

CONDUX

AERIAL & UNDERGROUND EQUIPMENT & TOOLS



www.CONDUX.com

ENGINEER TO ORDER PRODUCTS
AERIAL TOOLS
 FISHING & RODDING
 SWIVELS & ACCESSORIES
 PULLING EYES & ACCESSORIES
 CABLE BLOWING
 CABLE PULLING
 CABLE GUIDES
 OTHER PRODUCTS



CONDUX

ISO 9001:2008 CERTIFIED



**SAFETY
 RELIABILITY
 PRODUCTIVITY**



solutions & support

providing labor-saving
Good businesses know the importance of productivity and efficiency. That's why we take pride in working directly with the industries we serve to offer tools that are engineered to reduce installation time and increase safety. Condrex has the specialized tools to help you do the job right, and do it safely.

Reliable Customer Service

Every tool we sell is backed by our commitment to reliable Customer Service through our international network of knowledgeable representatives and our international Customer Service personnel. You will receive the most reliable customer support available anywhere.

Product Training Seminars

A product is most effective with the proper knowledge and training behind it. That's why Condrex offers in-depth product information and hands-on product training. Our outdoor facility has precast manholes, four conduit runs, power poles at the perimeter, handholes, and transformer boxes for realistic training. Participants work in both classroom and hands-on settings, with involvement in a variety of product installations over a two-day period.



To our knowledge, all products and other information in this catalog are accurate at the time of printing. Condrex International, Inc. reserves the right to change products and other information without prior notice.

Tools shown in this catalog are designed for their intended use only by trained craftspeople. Before using any Condrex tool, make certain you have read and understand any safety,

operating, and maintenance instructions for that tool. Call or write for any additional product information required for operation.

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Litho in USA
Catalog Part Number: CAT11-DOM

What's New



Winch Line Blower.....42-43

Is a method of installing winch line in Conduit. It turns the job of pulling winch line into one easy step. Eliminating the need to blow a string and pull back a rope. Using compressed air, 90 psi and 100 cfm, the winch line blower can propel steel winch line, rope or tape in conduit from 1" to 6" in diameter. Installation is easy. No special tools are required. The blower's seal-off slides into the duct and is held in place by handtightening the adjustment handles.

808 Champion Swivels..... 50

Designed specifically for underground and overhead cable pulling applications. Can handle all types of utility cables. Precision machined from high-strength stainless steel.



400 D.Drill Directional Drilling Swivels..... 59

Designed specifically for directional drilling, the Condrex 400 D.Drill Swivels prevent boring equipments' rotational torque from interfering with the product (cable or conduit) being pulled. The D.Drill Swivels are greasable and double sealed to keep contaminants out. There is a 90 day warranty on the directional drill swivels.

Fixed Head Innerduct Pulling Eyes 74

Tapered buttress threads thread into the innerduct for maximum pulling strength. These eyes connect directly to a Condrex swivel. When properly sized and installed, these eyes will not pull out of the innerduct until the pulling tensions have greatly exceeded the maximum pulling tensions recommended by the innerduct manufacturers.



Electronic Control Box 98

Features large LED Display and Paperless Recorder with trend display. Paperless Recorder includes: Trend Display, CompactFlash™ card slot with 256MB Flash Card, and USB interface. A programmable overload set point has both an audible and visual indication of an overload condition. The Electronic Control Box also has the capability to disengage the cable puller if an overload occurs.

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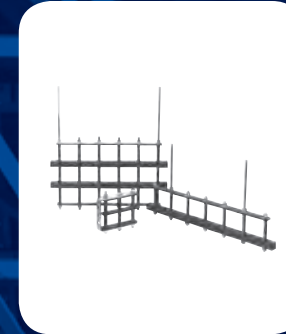
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ABOUT: ENGINEER TO ORDER PRODUCTS

Condux underbridge duct support systems are complete, pre-engineered and field-proven. The hangers can be provided in any configuration (horizontal and vertical) from our inventory of components and preassembled to your specifications.

Conduit-in-casing is a simple process that allows telecom and power utilities to quickly and easily place power and communication cable below ground and under structures such as roadways, rail lines, etc. After the casing is installed and soil removed, multiple ducts supported by Condux Bore Spacers are then installed. Grout is typically injected between the individual ducts. Once the grout has cured, the telecom/power cables are pulled into place.

FYI
Additional information
available at:
www.condux.com.

Condux Underbridge Conduit Support Systems

Condux is the world's leading designer and manufacturer of conduit bridge hanger systems. Our expertise spans a complete range of bridge sizes and designs—from the famous Golden Gate bridge in San Francisco to Tampa Bay's spectacular Sunshine Skyway bridge to a large number of smaller bridges all across the world.

Through that **experience**, we can help you with any special design problems you may encounter, and do it in a timely and cost effective manner.

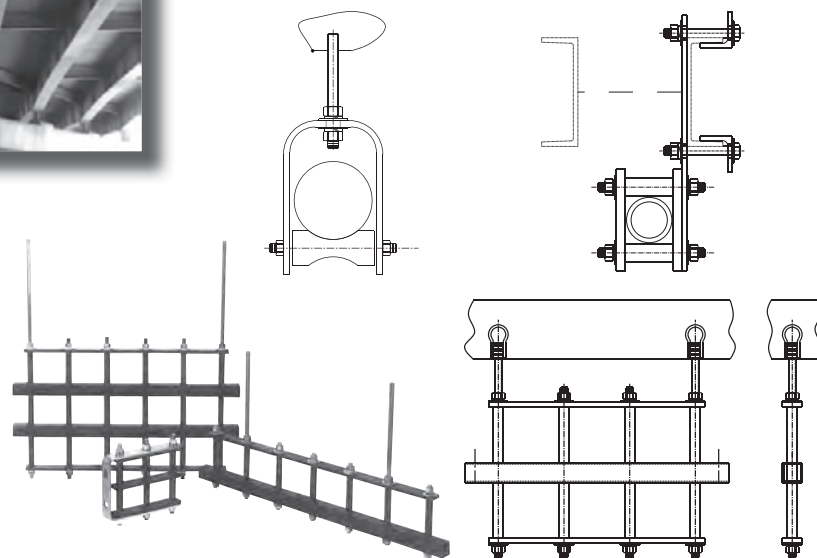
We specialize in **personalized service**, providing you with all of the information and technical assistance you need to get you through every step of your bridge hanger project. As a basic part of our service, when you place an order with us we will assist you with a materials list and a system design layout. We also feature computerized design and estimation for rapid turnaround.

Condux support hanger hardware is manufactured from stainless steel or hot rolled material that has a **hot dip galvanized** coating that meets D.O.T. specification requirements.

The **fiberglass cross members** are manufactured fiberglass reinforced plastic material that is one of the strongest and most durable materials in the world. When you combine these two materials you have one of the strongest and corrosion resistant conduit support hangers available on the market which is supplied by Condux International.

All types of **conduit** (fiberglass, PVC, or steel) are available from Condux, to provide a complete Underbridge Conduit System. No matter what stage of the project you're in, Condux can help you in the most cost effective manner.

The Condux Underbridge Conduit Support Systems & Bore Spacers **Catalog and Design Guide** will provide you with complete information on designing and ordering bridge hanger systems. It is available through our web site at www.condux.com or by contacting Condux Customer Service at 1-800-533-2077.



Condux Bore Spacers

Encasing underground conduit inside of steel pipe casings is quickly gaining popularity as a preferred method of underground installation. It offers the maximum amount of security for underground cable, effectively eliminating many of the problems that can occur with underground installation. This method is gaining recognition as "The Right Way" to install underground cable. One of the factors that make such an installation work is the proper design of the bore spacers that align and hold the conduit inside the pipe casing. Proper engineering of these bore spacers is critical to the reliability and longevity of the system.

Condux International is one of the largest producers of bore spacers in the United States. We have the experience and engineering expertise to assure the quality of your spacers. Condux Bore Spacers provide the following significant benefits:

Optimum Design—In many instances this spacer will allow the use of a smaller casing for the same number of conduits. The savings from the price of the casing and the installation could actually make the bore spacers "free".

Waterjet Technology—Utilizing computer aided design, the waterjet process is used to produce a cleaner, more accurate bore spacer for less cost and reduced manufacturing time.

Flexibility—Virtually any configuration of conduits and grout holes can be quickly manufactured.

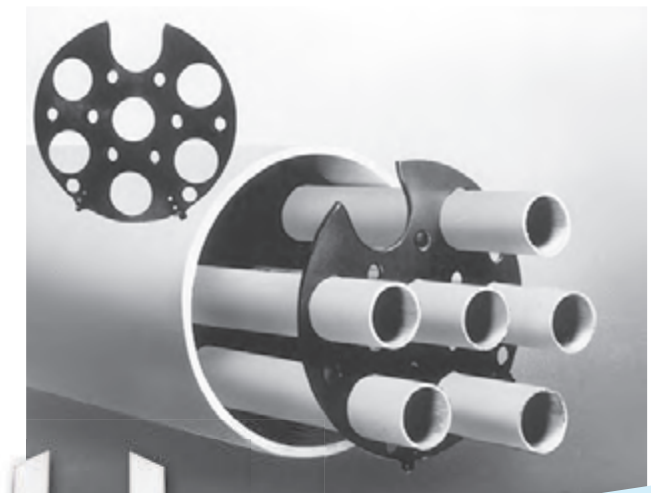
Rapid Turnaround—In most cases custom designed bore spacers are ready for shipment in 1 to 2 weeks.

Ease of Use—The bore spacers can be equipped with optional casters making the installation process smooth and easy.

The Condux Underbridge Conduit Support Systems & Bore Spacers **Catalog and Design Guide** will provide you with complete information on ordering bore spacers. Call the toll-free number listed at the bottom of this page to order your copy, or visit our web site at www.condux.com.

For immediate assistance, call Condux Customer Service at 1-800-533-2077 with the following information:

- Casing I.D.
- Conduit O.D.
- Number of conduits
- Length of run
- Number of grout holes required
- Diameter of grout holes
- Minimum separation between conduits
- Conduit and grout hole configuration, and if casters will be required
- Quantity required



FYI
Additional information
available at:
www.condux.com.

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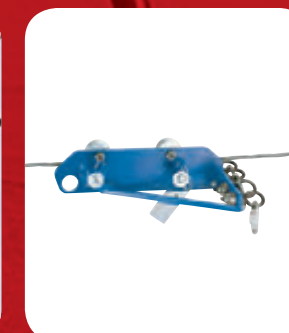
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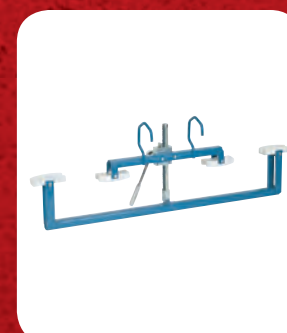
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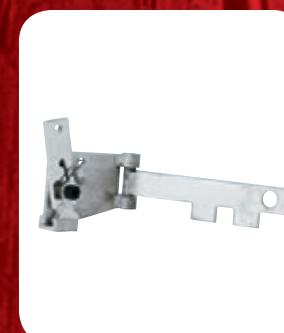
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ABOUT: AERIAL TOOLS

Condux offers a comprehensive line of aerial tools for overhead CATV, fiber optic and copper telephone cable installations, as well as overhead innerduct installation. The line includes a wide range of cable blocks, aerial cable pullers and cable benders for a variety of cable pulling installation projects. The 90 Degree Corner Block and 45 Degree Corner Block ensure that minimal drag is placed on the cable, offering an unmatched level of protection.

The Aerial Cable Puller and Overlash Aerial Cable Puller feature quick-connect links and pulling eyes that swivel during pulling to avoid tangles and cable damage. Condux offers the highest quality aerial tools that are designed to complete jobs safely, quickly and easily.



Single Roller Cable Block

Support a single coaxial, fiber optic or copper cable or aerial innerduct up to 2.75" (70 mm) outside diameter with Condux Single Roller Cable Blocks. A built-in strand lock fits up to 3/8" (10 mm) strand to prevent creeping. The lock will be released when struck by a Cable Block Pusher ahead of a Cable Lasher. Frames are durable cast aluminum or molded plastic with steel inserts on strand contact surfaces. Rollers are plastic or aluminum.

Single Roller Cable Blocks may be equipped with a steel cable retainer to keep the cable or innerduct on the roller, even in low-tension situations.

Replacement rollers available. See page 18 for ordering information.

FYI

Prior to Ordering Always Know the Following:

- Cable Diameter & Strand Diameter
- Max Cable O.D. 2.75" (70 mm)
- Max Strand Dia. 3/8" (10 mm)

No poly-based rope is to be used on plastic rollers. If you are using poly rope, please order aluminum block rollers.

Part Number	Description	Roller/Cable Config.	Frame Material	Roller Material
18000600	Single roller cable block	1 @ 2.75" (70 mm)	plastic	plastic
18001200	Single roller cable block with cable retainer	1 @ 2.75" (70 mm)	plastic	plastic
18000660	Single roller cable block	1 @ 2.75" (70 mm)	aluminum	plastic
18001260	Single roller cable block with cable retainer	1 @ 2.75" (70 mm)	aluminum	plastic
18000670	Single roller cable block	1 @ 2.75" (70 mm)	aluminum	aluminum
18001270	Single roller cable block with cable retainer	1 @ 2.75" (70 mm)	aluminum	aluminum



Cable Block 18000600



Cable Block 18001200



Cable Block 18000660



Cable Block 18001260



Cable Block 18000670



Cable Block 18001270

Pole Mount Single Roller Cable Block

The Pole Mount Single Roller Cable Block is specially designed for easy mounting and free-rolling required in figure-eight cable construction. Quickly mounts to a 3-bolt strand clamp on a pole and allows pulling from pole to pole. Support a single coaxial, fiber optic or copper cable or aerial innerduct up to 2.75" (70 mm) outside diameter. Steel frame, with plastic or aluminum rollers.

Pole Mount Single Roller Cable Blocks may be equipped with a steel cable retainer to keep the cable or innerduct on the roller, even in low-tension situations.

Replacement rollers available. See page 18 for ordering information.



FYI

Prior to Ordering Always Know the Following:

- Cable Diameter
- Max Cable O.D. 2.75" (70 mm)
- Aluminum Sheave and Plastic Sheave Frames not interchangeable

No poly-based rope is to be used on plastic rollers. If you are using poly rope, please order aluminum block rollers.

Part Number	Description	Roller/Cable Config.	Frame Material	Roller Material
18000610	Single roller cable block	1 @ 2.75" (70 mm)	steel	plastic
18000620	Single roller cable block with cable retainer	1 @ 2.75" (70 mm)	steel	plastic
18000615	Single roller cable block	1 @ 2.75" (70 mm)	steel	aluminum
18000625	Single roller cable block with cable retainer	1 @ 2.75" (70 mm)	steel	aluminum



Cable Block 18000610



Cable Block 18000620



Cable Block 18000615



Cable Block 18000625



Multiple Roller Cable Block

Support multiple cables on independent rollers with Multiple Roller Cable Blocks. All blocks have built-in cable retaining arms and a strand lock (up to 3/8" (10 mm) strand). Operate the open/close mechanism with just a quick pull by hand or from the ground with a Lay-Up Stick. Frames are durable cast aluminum or molded plastic with steel inserts on strand contact surfaces. Rollers are plastic.

Replacement rollers available. See page 18 for ordering information.

Part Number	Description	Roller/Cable Config.	Frame Material	Roller Material
18103640	4-roller cable block	2 @ 1.25" (32 mm) 2 @ 0.75" (19 mm)	plastic	plastic
18103662	4-roller cable block	2 @ 1.25" (32 mm) 2 @ 0.75" (19 mm)	aluminum	plastic



Cable Block 18103640



Cable Block 18103662

FYI
Prior to Ordering Always Know the Following:

- Cable Diameter & Strand Diameter
- Max Cable O.D. 1.25" (32 mm)
- Max Strand Dia. 3/8" (10 mm)

No poly-based rope is to be used on plastic rollers. If you are using poly rope, please order aluminum block rollers.

FYI
Prior to Ordering Always Know the Following:

- Max Cable O.D. 1.25" (32 mm)
- Max. Strand O.D. 3/8" (10 mm)
- Blocks Do Not Lock on Strand

No poly-based rope is to be used on plastic rollers. If you are using poly rope, please order aluminum block rollers.

Economy Cable Block

Condux offers economical Cable Blocks for support of one or two cables or innerduct up to 1.25" (32 mm) outside diameter. Integrated cable retaining system with spring-loaded arm. Frames are durable cast aluminum with steel inserts on strand contact surfaces, and can be used on strands up to 3/8" (10 mm) in diameter. Rollers are plastic or steel.

Replacement rollers available. See page 18 for ordering information.

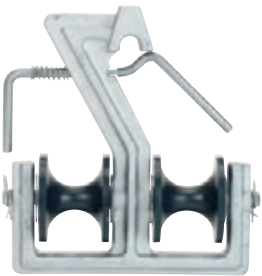
Part Number	Description	Roller/Cable Config.	Frame Material	Roller Material
18401060	Economy cable block, single	1 @ 1.25" (32 mm)	aluminum	plastic
18401080	Economy cable block, single	1 @ 1.25" (32 mm)	aluminum	steel
18402060	Economy cable block, double	2 @ 1.25" (32 mm)	aluminum	plastic



Cable Block 18401060



Cable Block 18401080



Cable Block 18402060

Overlash Cable Block

Supports a single coaxial, fiber optic or copper cable up to 3.75" outside diameter. A built in Uni-directional strand lock fits up to 1/2" strand to prevent creeping during cable installation. Frame and roller are manufactured out of durable cast aluminum.

Cast Aluminum Frame:

- Can be placed on a 4-inch bundle or bare strand (1/4"-1/2")
- Uni-directional strand lock
- Dual retaining gate system

Cast Aluminum Roller:

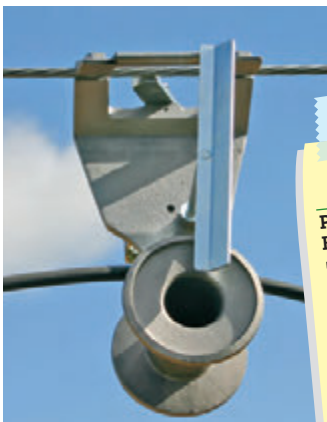
- Will support a single cable up to and including 3.75 inches

Weight:

- 4.75 lbs

Cable Block Lifter for Overlash Cable Block:

- Part No. 18501244



Overlash Cable Block 18001100

Part Number	Description	Roller/Cable Config.	Frame Material	Roller Material
18001100	Block, Cable 1-3.75 W/Rt A1 & A1	1 @ 3.75" (95.3 mm)	aluminum	aluminum

FYI
Prior to Ordering Always Know the Following:

- Max Cable O.D. 1.25" (32 mm)
- Max. Strand O.D. 1/2" (13 mm)
- Max. Bundled O.D. 4" (102 mm)
- Sold Quantities of 10 Only

No poly-based rope is to be used on plastic rollers. If you are using poly rope, please order aluminum block rollers.

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ABOUT: FISHING & RODDING

Condux offers an extensive line of the highest quality fishing and rodding equipment for various projects including inside and outside plant cable installations, as well as underground construction projects for sewer, water, gas and electric applications. The line includes the most utilized made-to-order Duct Rodders in the country. In addition to Duct Rod designed for light to heavy-duty applications, Condux offers a full line of Duct Rodder Accessories.

