



CONDEX

AERIAL & UNDERGROUND EQUIPMENT & TOOLS CATALOG

AERIAL TOOLS 

FISHING & RODDING 

SWIVELS & ACCESSORIES 

PULLING EYES & ACCESSORIES 

POWER CABLE INSTALLATION 

FIBER CABLE INSTALLATION 

OTHER PRODUCTS 



SAFETY ▪ RELIABILITY ▪ PRODUCTIVITY

providing labor-saving **solutions & support**

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. Condux 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 Condux 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.



CONDUX

To our knowledge, all products and other information in this catalog are accurate at the time of printing. Condux 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 Condux 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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what's new

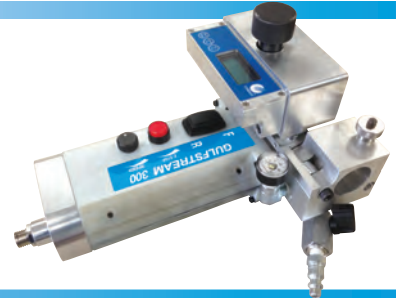


APS75 Cable Puller94

The APS75 Hydraulic Underground Cable Puller now features hydraulically powered jack stands that are easy to use and speed set up and tear down times. Plus, a new Aluminum A-Frame is available. The A-Frame extension adjusts quickly to difficult pulling situations.

Gulfstream™ 300 Micro Fiber Blower 128

The Gulfstream 300 is an effective and economical approach to middle mile fiber installations. Able to install fiber optic cable ranging in size from 3 mm to 10 mm into duct from 7 mm to 18 mm, the Gulfstream 300 offers the portability, convenience and power for standard middle projects in a cost effective package.

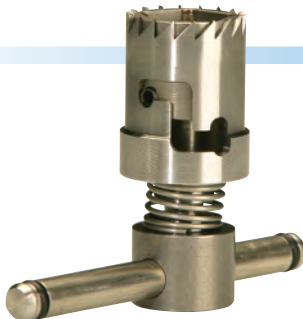


Gulfstream™ 200 Micro Fiber Blower 130

The Gulfstream 200 micro fiber blower is designed for the FTTx and Enterprise micro fiber cable installation projects. The self-contained Gulfstream 200 combines the push force of a small electric motor driven belt drive with compressed air to quickly and easily install micro fiber cables from 0.8 mm to 5.5 mm in diameter in micro duct ranging in size from 5 mm to 12.7 mm, at speeds up to 165 feet per minute!

TurboSlitter™ 153

The TurboSlitter™ from Condux can easily split HDPE pipe with wall thicknesses ranging from 0.097 to 0.216 inches! Available in two styles, pneumatic and cordless drill attachment. The cordless drill attachment quickly adjusts to fit almost any rechargeable drill, 14-volt and larger. Save time and effort on the job with the TurboSlitter from Condux.



Penta Buster® 159

The Penta Buster is designed to safely expel dirt and debris from the area around fasteners of ground-level electrical service boxes. The one-piece tool is comprised of rigid retractable teeth that loosen debris fragments from around the nut. By retracting the teeth, a socket is exposed that can be used to easily remove the nut or bolt fastener.

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UNDERBRIDGE CONDUIT SUPPORT SYSTEMS

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.

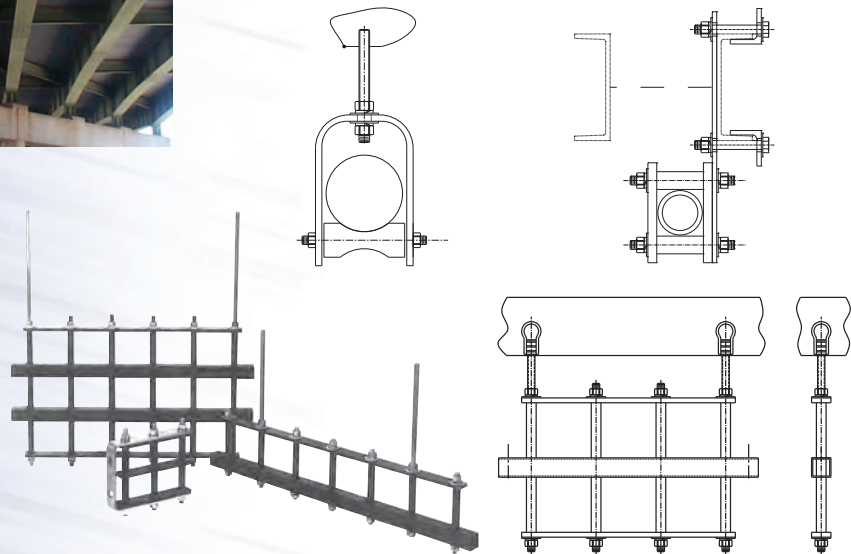
We specialize in **personalized service**, providing you with all of the information and technical assistance you need to get you through every step of your bridge hanger project. As a basic part of our service, when you place an order with us we will assist you with a materials list and a system design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

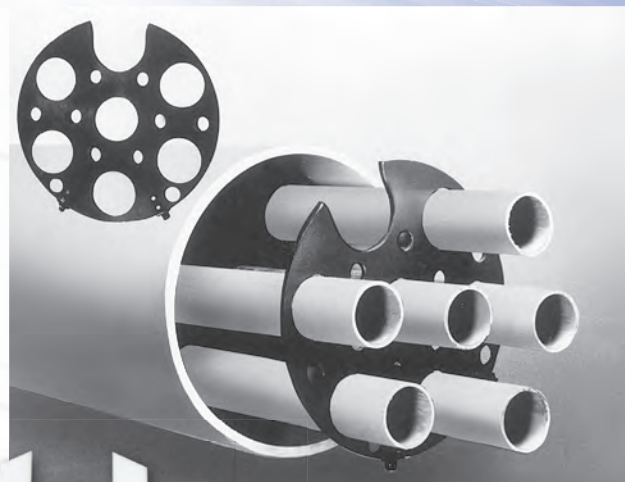
Rapid Turnaround—In most cases custom designed bore spacers are ready for shipment in 1 to 2 weeks.

