

# SCEPTACON PVC FOR HDD

3" - 6" (75mm - 150mm)



SceptaCon™ is one of the first PVC systems designed for the rigors of trenchless applications. It links seamlessly to existing PVC conduit infrastructure and allows utilities to standardize on PVC throughout their entire electrical system.

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. SceptaCon delivers the performance, reliability and long life you expect from IPEX.

## ADVANTAGES

- 1 No Cementing or Lubrication Required**

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.
- 2 No Fusion Required**

Because SceptaCon joints can be quickly joined by hand in seconds, crews don't need large, expensive fusion equipment or special training to create water-tight joints.

In addition, SceptaCon can be assembled one pipe length at a time, then pulled underground, eliminating the need for long strings of pipe on the job. In this way, SceptaCon is ideal for short haul applications in cramped urban areas.
- 3 Superior Performance**

SceptaCon is made from durable schedule 40 PVC that's resistant to creasing, scoring or flattening when pulled past obstructions in the borehole, yet flexible enough to bend with underground twists and turns. SceptaCon remains round, unlike HDPE which can stretch and become oval. And with PVC's proven 70-year history in underground piping, it's no surprise telecommunication contractors are turning to SceptaCon PVC raceway for reliable performance – now and over the long term.
- 4 Easier to Handle**

SceptaCon saves crews all the hassles of working with HDPE. As any crew knows, cumbersome HDPE reels are heavy and awkward to transport and work with, and the material is notoriously rigid in cold temperatures. On the other hand, SceptaCon is available in convenient 10' and 20' lengths that are lightweight, easy to handle and no problem to work with in all types of weather.

## APPLICATIONS

- Environmentally Sensitive Areas
- Historical Landmarks
- Road and Highway Crossings
- Urban Areas
- Street Lights
- Traffic Lights

## STANDARDS



### FAST AND EASY JOINT ASSEMBLY

SceptaCon needs no special equipment or training joining quickly to create a water-tight seal in seconds.



#### Step 1

Remove the red protective plugs and locking spline. Slide the spigot and bell ends past the pre-lubricated gasket to the positive stop alignment ring.



#### Step 2

Using the insertion hole, completely push the locking spline into the pipe's inner groove to lock lengths together.



#### Step 3

You're done! Our spline locking system ensures they'll stay together during pull-through and over their life underground.

## SHORT FORM SPECIFICATIONS

### GENERAL

Installation of conduit in defined areas (such as environmentally sensitive areas, existing roadways and high traffic pedestrian areas) shall be accomplished using trenchless horizontal directional drilling methods.

### PRODUCT

The trenchless raceway system shall be manufactured of schedule 40 PVC and to PVC conduit specifications providing for a seamless transition to rigid nonmetallic conduit, duct or other approved conduit systems. Each length of conduit shall be supplied with end caps, a locking spline, a factory installed pre-lubricated o-ring seal and a positive stop alignment ring. Each length shall incorporate dimensionally precise machined grooves (internal on the bell and external on the spigot) whereby the connection of the raceway lengths creates a cavity for the locking spline. The bell end of each length shall have a label affixed by the manufacturer that provides installation instructions while clearly identifying and protecting the spline insertion opening.

Acceptable manufacturers are: SceptaCon Trenchless Raceway by IPEX.

### APPROVALS

The Trenchless Raceway System shall be third party certified to UL651 and CSA C22.2 No.211.2.

### PERFORMANCE SPECIFICATIONS

SceptaCon is made for fast installation, creating a water-tight seal in seconds with no special fusion equipment or training needed. SceptaCon is manufactured to UL651 and CSA C22.2 no. 211.2 standards and meets all testing requirements of Rigid PVC Conduit (PVC).

- SceptaCon's rated bend radius is sixty five (65) feet
- Rated Pulling Force
 

3" – 7,000 lbs	4" – 8,700 lbs
5" – 11,300 lbs	6" – 14,000 lbs
- SceptaCon's water tightness using the joint immersion test
  - 80psi pressure without a bending force applied
  - 80psi pressure when subjected to a 65 foot bend radius

### SCEPTACON PRODUCT SELECTION CHART

Nominal Diameter		Product Code	O.D.		I.D.		Min. Wall	
in	mm		in	mm	in	mm	in	mm
2	53	(20') 106221	2.375	60.3	2.067	52.5	0.154	3.9
3	78	(10') 106330	3.500	88.9	3.068	77.9	0.216	5.5
		(20') 106331						
4	103	(10') 106340	4.500	114.3	4.026	102.3	0.237	6.0
		(20') 106341						
5	129	(10') 106350	5.563	141.3	5.047	128.2	0.258	6.6
		(20') 106351						
6	155	(10') 106360	6.625	168.3	6.065	154.1	0.280	7.1
		(20') 106361						

Every length is delivered with protective plugs to keep the conduit free of dirt and debris during shipping and job site handling.

## THE SCEPTACON™ JOINT

Featuring slide-in spline locking system.

