



*Tooling solutions for the power utility industry.*



## CONDUX - DUCT RODDERS

These duct rodder cages have been designed to be lighter weight for easy handling in the field. They feature sturdy construction and a hand-operated wheel break. They can be used on their side as well as upright. Larger cages come with flotation wheels for added mobility. Cage sizes are matched to suit the rod you order.

**Three Types:** 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.

**End Fittings Included** - duct rods come equipped with a threaded end fitting on each end plus a tapered head on the outward end. Condux offers a number of optional end fitting accessories for additional applications.

**COBRA<sup>®</sup>** - 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 or reinforcing fibers increase 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<sup>®</sup>** - 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<sup>®</sup>** - 3/16" and 1/4" 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" and 24" cages in 50' to 600' lengths. Includes two male end fittings and two tapered heads.

**REPLACEMENT ROD** - Replacement rod is available for all Condux duct rodders.

## SPECIFICATIONS

Rod Dia.	Pull Strength	Core O.D.	Coating O.D.	Min. Bending
3/16"	200 lbs.	.125"	.187"	3" Radius
1/4"	350 lbs.	.187"	.250"	5" Radius
5/16"	950 lbs.	.237"	.312"	7" Radius
7/16"	950 lbs.	.300"	.437"	11" Radius
9/16"	1,400 lbs.	.375"	.562"	11" Radius

## RECOMMENDED

Conduit / Rod Size	
1/2"	3/16"
3/4"	3/16"
1"	3/16", 1/4"
1-1/4"	3/16", 1/4"
1-1/2"	1/4", 5/16"
2"	1/4", 5/16"
2-1/2"	1/4", 5/16"
3"	5/16", 7/16", 9/16"
3-1/2"	5/16", 7/16", 9/16"
4"	5/16", 7/16", 9/16"
5"	7/16", 9/16"
6"	7/16", 9/16"
8"	9/16"

## DUCT RODDERS (U.S. THREADS—USC)

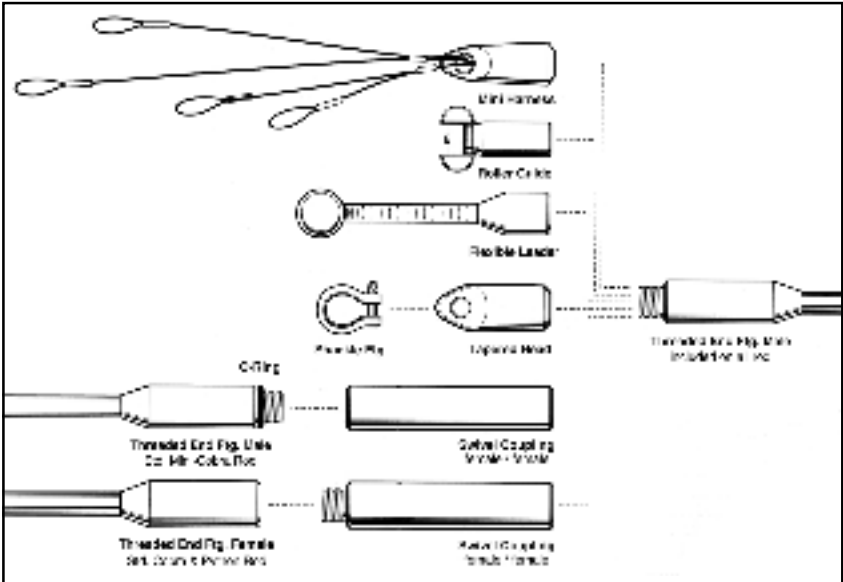
080724	3/16" Mini-Cobra Rod	#12 - 24 End Fitting	16" Cage
080725	1/4" Mini-Cobra Rod	5/16" - 18 End Fitting	24" Cage
080737	5/16" Cobra Rod	3/8" - 16 End Fitting	30" Cage
080843	5/16" Python Rod	3/8" - 16 End Fitting	30" Cage
080838	7/16" Cobra Rod	3/8" - 16 End Fitting	45" Cage
080392	7/16" Python Rod	3/8" - 16 End Fitting	45" Cage
080832	9/16" Python Rod	3/4" - 10 End Fitting	45" Cage

To Order: Specify Part # and desired length.

Metric sizes available. Contact Reliable for more information.

Estimates based on standard radius bends and should be considered minimums.

**TO ORDER CALL: 800-966-3530 OR FAX: 215-357-9193**



**MINI-HARNESS**

Screw onto threaded end fitting to allow wire attachment when pulling into conduit.

**ROLLER GUIDE**

Guides duct rod around bends, sweeps, other cables, and duct misalignments.

**FLEXIBLE LEADER**

Helps guide the duct rod around bends, sweeps, and duct misalignments.

**SHACKLE FITTING**

Fits onto tapered head providing a larger loop for attaching rope or pull line.

**TAPERED HEAD**

Guides duct rod through the conduit and allows a pull line to be attached. Comes standard with each of the duct rodders.

**O-RINGS**

Keeps accessories on the end fitting. Standard with the Mini-Cobra rodders.

**THREADED END FITTINGS**

Replacement for factory installed fitting.

**SWIVEL COUPLING**

Used to connect two duct rods. Also used as a rotating swivel.

Rod Dia.	3/16"	1/4"	5/16"	7/16"	9/16"
USC Thread	#12-24	5/16-18	3/8-16	3/8-16	3/4-10
Mini Harness	08033433	08033434	08033435	08033435	
Roller Guide	08037430	08037440	08037401	08037401	08037400
Flexible Ldr.	08033423	08033443	08037538	08037538	08037534
Shackle Fitting		08031101	0803101	08031100	
Tapered Head	08033421	08033441	08038400	08038400	08038300
O-Rings	02163600	02215000			
Male	08033420	08033440	08036307	08036303	08036005
Female			08036306	08036304	08036006
Female/Female	08033470	08033459			
Male/Female	08033422	08033442	08036800	08036800	08036700

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