES:

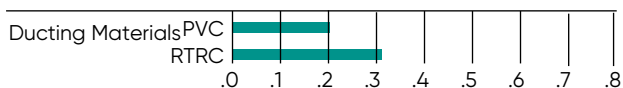
1. Axial deflection should not be attempted at the joints.
2. The above values were established for ambient temperatures above the freezing point. Increased radii may be desirable at below-freezing temperatures.

Bends

| Pipe Dia. (in) | Radius of Bend (R) | | | |
|-------------------|---------------------|-----|-----|-----|
| | 24" | 36" | 48" | 60" |
| 2 | 90° / 45° / 22-1/2° | | | |
| 3 | 90° / 45° / 22-1/2° | | | |
| 4 | 90° / 45° / 22-1/2° | | | |
| 5 | 90° / 45° / 22-1/2° | | | |
| 6 | 90° / 45° / 22-1/2° | | | |



Static Friction Coefficient



Concrete Encased Monolithic Installation

For multipurpose power cable and communication duct banks, spacing between ducts is critical for optimum performance. IPEX offers Vertical Lok Spacer systems to accommodate all specification and field installations.

These lightweight spacers provide the vertical and horizontal separation required in a trench.

With spacers in place on trench bottom, lay the first tier of ducts. When using a concrete base, lay the bottom tier before the base has taken initial set. Place subsequent tiers of spacers on top of the tier until the required number of ducts are installed. Then tie the entire assembly together. It is not necessary to weight or brace the bank unless the concrete mix is very wet.

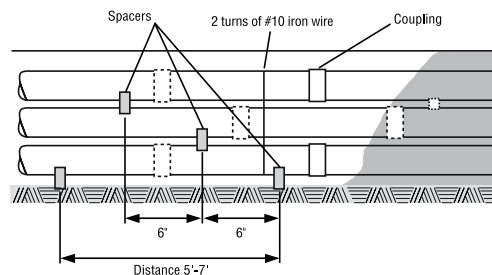


The Concrete Pour

Do not allow a heavy mass of concrete to fall directly onto the duct. If this is a possibility, use a plank to direct the concrete down the sides of the bank assembly to the trench bottom. The concrete will flow to the center of the bank and rise up in the middle, uniformly filling all open spaces. Voids can be eliminated by carefully working a long, flat slicing bar or spatula up and down between the vertical rows of ducts. Concrete should then flow between and under all of the ducts.

Duct Bank Elevation

All spacers should be staggered. It is recommended that spacers should be located approximately one-fifth of duct length from each end. Vertical Lok spacers should be located to a maximum of every 5.5 ft.



Backfilling

Backfill with regular excavated soil after the concrete has set.

Concrete Encased Tier-by-Tier Installation

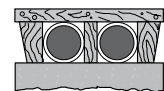
The advantage of this method is the production of a solid, void-free concrete envelope. Simply pour each tier independently.

Trench Bottom

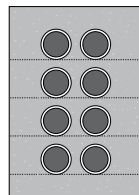
After grading the trench, place a foundation of 3" of concrete on the bottom. It should be smooth and graded.

Bank Assembly

Lay the bottom tier of ducts on the concrete base. Ducts should be spaced with wooden combs (two per duct length). Concrete the first tier level to the top of the comb. Remove combs and fill the voids. Light tamping will ensure an even surface. Repeat this sequence until the bank is built up.



Type of wood comb used.



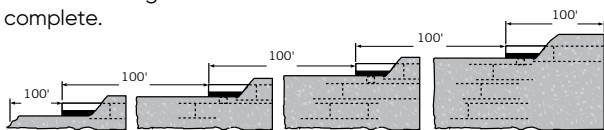
Cross-section of tier-by-tier method.

Concreting

If the concrete is allowed to set before assembling the next tier, the concrete will be stronger and more dense and the ducts will be aligned straighter. One problem with this method is that the bank will be in a series of layers and therefore more likely to heave and separate under frost conditions. If successive tiers are laid before the concrete has set, a satisfactory bond will be achieved by tamping the dry concrete.