The Power Dart® Blower is a pneumatic rodding system especially suited for long duct runs. The versatile line, which is designed to increase job safety and productivity, also includes Poly Line Pails, Pulling Tape and Antitwist Rope.



Duct Rodders

Condux Duct Rodders combine ease of operation and reliable performance to help increase the efficiency of your rodding operations.

Our 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 brake. They can be used on their side as well as upright. 30" (762 mm) and 45" (1,143 mm) cages come with flotation wheels for added mobility. Cage sizes are matched to suit the rod you order.

End Fittings Included

Condux 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.

Easy to Order

Simply refer to the charts in this section based on the diameter of rod you need. Condux provides 24-hour turnaround on most rodder orders.

All Duct Rodders come standard with a repair kit.

Three Types of Rod

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.

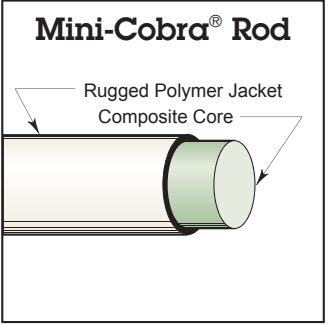
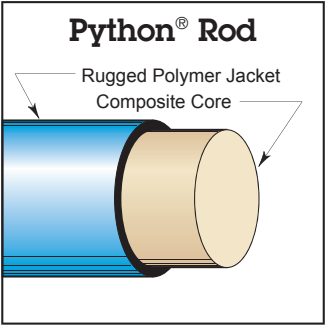
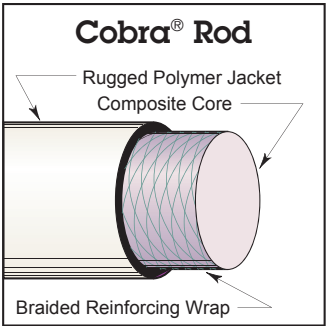
COBRA®: Cobra is our highest quality rod, designed for heavy-duty applications. It gets its extra strength from a unique construction process that ensures greater rigidity and strength, enabling it to endure the additional force required for long duct runs with multiple bends and sweeps. A braided wrap 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 3/16" (5 mm) to 1/4" (6 mm) comes with end fittings and tapered heads taped in a hand coil. The 5/16" (8 mm) to 9/16" (13 mm) rod comes with end fittings and a tapered head in a disposable replacement cage.

Replacement accessories listed on pages 28-33.



Duct Rod Specifications

Duct Rod Dia. in (mm)	Duct Rod Pull Strength lbs (N)	Core O.D.** in (mm)	Coating O.D.* in (mm)	Min. Bending Radius in (mm)
3/16 (5)	200 (890)	.125 (3.2)	.187 (4.8)	3 (76)
1/4 (6)	350 (1,557)	.187 (4.8)	.250 (6.3)	5 (127)
5/16 (8)	950 (4,226)	.237 (6.0)	.312 (7.9)	7 (178)
7/16 (11)	950 (4,226)	.300 (7.6)	.437 (11.1)	11 (280)
9/16 (13)	1,400 (6,227)	.375 (9.5)	.500 (13.0)	11 (280)

**Core O.D. Tolerance ±.007" (.2 mm); *Coating O.D. Tolerance ±.015" (.4 mm).

Conduit Sizes* in (mm)	Recommended Duct Rod Size in (mm)
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)

*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.



Dozens of rodder accessories (pgs. 28-33) are available to fit your rodding application.



End fittings are included with Condux duct rodgers. Vary with rod type ordered. See page 32.



Ready to ship! 24-hour turnaround on most rodgers.



Hand-operated wheel brake adds control and safety.



3/16" Mini-Cobra Rod		
#12-24 End Fitting		
16" Cage		
Part No.	Length (ft)	Replacement Rod No.
08072405	50	08073605
08072410	100	08073610
08072415	150	08073615
08072420	200	08073620
08072425	250	08073625
08072430	300	08073630

1/4" Mini-Cobra Rod		
5/16"-18 End Fitting		
24" Cage		
Part No.	Length (ft)	Replacement Rod No.
08072510	100	08073710
08072515	150	08073715
08072520	200	08073720
08072525	250	08073725
08072530	300	08073730
08072535	350	08073735
08072540	400	08073740
08072545	450	08073745
08072550	500	08073750
08072555	550	08073755
08072560	600	08073760

5/16" Cobra Rod		
3/8"-16 End Fitting		
30" Cage		
Part No.	Length (ft)	Replacement Rod No.
08083720	200	08079120
08083725	250	08079125
08083730	300	08079130
08083735	350	08079135
08083740	400	08079140
08083745	450	08079145
08083750	500	08079150
08083755	550	08079155
08083760	600	08079160
08083765	650	08079165
08083770	700	08079170
08083775	750	08079175
08083780	800	08079180
08083790	900	08079190
08083710	1000	08079110

5/16" Cobra Rod		
3/8"-16 End Fitting		
30" Cage		
Part No.	Length (ft)	Replacement Rod No.
08084320	200	08082320
08084325	250	08082325
08084330	300	08082330
08084335	350	08082335
08084340	400	08082340
08084345	450	08082345
08084350	500	08082350
08084355	550	08082355
08084360	600	08082360
08084365	650	08082365
08084370	700	08082370
08084375	750	08082375
08084380	800	08082380
08084390	900	08082390
08084310	1000	08082310

5 mm Mini-Cobra Rod		
M5 End Fitting		
406 mm Cage		
Part No.	Length (ft)	Replacement Rod No.
08072602	25	08072702
08072605	50	08072705
08072607	75	08072707
08072610	100	08072710

6 mm Mini-Cobra Rod		
M8 End Fitting		
610 mm Cage		
Part No.	Length (ft)	Replacement Rod No.
08072802	25	08072902
08072805	50	08072905
08072807	75	08072907
08072810	100	08072910
08072812	125	08072912
08072815	150	08072915
08072817	175	08072917
08072820	200	08072920

8 mm Cobra Rod		
M12 End Fitting		
762 mm Cage		
Part No.	Length (ft)	Replacement Rod No.
08073005	50	08073505
08073007	75	08073507
08073010	100	08073510
08073012	125	08073512
08073015	150	08073515
08073017	175	08073517
08073020	200	08073520
08073025	250	08073525
08073030	300	08073530

8 mm Cobra Rod		
M12 End Fitting		
762 mm Cage		
Part No.	Length (ft)	Replacement Rod No.
08075205	50	08076405
08075207	75	08076407
08075210	100	08076410
08075212	125	08076412
08075215	150	08076415
08075217	175	08076417
08075220	200	08076420
08075225	250	08076425
08075230	300	08076430

11 mm Cobra Rod		
M12 End Fitting		
1143 mm Cage		
Part No.	Length (ft)	Replacement Rod No.
08077205	50	08077705
08077207	75	08077707
08077210	100	08077710
08077212	125	08077712
08077215	150	08077715
08077217	175	08077717
08077220	200	08077720
08077225	250	08077725
08077230	300	08077730
08077235	350	08077735
08077240	400	08077740
08077245	450	08077745

11 mm Cobra Rod		
M12 End Fitting		
1143 mm Cage		
Part No.	Length (ft)	Replacement Rod No.
08078505	50	08078605
08078507	75	08078607
08078510	100	08078610
08078512	125	08078612
08078515	150	08078615
08078517	175	08078617
08078520	200	08078620
08078525	250	08078625
08078530	300	08078630
08078535	350	08078635
08078540	400	08078640
08078545	450	08078645

13 mm Python Rod		
M12 End Fitting		
1143 mm Cage		
Part No.	Length (ft)	Replacement Rod No.
08078705	50	08079305
08078707	75	08079307
08078710	100	08079310
08078712	125	08079312
08078715	150	08079315
08078717	175	08079317
08078720	200	08079320
08078725	250	08079325
08078730	300	08079330

7/16" Cobra Rod		
3/8"-16 End Fitting		
45" Cage		
Part No.	Length (ft)	Replacement Rod No.
08083820	200	08086320
08083825	250	08086325
08083830	300	08086330
08083835	350	08086335
08083840	400	08086340
08083845	450	08086345
08083850	500	08086350
08083855	550	08086355
08083860	600	08086360
08083865	650	08086365
08083870	700	08086370
08083875	750	08086375
08083880	800	08086380
08083890	900	08086390
08083810	1000	08086310
08083811	1100	08086311
08083812	1200	08086312
08083813	1300	08086313
08083814	1400	08086314
08083815	1500	08086315

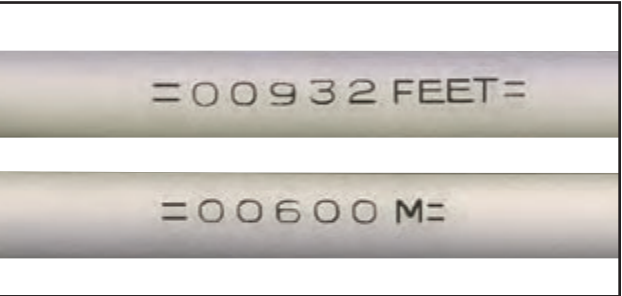
7/16" Cobra Rod		
3/8"-16 End Fitting		
45" Cage		
Part No.	Length (ft)	Replacement Rod No.
08083920	200	08086520
08083925	250	08086525
08083930	300	08086530
08083935	350	08086535
08083940	400	08086540
08083945	450	08086545
08083950	500	08086550
08083955	550	08086555
08083960	600	08086560
08083965	650	08086565
08083970	700	08086570
08083975	750	08086575
08083980	800	08086580
08083990	900	08086590
08083910	1000	08086510
08083911	1100	08086511
08083912	1200	08086512
08083913	1300	08086513
08083914	1400	08086514
08083915	1500	08086515

9/16" Python Rod		
3/4"-10 End Fitting		
45" Cage		
Part No.	Length (ft)	Replacement Rod No.
08083220	200	08075720
08083225	250	08075725
08083230	300	08075730
08083235	350	08075735
08083240	400	08075740
08083245	450	08075745
08083250	500	08075750
08083255	550	08075755
08083260	600	08075760
08083265	650	08075765
08083270	700	08075770
08083275	750	08075775
08083280	800	08075780
08083290	900	08075790
08083210	1000	08075710

Footage/Meter Marks

Footage/Meter marks are available on 5/16" (8 mm), 1/4" (11 mm), and 3/8" (13 mm) Cobra and Python duct rod. Order footage / meter marks separately at additional cost. Footage marks are every two feet.

Part Number	Description
08084000	Footage Marks (Feet)
08084002	Meter Marks (M)





ABOUT: SWIVELS & ACCESSORIES

The complete line of swivels and accessories provides dependable quality for a variety of pulling applications. Condux's well-known Champion Swivels are designed for underground and overhead pulling applications and can handle all types of utility cables. The line also includes Break-Away Swivels for directional drilling. These swivels are essential for fiber optic and coaxial cable pulling.

Condux D. Drill® Directional Drilling Swivels come in a wide range of sizes for a variety of horizontal directional drilling (HDD) and pulling applications. Condux swivels and accessories pull cable safely and quickly.



Ball Bearing Swivels
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Break-Away Swivels
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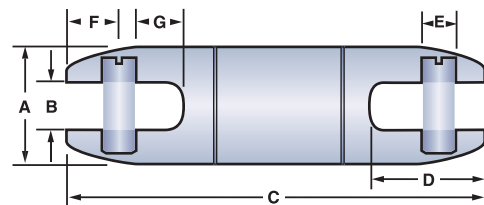
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Directional Drilling Swivels
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Directional Drilling Products
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808 Champion Swivels

Designed specifically for underground and overhead cable pulling applications. Can handle all types of utility cables. Precision machined from high-strength stainless steel. Clevis pin is easily replaceable (see ordering information, next page).

CAUTION: 808 Champion Swivels are to be used for cable stringing or pulling only. 808 Champion Swivels are not to be used for directional drilling.

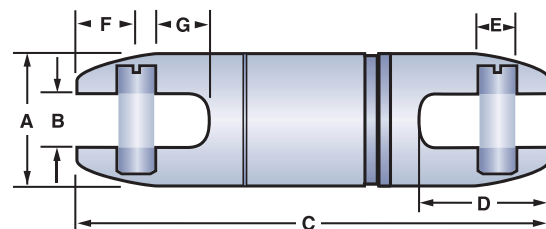
NOTE: Swivels are not designed to run around bullwheels. Always verify that the swivel size is sized to the pulling harness or grip prior to ordering.

Part Number	Working Load		Aerial		(in)	A (mm)		(in)	B (mm)		(in)	C (mm)		(in)	D (mm)		(in)	E (mm)		(in)	F (mm)		(in)	G (mm)	
	*Underground (lbs.)	**Aerial (N)	(lbs.)	(N)		(in)	(mm)		(in)	(mm)		(in)	(mm)		(in)	(mm)		(in)	(mm)		(in)	(mm)		(in)	(mm)
08017000	600	2,669	360	1,601	%	16	.28	7	3.56	90	.79	20	.25	6	.37	9	.295	7							
08016000	2,500	11,120	1,500	6,672	%	22	.38	10	4.51	115	1.06	27	.31	8	.53	13	.375	10							
08016000H***	2,500	11,120	1,500	6,672	%	22	.38	10	4.51	115	1.06	27	.31	8	.53	13	.375	10							
08080912	5,000	22,241	3,000	13,344	1 1/4	32	.56	14	5.44	138	1.34	34	.37	9	.59	15	.565	14							
08080912H***	5,000	22,241	3,000	13,344	1 1/4	32	.56	14	5.44	138	1.34	34	.37	9	.59	15	.565	14							
08080913	7,000	31,137	4,200	18,682	1 1/2	35	.56	14	5.25	133	1.31	33	.44	11	.56	14	.530	13							
08080913H***	7,000	31,137	4,200	18,682	1 1/2	35	.56	14	5.25	133	1.31	33	.44	11	.56	14	.530	13							
08080916	10,000	44,482	6,000	26,689	1 3/4	41	.63	16	6.51	165	1.59	40	.56	14	.78	20	.530	13							
08080916H***	10,000	44,482	6,000	26,689	1 3/4	41	.63	16	6.51	165	1.59	40	.56	14	.78	20	.530	13							
08080920	15,000	66,723	9,000	40,033	2	51	.75	19	6.99	178	1.78	45	.62	16	.72	18	.750	18							
08080920H***	15,000	66,723	9,000	40,033	2	51	.75	19	6.99	178	1.78	45	.62	16	.72	18	.750	18							
08080925	25,000	111,205	15,000	66,723	2 1/2	64	1.00	25	10.23	260	2.80	71	.87	22	1.23	31	1.135	29							
08080925H***	25,000	111,205	15,000	66,723	2 1/2	64	1.00	25	10.23	260	2.80	71	.87	22	1.23	31	1.135	29							
08080930	30,000	133,446	18,000	80,068	3	76	1.31	33	12.04	306	3.56	90	1.12	28	1.37	35	1.630	41							

* 3:1 Safety Factor
 ** 5:1 Safety Factor
 *** Comes standard with hex head clevis pin.

821 Champion Swivels

Designed to meet common dimensional specifications, the 821 Champion Swivels are designed for underground and overhead cable pulling applications and can handle all types of utility cable. Precision machined stainless steel. Clevis pin is easily replaceable (see ordering information, next page).



CAUTION: To be used for cable stringing or pulling only.

NOTE: Swivels are not designed to run around bullwheels.

Part Number	Working Load		Aerial		(in)	A (mm)		(in)	B (mm)		(in)	C (mm)		(in)	D (mm)		(in)	E (mm)		(in)	F (mm)		(in)	G (mm)	
	*Underground (lbs.)	**Aerial (N)	(lbs.)	(N)		(in)	(mm)		(in)	(mm)		(in)	(mm)		(in)	(mm)		(in)	(mm)		(in)	(mm)		(in)	(mm)
08210007	1,800	8,006	1,080	4,804	7/8	22	.31	8	3.09	78	.84	21	.31	8	.38	10	0.305	8							
08210012	4,000	17,792	2,400	10,675	1 1/4	32	.59	15	4.52	115	1.22	31	.38	10	.44	11	0.410	10							
08210014	7,500	33,360	4,500	20,016	1 3/4	37	.59	15	5.13	130	1.41	36	.44	11	.59	15	0.600	15							
08210018	10,000	44,480	6,000	26,689	2	48	.75	19	7.06	179	1.88	48	.63	16	.81	21	0.755	19							

* 3:1 Safety Factor
 ** 5:1 Safety Factor

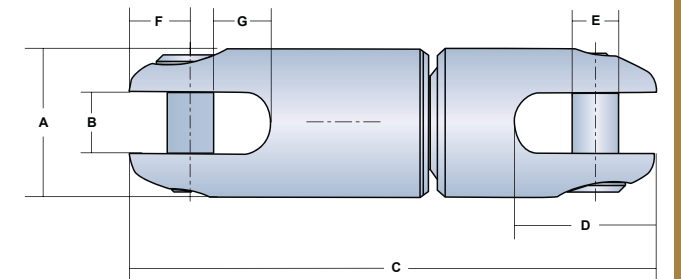
210 Champion Swivels

The Condux 210 Champion Swivels are designed for underground and overhead cable pulling applications. Can handle all types of utility cables. The special design can bear the high radial loads, which occur during the passage over sheaves. Clevis pins are easily replaceable (see ordering information, below).

Features and Benefits:

- Flexes to relieve stress on swivel flanges when being pulled over a sheave
- Stainless steel construction
- Multiple sizes and load ratings
- Rubber seal to protect bearings from contaminants

CAUTION: 210 Champion Swivels are to be used for cable stringing or pulling only.



Part Number	Working Load		A		B		C		D		E		F		G	
	Aerial (lbs.)	Aerial (N)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
21000405	3,000	13,344	1.38	35	.56	14	4.88	124	1.31	33	.43	11	.56	14	.54	14
21000370*	3,000	13,344	1.38	35	.56	14	4.88	124	1.31	33	.43	11	.56	14	.54	14
21000415	5,000	22,241	1.63	41	.63	16	5.38	137	1.59	40	.56	14	.78	20	.54	14
21000380*	5,000	22,241	1.63	41	.63	16	5.38	137	1.59	40	.56	14	.78	20	.54	14
21000435	11,000	48,930	2.00	51	.75	19	6.41	163	1.78	45	.62	16	.72	18	.76	19
21000390*	11,000	48,930	2.00	51	.75	19	6.41	163	1.78	45	.62	16	.72	18	.76	19
21000445	15,000	66,723	2.50	64	1.00	25	8.60	218	2.80	71	.87	22	1.23	31	1.15	29
21000400*	15,000	66,723	2.50	64	1.00	25	8.60	218	2.80	71	.87	22	1.23	31	1.15	29

NOTE: Working loads are based on a 5:1 factor of safety.
 * Comes standard with hex head clevis pin.

