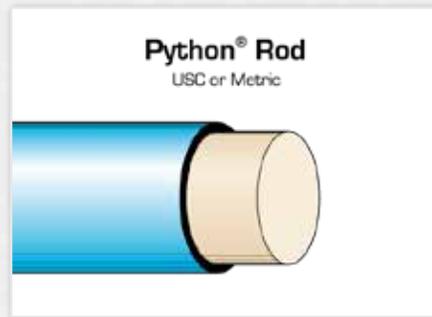
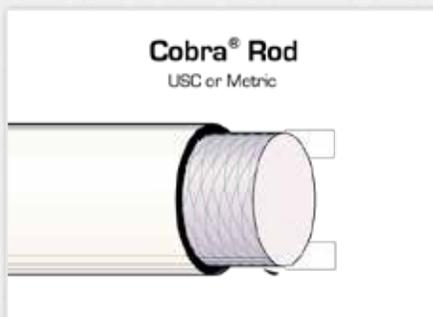


# Duct Rodder Specification



Condux offers three types of duct rod: **Cobra®**, **Python®** and **Mini-Cobra®**

Each has a glass reinforced composite core jacketed in a rugged plastic coating to ensure long life. All three have excellent flexural strength, compressive strength, fatigue resistance, and memory. They also have favorable electrical and thermal properties that make them safe for use in cable-occupied duct. They are suitable for pulling back winch line or small diameter cable.



## **COBRA®:**

Cobra is our highest quality rod, designed for heavy-duty applications. It gets its extra strength from a unique construction process that ensures greater rigidity and strength, enabling it to endure the additional force required for long duct runs with multiple bends and sweeps. A braided wrap of reinforcing fibers increases its rigidity and helps bond the core with the outer plastic coating. The coating is made from a polymer blend for greater toughness and superior abrasion resistance to ensure extra long life. Includes one male and one female end fitting, and a tapered head.

## **PYTHON®:**

Our Python rod is best suited for less demanding applications. It has strength properties similar to our Cobra rod, but is more flexible. Also, like the Cobra, it has a heavy-duty outer plastic coating to resist abrasions and reduce wear. Includes one male and one female end fitting, and a tapered head.

## **MINI-COBRA®:**

Our Mini-Cobra rod includes our 3/16" (5 mm) and 1/4" (6 mm) diameter rods used primarily for smaller duct sizes and shorter runs. The rod has the same flexibility and strength features of our Python rod and comes wound in 16" (406 mm) and 24" (610 mm) cages in 50' (25 m) to 600' (200 m) lengths. Includes two male end fittings and two tapered heads.

## **REPLACEMENT ROD:**

Replacement rod is available for all Condux Duct Rodders. Please contact Condux Customer Service to place your order. Have your existing duct rodder part number ready to ensure an accurate match. Replacement rod comes with end fittings and tapered heads in a disposable replacement cage.

# Duct Rodder Specification



DUCT ROD DIA. <i>(in) (mm)</i>	DUCT ROD PULL STRENGTH <i>(lbs) (N)</i>	CORE OD** <i>(in) (mm)</i>	COATING OD* <i>(in) (mm)</i>	MIN BENDING RADIUS <i>(in) (mm)</i>
3/16 (5)	200 (890)	0.125 (3.2)	0.187 (4.8)	3 (76)
1/4 (6)	350 (1,557)	0.187 (4.8)	0.250 (3.7)	5 (127)
5/16 (8)	950 (4,226)	0.237 (6.0)	0.312 (7.9)	7 (178)
7/16 (11)	950 (4,226)	0.300 (7.6)	0.437 (11.1)	11 (280)
9/16 (13)	1,400 (6,227)	0.375 (9.5)	0.500 (13.0)	11 (280)

CONDUIT SIZES† <i>(in) (mm)</i>	RECOMMENDED DUCT ROD SIZES <i>(in) (mm)</i>
1/2 (13)	3/16 (5)
3/4 (19)	3/16 (5)
1 (25)	3/16, 1/4 (5, 6)
1 1/4 (32)	3/16, 1/4 (5, 6)
1 1/2 (38)	1/4, 5/16 (6, 8)
2 (51)	1/4, 5/16 (6, 8)
2 1/2 (64)	1/4, 5/16 (6, 8)
3 (76)	5/16, 7/16, 9/16 (8, 11, 13)
3 1/2 (89)	5/16, 7/16, 9/16 (8, 11, 13)
4 (102)	5/16, 7/16, 9/16 (8, 11, 13)
5 (127)	7/16, 9/16 (11, 13)
6 (152)	7/16, 9/16 (11, 13)
8 (203)	9/16 (13)

\*Coating O.D. Tolerance  $\pm 0.015$ " (.4 mm)

\*\*Core O.D. Tolerance  $\pm 0.007$ " (.2 mm)

†Conduit sizes based on standard radius bends and should be considered minimums. A larger diameter rod than what is listed is not recommended. Please call your Condux representative for more assistance.

## Footage Marks

Optional footage marks are available on 5/16", 7/16" and 9/16" Cobra and Python duct rod. Order footage marks by adding an F to the end of the existing part number. Footage marks are every two feet.

**Example:** If you were ordering 7/16" Python Rod, 1400 feet long you would order: 08083914F.  
*Additional charges apply.*

## Metric Marks

Optional metric marks are available on 8 mm, 11 mm and 13 mm Cobra and Python duct rod. Order metric marks by adding an M to the end of the existing part number. Metric marks are every meter.

**Example:** If you were ordering 11 mm Python Rod, 400 Meters long you would order: 08078540M.  
*Additional charges apply.*