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





CONDEX

SINGLE ROLLER CABLE BLOCKS

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 14 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 14 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



OVERLASH & ECONOMY CABLE BLOCKS



Overlash Cable Block
18001100

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.

Overlash Cable Block

Supports a single coaxial, fiber optic or copper cable up to 3.75" outside diameter. A built in Unidirectional 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")
- Unidirectional 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

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

Economy Cable Block

Condux offers economical Cable Blocks for support of one cable 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 14 for ordering information.



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.

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



Cable Block 18401060



Cable Block 18401080

Overlash Cable Block

Fit Overlash Cable Blocks over an existing cable bundle up to 3" (76 mm) in diameter and support one 1.25" (32 mm) diameter cable or innerduct. Built-in cable retention system allows placement and removal from ground. Frames are durable cast aluminum with steel inserts on strand contact surfaces. Rollers are rubber or aluminum.

Replacement rollers available. See page 14 for ordering information.

Part Number	Description	Maximum Cable Diameter		Frame Material	Roller Material
		(in)	(mm)		
18403060	Overlash cable block with 1 single roller	1.25	32	aluminum	rubber
18401180	Overlash cable block with 1 double roller	1.25	32	aluminum	aluminum



Cable Block 18403060



Cable Block 18401180

FYI

Prior to Ordering Always Know the Following:

- Max Cable O.D. 1.25" (32 mm)
- Max. Bundled O.D. 2.75" (70 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 Overlash Cable Block

This alternative Cable Block may be placed over existing cable bundles up to 1.5" (38 mm) in diameter. Single rollers are available in plastic or steel and can accommodate cable or innerduct up to 1.00" (25 mm) diameter. Lightweight zinc-plated steel frame opens and closes for easy installation and ensures cable retention.

Replacement rollers available. See page 14 for ordering information.

Part Number	Description	Maximum Cable Diameter		Roller Material
		(in)	(mm)	
18151500	Economy overlash cable block	1.00	25	plastic
18151600	Economy overlash cable block	1.00	25	steel



Cable Block 18151500

Cable Block 18151600

FYI

Prior to Ordering Always Know the Following:

- Max Cable O.D. 1" (25 mm)
- Max. Bundled O.D. 1.5" (38 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.



CONDEX

SET-UP BRACKET / CABLE CHUTE CABLE BENDERS



Set-Up Bracket

A versatile tool that provides a mid-span mount for a 45 Degree Corner Block when a pole is not nearby. The Set-Up Bracket is secured to the strand with a strand clamp, safety clip, and tightening knob (all included). The strand attachment assembly swivels to ensure proper alignment with cable reel, allowing flexibility in cable reel and Set-Up Bracket positioning. Steel construction.

Part Number	Description
18100010	Set-up bracket



Cable Chute

Essentially a Set-Up Bracket with a chute built-in, it creates a path from cable reel to strand. Used in less demanding applications where the reel and strand are aligned, eliminating the need for a Set-Up Bracket and 45 Degree Corner Block. The Condux Cable Chute, is secured to the strand with a strand clamp, safety clip, and tightening knob (all included). The strand attachment assembly swivels to ensure proper alignment with cable reel. Chute surface is a friction-reducing high-impact synthetic. Accommodates cable up to 3.5" OD.

Part Number	Description
18105800	Cable chute with bracket



Standard Cable Benders

Standard Coaxial Cable Benders provide mechanical wrenching action to form expansion loops with a life of over 25 years. Four nylon shoes provide cable support and assure minimal stress during the bending process. Quality-built with a steel frame, hardened on rack and gear. Achieve consistent performance, and do no additional hand forming with Standard Cable Benders.

See last column for Replacement shoes for your Standard Cable Bender.

Part Number	Maximum Number of Cables	Maximum Cable Diameter		Loop Depth (D)		Loop Length (L)		Loop Radius (R)		Flat Bottom (B)		Replacement Shoe Part Number
		(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
18108405	2	0.75	19	6	152	36	914	11	279	12	305	18504008
18108400	1	0.75	19	6	152	36	914	11	279	12	305	
18108410	1	1.00	25	6	152	51	1295	11	279	15	381	18504024
18208400	2	1.00	25	6	152	51	1295	11	279	15	381	18504024
18208415	2	1.25	32	6	152	51	1295	11	279	15	381	18504009

Pole Bracket

Use the Pole Bracket for all 90 Degree and 45 Degree Corner Blocks. A ratcheting strap design provides easy set-up, while offering a tight fit to the pole. Bracket is steel with a vertical shaft to receive Corner Block. A safety clip is provided to hang unit from strand while installing.

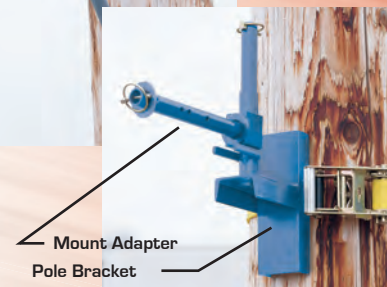
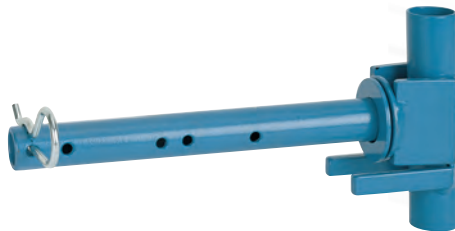
Part Number	Description
18104400	Pole bracket mount with ratcheting strap



Pole Bracket Mount Adapter

Installs easily on the Pole Bracket to provide a horizontal axis to mount 45 Degree Corner Blocks that are to be used as a reel-to-strand chute.