Replacement Clevis Pins for 808 Champion Swivels

Part Number	Replacement Part Number, Slotted	Part Number	Replacement Part Number, Hex
08017000	08017016		
08016000	08955408	08016000H	08081065
08080912	08081046	08080912H	08081042
08080913	08081036	08080913H	21000371
08080916	08081026	08080916H	21000381
08080920	08081016	08080920H	21000391
08080925	08081006	08080925H	21000401
08080930	08081053		

Replacement Clevis Pins for 821 Champion Swivels

Part Number	Replacement Part Number
08210007	08210105
08210012	08210115
08210014	08210125
08210018	08210135

Replacement Clevis Pins for 210 Champion Swivels

Part Number	Replacement Part Number, Slotted	Part Number	Replacement Part Number, Hex
21000405	08081036	21000370	21000371
21000415	08081026	21000380	21000381
21000435	08081016	21000390	21000391
21000445	08081006	21000400	21000401



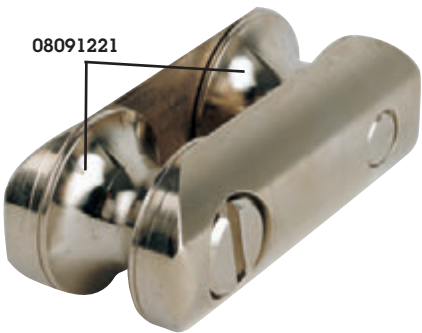
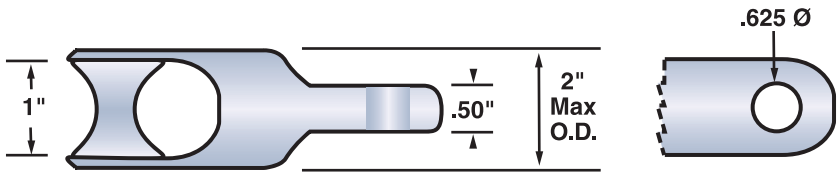
Rope to Swivel Clevis

Used to connect the swivel to rope up to 1" (25 mm) in diameter. To be used with 1 1/4", 1 3/8", 1 1/2" & 2" 808 Champion Swivels. Precision machined stainless steel.

Part Number	Size (in) (mm)	Max O.D. (in) (mm)	Load Rating (lbs) (N)
08091230	1 1/4-2 32-51	2 51	10,000 44,480

Replacement Pin and Roller:

Part Number	
08091221	Roller
08091222	Pin



Rope to Rope/Grip Clevis

Versatile clevis provides efficient link for several applications. Stainless steel construction with 10,000 lbs. (44,480 N) load capacity. Combinations of sheaves and pins allow the following connections:

- 7/8" (22 mm) diameter rope to 7/8" (22 mm) diameter rope
- Rope to forged eye pulling grip
- Forged eye pulling grip to forged eye pulling grip
- Rope to flexible eye pulling grip

Part Number	Max O.D. (in) (mm)
08091200	1 3/4 44

Replacement Pin and Roller:

Part Number	
08091221	Roller
08091201	Pin

Swivel Compatibility Chart						
Swivel Part Number	Swivel Size (in) (mm)	Pulling Eye Size Range		Eye to Eye Connectors Size Part Number (Page 57)	Pulling Harnesses	
		Standard Head Reusable Power Pulling Eyes Cable Size (Page 77)	Fixed Head Innerduct Pulling Eyes Part Number (Page 75)		Separate Leg Ends (Page 57)	Large Front Link Size Part Number (Page 57)
08017000	5/8 (16)	-	-	-	1/8, 1/4	-
08016000	7/8 (22)	1/0-4/0 AWG	-	-	1/8, 1/4	-
08080912	1 1/4 (32)	All	08914110, 08914120, 08914130, 08914140	(3/8") 08050300 (1/2") 08050500	All	(1/8"-08549200) (1/4"-08549230, 08549325, 08569910, 08549326) (1/2"-08549331)
08080913	1 3/8 (35)	All	08914110, 08914120, 08914130, 08914140	(3/8") 08050300	All	(1/8"-08549200) (1/4"-08549230, 08549325, 08569910, 08549326) (1/2"-08549331)
08080916	1 5/8 (41)	250-2,500 kcmil	-	(3/8") 08050300 (1/2") 08050500	All	(1/8"-08549200) (1/4"-08549230, 08549325, 08569910, 08549326) (1/2"-08549331)
08080920	2 (51)	250-2,500 kcmil	-	All	All	(1/8"-08549200) (1/4"-08549230, 08549325, 08569910, 08549326) (1/2"-08549331)
08080925	2 1/2 (64)	-	-	(1/2") 08050500 (5/8") 08050501	All Cables	All
08080930	3 (76)	-	-	(1/2") 08050500 (5/8") 08050501	All Cables	All
08210007	7/8 (22)	-	-	-	1/8, 1/4	-
08210012	1 1/4 (32)	All	All	(3/8") 08050300 (1/2") 08050500	All	(1/8"-08549200) (1/4"-08549230, 08549325, 08569910, 08549326) (1/2"-08549331)
08210014	1 7/16 (37)	All	08914110, 08914120, 08914130, 08914140, 08914150, 08914160	(3/8") 08050300 (1/2") 08050500	All	(1/8"-08549200) (1/4"-08549230, 08549325, 08569910, 08549326) (1/2"-08549331)
08210018	1 7/8 (48)	250-2,500 kcmil	-	All	All	(1/8"-08549200) (1/4"-08549230, 08549325, 08569910, 08549326) (3/8"-08549333, 08549329) (1/2"-08549331)

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Pulling Eye Systems
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ABOUT: PULLING EYES & ACCESSORIES

Condux's line of Pulling Eyes is designed for power cable and innerduct pulling applications. The line, which includes PE and PVC Pulling Eyes, is designed to pull in all types of pipe in a variety of pulling situations. The Reusable Power Cable Pulling Eyes remain firmly secured on the cable for a confident pull.

An assortment of Pulling Grips is available in a wide range of configurations. Fiber Optic Pulling Grips feature a weave that provides positive holding power while allowing the grip to remain flexible, ensuring cable protection. Condux Pulling Eyes and Accessories offer safety, reliability and productivity.



Pulling Grips

Pulling Grips offer excellent means of pulling electrical cable, bare conductors, copper telephone cable or rope through conduit. Grips are made of high-quality galvanized steel strand to assure long life. Under normal conditions, the grips should be used with a safety factor of five, but this will vary depending on the situation. The tension, diameter, movement, number of objects gripped, gripping surface and the attachments used are some of the variables affecting the safety factor. In addition, the effects of abrasion, corrosion, prior use or misuse must be considered and the grip replaced when necessary. The safety factor is ultimately determined by the user.

Fiber Optic Pulling Grips are also available. They feature a special weave that provides positive holding power while allowing the grip to remain flexible, ensuring cable protection.

Additional sizes & support grips are available, please contact Condux Customer Service for assistance.

Select The Correct Grip

Each grip is designed to work on a specific range of cable diameters.

Step 1: Determine your cable outside diameter.

Step 2: Find the grip size that encompasses your cable diameter.

Step 3: Whenever possible, use a closed mesh that assembles over the cable end. If the cable end is not available, use a split mesh.

Step 4: Where available, select an eye style that suits your needs.

Step 5: Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to ensure that the grip will be strong enough.

Calculating grip size for multiple cables of same diameter

	Number of Cables In Bundle							Grip Diameter Range in (mm)
	2	3	4	5	6 & 7	8	9	
Individual Cable Diameter Range	.30-.38 (8-10)	.25-.31 (6-8)	.22-.27 (6-7)	.19-.24 (5-6)	.17-.22 (4-6)	.15-.19 (4-5)	.14-.18 (3-4)	.50-.61 (13-15)
	.38-.44 (10-11)	.31-.36 (8-9)	.27-.31 (7-8)	.24-.29 (6-7)	.22-.26 (6-7)	.19-.23 (5-6)	.18-.21 (4-5)	.62-.74 (16-19)
	.44-.59 (11-15)	.36-.49 (9-12)	.31-.42 (8-11)	.29-.38 (7-10)	.26-.34 (7-9)	.23-.31 (6-8)	.21-.28 (5-7)	.75-.99 (19-25)
	.59-.75 (15-19)	.49-.63 (12-16)	.42-.54 (11-14)	.38-.48 (10-12)	.34-.43 (9-11)	.31-.39 (8-10)	.28-.35 (7-9)	1.00-1.24 (25-31)
	.75-.90 (19-23)	.63-.76 (16-19)	.54-.65 (14-17)	.48-.58 (12-15)	.43-.52 (11-13)	.39-.46 (10-12)	.35-.42 (9-11)	1.25-1.49 (31-38)
	.90-1.07 (23-27)	.76-.89 (19-23)	.65-.77 (17-19)	.58-.67 (15-17)	.52-.60 (13-15)	.46-.54 (12-14)	.42-.49 (11-12)	1.50-1.74 (38-44)
	1.07-1.22 (27-31)	.89-1.02 (23-26)	.77-.88 (19-20)	.67-.77 (17-19)	.60-.69 (15-18)	.54-.62 (14-16)	.49-.56 (12-14)	1.75-1.99 (44-51)
	1.22-1.53 (31-39)	1.02-1.28 (26-33)	.88-1.10 (20-28)	.77-.96 (19-24)	.69-.86 (18-22)	.62-.77 (16-19)	.56-.71 (14-18)	2.00-2.49 (51-63)
	1.53-1.83 (39-46)	1.28-1.53 (33-39)	1.10-1.32 (28-34)	.96-1.16 (24-29)	.86-1.03 (22-26)	.77-.93 (19-24)	.71-.85 (18-22)	2.50-2.99 (63-76)
	1.83-2.14 (46-54)	1.53-1.79 (39-45)	1.32-1.54 (34-39)	1.16-1.35 (29-34)	1.03-1.20 (26-30)	.93-1.08 (24-27)	.85-.99 (22-25)	3.00-3.49 (76-89)
	2.14-2.44 (54-62)	1.79-2.05 (45-52)	1.54-1.76 (39-45)	1.35-1.54 (34-39)	1.20-1.37 (30-35)	1.08-1.24 (27-31)	.99-1.13 (25-29)	3.50-3.99 (89-101)
	2.44-2.75 (62-70)	2.05-2.30 (52-58)	1.76-1.98 (45-50)	1.54-1.74 (39-44)	1.37-1.55 (35-39)	1.24-1.39 (31-35)	1.13-1.27 (29-32)	4.00-4.49 (101-114)
	2.75-3.06 (70-78)	2.30-2.56 (58-65)	1.98-2.20 (50-56)	1.74-1.93 (44-49)	1.55-1.72 (39-44)	1.39-1.55 (35-39)	1.27-1.41 (32-36)	4.50-4.99 (114-127)



Fiber Optic Grip - Flexible Eye, Low Profile, Double/Single Weave Mesh

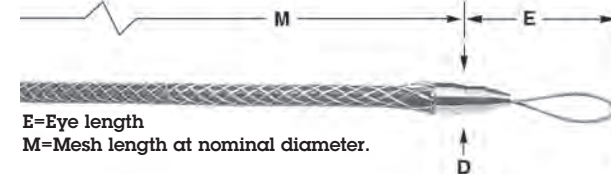


E=Eye length
M=Mesh length at nominal diameter.

Double/Single weave mesh, galvanized steel for outside plant cable. Used for the installation of fiber optic communication lines either underground, overhead, through conduit or through enclosures. They will fit single cables or cable bundles, are easily installed on the cable and are reusable.

Part Number	Description	Cable Diameter Range		Approximate Breaking Strength		E		M	
		(in)	(mm)	(lbs)	(N)	(in)	(mm)	(in)	(mm)
08643753	033-29-1193	.10-.22	3-6	900	4,003	7½	190	10	254
08643754	033-29-1194	.21-.35	5-9	1,400	6,227	7½	190	14	356
08643755	033-29-1195	.32-.48	8-12	2,000	8,896	8½	216	19	483
08643756	033-29-1196	.42-.61	11-15	2,500	11,120	8½	216	21	533
08643757	033-29-1197	.53-.74	13-19	3,000	13,344	8½	216	23	584
08643758	033-29-1198	.64-.87	16-22	4,200	18,682	8½	216	25	635
08643759	033-29-1199	.75-1.00	19-25	4,200	18,682	8½	216	28	711

Fiber Optic Grip - Flexible Eye

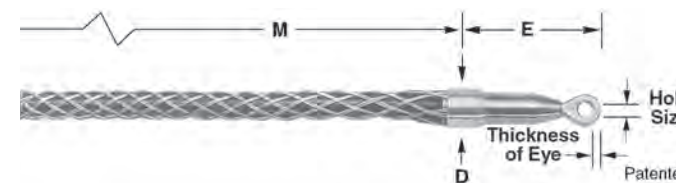


E=Eye length
M=Mesh length at nominal diameter.

Double/Single weave mesh, galvanized steel for outside plant cable. Used for the installation of fiber optic communication lines either underground, overhead, through conduit or through enclosures. They will fit single cables or cable bundles, are easily installed on the cable and are reusable.

Part Number	Description	Cable Diameter Range		Approximate Breaking Strength		E		M		D	
		(in)	(mm)	(lbs)	(N)	(in)	(mm)	(in)	(mm)	(in)	(mm)
08643505	033-29-1000	.10-.22	3-6	1,000	4,448	5½	140	9	229	.8	20
08643512	033-29-1001	.21-.35	5-9	1,500	6,672	5½	140	14	356	.8	20
08643514	033-29-1002	.32-.48	8-12	2,200	9,786	6	152	18	457	.9	23
08643518	033-29-1003	.42-.61	11-15	2,800	12,454	6	152	21	533	.9	23
08643524	033-29-1004	.53-.74	13-19	3,300	14,678	6½	165	24	610	1.3	33
08643529	033-29-1005	.64-.87	16-22	4,700	20,906	6½	165	27	686	1.3	33

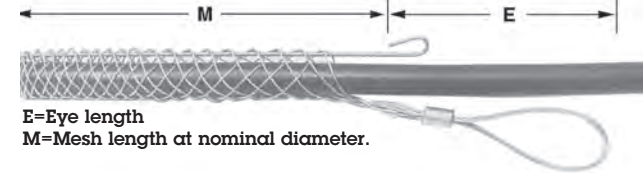
Fiber Optic Grip - Swivel Eye



Double/Single weave mesh, galvanized steel for outside plant cable. Used for the installation of fiber optic communication lines either underground, overhead, through conduit or through enclosures. They will fit single cables or cable bundles, are easily installed on the cable and are reusable.

Part Number	Description	Cable Diameter Range		Approximate Breaking Strength		E		M		D		Hole Size		Thickness of Eye	
		(in)	(mm)	(lbs)	(N)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
08643612	033-29-1008	.21-.35	5-9	1,500	6,672	4	83	14	356	.9	23	.236	6	.496	13
08643614	033-29-1009	.32-.48	8-12	2,200	9,786	4	95	18	457	.9	23	.239	6	.496	13
08643618	033-29-1010	.42-.61	11-15	2,800	12,454	4	108	21	533	.9	23	.245	6	.505	13
08643624	033-29-1011	.53-.74	13-19	3,300	14,678	4½	127	24	610	1.3	33	.241	6	.5	13
08643629	033-29-1012	.64-.87	16-22	4,700	20,906	4½	146	27	686	1.3	33	.234	6	.502	13

Fiber Optic Slack Grip - Split Mesh, Rod Closing, Single Weave



E=Eye length
M=Mesh length at nominal diameter.

Single weave mesh, galvanized steel for outside plant cable. Used for the installation of fiber optic communication lines either underground, overhead, through conduit or through enclosures. They will fit single cables or cable bundles, are easily installed on the cable and are reusable.

Part Number	Description	Range		Approximate Breaking Strength		E		M	
		(in)	(mm)	(lbs)	(N)	(in)	(mm)	(in)	(mm)
08643713	033-29-1015	.25-.37	6-9	300	1,334	3	76	4.7	119
08643716	033-29-1016	.38-.49	10-12	800	3,558	3	76	5	127
08643722	033-29-1017	.50-.61	13-15	800	3,558	3	76	7½	191
08643728	033-29-1018	.62-.74	16-19	1,200	5,338	3	76	8	203



Pulling Grips

ORDER CAREFULLY
This item is made-to-order and is not returnable

Junior Grip



E=Eye length
M=Mesh length at nominal diameter.

Junior Pulling Grips feature a strong galvanized steel, single weave mesh. A flexible eye easily attaches to a pulling line, snake or fish tape. Designed to pull building wire, Junior grips are safe tools to use in pulling wire at low tension through conduit during electrical construction.

Part Number	Description	Cable Diameter Range		Approximate Breaking Strength		E		M	
		(in)	(mm)	(lbs)	(N)	(in)	(mm)	(in)	(mm)
08643210	033-05-011	.19-.24	5-6	400	1,779	3¼	83	4¼	108
08643213*	033-05-001	.25-.36	6-9	450	2,002	3¼	83	4¼	108
08643216*	033-05-002	.37-.49	9-12	900	4,003	3¾	95	7	178
08643222*	033-05-003	.50-.61	13-15	1,300	5,782	4¼	108	8½	216
08643228*	033-05-004	.62-.74	16-19	1,950	8,674	5	127	10	254
08643231*	033-05-005	.75-.99	19-25	2,800	12,454	5¾	146	10	254
08643237*	033-05-006	1.00-1.24	25-31	3,900	17,347	6½	165	11½	292

Junior Grip Kit

Contains items indicated with (*) in Junior Grip chart above.

Part Number 08643200



Light Duty Grip - Short



E=Eye length
M=Mesh length at nominal diameter.

Light Duty Pulling Grips are made of galvanized steel in a single weave construction. They feature a flexible eye for easy attachment to a pulling line. Light duty grips are used in general underground electrical construction where pulling tensions are low. They are easy tools to use in wiring industrial plants and commercial buildings.

Part Number	Description	Cable Diameter Range		Approximate Breaking Strength		E		M	
		(in)	(mm)	(lbs)	(N)	(in)	(mm)	(in)	(mm)
08643022	033-03-001	.50-.61	13-15	2,800	12,454	5	127	11	279
08643028	033-03-002	.62-.74	16-19	2,800	12,454	5	127	11	279
08643031	033-03-003	.75-.99	19-25	4,000	17,792	6	152	12	305
08643037	033-03-004	1.00-1.24	25-31	5,300	23,574	7	178	13	330
08643043	033-03-005	1.25-1.49	32-38	5,300	23,574	7	178	14	356
08643049	033-03-006	1.50-1.74	38-44	6,800	30,246	8	203	15	381
08643052	033-03-007	1.75-1.99	44-51	8,500	37,808	8	203	17	432
08643055	033-03-008	2.00-2.49	51-63	8,500	37,808	9	229	18	457

Light Duty Grip - Standard



Light Duty Pulling Grips are made of galvanized steel in a single weave construction. They feature a flexible eye for easy attachment to a pulling line. Light duty grips are used in general underground electrical construction where pulling tensions are low. They are easy tools to use in wiring industrial plants and commercial buildings.