Backfilling

Backfill with regular excavated soil when the bank is complete.

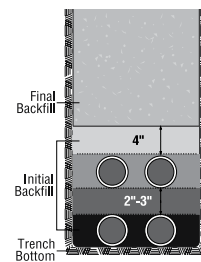


Duct is usually laid in 100' sections once the trench is excavated. Therefore, concreting can be a continuous process.

Direct Burial Installation

Trench Bottom

The trench bottom should provide a continuous, firm and uniform support for the duct bank construction. Care should be taken to avoid lumps, ridges, depressions and stones causing "point" contacts or uneven bearing.



Rock or Shale

Excavate 3" below the desired depth and bring the trench back to grade with selected tamped soil. This will provide the duct with a uniform bedding surface.

Unstable Soils

Tests should be conducted to establish the soil strength in marshy or swampy areas. It may be necessary in these conditions to dig deeper and refill with crushed stone or gravel, or to employ mats, timbers or a concrete base.

Placement of Duct

After the first tier of ducts is installed, backfill and compact as outlined below. If wood combs are employed for spacing, remove them as the backfill is placed and tamped. Then begin the next tier.

Initial Backfilling

1. Fit side and center to the top of the ducts. Use a hand tamper only to tamp firmly.
2. Backfill over the duct to the required thickness (see note) and tamp firmly, using only a hand tamper.

Final Backfilling

When the last tier is placed, hand-place the backfill to 4" over the duct with soil that does not contain stones larger than 3/8". Hand-tamping of this layer is optional, depending on the specifications.

From this point, backfill may be completed by hand or by pneumatic tamping in layers from 4" to 12" depending on the degree of compaction desired.

When placing backfill by machine, avoid the use of large rocks until a protective layer (minimum of 12") is established.

Note: In direct burial, no spacer should be used with Duct; spacers provide "point" support instead of the continuous bed required. Backfill thickness between ducts is usually 2" to 3".

Telephone Duct

Type B, Type B(HW), Type C, Type D

Telephone Duct Type B and Type B – Heavy Wall are designed for use in concrete-encased installations.

Telephone Duct Type C is designed for direct burial applications.

Telephone Duct Type D is designed for exposed and special applications, and contains 6% titanium oxide for UV resistance.

PVC Telephone Duct - 20 foot Length, Belled One End

| Nominal Size | Product Code | Type | Average OD | Min. Wall | Min. ID | Feet / Pallet | Approx lbs/ft |
|--------------|--------------|---------|------------|-----------|---------|---------------|---------------|
| 4 | 008040 | B | 4.350 | 0.091 | 4.13 | 1,260 | 1.0 |
| 4 | 008041 | B (HW) | 4.350 | 0.101 | 4.11 | 1,260 | 1.1 |
| 4 | 008042 | C | 4.350 | 0.148 | 4.00 | 1,260 | 1.6 |
| 4 | 008043 | C X 10' | 4.350 | 0.148 | 4.00 | 630 | 1.6 |
| 4 | 008044 | D | 4.350 | 0.148 | 4.00 | 1,260 | 1.6 |

Performance Properties

As indicated under Telephone Standard 8546

| Type | Minimum Impact Resistance @ 73.4°F | Minimum Impact Resistance @ 32°F | Minimum Pipe Stiffness Type lbs/in/in | Pipe Stiffness | Heat Distortion 48 hrs @ 140°F Type Load | Heat Distortion Max decr. | |
|-------|------------------------------------|----------------------------------|---------------------------------------|----------------|--|---------------------------|--------|
| B | 50 ft.lbs. | 25 ft.lbs. | B | 30 | B | 15 | 0.250" |
| B(HW) | 50 ft.lbs. | 25 ft.lbs. | B (HW) | 40 | B (HW) | 15 | 0.250" |
| C | 100 ft.lbs. | 50 ft.lbs. | C | 120 | C | 60 | 0.250" |
| D | 150 ft.lbs. | 75 ft.lbs. | D | 120 | D | 60 | 0.250" |