Part Number	Description
18106000	Pole bracket mount adapter (requires Pole Bracket)



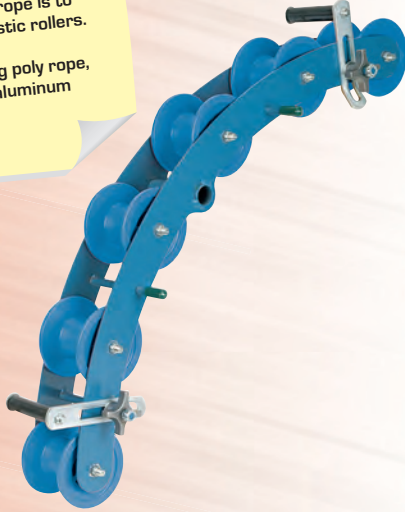


90 DEGREE CORNER BLOCKS

FYI

No poly-based rope is to be used on plastic rollers.

If you are using poly rope, please order aluminum block rollers.



90° Corner Cable Block 18101930

90 Degree Corner Blocks

Ensure minimal drag is placed on the cable and that minimum bend radius is not exceeded. Pole-mounted blocks guide cable around an inside or outside corner. Corner blocks are available in 90 degree configurations with a variety of cable carrying capacities.

For the recommended accessories please see **Corner Blocks Mounting Hardware (page 11)** which includes the **Pole Bracket and Pole Bracket Mount Adapter**. Replacement rollers available, page 14.

90 Degree Large Diameter Corner Block

A larger bend radius of 23" (584 mm) makes this block effective for larger diameter cable and innerduct—up to 2.75" (70 mm) diameter. Welded and painted steel frame. Plastic rollers are durable and lightweight.

Mounts on Pole Bracket. Order separately, page 11. Replacement rollers available, page 14.

Part Number	Description	Roller/Cable Config.	Frame Material	Roller Material
18101930	90° corner cable block	1 @ 2.75" (70 mm)	steel	plastic
18101935	90° corner cable block	1 @ 2.75" (70 mm)	steel	aluminum

FYI

No poly-based rope is to be used on plastic rollers.

If you are using poly rope, please order aluminum block rollers.



90° Corner Cable Block 18101940

90 Degree Corner Blocks

With a bend radius of 22.25" (565 mm), these corner blocks feature a welded and painted steel frame with angular and vertical reinforcements. Plastic rollers are durable and lightweight. Adjustable rubber idler arms retain cable in position.

Mounts on Pole Bracket. Order separately, page 11. Replacement rollers available, page 14.

Part Number	Description	Roller/Cable Config.	Frame Material	Roller Material
18101940	90° corner cable block	1 @ 1.25" (32 mm)	steel	plastic

45 Degree Corner Blocks

45 Degree Corner Blocks are used to guide cable on inside or outside corners and are used as a cable chute on reel-to-strand spans, or mid-spans. These cable blocks ensure minimal drag is placed on cable and that the minimum bend radius is not exceeded.

For the recommended accessories please see **Corner Blocks Mounting Hardware (page 11)**. Mounts on Pole Bracket with or without Pole Bracket Mount Adapter (page 11), or with Set-Up Brackets (page 10), depending on the application. Replacement rollers available, page 14.

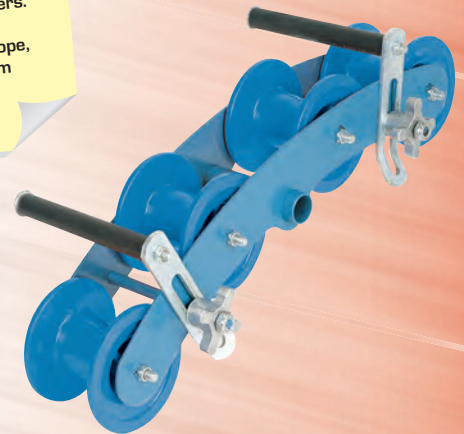
45 Degree Large Diameter Corner Block

Large bend radius of 23" (584 mm) can guide a single cable up to 2.75" (70 mm) diameter. Use in corners or as a cable chute. Welded and painted steel frame. Plastic rollers are durable and lightweight.

Mounts on Pole Bracket with or without Pole Bracket Mount Adapter (page 11), or with Set-Up Brackets (page 10), depending on the application. Replacement rollers available, page 14.



FYI
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	
18103530	45° corner cable block	1 @ 2.75" (70 mm)	steel	plastic	45° Corner Cable Block 18103530
18103535	45° corner cable block	1 @ 2.75" (70 mm)	steel	aluminum	

45 Degree Corner Block

Excellent tool to guide cables in corners or use as a cable chute. Offers a bend radius of 22.25" (565 mm). Welded and painted steel frame with adjustable rubber idler arms for cable retention. Plastic rollers are durable and lightweight.

Mounts on Pole Bracket with or without Pole Bracket Mount Adapter (page 11), or with Set-Up Brackets (page 10), depending on the application. Replacement rollers available, page 14.

FYI
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	
18103540	45° corner cable block	1 @ 1.25" (32 mm)	steel	plastic	45° Corner Cable Block 18103540



REPLACEMENT ROLLERS

FYI

No poly-based rope is to be used on plastic rollers.

If you are using poly rope, please order aluminum block rollers.

Replacement Rollers

Replacement Rollers available for aerial cable blocks and hangers. Refer to this chart for specifications on roller sizes for these products: Single Roller Cable Block, Pole Mount Single Roller Cable Block, Multiple Roller Cable Block, Economy Cable Block, Overlash Cable Block, Economy Overlash Cable Block, 90 Degree Corner Block, 90 Degree Large Diameter Corner Block, 45 Degree Corner Block, 45 Degree Large Diameter Corner Block.