Part Number	Description	Cable Diameter Range		Approximate Breaking Strength		E		M	
		(in)	(mm)	(lbs)	(N)	(in)	(mm)	(in)	(mm)
08643122	033-03-010	.50-.61	13-15	2,800	12,454	5	127	16	406
08643128	033-03-011	.62-.74	16-19	2,800	12,454	5	127	16	406
08643131	033-03-012	.75-.99	19-25	4,000	17,792	6	152	20	508
08643137	033-03-013	1.00-1.24	25-31	6,800	23,574	7	178	20	508
08643143	033-03-015	1.25-1.49	32-38	6,800	23,574	7	178	21	533
08643149	033-03-016	1.50-1.99	38-51	6,800	23,574	8	203	23	584
08643155	033-03-017	2.00-2.49	51-63	8,500	37,808	9	229	25	635
08643158	033-03-018	2.50-2.99	64-76	10,600	47,149	9	229	27	686
08643161	033-03-019	3.00-3.49	76-89	14,700	65,386	10	254	30	762
08643164	033-03-029	3.50-3.99	89-101	14,700	65,386	10	254	32	813

ORDER CAREFULLY
This item is made-to-order and is not returnable

T-Type Grips - Short, Flexible Eye



E=Eye length
M=Mesh length at nominal diameter.

Flexible T-Type Pulling Grips are made of high strength galvanized steel strand. They feature double weave mesh for positive holding power in medium to heavy pulling jobs. The grip eye will easily attach to a swivel. They are used for the installation of underground power cables, communication lines and service lines into factories, construction projects and for general underground electrical construction. Available in two mesh lengths, short for medium pulls, and standard for general purpose pulling.

Part Number	Description	Cable Diameter Range		Approximate Breaking Strength		E		M	
		(in)	(mm)	(lbs)	(N)	(in)	(mm)	(in)	(mm)
08642222	033-04-1082	.50-.61	13-15	4,500	20,016	8	203	21	533
08642228	033-04-1083	.62-.74	16-19	5,600	24,909	8	203	24	610
08642231	033-04-1084	.75-.99	19-25	6,800	30,246	9	229	24	610
08642237	033-04-1085	1.00-1.49	25-38	9,600	42,701	9	229	24	610
08642249	033-04-1086	1.50-1.99	38-51	16,400	72,947	11	279	24	610
08642255	033-04-1087	2.00-2.49	51-63	18,500	82,288	12	305	24	610
08642258	033-04-1088	2.50-2.99	64-76	24,500	108,976	12	305	24	610
08642261	033-04-1089	3.00-3.49	76-89	24,500	108,976	14	356	24	610
08642264	033-04-1090	3.50-3.99	89-101	31,000	137,888	14	356	26	660

T-Type Grips - Standard, Flexible Eye

Part Number	Description	Cable Diameter Range		Approximate Breaking Strength		E		M	
		(in)	(mm)	(lbs)	(N)	(in)	(mm)	(in)	(mm)
08642331	033-04-1091	.75-.99	19-25	6,800	30,246	9	229	36	914
08642337	033-04-1092	1.00-1.49	25-38	9,600	42,701	9	229	36	914
08642349	033-04-1093	1.50-1.99	38-51	16,400	72,947	11	279	36	914
08642355	033-04-1094	2.00-2.49	51-63	18,500	82,288	12	305	36	914
08642358	033-04-1095	2.50-2.99	64-76	24,500	108,976	12	305	36	914
08642361	033-04-1096	3.00-3.49	76-89	24,500	108,976	14	356	36	914
08642364	033-04-1097	3.50-3.99	89-101	31,000	137,888	14	356	40	1,016

K-Type Grips* - Short, Forged Eye



E=Eye length
M=Mesh length at nominal diameter.

Rotating Eye, K-Type Pulling Grips are made of high strength galvanized steel strand. All grips feature double weave mesh for greater strength and added mesh contact on the cable, to handle longer or heavier pulling jobs. The forged eye mates easily with a swivel or shackle. They are specially designed for use in the installation of underground power cables, communication lines and service lines into factories, shopping centers, construction projects and general underground electrical construction.

Part Number	Description	Cable Diameter Range		Approximate Breaking Strength		E		M		OD Rotate Eye		Thickness of Eye	
		(in)	(mm)	(lbs)	(N)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
08642022	033-01-001	.50-.61	13-15	5,600	24,909	5	127	11	279	¾	22	.261	6
08642028	033-01-002	.62-.74	16-19	6,800	30,246	5	127	11	279	¾	22	.268	6
08642031	033-01-013	.75-.99	19-25	6,800	30,246	6	152	20	508	1	25	.52	13
08642037	033-01-014	1.00-1.24	25-31	12,800	56,934	7	178	20	508	1¾	35	.518	13
08642043	033-01-016	1.25-1.49	32-38	12,800	56,934	7	178	21	533	1¾	35	.535	14
08642049	033-01-017	1.50-1.99	38-51	16,400	72,947	7	178	25	635	1¾	35	.525	13
08642055	033-01-018	2.00-2.49	51-63	27,200	120,986	8	203	26	660	1¾	41	.64	16
08642058	033-01-019	2.50-2.99	64-76	33,000	146,784	10	254	28	711	1¾	48	.683	17
08642061	033-01-020	3.00-3.49	76-89	41,000	182,368	10	254	30	762	1¾	48	.69	18
08642064	033-01-021	3.50-3.99	89-101	48,000	213,504	10	254	32	813	1¾	48	.69	18
08642067	033-01-1017	4.00-4.49	102-114	48,000	213,504	10	254	33	838	1¾	48	.687	17

K-Type Grips* - Standard, Forged Eye

Part Number	Description	Cable Diameter Range		Approximate Breaking Strength		E		M		OD Rotate Eye		Thickness of Eye	
		(in)	(mm)	(lbs)	(N)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
08642122	033-01-011	.50-.61	13-15	5,600	24,909	5	127	16	406	¾	22	.277	7
08642128	033-01-012	.62-.74	16-19	6,800	30,246	5	127	16	406	¾	22	.331	8
08642131	033-01-024	.75-.99	19-25	9,600	42,701	6	152	32	813	1	25	.515	13
08642137	033-01-025	1.00-1.49	25-38	16,400	72,947	7	178	33	838	1¾	35	.52	13
08642149	033-01-026	1.50-1.99	38-51	16,400	72,947	7	178	34	864	1¾	35	.537	14
08642155	033-01-027	2.00-2.49	51-63	27,200	120,986	9	229	36	914	1¾	41	.65	17
08642158	033-01-028	2.50-2.99	64-76	33,000	146,784	10	254	38	965	1¾	48	.68	17
08642161	033-01-029	3.00-3.49	76-89	41,000	182,368	10	254	39	991	1¾	48	.685	17
08642164	033-01-030	3.50-3.99	89-101	48,000	213,504	10	254	41	1,041	1¾	48	.67	17
08642167	033-01-031	4.00-4.49	102-114	48,000	213,504	10	254	42	1,067	1¾	48	.692	18
08642170	033-01-039	4.50-4.99	114-127	48,000	213,504	10	254	58	1,473	1¾	48	.68	17
08642173	033-01-047	5.00-5.99	127-152	48,000	213,504	10	254	60	1,524	1¾	48	.682	17
08642176	033-01-045	6.00-6.99	152-178	48,000	213,504	10	254	66	1,676	1¾	48	.69	18

*Rotating Eye is not a swivel. It will not turn while under tension, but it can turn to relieve pulling torque when the tension is relaxed.



Pulling Grips

CONDUX

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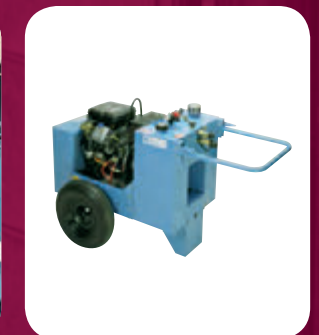
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ABOUT: CABLE PULLING

Condux offers self-contained CableGlider cable puller models that can be configured to adapt to a variety of power, fiber optic and other cable pulling situations. The CableGlider® LW offers portability and ease of set-up. CableGlider Accessories, Running Line Tensiometers and Cable Pulling Lubricants are also available from Condux for power utility and construction industry applications.

Condux also offers equipment specifically designed for fiber optic cable pulling situations. Various Fiber Optic Cable Puller packages and accessories are available. Condux has years of experience designing cable pulling equipment. The full line of CableGliders, Pullers and Accessories brings an unmatched element of safety, productivity and quality to every cable pulling job.

Cableglider® LW

The Condux Cableglider LW offers portability and ease of set-up, one-person operation, in a completely self-contained unit to adapt to a variety of pulling situations. It comes equipped with a one speed motor and gearbox that provides up to 3,000 lbs of pulling force.

Design features include: a pivoting arm, split conduit adapters and a foot switch for operator convenience and safety, recommend to be used with $\frac{3}{8}$ " - $\frac{1}{2}$ " diameter rope.

Cableglider LW includes the following items:

- Puller
- Foot switch
- Fork
- Canvas carrying bag

Part Number	Description
08678200	CableGlider LW (Includes: Puller, Foot Switch, Fork & Canvas Bag)

Specifications		
PULLING FORCE	lbs	Kn
Maximum	3,000	13
PULLING SPEED	ft/min	m/min
No Load	30	9
Power Requirements		
	115 VAC @ 9 AMPS	
PEAK POWER	.95 HP .708 KW	
GENERATOR	3500 WATT Recommended, 2500 Watt Minimum	

FYI
Adapters sold separately
see page 94.



1" - 5" Conduit Adapters



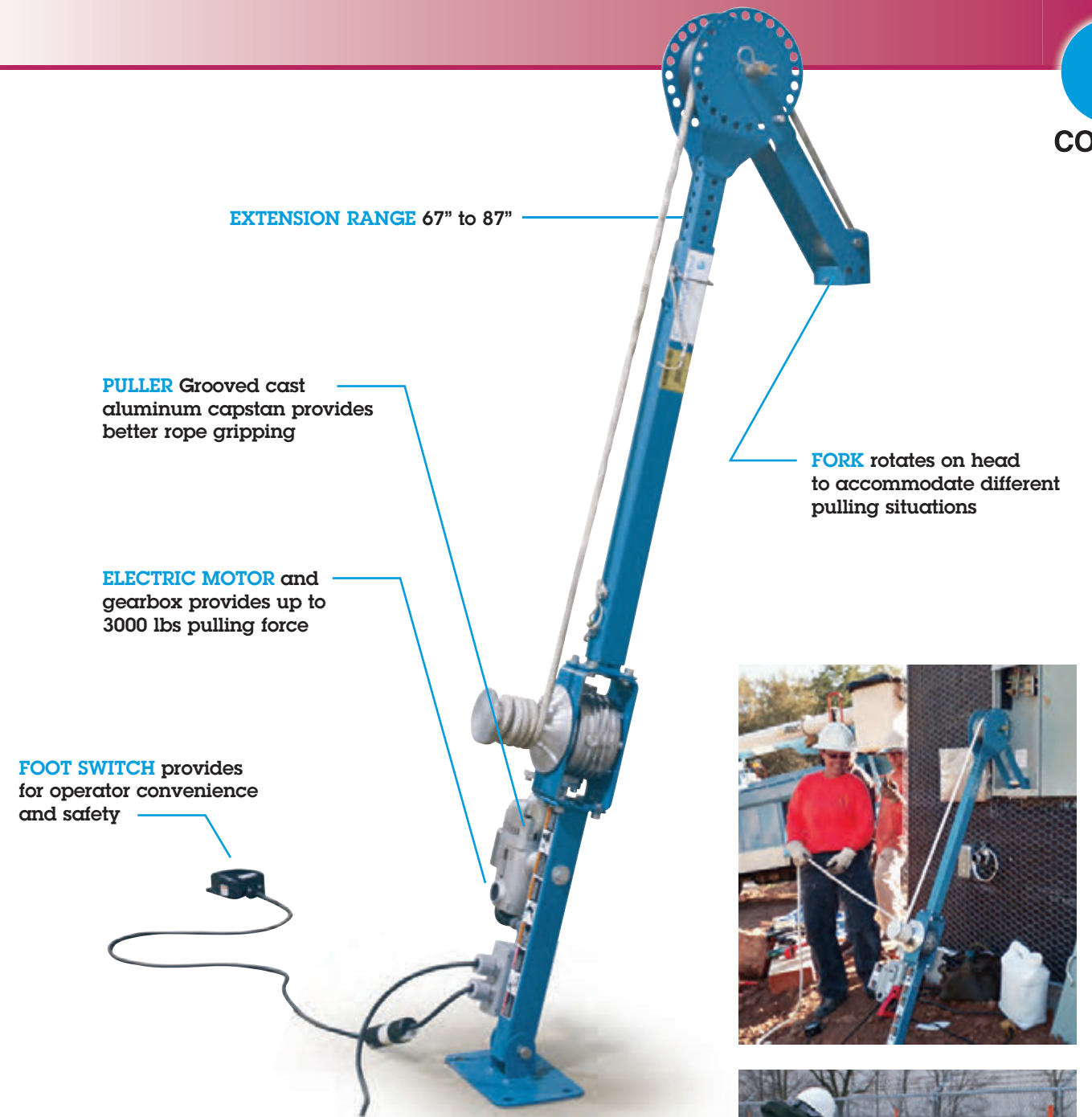
Adapters Split for Easy Removal



Retaining Fork



Can be used for Vertical or Horizontal Pulls





Cableglider LW® Tripod

Pull an additional 5-feet of slack with the Condux LW CableGlider Tripod.

Part No.	Description
08678350	3,000 lb CG Tripod
08678370	3,000 lb CG Tripod Retro Kit

Conduit Adapters

Replacement adapters are available, which allow pulling into conduit up to 4" (102 mm). The external adapters are designed to fit the OD of the conduit, while the internal adapters when used with the external adapters fit the ID of the conduit. All adapters come split for easy removal.

External Adapters

Part Number	Description
08678240	External Adapter, 1.00" (25 mm) Conduit
08678245	External Adapter, 1.25" (32 mm) Conduit
08678250	External Adapter, 1.50" (38 mm) Conduit
08678255	External Adapter, 2.00" (51 mm) Conduit
08678260	External Adapter, 2.50" (64 mm) Conduit
08678265	External Adapter, 3.00" (76 mm) Conduit
08678270	External Adapter, 3.50" (89 mm) Conduit
08678275	External Adapter, 4.00" (102 mm) Conduit
08678300	External Adapter, 5.00" (127 mm) Conduit

Internal Adapters (Requires External Adapters)

Part Number	Description
08678276	Internal Adapter, 1.00" (25 mm) Conduit
08678277	Internal Adapter, 1.25" (32 mm) Conduit
08678278	Internal Adapter, 1.50" (38 mm) Conduit
08678279	Internal Adapter, 2.00" (51 mm) Conduit
08678280	Internal Adapter, 2.50" (64 mm) Conduit
08678281	Internal Adapter, 3.00" (76 mm) Conduit
08678282	Internal Adapter, 3.50" (89 mm) Conduit
08678283	Internal Adapter, 4.00" (102 mm) Conduit
08678303	Internal Adapter, 2.00" (51 mm) Conduit Sch 80
08678304	Internal Adapter, 3.00" (76 mm) Conduit Sch 80
08678305	Internal Adapter, 4.00" (102 mm) Conduit Sch 80
08678306	Internal Adapter, 5.00" (127 mm) Conduit Sch 80

Adapter Kits

Part Number	Description
08678307	External Adapter Kit, 1.00-4.00" (25-127 mm) Conduit
08678320	Internal Adapter Kit, 1.00-4.00" (25-127 mm) Conduit

Extension Frame

The Extension Frame is ideal for pulling in handholes and pull boxes when added reach is necessary.

Part Number	Description
08678295	Extension Frame LW Puller

Fork Extension

Allows you to install an additional 6-inches (152 mm) of slack in a panel when used with the standard retaining fork.

Part Number	Description
08678309	Fork Extension

LW Cableglider Amp-Type Tensiometer

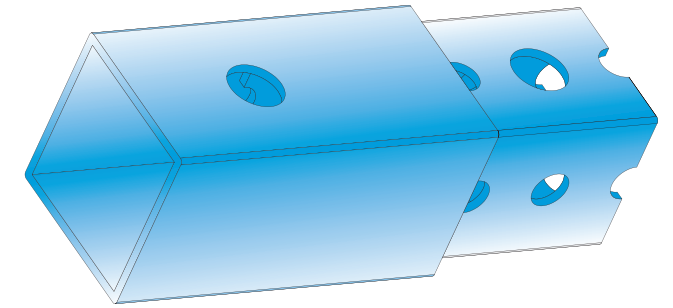
Monitors pull tension based on the number of amps the motor is drawing. Useful when superior accuracy is not required (Accuracy is ±20%) Amp usage is then translated into a tension reading shown on the display.

Part Number	Description
08674110	110 Volt Amp-Type Tensiometer (LW model)

Hitch Mount Adapter LW Cableglider®

Hitch Mount Adapters are a fast, easy way to mount the LW Cableglider. The Hitch Mount Adapter attaches directly into a typical 2" (51 mm) square Reese-type receiver.

Part Number	Description
08678217	LW Hitch Mount Adapter



Floor/Conduit/Pole Mount Frame LW Cableglider®

Makes it possible to attach the power pack to the floor, steel conduit, I-beams or a wood pole. Usually is used where there is limited access for overhead pulling or pulling from pole risers. Floor mounting requires 5/8" or M16 fasteners, grade 5 or better.

NOTE: 24" (610 mm) diameter maximum pole.

WARNING: CableGlider Cable Pullers are not to be used as a hoist or for lifting, supporting or transporting people or loads.

Part Number	Description
08674000	Floor/Conduit/Pole Mount Frame LW Cableglider (Complete Kit)
08674001	Brackets, LW Cableglider
08674005	Floor/Conduit/Pole Mount Frame





ABOUT: CABLE BLOWING

Condux has been an innovator in cable blowing for a number of years. Cable blowing equipment from Condux is ideal for last mile fiber installations. The Fiber Optic Cable Blower is designed to protect the cable while installing it quickly and efficiently. A Micro Duct/Fiber Blower is also available for micro fiber installations. Condux also offers a range of Innerduct Couplings and Lubricants for cable blowing applications.

The Split Winch Line blower installs winch line, rope and measuring tape into 2-inch through 6-inch HDPE and PVC duct systems utilizing interchangeable adapters with one body. Condux's innovative cable blowing products improve job productivity and safety.

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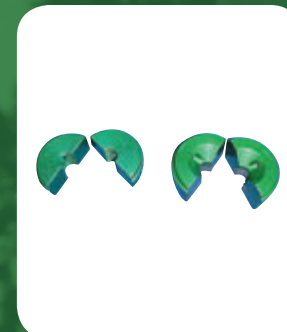
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An Efficient Method

Fiber optic cable blowing is one of the most efficient and safe means of installing fiber optic cable. A pressurized blowing system uses two forces to install fiber optic cable. A pulling force combines with a pushing force to cause the cable to travel through the duct like air. Today's fiber optic cable installations benefit from the pressurized blowing system because it provides greater installation speeds with less stress than traditional cable pulling.

The cable blower unit utilizes a hydraulic power system and an air compressor to generate the desired push and pull forces. Working together, this dual power supply provides greater blowing power with lower air consumption. Controls and gauges on the cable blower allow the operator to monitor the forces being exerted on the cable. The operator can make adjustments to make sure the forces being exerted on the cable are working with one another, not against one another.

Blowing minimizes the stress placed on cable during installation. Because the cable blower provides both pulling and pushing force, stress is balanced. For example, at 135 psi (9.3 bar) in 2 inch (51 mm) duct only 430 lbs (1,913 N) of pulling force is generated.