Type EB-20

Rated For 90°C Cable / 20-Foot Length, Belled One End

| Nominal Size (in) | Product Code | Average OD | Min. Wall | Feet / Pallet | Approx Wt/lbs |
|-------------------|--------------|------------|-----------|---------------|---------------|
| 2 | 008821 | 2.375 | 0.060 | 3,520 | 37 |
| 3 | 008831 | 3.500 | 0.061 | 1,560 | 56 |
| *4 | 008841 | 4.500 | 0.082 | 1,200 | 93 |
| *5 | 008851 | 5.563 | 0.103 | 460 | 142 |
| *6 | 008861 | 6.625 | 0.125 | 520 | 202 |

* UL Listed

Type DB-60

Rated For 90°C Cable / 20-Foot Length, Belled One End

| Nominal Size (in) | Product Code | Average OD | Min. Wall | Feet / Pallet | Approx Wt/lbs |
|-------------------|--------------|------------|-----------|---------------|---------------|
| 2 | 008321 | 2.375 | 0.060 | 3,520 | 37 |
| 3 | 008731 | 3.500 | 0.092 | 1,560 | 80 |
| 4 | 008741 | 4.500 | 0.121 | 1,200 | 132 |
| 5 | 008751 | 5.563 | 0.152 | 460 | 202 |
| 6 | 008761 | 6.625 | 0.182 | 520 | 285 |

Type EB-35

Rated For 90°C Cable / 20-Foot Length, Belled One End

| Nominal Size (in) | Product Code | Average OD | Min. Wall | Feet / Pallet | Approx Wt/lbs |
|-------------------|--------------|------------|-----------|---------------|---------------|
| 2 | 008921 | 2.375 | 0.060 | 3,520 | 33 |
| 3 | 008931 | 3.500 | 0.076 | 1,560 | 64 |
| 4 | 008941 | 4.500 | 0.100 | 1,200 | 105 |
| 5 | 008951 | 5.563 | 0.126 | 460 | 161 |
| 6 | 008961 | 6.625 | 0.152 | 520 | 230 |

Type DB-120 Duct

Rated For 90°C Cable / 20-Foot Length, Belled One End

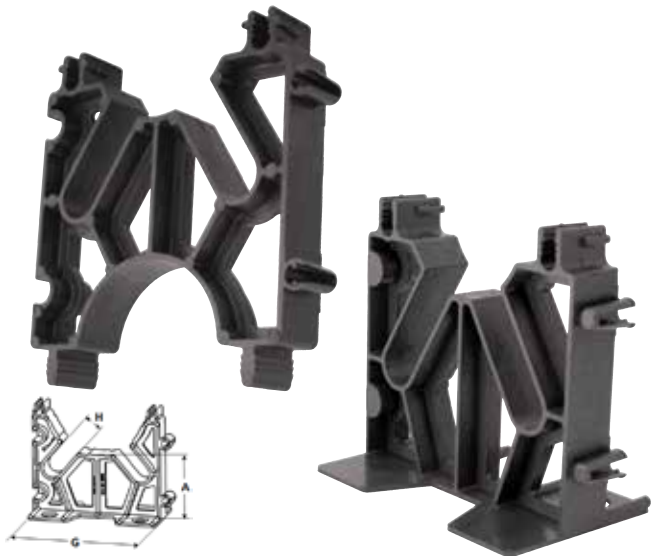
| Nominal Size (in) | Product Code | Average OD | Min. Wall | Feet / Pallet | Approx Wt/lbs |
|-------------------|--------------|------------|-----------|---------------|---------------|
| 2 | 008621 | 2.375 | 0.077 | 3,520 | 42 |
| 3 | 008631 | 3.500 | 0.118 | 1,560 | 96 |
| 4 | 008641 | 4.500 | 0.154 | 1,200 | 158 |
| 5 | 008651 | 5.563 | 0.191 | 460 | 240 |
| 6 | 008661 | 6.625 | 0.227 | 520 | 336 |



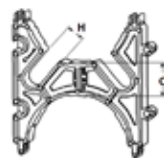
ASTM D1784, ASTM F512
NEMA TC-6

PVC Plastic Compounds.
Plastic Utilities Duct for Underground Installation.
Smooth-Wall Poly (Vinyl-Chloride) (PVC) conduit and Fittings for Underground Installation.