Part Number	Nominal Roller Size		Roller Material	Roller Color	Maximum Cable O.D. A		Min. Bending Radius B		Max. Roller Width C		Maximum Roller O.D. D		Shaft Diameter E	
	(in)	(mm)			(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
18501010	1.00 x 2.25	25 x 57	plastic	red	1.00	25	0.31	8	1.50	38	2.25	57	0.38	10
18501044	1.25 x 2.25	32 x 57	plastic	black	1.25	32	0.32	8	1.82	46	2.25	57	0.38	10
18403066	2.75 x 2.25	70 x 57	rubber	black	2.50	63	0.32	8	1.82	46	2.25	57	0.38	10
18501008	2.75 x 4.62	70 x 117	plastic	blue	2.75	70	1.05	27	3.44	87	4.63	117	0.50	13
18501186	2.75 x 4.62	70 x 117	aluminum		2.75	70	1.05	27	3.44	87	4.63	117	0.50	13
18501043	1.00 x 1.25	25 x 32	stainless steel		1.00	25	0.32	8	1.50	38	1.25	32	0.38	10
18501012	1.25 x 1.25	32 x 32	stainless steel		1.25	32	0.32	8	1.90	48	1.25	32	0.38	10
18501011	1.25 x 1.25*	32 x 32	stainless steel		1.25	32	0.30	8	3.63	92	1.25	32	0.38	10
18403067	2.75 x 1.25	70 x 32	aluminum		2.50	63	0.32	8	1.90	48	1.25	32	0.38	10

*Double width roller

Roller Size in (mm)	Roller Material	Roller Part No.	PRODUCT								
			Single Roller Cable Block	Pole Mount Single Roller Cable Block	Economy Cable Block	Overlash Cable Block	Economy Overlash Cable Block	90° Corner Block	45° Corner Block	Overlash Aerial Cable Puller	
1.00 x 2.25 (25 x 57)	plastic (red)	18501010						18151500			
1.25 x 2.25 (32 x 57)	plastic (black)	18501044			18401060				18101940	18103540	
2.75 x 2.25 (70 x 57)	rubber (black)	18403066				18403060					
2.75 x 4.62 (70 x 117)	plastic (blue)	18501008	18000600 18000660 18001200 18001260	18000610 18000620					18101930	18103530	18308000
2.75 x 4.62 (70 x 117)	aluminum	18501186	18000670 18001270	18000615 18000625					18101935	18103535	
1.00 x 1.25 (25 x 32)	stainless steel	18501043						18151600			
1.25 x 1.25 (32 x 32)	stainless steel	18501012			18401080						
1.25 x 1.25 (32 x 32)	stainless steel	18501011									
2.75 x 1.25 (70 x 32)	aluminum	18403067				18401180					

Lay-Up Sticks

High-strength fiberglass poles are available in 3-foot (.9 m) and 6-foot (1.8 m) sections. Zinc-plated steel reinforced ends with spring-loaded button attachment ensure a positive lock when adding additional sections. Fits standard 1.25" (32 mm) (inside diameter) attachments such as our **Wire Raising Tool and Cable Block Lifter** (listed below).

Part Number	Description	Number of Sections	Length of Sections (ft)	Length of Sections (m)
18141300	Lay-up stick	1 @	3	.9
18141600	Lay-up stick	1 @	6	1.8
18143618	Lay-up stick set, 18' (5.4 m)	3 @	6	1.8
18143621	Lay-up stick set, 21' (6.3 m)	1 @	3	.9
		3 @	6	1.8



6' (1.8 m) Lay-Up Stick Set 18143618



3' (.9 m) Lay-Up Stick 18141300

Wire Raising Tools

Raise cable and wire and place cable blocks onto a strand with these handy tools. Available with a single or double end fitting for use with all major manufacturers' lay-up sticks. Steel construction.

Part Number	Description	Inside Diameter		Outside Diameter	
		(in)	(mm)	(in)	(mm)
18110812	Double End Wire raising tool	1.25	32	1.125	29



Double End Wire Raising Tool 18110812

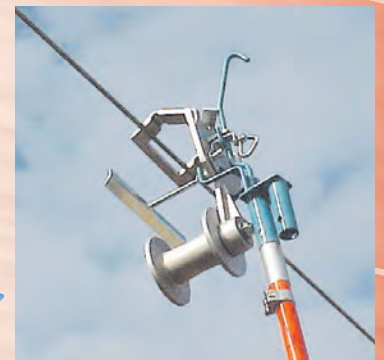
Cable Block Lifter

Place and remove cable blocks onto strand safely and easily from the ground. Two end fittings are incorporated into the product to fit all major manufacturers' lay-up sticks. Steel construction.

Part Number	Description	Inside Diameter		Outside Diameter	
		(in)	(mm)	(in)	(mm)
18110834	Cable Block Lifter	1.25	32	1.125	29

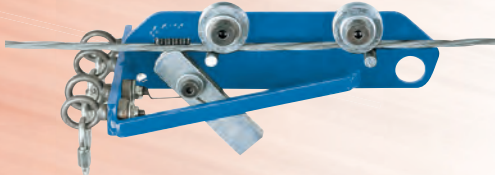


Cable Block Lifter 18110834



Aerial Cable Puller

Pull multiple cables easily and safely prior to lashing. Cables attach to quick-connect links and pulling eyes that swivel during pulling to avoid tangles and possible cable damage. A spring-loaded strand brake holds the unit in place when pulling is stopped and tension is reduced. The brake releases when tension is increased and pulling is resumed.