Blowing vs. Pulling

Blowing cable is different from pulling cable in several ways. During cable pulling, the cable is kept taut and only pull force is applied. It travels in a straight line until a bend or curve changes its path. The cable ultimately rubs on each of the bends or curves, creating friction. As more pulling force is added to counteract the friction, additional stress is added to the cable.

Compared to a pulling application, blowing cable is faster and puts the cable under less stress.

Through cable blowing, contractors are able to install more cable per day with less manpower. This means increased productivity and decreased cost.

How To: The Typical Process

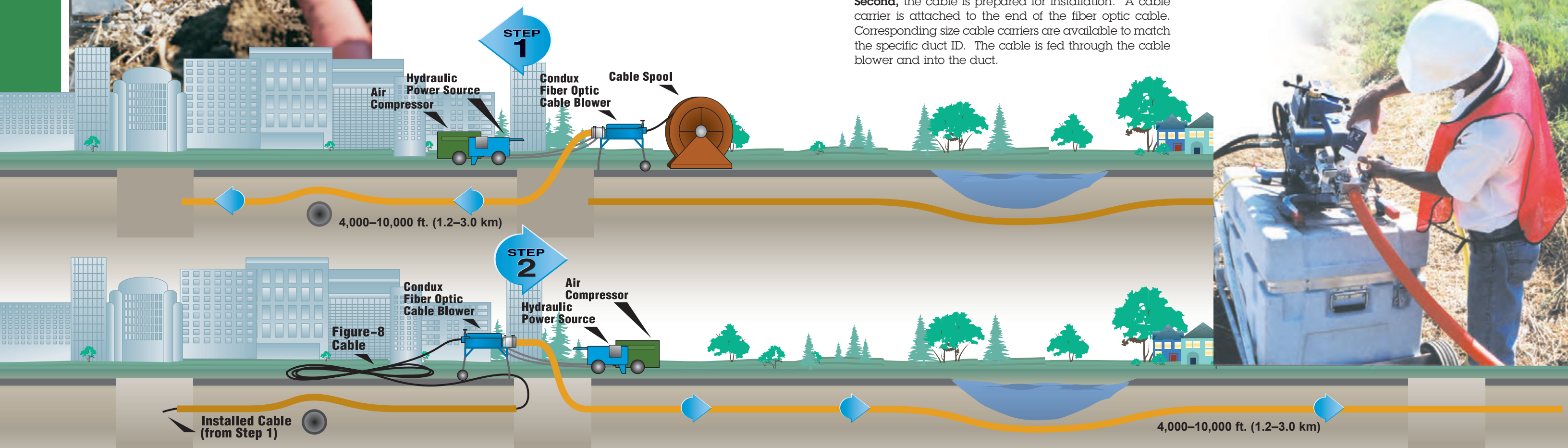
The typical cable blowing process consists of several steps. **First**, the duct integrity is checked. It is pressurized to check for leaks. In order to ensure a successful installation, the duct must be airtight and free of obstruction. Then a small amount of lubricant is poured in the duct and a foam carrier is blown through the run, confirming its integrity.

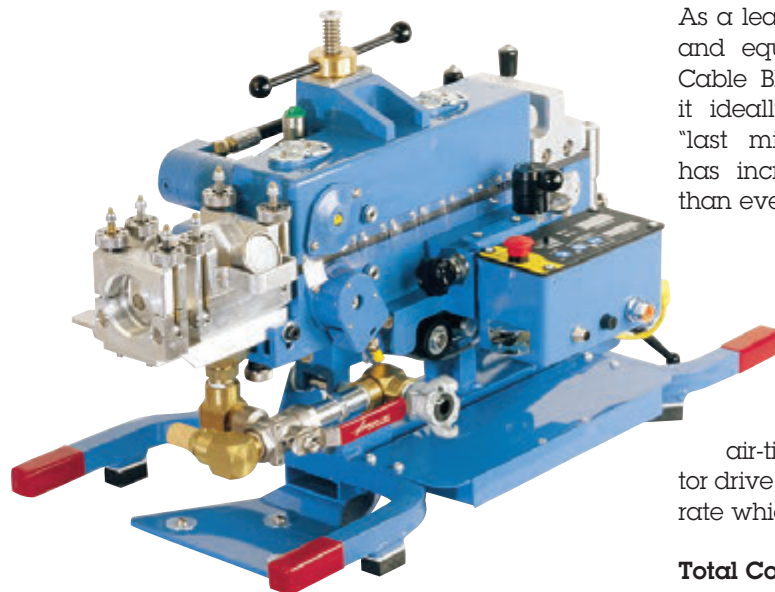
Second, the cable is prepared for installation. A cable carrier is attached to the end of the fiber optic cable. Corresponding size cable carriers are available to match the specific duct ID. The cable is fed through the cable blower and into the duct.

Third, the duct is lubricated. Lubricant is added in front of the cable carrier and behind the cable carrier.

Fourth, the blowing process begins. Pressure (compressed air) is applied to the duct behind the cable carrier. As the pressure tries to equalize, it seeks out the path of least resistance and creates a pushing force on the cable carrier, causing forward motion. The moving cable carrier, in turn, exerts a pulling force on the cable and begins to move it through the duct.

Meanwhile, an additional pushing force is applied to the cable by a hydraulic powered tractor drive on the cable blower. Use of a hydraulic tractor drive reduces air consumption requirements from the air compressor. Plus, the push force from the tractor drive provides cable slack, reduces back tension and keeps the cable loose and flexible. Friction and resistance are then reduced and the cable can travel freely through the duct work.





Fiber Optic Cable Blower

Ideal for "Last Mile" Fiber Installations

As a leader in the manufacture of cable installation tools and equipment, Condux offers a superior Fiber Optic Cable Blower that is compact and lightweight, making it ideally suited for your most difficult job sites and "last mile" fiber installations. An updated design has increased portability and made operation easier than ever.

Fast

Install up to 300 feet of fiber optic cable per minute (90 m/min). The cable travels at the same speed as the air! A carrier is always attached to the front of the cable. Compressed air propels the carrier and cable through the air-tight sealed duct. And, because air flow and tractor drive speed can be adjusted, you can install fiber at the rate which best suits any application.

Total Control

The Condux Fiber Optic Cable Blower features longer tractor feed grip area for less stress on the cable, and a hydraulic cylinder on the tractor feed to better control down pressure. Condux's patented traction control system shuts down the blower when problems with cable slippage or duct blockage are detected, adding safety to every job and preventing costly cable damage.

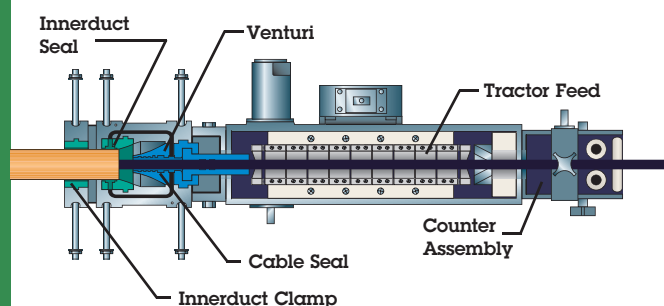
A speed and distance counter with LCD read-out, as well as convenient hydraulic and pneumatic controls, come standard with the Condux Fiber Optic Cable Blower. Blowers equipped with the Advanced Electronic Control System will shut down if slippage, over-speed or cable stoppage is detected.

Versatility

The Condux Fiber Optic Cable Blower operates efficiently with most common combinations of cable and innerduct sizes. The Fiber Optic Cable Blower is designed for the installation of fiber optic cables with diameters from 0.23" (5.8 mm) to 1.13" (28.7 mm) into innerduct from 0.98" (25 mm) outer diameter to 1.97" (50.0 mm) outer diameter.

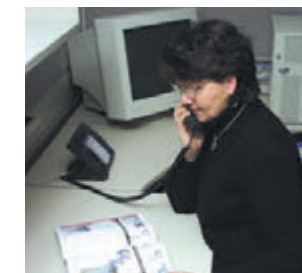
The correct size cable seals and venturi must be determined for the cable being installed. Also necessary are the correct size innerduct seals, clamps and carrier for the innerduct being occupied.

Use the charts on page 120 to determine the correct size components for your specific cable and innerduct installation project. Use both the size and color reference to ensure the correct selection each time the Cable Blower is used.



Superior Service & Support

The Condux Fiber Optic Cable Blower is precision manufactured in the USA by Condux International, Inc. Over 25 years of technical experience and superior customer service is behind every product sold.



Smart Design, Easy to Operate

Convenient tilting of the Condux Fiber Optic Cable Blower for ease of pouring in lubricant. Easily install cable into rollers, then close and you are ready to start.

Hydraulic & pneumatic controls are ergonomically designed and conveniently located. No special maintenance is required.



Quick Lube



Lightweight & Portable, Everything's Inside

The Condux Fiber Optic Cable Blower is extremely easy to handle and transport. The blower and all accessories including hydraulic hoses, cable and conduit packs and seal kits conveniently fit into a lightweight job box with wheels.



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ABOUT: CABLE GUIDES

Condux Cable Guides are designed to protect and safely guide cable during a range of coaxial and fiber optic cable pulling applications. A variety of mounting options are available for Condux's complete line of Cable Guides. The line includes Fiber Optic Cable Guides, Flexible Cable Guides and Cable Guide Accessories.

Condux Quad Blocks are designed to protect cable during installation. The Fiber Optic Cable and Hooked Hanger Sheaves install cable safely and efficiently. Condux uses years of experience to design each Cable Guide to improve safety and productivity during a variety of cable installation projects.

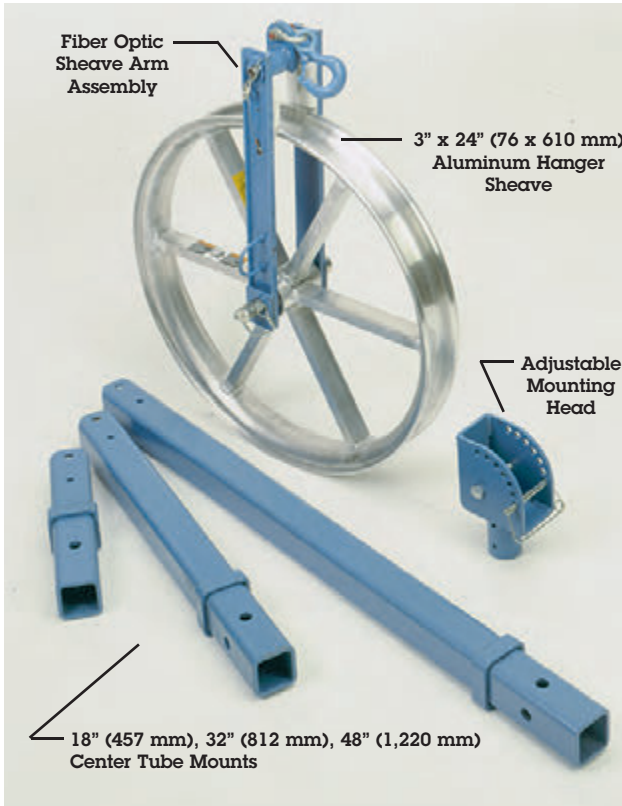


Fiber Optic Jamb Skid

The Condux Fiber Optic Jamb Skid is a device for supporting fiber optic sheaves or quadrant blocks inside a manhole to pull fiber optic cable into underground conduit.

Constructed of steel tubing, the Fiber Optic Jamb Skid is both strong, 1,000 lbs. (4,480 N) load rated, and lightweight, can be installed by one person.

Part Number	Description	Manhole Height Range	
		(in)	(mm)
08097100	46" (1,168 mm) Base Section with locking pins		
08097200	43" (1,092 mm) Extension	49-80	1,244-2,032



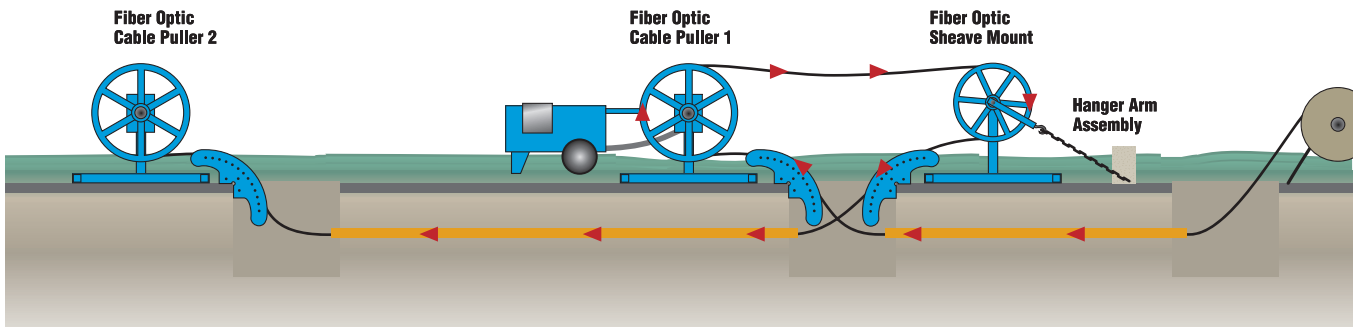
Fiber Optic Sheave Mount

Fiber Optic Sheave Mounts are an ideal solution to mid-point cable pulling situations. The adjustable sheave mount allows pinpoint adjustment from horizontal to vertical. Portable components set up quickly and adjust from job to job, offering maximum versatility with minimum equipment. Uses a standard 2½" (64 mm) square mounting post for use with FO Cable Puller Remote Mounting Stand (see page 100) or Mounting Sockets (page 102).

Fiber Optic Sheave Mount Components

Part Number	Description
08637900	Adjustable Sheave Mounting Head (includes sheave mounting shaft & pins)
08637909	18" (457 mm) Center Tube Mount
08637910	32" (812 mm) Center Tube Mount
08637911	48" (1,220 mm) Center Tube Mount
08637912	Fiber Optic Sheave Arm Assembly
08637743	Fiber Optic Aluminum Hanger Sheave
08675115	Fiber Optic Puller Remote Mounting Stand Assembly (See page 110 for details)

Replacement Sheaves available. See Specifications and Selection Charts on page 143.



Fiber Optic Sheave Mount Packages

Part Number	Description
08637930	Adjustable Fiber Optic Sheave Mount, Pkg 1 Includes mounting head, all 3 mounting tubes, sheave and sheave arm assembly.
08637940	Adjustable Fiber Optic Sheave Mount, Pkg 2 Includes mounting head, all 3 mounting tubes, and sheave.



Fiber Optic Sheave Mount Package 1



Fiber Optic Sheave Mount Package 2



Fiber Optic Sheave Mounting Stand, Sheave Horizontal



Fiber Optic Sheave Mounting Stand, Sheave Vertical.



Fiber Optic Sheave Mounting Stand, Sheave at 45° Angle.



Fiber Optic Quadrant Block

Protects fiber optic cable during installation. Pulling radius of 26" (660 mm); 13 aluminum rollers on bronze bearings allow cable to make a gradual 90° turn for easy pulling through manhole opening. Lightweight, corrosion-resistant aluminum side plates. Can be lowered into any manhole opening and chained in place for good alignment or used as a cable guide at street level. 2,600 lbs. (11,565 N) cable tension load capacity. 1½" (38 mm) maximum cable diameter (consult cable manufacturer for minimum bend radius). Support bar sold separately (see page 142). Replacement Sheaves available. See Specifications and Selection Charts on page 143.

Part Number	Description
08539350	Quadrant Block



Hanger Arms

Allows the hanging of the Fiber Optic Quadrant Block in a manhole for more flexible positioning.

Part Number	Description
08539320	Hanger Arm



Hanger Arm



Fiber Optic Hanger Block

Five aluminum rollers on bronze bearings allow cable to make a gradual 90° turn for easy pulling through manhole opening. Has a pulling radius of 12" (305 mm). Two non-metallic "keeper" rollers to hold the cable in place during the pull. Lightweight corrosion resistant aluminum side plates. Can be suspended in the manhole or hung on an overhead pole for easy pulls. ¾" (19 mm) maximum cable diameter (consult cable manufacturer for minimum bend radius). 800 lbs. (3,558 N) cable tension load capacity. Replacement Sheaves available. See Specifications and Selection Charts on page 143.

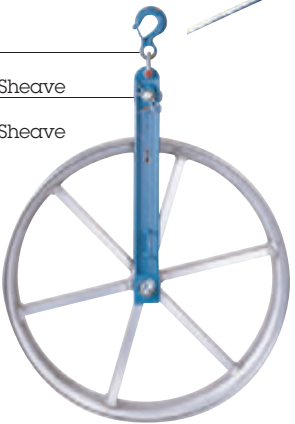
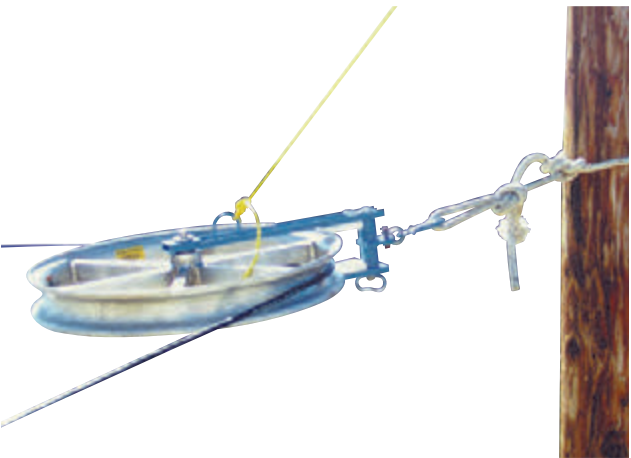
Part Number	Description
08539550	Hanger Block

Overhead Fiber Optic Cable Sheave

Specially designed in cooperation with Alcoa Fujikura Ltd. for guiding fiber optic or CATV cable safely and efficiently. Condux Cable Sheaves feature an innovative hanger arm that eliminates the possibility of cable coming off the sheave or binding against the support arm. With the removal of a pin, the hanger arm separates and allows cable to be slipped in easily, even at midpoints.

12-inch (305 mm) or 24-inch (610 mm) sheave diameters allow for a gentle cable arc. Aluminum sheave construction means durability with less weight. Maximum capacity is 1,500 lbs. (6,672 N). Replacement Sheaves available. See Specifications and Selection Charts on page 143.

Part Number	Description
08637840	12" (305 mm) Overhead Fiber Optic Cable Sheave
08637825	24" (610 mm) Overhead Fiber Optic Cable Sheave



Underground Fiber Optic Cable Sheave

The Underground Fiber Optic Sheave has all the features of the Overhead Sheave (above) but with an additional second arm for convenient tie-off. Replacement Sheaves available. See Specifications and Selection Charts on page 143.

Part Number	Description
08637800	Underground Fiber Optic Cable Sheave NOTE: Sheave Size 24" O.D.





Flexible Cable Guide with Aluminum Adapters

Cable feeds through the Bell Adapter and exits through the Duct Adapter which fits into the duct. Bell Adapter and Duct Adapter included for specific duct and guide size ordered. Other lengths available upon request.

Part Number	Flex Guide Dia.		Flex Guide Length	
	(in)	(mm)	(ft)	(m)
08931009	2	51	9	2.7
08931012	2	51	12	3.6
08934009	4	102	9	2.7
08934012	4	102	12	3.6
08935009	5	127	9	2.7
08935012	5	127	12	3.6
08936009	6	152	9	2.7
08936012	6	152	12	3.6
08988009*	8	203	9	2.7
08988012*	8	203	12	3.6

*Call for lead time.