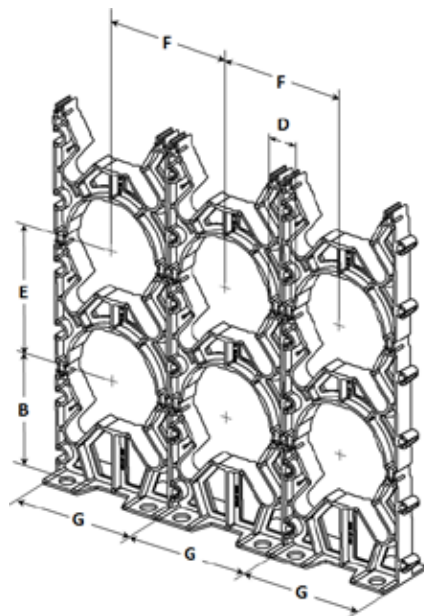
Vertical-Lok Spacers



Base



Intermediate



| Size (inches) | BASE VERTICAL-LOK SPACERS | | | | | | INTERMEDIATE VERTICAL-LOK SPACERS | | | | | | | |
|---------------|---------------------------|--------------|------|------|------|-------|-----------------------------------|--------------|------|------|-------|-------|-------|------|
| | Part Number | Product Code | A | B | H | G | Part Number | Product Code | C | D | E | F | G | H |
| 2 x 1-1/2 | BS3530 | 029566 | 3.04 | 4.25 | 0.63 | 3.94 | IS3530 | 029550 | 1.52 | 1.50 | 3.95 | 3.95 | 3.94 | 0.63 |
| 2 x 2 | BS3535 | 029567 | 3.04 | 4.25 | 0.63 | 4.47 | IS3535 | 029551 | 2.03 | 2.06 | 4.48 | 4.48 | 4.47 | 0.63 |
| 2 x 3 | BS3545 | 029568 | 3.04 | 4.25 | 0.63 | 5.44 | IS3545 | 029552 | 3.00 | 3.03 | 5.45 | 5.45 | 5.44 | 0.63 |
| 3 x 1-1/2 | BS4530 | 029585 | 3.00 | 5.84 | 0.88 | 5.12 | IS4530 | 029582 | 1.50 | 1.45 | 5.15 | 5.12 | 5.12 | 0.88 |
| 3 x 2 | BS4535 | 029570 | 2.97 | 4.78 | 0.88 | 5.63 | IS4535 | 029554 | 2.00 | 1.88 | 5.64 | 5.63 | 5.63 | 0.88 |
| 3 x 3 | BS4545 | 029571 | 3.00 | 4.81 | 0.88 | 6.63 | IS4545 | 029555 | 3.00 | 2.88 | 6.66 | 6.63 | 6.63 | 0.88 |
| 4 x 1 | BS5520 | 029586 | 3.00 | 5.32 | 0.88 | 5.63 | IS5520 | 029583 | 1.00 | 1.03 | 5.66 | 5.63 | 5.63 | 0.88 |
| 4 x 1-1/2 | BS5530 | 029573 | 3.00 | 5.31 | 0.88 | 6.13 | IS5530 | 029557 | 1.50 | 1.39 | 6.13 | 6.14 | 6.13 | 0.88 |
| 4 x 2 | BS5535 | 029574 | 3.06 | 5.38 | 0.88 | 6.63 | IS5535 | 029558 | 2.00 | 1.88 | 6.64 | 6.63 | 6.63 | 0.88 |
| 4 x 3 | BS5545 | 029575 | 3.06 | 5.38 | 0.88 | 7.63 | IS5545 | 029559 | 3.00 | 2.90 | 7.64 | 7.64 | 7.63 | 0.88 |
| 5 x 1-1/2 | BS6030 | 029587 | 3.00 | 5.84 | 0.88 | 7.37 | IS6030 | 029584 | 1.68 | 1.69 | 7.37 | 7.37 | 7.37 | 0.88 |
| 5 x 2 | BS6035 | 029577 | 3.13 | 5.94 | 0.88 | 7.88 | IS6035 | 029561 | 2.25 | 2.15 | 7.89 | 7.89 | 7.88 | 0.88 |
| 5 x 3 | BS6045 | 029578 | 3.19 | 6.00 | 0.88 | 8.69 | IS6045 | 029562 | 3.06 | 2.96 | 8.70 | 8.70 | 8.69 | 0.88 |
| 6 x 1-1/2 | BS6530 | 029579 | 3.02 | 6.38 | 0.88 | 8.21 | IS6530 | 029563 | 1.50 | 1.38 | 8.24 | 8.22 | 8.21 | 0.88 |
| 6 x 2 | BS6535 | 029580 | 3.02 | 6.38 | 0.88 | 8.72 | IS6535 | 029564 | 2.00 | 1.89 | 8.74 | 8.73 | 8.72 | 0.88 |
| 6 x 3 | BS6545 | 029581 | 3.00 | 6.38 | 0.88 | 9.75 | IS6545 | 029565 | 3.00 | 2.90 | 9.77 | 9.77 | 9.75 | 0.88 |
| * 8 x 2 | BS8035 | 029293 | 3.00 | 7.25 | * | 10.80 | * IS8035 | 029294 | 2.06 | 2.00 | 10.58 | 10.80 | 10.80 | * |