Part

Number	Description
18108000	Multiple cable puller for 1/4" (6 mm) & 5/16" (8 mm) strand
18108010	Multiple cable puller for 5/16" (8 mm) & 3/8" (10 mm) strand



Overlash Aerial Cable Puller

Designed to pull up to 4 new cables over existing bundles. The Condux Overlash Aerial Cable Puller uses large high-impact plastic rollers that roll easily and safely over existing bundles of up to 2.75" (70 mm) in diameter. Cables attach to quick-connect links and pulling eyes that swivel during pulling to avoid tangles and possible cable damage. **Replacement rollers available. See page 14 for ordering information.**

Part

Number	Description
18308000	Overlash aerial cable puller



Reel Buck

Hold up to 48" [1,219 mm] diameter reels when a trailer is not available. Designed for one-person handling. 42" [1,067 mm] long. 1,000 lb. Load capacity. Spool Bar included.

Part Number	Description	Maximum Spool Width	
		(in)	(mm)
18100100	Reel Buck and Spool Bar	36	914



Reel Buck 18100100

Ground Rod Driver

Take a safe approach to ground rod installation with Ground Rod Drivers. One-person operation. Rubber coated spring handles. Accommodates ground rod up to 5/8" [16 mm] in diameter and is available in two models.

NOTE: Do not operate Ground Rod Drivers in areas where underground cables are present. Properly locate and mark adjacent utilities before using this product.

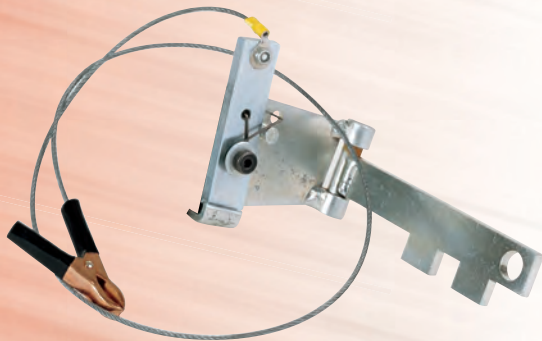
Part Number	Description
18000010	25 lb [11 kg] ground rod driver for normal soils
18000030	40 lb [18 kg] heavy-duty ground rod driver for difficult soils



Ground Rod Driver 18000030



Strand Brake 18107900

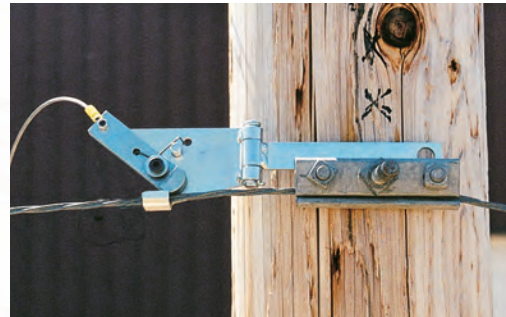


Strand Brake with ground 18107910

Strand Brake

Minimize strand sagging during installation with the Strand Brake. Designed to allow strand to move in only one direction—the direction of the pull. Convenient mounting bracket is secured in a standard 3-bolt strand clamp on a pole. Bracket swivels to allow slight offsets in pole alignment. A Strand Brake is a simple piece of safety equipment that can help avoid major problems associated with strand sagging. Available with ground wire clip that attaches to the ground wire of the first pole in series. Zinc-plated steel construction. Recommended use: Every 4 to 6 poles and at every traffic crossing.

Part Number	Description
18107900	Strand brake
18107910	Strand brake with ground



Throwing Weight

A safer way to throw pull line over obstacles. Three-inch [76 mm] diameter soft rubber ball with built-in eyelet.

Part Number	Description
18010100	Throw weight

Cable Caddy

Cable Caddy products are designed for the proper dispensing of drop cables. These lightweight caddies are portable, durable and help keep cable from twisting or becoming over-tensioned during pay out. Available in 5 models, all featuring tubular steel frames.

Cable Caddy 18120100

Support one reel of drop cable wire.

Cable Caddy 18120125

Support one reel of drop cable wire.

Cable Caddy 18120200

Collapsible frame has foam floor protectors on bottom. Folds to just 4" (101 mm) wide. Supports one reel.

Cable Caddy 18120225

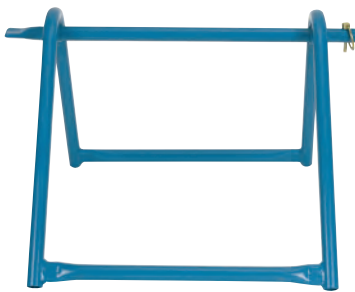
Collapsible frame. Folds to just 4" (101 mm) wide. Supports one reel.

Cable Caddy 18120300

Large capacity carrier has 6" (152 mm) wheels and upright support bar. Supports one reel.



Part Number	Description	Maximum Reel Diameter		Maximum Reel Width		Gross Load Capacity	
		(in)	(mm)	(in)	(mm)	(lb)	(kg)
18120100	Single reel cable caddy	18	457	15	381	100	45
18120125	Single reel cable caddy	24	609	24	609	100	45
18120200	Collapsible cable caddy	18	457	15	381	100	45
18120225	Collapsible cable caddy	24	609	24	609	100	45
18120300	Heavy-duty cable caddy	26	660	15	381	200	91



Cable Caddy 18120100



Cable Caddy 18120200



Cable Caddy 18120300



DUCT RODDERS

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FISHING & RODDING



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.