Duct Adapter

Part Number	Flex. Guide Dia.		Duct Size		OD		ID	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
08960200**	2	51	Innerduct				1.00	25
08931010	2	51	1	25	0.90	23	0.72	18
08931013	2	51	1 1/4	32	1.22	31	1.00	25
08931015	2	51	1 1/2	38	1.44	37	1.19	30
08931020*	2	51	2	51	1.91	49	1.66	42
08934020	4	102	2	51	1.91	49	1.65	42
08934030	4	102	3	76	2.94	75	2.69	68
08934035	4	102	3 1/2	89	3.44	80	3.13	87
08934040*	4	102	4	102	3.94	100	3.69	94
08935020	5	127	2	51	1.98	50	1.75	44
08935030	5	127	3	76	2.98	76	2.75	70
08935035	5	127	3 1/2	89	3.45	88	3.25	83
08935040	5	127	4	102	3.93	100	3.75	95
08935050*	5	127	5	127	4.93	125	4.50	114
08936040	6	152	4	102	3.93	100	3.50	89
08936050	6	152	5	127	4.94	125	4.63	118
08936060*	6	152	6	152	5.94	151	5.63	143
08988080*	8	203	8	203	7.94	202	7.62	194

*Included with cable guide unit above for that specific duct size.

**Tapered and threaded to fit over 1-2" (25-51 mm) innerduct.

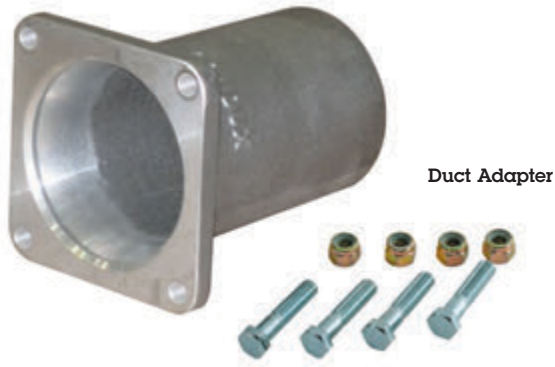
Bell Adapter* (includes mounting bolts)

Part Number	Size		ID	
	(in)	(mm)	(in)	(mm)
08931000	2	51	2.00	51
08934000	4	102	4.00	102
08935000	5	127	5.00	127
08936000	6	152	6.00	152
08988000	8	203	8.00	203

*Included with cable guide unit above for that specific guide size.

Extensions (includes mounting bolts)

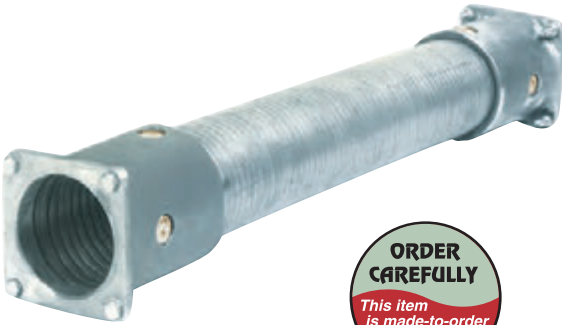
Part Number	Flex. Guide Dia.		Extension Length	
	(in)	(mm)	(ft)	(m)
08931503	2	51	3	.9
08931506	2	51	6	1.8
08931509	2	51	9	2.7
08931512	2	51	12	3.6
08934503	4	102	3	.9
08934506	4	102	6	1.8
08934509	4	102	9	2.7
08934512	4	102	12	3.6
08935503	5	127	3	.9
08935506	5	127	6	1.8
08935509	5	127	9	2.7
08935512	5	127	12	3.6
08936503	6	152	3	.9
08936506	6	152	6	1.8
08936509	6	152	9	2.7
08936512	6	152	12	3.6
08988503	8	203	3	.9
08988506	8	203	6	1.8
08988509	8	203	9	2.7
08988512	8	203	12	3.6



Duct Adapter



Bell Adapter



FYI
Special lengths available upon request.

Close Clearance Flexible Cable Guides

For guiding cable from the reel into the duct. The cable feeds through the Bell Adapter and exits through the Duct Adapter which fits into the duct. Duct Adapters ordered separately, see below. Other lengths available upon request.

Part Number	Flex. Guide Dia.		Flex. Guide Length	
	(in)	(mm)	(ft)	(m)
08040109	4	102	9	2.28
08041009	5	127	9	2.28
08044509	6	152	9	2.28

Extensions

Part Number	Flex. Guide Dia.		Extension Length	
	(in)	(mm)	(ft)	(m)
08040203	4	102	3 1/2	3.7
08041103	5	127	3 1/2	3.7
08044603	6	152	3 1/2	3.7



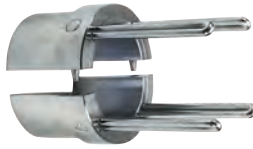
FYI
Special lengths available upon request.

Steel Duct Adapters

Part Number	Duct Adapter Diameter		Duct Size		Style	OD		ID	
	(in)	(mm)	(in)	(mm)		(in)	(mm)	(in)	(mm)
08040300	4	102	3	76	Round	2.93	74	2.68	68
08040400	4	102	3 1/4	83	Round	3.06	74	2.81	71
08040600	4	102	3 1/2	89	Round	3.43	87	3.18	81
08040800	4	102	4	102	Round	3.81	97	3.62	92
08087200	4	102	5	127	Round	4.81	122	4.63	118
08040900	5	127	4	102	Round	3.87	98	3.69	94
08041300	5	127	5	127	Round	4.81	122	4.62	117
08041200	5	127	6	152	Round	5.81	148	4.62	117
08087000	6	152	5	127	Round	4.81	122	4.62	117
08086800	6	152	6	152	Round	5.81	148	5.62	143
08040133	4	102	3 1/4	83	Square	—	—	2.81	71
08040136	4	102	3 1/2	89	Square	—	—	3.25	83
08040142	4	102	4	102	Square	—	—	3.62	92



Round Adapter



Square Adapter

Split Cable Guides

Ease of removal from cable being installed allows for "figure-eight" type installation, so cable remaining on reel can be pulled in a different direction without having to terminate and splice. Ideal for use with pre-connectorized cable. Split feeder is hinged on one side and has a series of flexible latches on the other side to allow full closure.

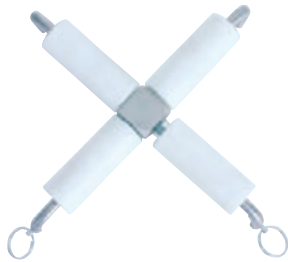
Requires steel duct adapters (above, this page).

Part Number	Split Guide Dia.		Split Guide Length	
	(in)	(mm)	(ft)	(m)
08064700	4	102	7 1/2	2.3

Extension For Split Cable Guide

Part Number	Extension Dia.		Extension Length	
	(in)	(mm)	(ft)	(m)
08064800	4	102	3 1/2	1.1





Cable Spreaders

4-6 inch Cable Spreaders attach to the CONDUX 4-6 inch Flex Guides to keep the cable separated as it goes into the flex guide. Comes standard with nylon rollers to help minimize friction and positive locking pins for attaching to the Flex Guide Bells.

Part Number	Description	Bell Size (in)
08041910	Spreader, Cable Bell Adapter	4
08041915	Spreader, Cable Bell Adapter	5
08041920	Spreader, Cable Bell Adapter	6



Lube Adapter Plates for Flex Guides

Lube adapter plates may be used at either the bell end or on the duct adapter end. Simply remove the bell or adapter end and insert lube adapter plate then use the supplied longer bolts to finish the lube adapter plate assembly.

Part Number	Description	Size (in)
08934075	Lube Adapter Plates for Flex Guides	4
08935075	Lube Adapter Plates for Flex Guides	5
08936075	Lube Adapter Plates for Flex Guides	6



5 or 6 Gallon Lube Pump

Lube pump quickly attaches to the lube adapter plate. Comes with four foot of hose. (Longer lengths not supplied) Fits on either a 5 or 6 gallon pail.

Part Number	Description
08931100	5 or 6 Gallon Lube Pump

Jamb Skid

The Condux Jamb Skid is a device for supporting sheaves or quadrant blocks inside a manhole to pull cable into underground conduit.

By positioning the top of the jamb skid against the underside of the manhole opening, and using the camlock foot pedal, set-up can be done in a fraction of the time it takes to install a hanging sheave assembly. Pulling tension actually increases the stability of the Jamb Skid during the pull. No dangerous breakage of chains or straps. The Jamb Skid is especially useful when there are no pulling-in irons available, or when the existing irons do not align correctly with the duct opening. The Jamb Skid can be placed anywhere within a 360° radius inside the manhole.

Constructed of solid aluminum, the Jamb Skid is both strong and lightweight. In most instances it can be installed by one person. The complete unit is created by combining a base unit with one of several extension units, depending upon the height required. Locking 1 1/4" (32 mm) pins, allow the height adjustment of the Jamb Skid. Also, the width adjusts to accept all Condux sheave assemblies up through 8" (203 mm). 10,000 lbs. (44,480 N) cable tension load rated.

NOTE: Order base section and choice of extension separately for a complete Jamb Skid unit. Locking pins are included with the base section.

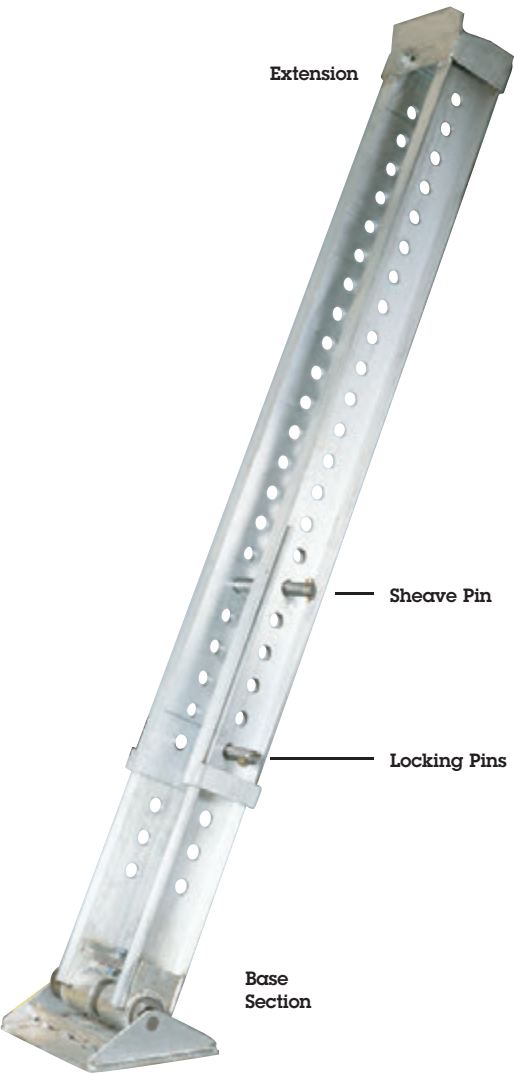
Part Number	Description	Manhole Height Range (in)	(mm)
08097000	58" (1,168 mm) Base Section with locking pins		
08097001	43" (1,092 mm) Extension	63-80	1,244-2,032
08097002	76" (1,930 mm) Extension	78-109	1,981-2,767
08097003	109" (2,769 mm) Extension	107-138	2,718-3,505

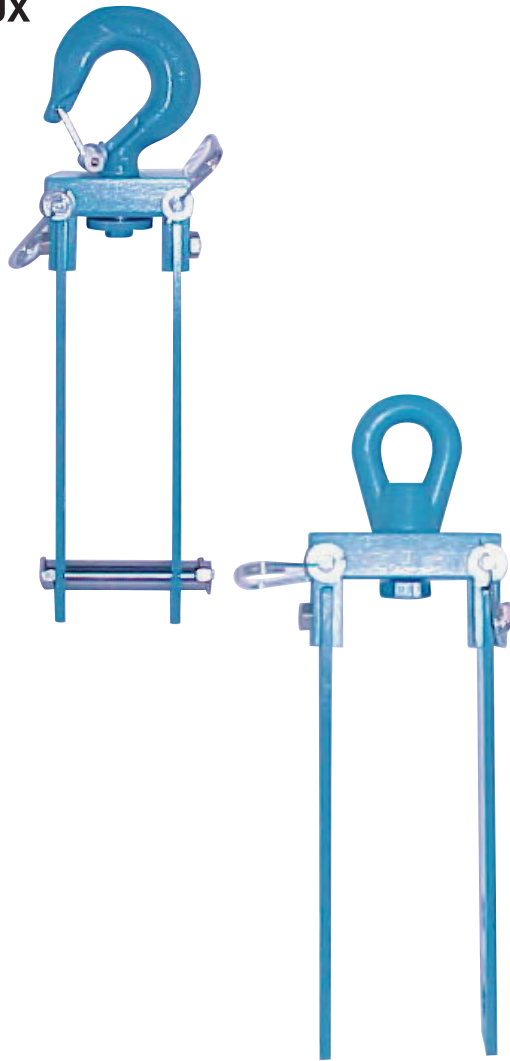
Replacement Pins

Part Number	Description
08097040	1 1/4" (32 mm) diameter pin
08097060	Locking Pin Kit

Sheaves

Refer to the chart on page 155 for specifications on sheave products for use with the Condux Jamb Skid.





Hanger Arms for 10,000 lb. Sheaves

Accessory Hanger Arms for HD Sheaves.

Part Number	Description	Sheave Size	
		(in)	(mm)
08041470	Hanger Arm w/hook & axle	3 x 11	76 x 279
08042470	Hanger Arm w/hook & axle	4 x 11	102 x 179
08042470	Hanger Arm w/hook & axle	4 x 20	102 x 508
08042570	Hanger Arm w/hook & axle	5 x 11	127 x 279
08042570	Hanger Arm w/hook & axle	5 x 20	127 x 508
08082670	Hanger Arm w/hook & axle	6 x 11	152 x 279
08082870	Hanger Arm w/hook & axle	8 x 11	203 x 279
08539245	Hanger Arm w/hook & axle	5 x 26.5	127 x 673

Second Arm for 10,000 lb. Sheaves

Part Number	Description	Sheave Size	
		(in)	(mm)
08041472	Hanger Arm w/eye nut	3 x 11	76 x 279
08042472	Hanger Arm w/eye nut	4 x 11	102 x 179
08042472	Hanger Arm w/eye nut	4 x 20	102 x 508
08042572	Hanger Arm w/eye nut	5 x 11	127 x 179
08042572	Hanger Arm w/eye nut	5 x 20	127 x 508
08082672	Hanger Arm w/eye nut	6 x 11	152 x 279
08082872	Hanger Arm w/eye nut	8 x 11	203 x 279
08539246	Hanger Arm w/eye nut	5 x 26.5	127 x 673



Light Base Sheave

The light base sheave fits on top of the light pole base. The bolt pattern will fit most light base bolt patterns.

- Used to protect cable from damage when pulling slack
- Powder coated base made of steel with 5" aluminum

Specifications	
Height	15"
Weight	25 lbs.
Bolt Circle Capacity	7.8" diameter to 14.8" diameter
Mounting Bolt Diameter	1" diameter at 7.8" bolt circle 1½" at 14.38" bolt circle

Part Number	Description
08531100	Light Base Sheave

Replacement Part Numbers	Description
08531101	Base
08539236	5" Sheave
08531105	Shaft
08041905	Clip pins

Hooked Hanger Sheaves

Tie off in the manhole to guide cable into the duct. Also used with alignment arm for cable removal. Hinged yoke for easy cable installation and removal. 10,000 lbs. (44,480 N) cable tension load capacity. See replacement sheave chart for specifications on sheave sizes. Alignment arm sold separately. Replacement Sheaves available. See Specifications and Selection Charts on page 143.

Part Number	Sheave Size	
	(in)	(mm)
08041400	3 x 11	76 x 279
08042400	4 x 11	102 x 279
08042420	4 x 20	102 x 508
08042500	5 x 11	127 x 279
08042520	5 x 20	127 x 508
08042526	5 x 26½	127 x 673
08042527	5 x 26½	127 x 673 w/Light Duty Hanger Arm
08082600	6 x 11	152 x 279
08082800	8 x 11	203 x 279
08045901	Alignment arm for 3, 4, & 5" (76, 102, & 127 mm) sheaves	

4,000 lb. Hooked Hanger Sheaves

Tie off in manhole to guide cable into and out of duct. 4,000 lbs cable tension load capacity. For less demanding cable pulling applications than Condux 10,000 lbs sheaves. Replacement Sheaves available. See Specifications and Selection Charts on page 143.

- Steel welded frame
- Nylon cable protectors
- Lightweight
- Cast aluminum sheaves
- Forged hook with 1.12" opening

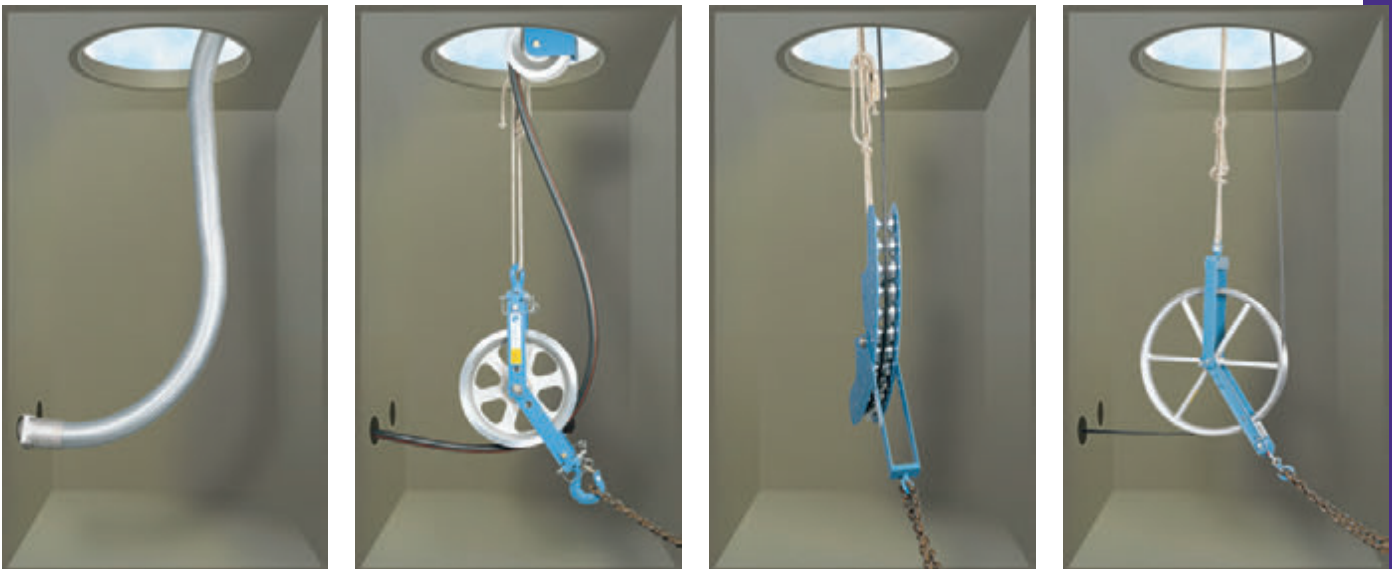
Part Number	Sheave Size		
	(in)	(mm)	
08042611	5 x 11	127 x 279	Aluminum
08042610	5 x 11	127 x 279	Nylatron
08042620	5 x 20	127 x 508	Aluminum
08042626	5 x 26½	127 x 673	Aluminum
08042650	8 x 26	203 x 660	Aluminum

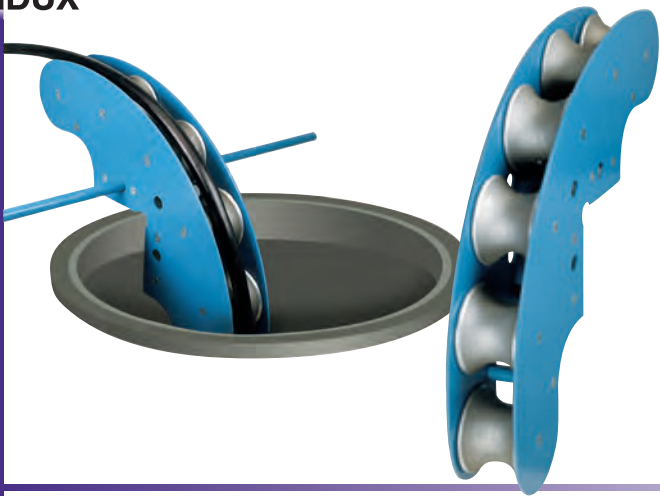
4,000 lb. Hooked Hanger Sheave

Hooked Hanger Sheave Assembly with 26½" (673 mm) Sheave

Hooked Hanger Sheave Assembly with Alignment Arm

Alignment Arm (sold separately)





Heavy Duty Quadrant Block

A series of 6 cast aluminum or 6 Nylatron® sheaves on bronze bearings allow cable to make a gradual 90° turn for easy pulling through manhole opening. Pulling radius of 24.25 inches (616 mm). Can also be suspended in manhole to provide alignment to duct run. 4,800 lbs. (21,350 N) cable tension load capacity. Support Bar sold separately (see pg. 142). Replacement Sheaves available. See Specifications and Selection Charts on page 143.