* Do not have rebar slots

* Do not have rebar slots

Challenge:

4 lane highway
6,000 cars/hour
4,000 trucks/hour
Silt and clay

Solution:

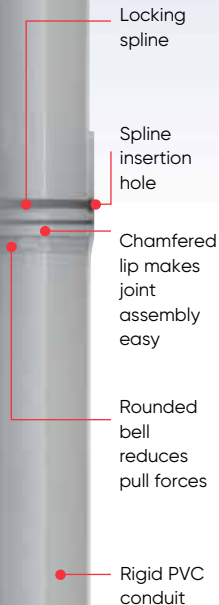
SceptaCon™ Trenchless

The SceptaCon™ Solution

PVC raceway
engineered for trenchless
applications

SceptaCon is a water-tight PVC raceway system designed specifically for horizontal directional drilling (HDD) applications. No open-trenching, traffic interruptions or costly damage to roads and sidewalks.

With its slide-in spline locking system, SceptaCon comes together quickly – no special fusion equipment or training is needed. Assembled one pipe length at a time and then pulled underground, it eliminates the need for long strings of pipe on the jobsite. Able to link seamlessly with existing PVC conduit infrastructure, SceptaCon allows utilities to standardize on PVC throughout their entire electrical system.



SceptaCon™ Trenchless Raceway Systems

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SceptaCon's slide-in locking system and pre-installed, pre-lubricated gaskets allow contractors to create a water-tight seal by hand in seconds – in all temperatures – without having to worry about solvents or chemicals freezing or drying too quickly.

Its unique spline-lock snaps into a recessed opening, ensuring the spline won't get snagged during pull-through. SceptaCon's rounded bell shoulders slide easily past roots, rocks and other debris in the borehole, ensuring a smooth, easy installation. And because SceptaCon is made to the same high standards as our Scepter rigid PVC conduit, contractors and electrical utilities can be assured of the same level of quality – above ground and below.





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- Industrial, plumbing and electrical cements
- Irrigation systems
- PVC, CPVC, PP, PVDF, PE, ABS, and PEX pipe and fittings

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