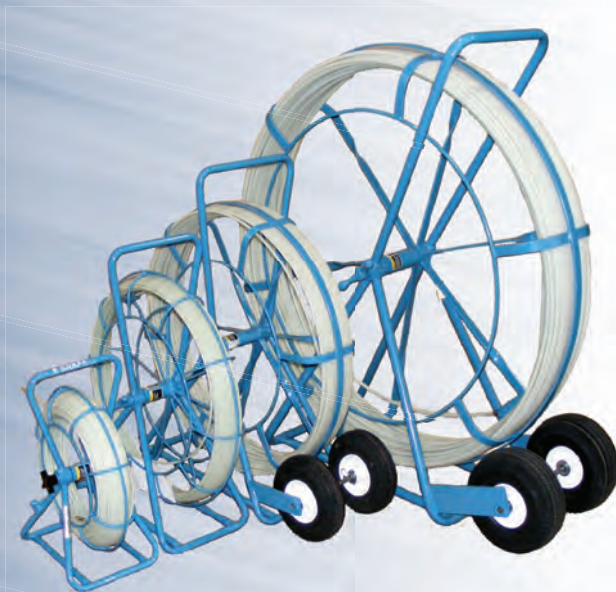
End Fittings Included

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.

All Duct Rodders come standard with a repair kit.



Dozens of rodder accessories (pgs. 24-29) are available to fit your rodding application.



End fittings are included with Condux duct rodders. Vary with rod type ordered. See page 28.



Condux duct rodders feature sturdy construction and reliable performance.



Hand-operated wheel brake adds control and safety.

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.

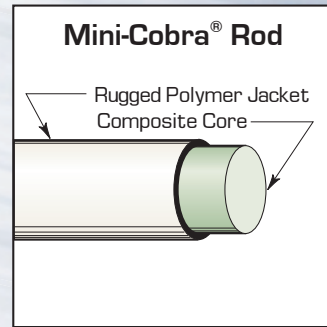
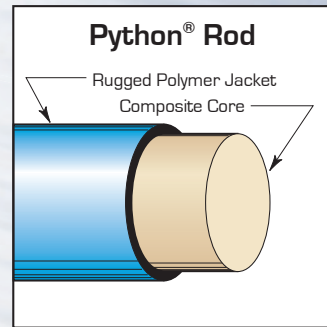
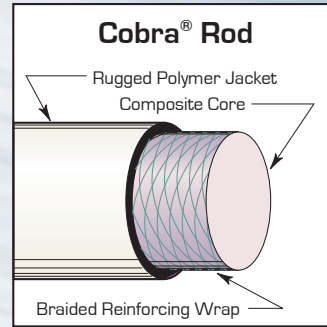
COBRA®: Cobra is our highest quality rod, designed for heavy-duty applications. It gets its extra strength from a unique construction process that ensures greater rigidity and strength, enabling it to endure the additional force required for long duct runs with multiple bends and sweeps. A braided wrap 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 comes with end fittings and tapered heads in a disposable replacement cage.

Replacement accessories listed on pages 24-29.



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)

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 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.



DUCT RODDERS (U.S. THREADS - USC)

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FISHING & RODDING

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
08083730	300	08079130
08083740	400	08079140
08083750	500	08079150
08083760	600	08079160
08083770	700	08079170
08083780	800	08079180
08083790	900	08079190
08083710	1000	08079110

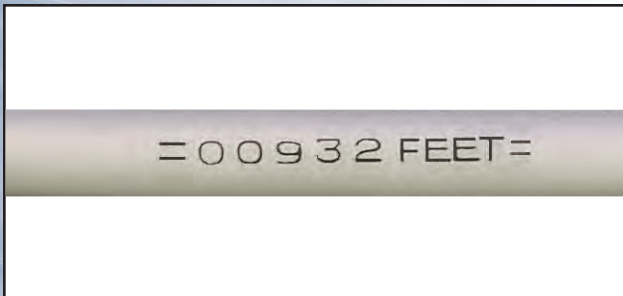
5/16" Python Rod		
3/8"-16 End Fitting		
30" Cage		
Part No.	Length (ft)	Replacement Rod No.
08084320	200	08082320
08084330	300	08082330
08084340	400	08082340
08084350	500	08082350
08084360	600	08082360
08084370	700	08082370
08084380	800	08082380
08084390	900	08082390
08084310	1000	08082310

FYI
All Duct Rodders come standard with a repair kit.

7/16" Cobra Rod		
3/8"-16 End Fitting		
45" Cage		
Part No.	Length (ft)	Replacement Rod No.
08083820	200	08086320
08083830	300	08086330
08083840	400	08086340
08083850	500	08086350
08083860	600	08086360
08083870	700	08086370
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" Python Rod		
3/8"-16 End Fitting		
45" Cage		
Part No.	Length (ft)	Replacement Rod No.
08083920	200	08086520
08083930	300	08086530
08083940	400	08086540
08083950	500	08086550
08083960	600	08086560
08083970	700	08086570
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
08083230	300	08075730
08083240	400	08075740
08083250	500	08075750
08083260	600	08075760
08083270	700	08075770
08083280	800	08075780
08083290	900	08075790
08083210	1000	08075710



Footage Marks

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

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

Additional charges apply.

5 mm Mini-Cobra Rod		
M5 End Fitting		
406 mm Cage		
Part No.	Length (m)	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 (m)	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 (m)	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 Python Rod		
M12 End Fitting		
762 mm Cage		
Part No.	Length (m)	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 (m)	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 Python Rod		
M12 End Fitting		
1143 mm Cage		
Part No.	Length (m)	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 (m)	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