Part Number	Nylatron® Part Number	Size	
		(in)	(mm)
08539000	08539010	3	76
08539100	08539110	4	102
08539200	08539210	5	127



Hanger Arms

Allows the hanging of the HD Quadrant Blocks in a manhole for more flexible positioning.

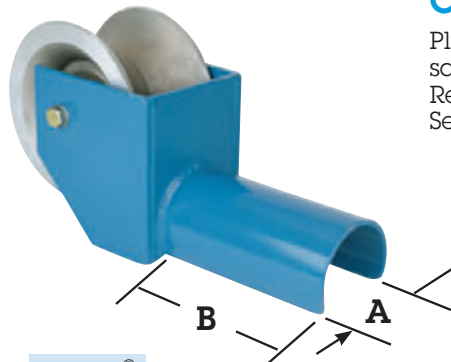
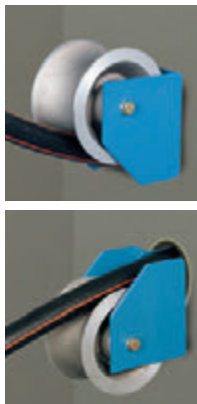
Part Number	Description	Used With
08041425	Hanger Arm w/pin-hook	3" HD Quad Block
08042425	Hanger Arm w/pin-hook	4" HD Quad Block
08539240	Hanger Arm w/pin-hook	5" HD Quad Block

Second Arm

Part Number	Description	Used With
08041430	Hanger Arm w/eye nut	3" HD Quad Block
08042430	Hanger Arm w/eye nut	4" HD Quad Block
08539246	Hanger Arm w/eye nut	5" HD Quad Block

Cable Feeding Sheaves

Plugs into conduit in manhole wall, guiding cable safely into the conduit regardless of the pulling angle. Replacement Sheaves available. See Specifications and Selection Charts on page 143.



Shown with available Nylatron® Roller

1.25" Cable Feeding Sheave

Part Number	Nylatron® Part Number	Size (in) (mm)	A Slot Width (in) (mm)	B Length (in) (mm)	I.D. Tube Width (in) (mm)	O.D. Tube Width (in) (mm)	Load Capacity (lbs) (N)
08617312	-	1 1/4 32	0.88 22	5 127	1.06 27	1.19 30	1,500 6,672
08617215	08617415	1 1/2 38	1.04 26	5 127	1.25 32	1.44 37	1,500 6,672
08617220	08617420	2 51	1.38 35	6 152	1.75 44	1.95 50	2,600 11,565
08617225	08617425	2 1/2 63	1.44 37	8 203	2.16 55	2.40 61	2,600 11,565
08617230	08617430	3 76	2.25 57	12 305	2.62 67	2.95 75	4,800 21,350
08617270*	-	3 89	2.24 57	12 305	2.50 64	2.78 71	4,800 21,350
08617235	08617435	3 1/2 89	2.75 70	12 305	3.00 76	3.38 86	4,800 21,350
08617200	08617440	4 102	3.00 76	12 305	3.50 89	3.95 100	6,500 28,912
08617340*	08617441*	4 102	3.00 76	12 305	3.25 83	3.65 93	6,500 28,912
08617250	08617450	5 127	3.75 95	14 356	4.50 114	4.90 125	6,500 28,912
08617260	08617460	6 114	4.50 114	14 356	5.37 136	5.90 150	6,500 28,912
08617360*	08617461*	6 114	4.50 114	14 356	5.00 127	5.56 141	6,500 28,912
08617280	08617480	8 203	6.00 152	14 356	7.18 182	7.94 202	6,500 28,912

*Fits sch 80 pipe.

NOTE: Nylatron® is a registered trademark of DSM.

60 Degree Quad Block

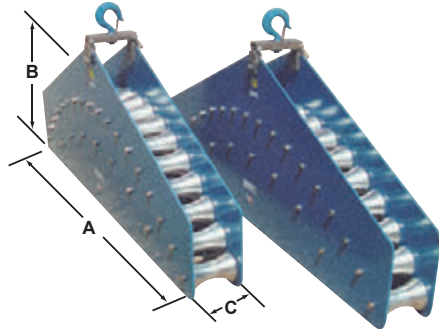
A series of 6 Nylatron® sheaves allow cable to make a gradual 60° turn for easy pulling through manhole or pull box openings. Pulling radius of 24.25 inches (616 mm). 4,000 lbs. (17,792 N) cable tension load capacity. Support bar sold separately.

Part Number	Size	
	(in)	(mm)
08539220	8	203



Fairlead Quadrant Block

Originally designed to install transpacific fiber optic cable, these quadrant blocks provide a 60° (1,524 mm) pulling radius to guide any type of cable. 18 machined rollers on bronze bearings, 8" (203 mm) wide by 5.5" (140 mm) in diameter, allow the cable to make a gradual 90° turn for easy cable installation. 10,000 lb. (44,480 N) capacity. Replacement Sheaves available, contact factory for information.



Part Number	Description	A (in) (mm)	B (in) (mm)	C (in) (mm)
08094500	Fairlead Quadrant Block	96 2438	36 914	9 229

3 Sheave Cable Guide

Three cast aluminum or Nylatron® sheaves on bronze bearings allow a gradual 90° turn for easy pulling through manhole opening. Pulling radius of 24" (610 mm), the cable guide will sit on manhole edge, suspend in manhole, or fit the jamb skid. 10,000 lbs. (44,480 N) cable tension load capacity. Support bar sold separately (see pg. 142). Replacement Sheaves available. See Specifications and Selection Charts on page 143.



Part Number	Nylatron® Part Number	Size		Weight
		(in)	(mm)	
08539600	08539610	6	152	105
08539800*	08539810*	8	203	124

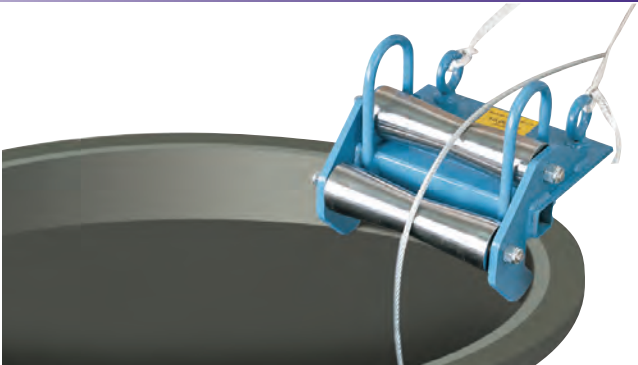
*NOTE: To fit the jamb skid, the four bolts holding the hook must be removed.

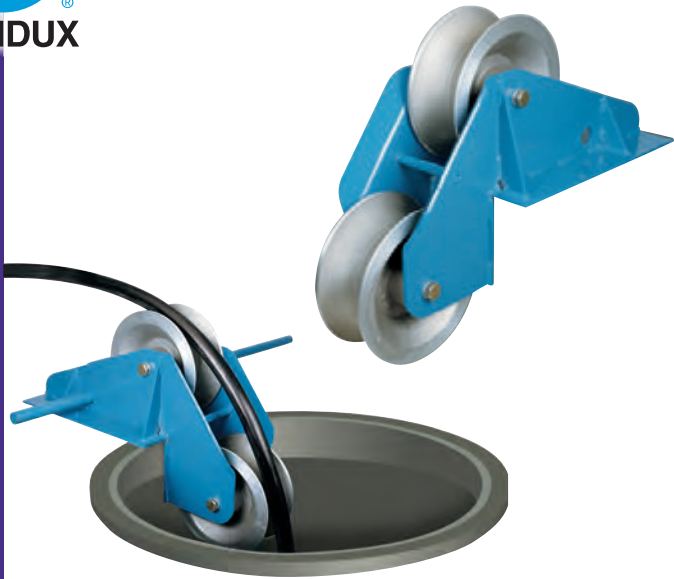
Mini Corner Cable Guide

Features two hardened steel rollers that guide steel winch line over sharp edges. It is small but sturdy, allowing for easy handling and set-up along with heavy duty capacities. 10,000 lbs. (44,480 N) cable tension load capacity. Replacement Sheaves available, contact factory for information.

Part Number	Description
08045000	Mini Corner Cable Guide

NOTE: Nylatron® is a registered trademark of DSM.





Corner Cable Guides

Aluminum and Nylatron® sheaves for pulling cable into manholes. 5,000 lbs. (22,240 N) cable tension load capacity. See Specifications and Selection Charts on page 143 for Replacement Sheaves. Support bar sold separately (see same page, below).

Part Number	Nylatron® Part Number	Size	
		(in)	(mm)
08040000	08040025	3	76
08043100	08043125	4	102
08043200	08043225	5	127
08088600	08088625	6	152
08088800	08088825	8	203

NOTE: Nylatron® is a registered trademark of DSM.



Cable Bending Shoe

Protects cable from corner abrasion during pulling operations. Rugged, high-impact plastic.

Part Number	Description	I.D.	O.D.
08042100	Plastic Bending Shoe	3.19	3.44



Nylon Cable Protector

Flanged, split tube to insert in duct end and protect cable from damage during installation. Also can be left in place for permanent protection.

Part Number	Description
08042301	1"-2½" (25-63 mm) Duct
08042300	3"-6" (76-152 mm) Duct

Support Bar

Use to support quadrant blocks or cable guides at street level.

Part Number	Description
08091440	1¼" (32 mm) x 4' (1.2 m) Steel Bar

Chains

Used to tie off cable guides in the manhole. Not to be used for overhead lifting.

Part Number	Description
08066301	4' (1.2 m) Chain, Double Hook, ⅝" (9 mm) Alloy Links, 7,100 lbs. (31,581 N) capacity
08066300	8' (2.4 m) Chain, Double Hook, ⅝" (9 mm) Alloy Links, 7,100 lbs. (31,581 N) capacity

Aluminum Split Bells

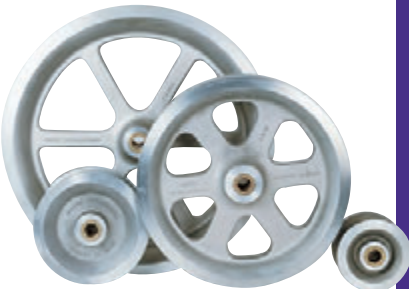
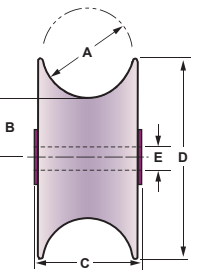
Plugs into conduit in manhole wall, guiding cable safely into the conduit regardless of the pulling angle.

Part Number	Size		Tube Length		Tube I.D.		Tube O.D.	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
08041520	2	51	8	203	1.625	41	1.875	48
08041530	3	76	8	203	2.625	67	2.875	73
08041535	3½	89	8	203	3.125	79	3.375	88
08041540	4	102	8	203	3.625	92	3.875	98
08041550	5	127	8	203	4.625	117	4.875	124
08041560	6	152	8	203	5.625	143	5.875	149
08041564	6	152	12	304	5.625	143	5.875	149
08041570	8	203	12	304	7.875	200	7.500	191
08041515	4	102	15	381	3.625	92	3.875	98
08041518	4	102	18	457	3.625	92	3.875	98



Replacement Sheaves

Refer to this chart for specifications on sheave sizes for these products: Hooked Hanger Sheave, 4,000 lb. Hooked Hanger Sheave, Cable Feeding Sheave, Corner Cable Guide, Heavy Duty Quadrant Block, Fiber Optic Quad Block, Fiber Optic Hanger Block, 3 Sheave Cable Guide, Fiber Optic Sheave Mount, Overhead and Underground Fiber Optic Cable Sheave and Jamb Skid.



Sheaves Specifications

Part Number	Nylatron® Part Number	Sheave Size		Maximum Cable O.D. A		Min. Bending Radius B		Max. Sheave Width C		Maximum Sheave O.D. D		Shaft Dia. E	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
08539308	08539304	1 x 3	25 x 76	1.50	38	.75	19	3.00	76	3.00	76	.62	15
08539036	08539037	3 x 7	76 x 178	3.00	76	2.25	57	3.72	94	7.00	203	1.25	32
08539136	08539137	4 x 7	102 x 178	4.00	102	2.25	57	4.31	109	7.00	203	1.25	32
08539236	08539237	5 x 7	127 x 178	5.00	127	2.25	57	5.13	130	7.00	203	1.25	32
08046611	08046612	3 x 11	76 x 279	3.00	76	4.25	107	3.75	95	11.00	279	1.25	32
08046711	08046712	4 x 11	102 x 279	4.00	102	3.75	95	4.75	120	11.00	279	1.25	32
08046811	08046812	5 x 11	127 x 279	5.00	127	3.25	82	5.75	146	11.00	279	1.25	32
08087811	08087812	6 x 11	152 x 279	6.00	152	3.12	79	6.75	171	11.00	279	1.25	32
08087911	08087912	8 x 11	203 x 279	8.25	209	2.75	69	8.75	222	11.00	279	1.25	32
08065411		4 x 20	102 x 508	4.25	107	8.50	215	4.75	120	20.00	508	1.25	32
08042911		5 x 20	127 x 508	5.00	127	8.00	203	5.75	146	20.00	508	1.25	32
08637743		3 x 24	76 x 610	1.38	35	11.12	282	4.00	102	24.12	613	1.00	25
08043011		5 x 26½	127 x 673	5.00	127	11.31	287	5.75	146	26.50	376	1.25	32

4,000 lb Sheaves

Part Number	Nylatron® Part Number	Sheave Size		Maximum Cable O.D. A		Min. Bending Radius B		Max. Sheave Width C		Maximum Sheave O.D. D		Shaft Dia. E	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
08042612		5 x 11	127 x 279	5.00	127	3.25	82	5.88	149	11.00	279	1.25	32
08042621		5 x 20	127 x 508	5.00	127	8.00	203	5.88	149	20.00	508	1.25	32
08042627		5 x 26½	127 x 673	5.00	127	11.31	287	5.75	146	26.50	673	1.25	32
08042651		8 x 26	203 x 660	8.00	203	11.25	286	8.50	216	26.00	660	1.25	32

= Nylatron® Replacement Sheaves or Nylatron® Products.

NOTE: Nylatron® is a registered trademark of DSM.

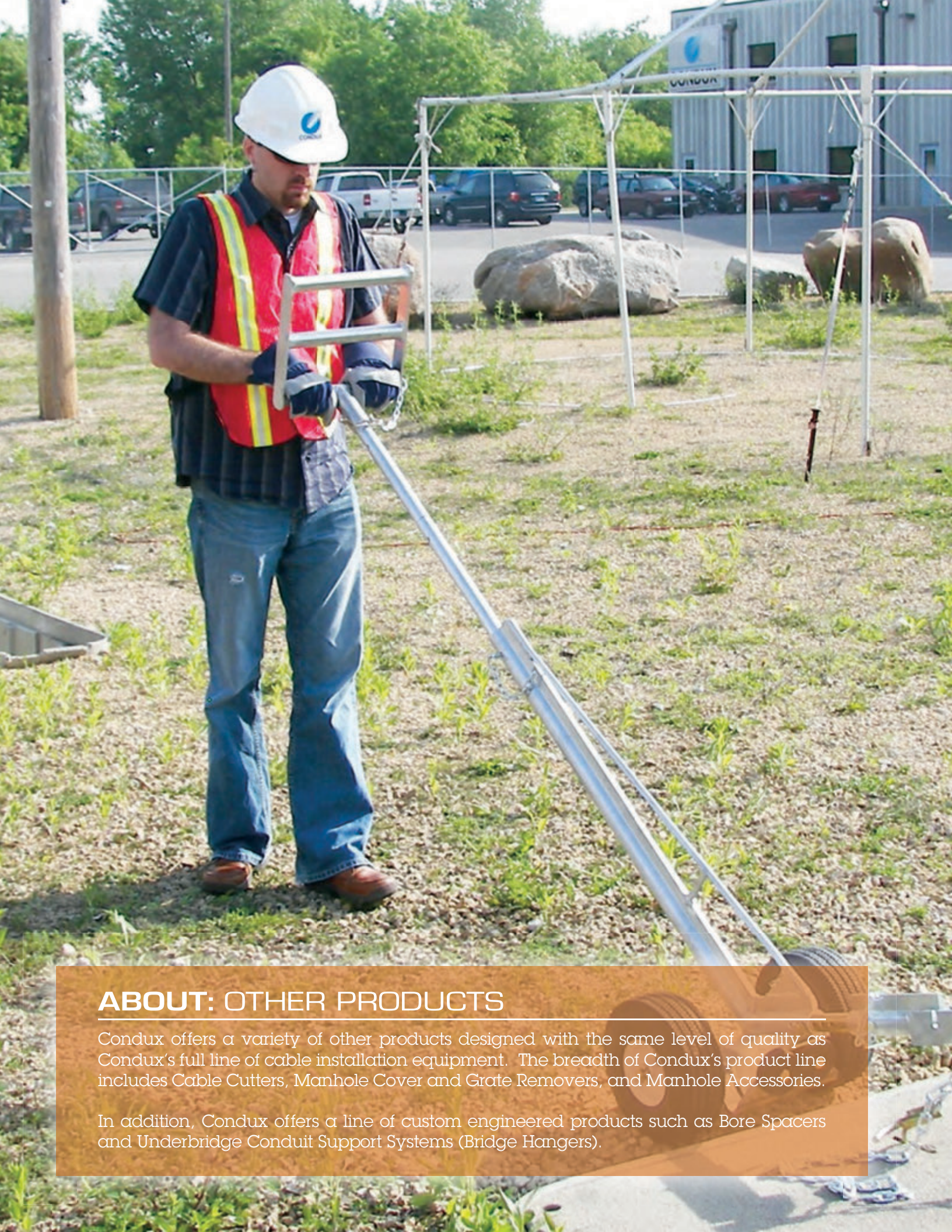


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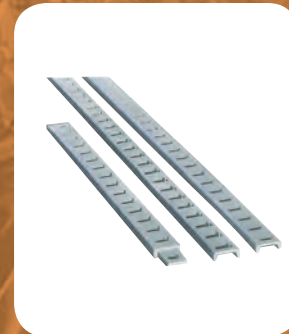
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ABOUT: OTHER PRODUCTS

Condux offers a variety of other products designed with the same level of quality as Condux's full line of cable installation equipment. The breadth of Condux's product line includes Cable Cutters, Manhole Cover and Grate Removers, and Manhole Accessories.

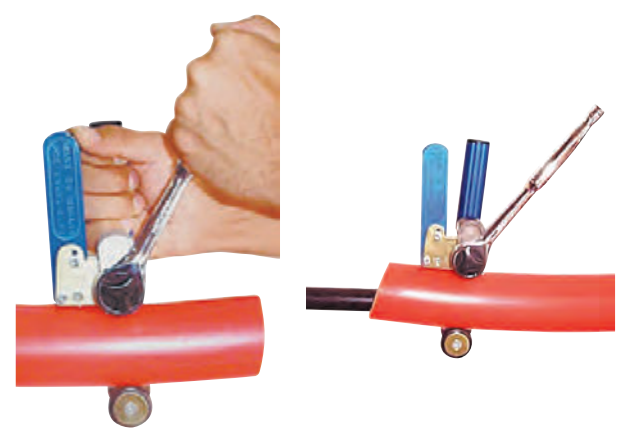
In addition, Condux offers a line of custom engineered products such as Bore Spacers and Underbridge Conduit Support Systems (Bridge Hangers).



Cable Jacket and Innerduct Slitter

This popular tool makes quick, safe work of slitting innerduct or removing sheath and turnplate from communication cables. With a turn of the handle, the toothed wheel pulls the tool forward while the angled blade makes a clean cut. Blade guard protects conductors from damage. Minimum cable diameter 1" (25 mm). Slits 1"-2" (25-51 mm) innerduct.

Part Number	Description
08012900	Cable Jacket and Innerduct Slitter
08012901	Replacement Blade



Innerduct Slitter

Mechanical Innerduct Slitter is designed to reduce the effort required to longitudinally slit long sections of both High Density Polyethylene (HDPE) and Medium Density Polyethylene (MDPE) innerduct and conduit that have an outside diameter ranging from 1 1/4" (32 mm) to 2" (51 mm).

Each kit comes with the following:

- Slitter
- Double-sided replacement blade
- Blue leather storage bag
- Leather blade protector
- Allen key that fits all screws
- Set of instructions

Part Number	Description
08012925	Innerduct Slitter
08013101	Replacement Blade



Innerduct Slitter

The Innerduct Slitter is designed for fast, safe cutting of innerducts from 1" (25 mm) to 2" (51 mm).

Part Number	Description
08013100	Innerduct Slitter
08013101	Replacement Blade



Telephone Cable Cutters

Lightweight shear-type cable cutter for copper pair telephone cable. Not intended for cutting steel or ACSR.

Part No.	Description	Max Dia. (in)	(mm)
08090300	30" (762 mm) steel handles	3.37	86



PVC & Polyethylene Cutter

Razor sharp cutting blade makes a fast, clean, burr-free cut in PVC and polyethylene. Ratcheting handle provides for sure, steady cutting action. Reduces cutting and preparation time.

Part Number	Description
08948050	Small diameter—up to 1 1/4" (32 mm) conduit with 1 1/2" (38 mm) O.D.
08948060	Large diameter—up to 2" (51 mm) conduit with 2 3/8" (60 mm) O.D.
08948051	Replacement Blade for Small Cutter
08948061	Replacement Blade for Large Cutter

Cable Bender

Bends power cable up to 750 kcmil with a 1 1/4" (32 mm) maximum cable diameter.

Part Number	Description
08090000	Cable Bender



Utility Cable Cutters

Lightweight shear-type cable cutter for copper and aluminum cable. Not intended for cutting steel or ACSR.



Part No.	Description	Cuts (max. kcmil)		Max Dia.	
		Copper	Alum.	(in)	(mm)
08012300	13" (330 mm) steel handles	350	350	.90	23
08012400	17" (432 mm) 600 V fiberglass handles	500	750	1.03	26
08012500	26" (660 mm) 600 V fiberglass handles	1000	1200	1.40	36

Ratcheting Cable Cutters

Easy one or two handed cutting for copper and aluminum power cables. Specially designed tempered blades combine with positive ratcheting action to cut through most cable. A release lever lets you break free from the load whenever necessary. Hardened steel ratchet teeth resist breakage and will last at least three times longer than inferior ratcheting cutters. Lightweight and portable.

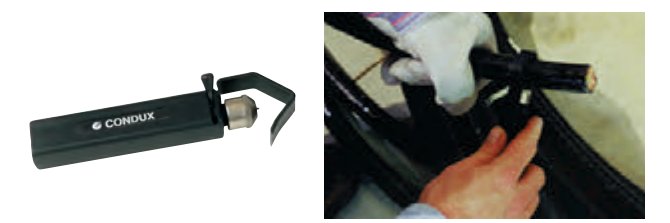


Condux also offers replacement blades for this cable cutter.

Part No.	Description	Cuts (max. kcmil) Copper/Alum.	Max Dia. (in)	(mm)
08014000	Cutter	600-750	1 3/4	44
08014001	Replacement blade			

Cable Stripper/Slitter

Condux offers two sizes of the Stripper/Slitter for easy and rapid preparation of round cables from .18 (5 mm) up to 1.42 inch (36 mm) in diameter and 8 AWG up to 500 kcmil. They feature a spring-loaded cable support arm with a beveled leading edge that assists with insulation removal. The blade swivels to facilitate circular, longitudinal and spiral cuts.



Part No.	Description	Cutting Depth		Max Dia.	
		(in)	(mm)	(in)	(mm)
08013000	Small Diameter Stripper/Slitter	.118	3	.18-1.00	5-25
08013050	Large Diameter Stripper/Slitter	.177	4.5	.98-1.42	25-36
08013001	Replacement Blade (fits both sizes)				



US Patent #6,676,111

Mobile Manhole Cover and Grate Remover

The Condux Mobile Manhole Cover & Grate Remover is specially designed to make manhole cover and grate removal safe and easy. The cover and grate remover uses leverage to lift heavy manhole covers, catch basins and sewer grates. It is lightweight and portable, and offers single person operation.

The Condux Mobile Manhole Cover & Grate Remover is adjustable for various size covers. Attachments are also available for various manhole cover designs.

Lift capacity: 300 lbs (136 kg)

Part Number	Description
08025200	Mobile Manhole Cover and Grate Remover Kit: - Center Hole Cover Attachment - Edge Hole Cover Chain Attachment - Open Grate Attachment - Hook Lift 1.25" (31.8 mm) - Tool Cleaner - Extension Head, 18" (457.2 mm) - Storage Bag for Attachments



Mobile HD Manhole Cover and Grate Remover

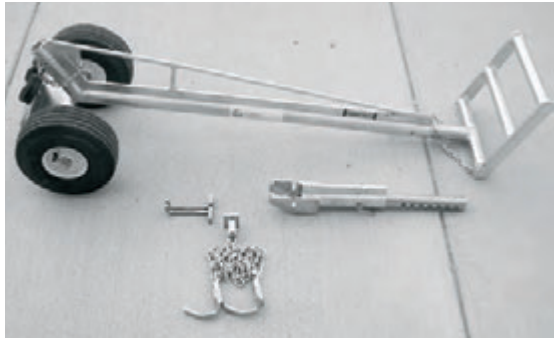
The Condux HD Manhole Cover and Grate Remover provides portability and power for variety of lifting applications. The HD Manhole Cover and Grate Remover features pneumatic wheels for easy transport on any surface. The unit utilizes leverage to remove manhole covers and grates promoting job site safety and helping reduce the risk of knee and back injuries.

Travel Length: 50 inches
Working Length: 72 inches
Weight: 15 lbs
Lift Capacity: 350 lbs

Part No.	Description
08026250	Mobile HD Manhole Cover & Grate Remover Kit - HD Mobile Manhole Cover and Remover Body 21" Extension Head - Handhole Chain Attachment - Center Hold Cover Attachment

Part No.	Description
08026260*	Mobile HD Manhole Cover & Grate Remover (Includes 21" Extension)

*Without Attachments.



US Patent #6,676,111

Magnet HD Manhole Cover and Grate Remover

For difficult lifting situations, Condux offers the versatile Magnet HD Manhole Cover and Grate Remover. This unit is truly a heavy-duty tool, capable of lifting up to 450 lbs. Use the single-magnet configuration for standard projects and the two-magnet configuration for larger covers and grates. Various attachments and extension heads provide added functionality.

Travel Length: 55 inches
Working Length: 80 inches
Kit Weight: 85 lbs
Lifter Weight: 44 lbs
Lift Capacity: 450 lbs

Part No.	Description
08026300	Magnet HD Manhole Cover & Grate Remover Kit - Magnet HD Lifter Body - Magnet Spreader Bar Attachment - Two 660 lb Magnets - Lifting Hook Extensions

Part No.	Description
08026330*	Magnet HD Manhole Cover & Grate Remover (Includes Lifting Hook Extensions)

*Without Attachments.



US Patent #6,676,111

Tripod Lid Lifter

The Condux Manhole Cover & Grate Remover is specially designed to make manhole cover and grate removal safe and easy. The cover and grate remover uses leverage to lift heavy manhole covers, catch basins and sewer grates. It is lightweight and portable, and offers single person operation.

The Condux Manhole Cover & Grate Remover is adjustable for various size covers. Attachments are also available for various manhole cover designs. The cover and grate remover returns covers to their same position, helping eliminate cover repositioning.

Travel length: 59 inches (1,499 mm)
Working length: 91 inches (2,311 mm)
Lift capacity: 300 lbs (136 kg)

Part No.	Description
08025000	Manhole Cover and Grate Remover Kit: - Cantilever Lifting Bar with Tripod Base 2 ft (610 mm) Handle Extension - Center Hole Cover Attachment - Edge Hole Cover Chain Attachment - Concealed Pick Hole Cover Attachment - Bag for Attachments

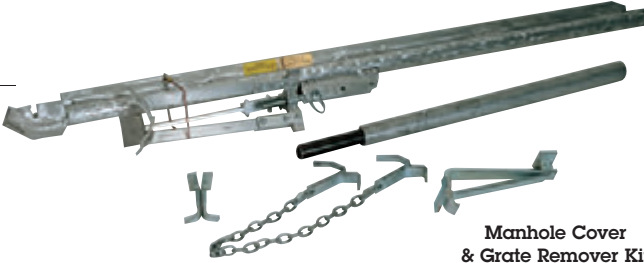
08025100	Cantilever Lifting Bar With Tripod Base
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08025110	2 ft (610 mm) Handle Extension
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Cantilever Lifting Bar with Tripod Base

U.S. Patent #5,775,674

2 ft (610 mm) Handle Extension



US Patent #5,775,674

Manhole Cover & Grate Remover Kit



1.



2.



3.



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General Terms

SHIPPING TERMS
F.O.B. Mankato, Minnesota. Freight prepaid and billed Subject to prior credit approval.

MINIMUM ORDER
\$100.00 Net Price

LOSS OR DAMAGE
Loss or damage in transit are the responsibility of the carrier. Any claim should be filed with the delivering transport company. Invoice Bill of Lading, and Delivery receipt with damage noted therein must accompany any claims for freight damage. Claims for shortage and lost shipments must be made in writing to Condux International, Mankato, MN within 60 days of date of shipment. Claims not reported within this time frame will not be honored.

PRICES
Prices are subject to change without notice. All orders subject to acceptance at the factory. We reserve the right to invoice prices in effect at time of shipment.

HANDLING FEES
A handling fee will be charged for each order as follows:
Order value greater than \$100 & not freight allowed: **\$7.00**

TERMS
Net 30 days

Returned Goods Policy

- All returned goods must be authorized within 6 months of the invoice date.
- No returned materials will be accepted without an accompanying Returned Materials Authorization from the factory.
- Full Credit will be issued for returned goods with an accompanying order of equal value. There is a 25% restocking charge on returns without an accompanying order of equal value.
- Credit value will be based on the actual price paid.
- Customer must be in good credit standing with Condux.
- Discontinued, shopworn, unboxed material, or material in non-standard package quantities is excluded and will not be eligible for credit.
- Customer pays return freight.

Please ship authorized returns to:
Condux International, Inc.
145 Kingswood Drive, Mankato, MN 56002 U.S.A.
Return Freight Prepaid

Limited Warranty

Condux International, Incorporated extends thefollowing warranty to the original purchaser of these goods for use, subject to the qualifications indicated: Condux International, Inc. warrants to the originalpurchaser for use that the goods or any component thereof manufactured by Condux International, will be free from defects in workmanship for a period of 1 year from the date of purchase* provided such goods are installed maintained, and used in accordance with Condux International, International's and the original manufacturer's written instructions.

Components not manufactured by Condux International, but used within the assembly provided by Condux International, are subject to the warranty period specified by the individual manufacturer of said component, provided such goods are installedmaintained, and used in accordance with Condux International's written instructions. Condux International's sole liability and the Purchaser's sole remedy for a failure of goods under this limited warranty, and for any and all claims arising out of the purchase and use of the goods, shall be limited to the repair or replacement of the goods that do not conform to this warranty.

To obtain repair or replacement service under the limited warranty, the purchaser must contact the factory for a Return Material Authorization (RMA). Once obtained, send the Return Material Authorization along the defective part or goods to: Condux International, Inc. 145 Kingswood Drive, Mankato, MN 56002, U.S.A. freight prepaid.

THERE ARE NO EXPRESS WARRANTIES COVERING THESE GOODS OTHER THAN AS SET FORTH ABOVE, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO ONE YEAR FROM DATE OF PURCHASE.

CONDUX ASSUMES NO LIABILITY IN CONNECTION WITH THE INSTALLATION OR USE OF THE PRODUCT, EXCEPT AS STATED IN THIS LIMITED WARRANTY. CONDUX WILL IN NO EVENT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

***Except for the 819 Directional Drilling Swivels, 400 Series D.Drill Directional Drilling Swivels, PE/PVC Pulling Eyes, Directional Drilling Break-Away Swivels and Ground Rod Drivers, which carry a 90 day limited warranty.**

Condux International, Inc.
145 Kingswood Drive • P.O. Box 247
Mankato, MN 56002-0247 U.S.A.

Toll Free in U.S. and Canada: **1-800-533-2077**
International: 1-507-387-6576 • FAX: 1-507-387-1442



Catalogs

Part Number	Description
CAT09-DOM	2009 Domestic Catalog, English

User's Guides & Safety Manuals

Part Number	Catalog Description
08012992	Cable Jacket & Innerduct Slitter
08013085	Duct Mandrels
08013089	Cable Jacket Stripper / Slitter
08013096	Jacket Stripper / Slitter Blade Replacement
08013198	Innerduct Slitter
08014092	Ratcheting Cable Cutters
08015089	Break-Away Swivel Break Pin Replacement
08017399	Break-Away Swivels
08025099	Manhole Cover & Grate Remover
08026259	HD Lid Lifter Manual
08026359	Magnet Lid Lifter Manual
08030089	Power Dart® Blower, 110 Volt
08032907	Quick Connect Low Pressure Seal-Offs
08035788	Splice Kit - 3/16" & 1/4" Duct Rod
08041494	Hooked Hanger Sheaves
08042639	4,000 Hooked Hanger Sheave Manual
08081589	Fiberglass Duct Rodders
08091298	Rope to Swivel Clevis
08091299	Rope to Rope Clevis
08097099	Jamb Skid
08190091	Break-Away D.Drill® Swivels
08190092	Break-Away D.Drill® Break Pin Replacement
08190093	D.Drill® Swivels
08190099	D.Drill® Swivel Rebuild Kits
08220099	PE & PVC Pulling Eyes
08539099	Quadrant Blocks & Cable Guides
08549299	Pulling Harnesses
08610698	CableGlider® Cable Pullers
08637898	Underground Fiber Optic Sheave
08637899	Overhead Fiber Optic Sheaves
08672499	QuickTents
08674099	Floor / Conduit / Pole Mount Frames
08674268	Running Line Tensiometers
08674699	Floor Mount Frames
08674999	Extension Frames
08675104	Fiber Optic Puller Remote Stand
08675299	Portable Hydraulic Power Pack
08675881	Fiber Optic Cable Pullers
08675909	Fiber Optic Puller Hitch Mount
08676099	Fiber Optic Puller Pole Mount
08678299	LW Cableglider Manual



Video Cassettes, VHS, NTSC

Part Number	Description
08610677	CableGlider Cable Puller Sales & Promotional Video
08675196	Fiber Optic Cable Puller User Guide Video
08675197	Fiber Optic Cable Puller Sales & Promotional Video
08761396	Fiber Optic Cable Blower User Guide Video
08761397	Fiber Optic Cable Blower Sales & Promotional Video

Part Number	Catalog Description
08678369	Tripod LW Cableglider Manual
08690099	ECB Chart Recorder
08760099	Slip Clutch Capstan
08761398	Fiber Optic Cable Blower Quick Reference Guide
08761399	Fiber Optic Cable Blowers
08761459	Duct Pressure Test Kit
08761702	Air Cooler
08763295	WDR505 A-Frame Manual
08780993	Fiber Optic Cable Blower Belt Replacement
08780998	LW Fiber Optic Cable Blower Quick Reference Guide
08780999	LW Fiber Optic Cable Blower
08913393	Innerduct Pulling Eyes
08917089	Reusable Power Pulling Eyes
08920097	Pulling Eye Crimper Kit
18000698	Pole Mount Cable Blocks
18000699	Single Roller Cable Blocks
18010099	Mullen (Hand) Cable Benders
18010199	Throwing Weight
18100099	Set-Up Bracket
18100199	Reel Buck
18101998	90° Corner Blocks
18101999	90° Large Diameter Corner Block
18103499	Pole Mount Multi Block Hanger
18103598	45° Corner Blocks
18103599	45° Large Diameter Corner Block
18103699	Multiple Roller Blocks
18104499	Pole Bracket
18105899	Cable Chute
18106099	Pole Bracket Adapter
18107999	Strand Brakes
18108099	Aerial Cable Pullers
18108499	Cable Benders
18109299	Cable Block Pushers
18110898	Wire Raising Tools
18110899	Cable Block Lifters
18120499	Cable Caddies
18151599	Economy Overlash Blocks
18152099	Center Conductor Cleaner
18308099	Overlash Aerial Cable Puller
18401099	Economy Cable Blocks
18403099	Overlash Cable Blocks



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