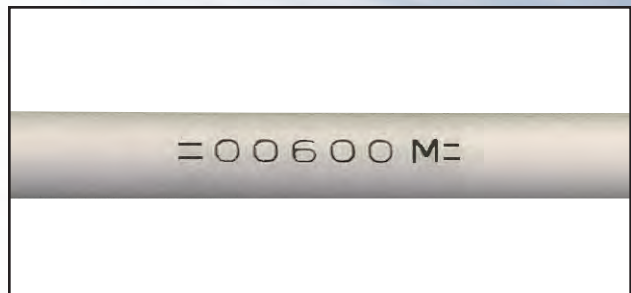


Metric Marks

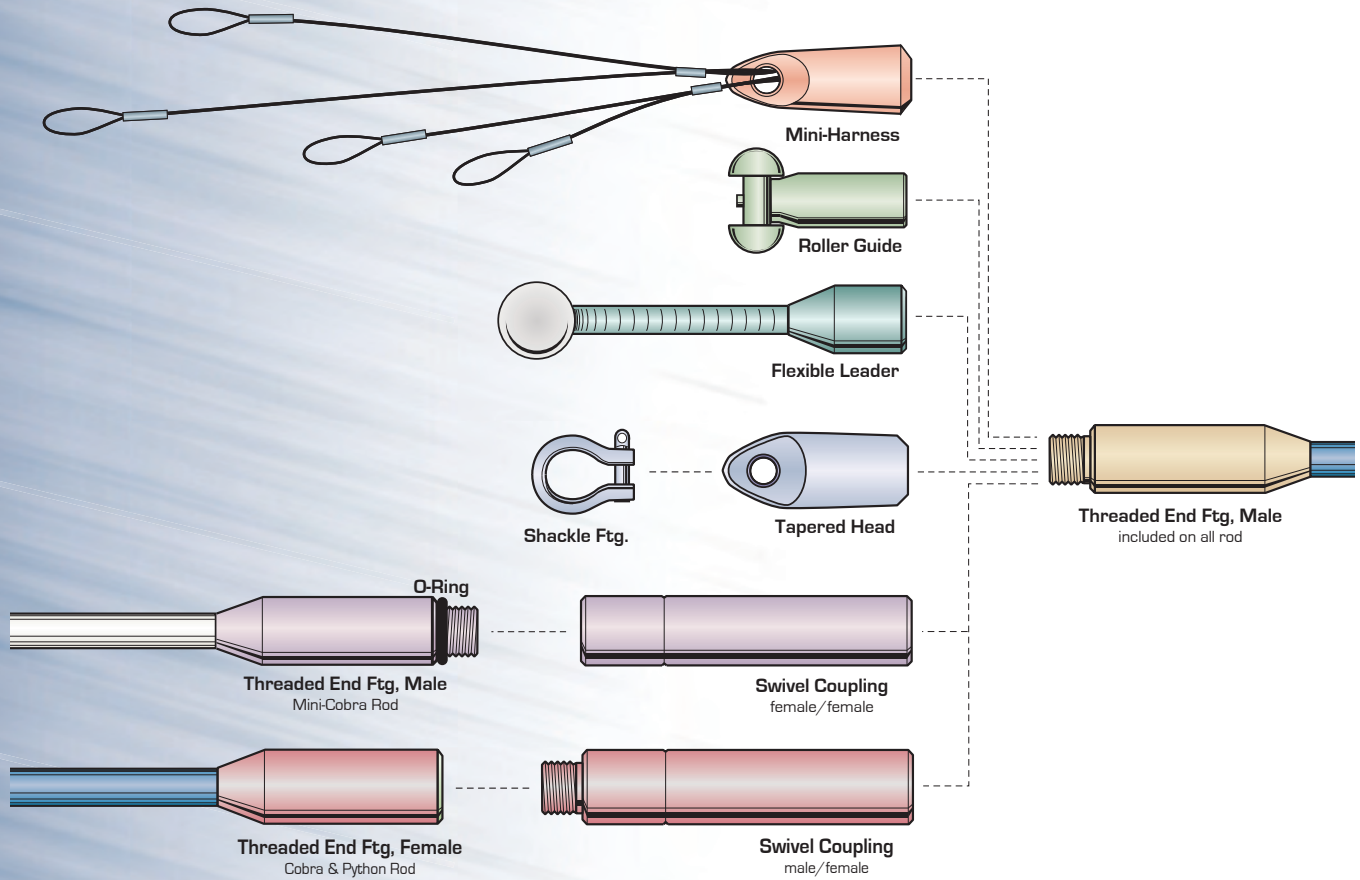
Optional metric marks are available on 8 mm, 11 mm and 13 mm Cobra and Python duct rod. Order metric marks by adding an M to the end of the existing part number. Metric marks are every meter.

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

Additional charges apply.



Duct Rodder Accessories



Accessory Kit

Popular accessories available in a convenient bag that attaches to the cage. Kit Includes: Canvas Bag, Roller Guide, Splice Kit, Epoxy, Swivel Coupling, Tapered head, and Threaded End Fittings.

Rod Dia., in (mm)	3/16 (5)*	1/4 (6)*	5/16 (8)	7/16 (11)	9/16 (13)
USC Thread	#12-24	5/16-18	3/8-16	3/8-16	3/4-10
Accessory Kit	08033498	08033499	08033497	08033494	08033488
Metric Thread	M5	M8	M12	M12	M12
Accessory Kit	08033492	08033493	08033496	08033495	08033489

*Kits for 3/16 (5 mm) and 1/4 (6 mm) rod also include a Flexible Leader and O-Rings.

Bag Only 08033490

Mini Harness

Screws onto the threaded end fitting to allow for easy wire attachment when pulling wire into conduit.

Rod Dia., in (mm)	3/16 (5)	1/4 (6)	5/16 (8)	7/16 (11)	9/16 (13)
USC Thread	#12-24	5/16-18	3/8-16	3/8-16	3/4-10
Mini Harness	08033433	08033434	08033435	08033435	08033436
Metric Thread	M5	M8	M12	M12	M12
Mini Harness	08033432	08033431	08033437	08033437	08033437



Roller Guide

Helps guide the duct rod around bends, sweeps, and duct misalignments. Also used when the conduit is already occupied by other cables.

US Duct Rodders Rod Diameter (in)	USC Thread	Roller Guide Part Number	Duct Range I.D. (in)
3/16	#12-24	08037430	.50 - 1.25
1/4	5/16-18	08037440	1.00 - 2.50
5/16	3/8-16	08037460	1.50 - 6.00
5/16	3/8-16	08037401	2.50 - 6.00
7/16	3/8-16	08037401	2.50 - 6.00
9/16	3/4-10	08037400	3.00 - 8.00
Metric Duct Rodders Rod Diameter (mm)	Metric Thread	Roller Guide Part Number	Duct Range I.D. (mm)
(5)	M5	08037428	12.7 - 32
(6)	M8	08037450	25 - 63
(8)	M12	08037405	63 - 152
(11)	M12	08037405	63 - 152
(13)	M12	08037405	76 - 203



5/16" (8 mm) to 9/16" (13 mm)



3/16" (5 mm) to 1/4" (6 mm)

Flexible Leader

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

Rod Dia., in (mm)	3/16 (5)	1/4 (6)	5/16 (8)	7/16 (11)	9/16 (13)
USC Thread	#12-24	5/16-18	3/8-16	3/8-16	3/4-10
Flexible Ldr.	08033423	08033443	08037538	08037538	08037534
Metric Thread	M5	M8	M12	M12	M12
Flexible Ldr.	08033448	08033444	08037512	08037512	08037512



3/16" (5 mm) to 1/4" (6 mm)



5/16" (8 mm) to 9/16" (13 mm)



Shackle Fitting

Fits onto Tapered Head to provide a larger pulling loop for attaching the rope or pull line.

Rod Dia., in (mm)	3/16 (5)	1/4 (6)	5/16 (8)	7/16 (11)	9/16 (13)
USC Thread	#12-24	5/16-18	3/8-16	3/8-16	3/4-10
Shackle Fitting	-	-	08031101	08031101	08031100
Metric Thread	M5	M8	M12	M12	M12
Shackle Fitting	-	-	08031101	08031101	08031101



Female/Female



Male/Female

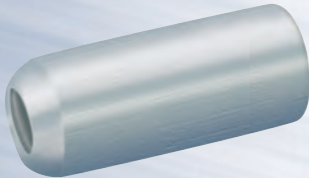
Swivel Coupling

Used to connect two duct rods pushed into the conduit from the same end. Used when one length of duct rod is not long enough for the full conduit run. Also used as a rotating swivel when pulling wire or rope with the Tapered Head or Mini-Harness.

Rod Dia., in (mm)	3/16 (5)	1/4 (6)	5/16 (8)	7/16 (11)	9/16 (13)
USC Thread	#12-24	5/16-18	3/8-16	3/8-16	3/4-10
Female/Female	08033470	08033459	-	-	-
Male/Female	08033422	08033442	08036800	08036800	08036700
Metric Thread	M5	M8	M12	M12	M12
Female/Female	08033429	08033483	-	-	-
Male/Female	08033426	08033485	08036806	08036806	08036806

Sonde Adapter

Couples a locating sonde or other device with an M10 male thread to the male end fitting of the duct rod. Specify sonde, thread and rodder.



Rod Dia., in (mm)	3/16 (5)	1/4 (6)	5/16 (8)	7/16 (11)	9/16 (13)
USC Thread	#12-24	5/16-18	3/8-16	3/8-16	3/4-10
Sonde Adapter	-	08036500	08036503	08036503	08036504
Metric Thread	M5	M8	M12	M12	M12
Sonde Adapter	-	08036505	08036501	08036501	08036501

Custom adapters available upon request.

Repair Kit

Replacement repair kit that comes standard with duct rod. Accessories available in a convenient bag that attaches to the cage.

Rod Dia., in (mm)	3/16 (5)	1/4 (6)	5/16 (8)	7/16 (11)	9/16 (13)
Replacement Kit	08035770	08035772	08035774	08035776	08035778



Duct Rodder Replacement Brake Handles

Use Condux Duct Rodder Replacement Brake Handles to replace missing or damaged handles on existing cages.

Part No.	Description
02218300	16" (406 mm) Duct Rodder Replacement Brake Handle
08081547	24" (610 mm) Duct Rodder Replacement Brake Handle
08081547	30" (762 mm) Duct Rodder Replacement Brake Handle
08081567	45" (1,143 mm) Duct Rodder Replacement Brake Handle



FISHING & RODDING

Duct Rodder Replacement Cages

Use Condux Duct Rodder Replacement Cages to update older cages or to replace damaged cages. Fits all major manufacturers' fiberglass rods.

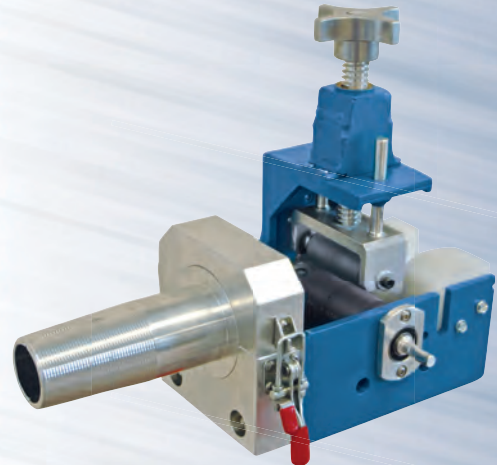
Rod Dia., in (mm)	3/16 (5)	1/4 (6)	5/16 (8)	7/16 (11)	9/16 (13)
Replacement Cage	08081516R	08081524R	08081530R	08081550R	08081550R
Cage Diameter	16" (406)	24" (610)	30" (762)	45" (1,143)	45" (1,143)



Duct Rod Pusher

The Condux Rod Pusher, which has been designed for the purpose of installing duct rod into conduit. The conduit must previously have been installed underground or overhead to receive the duct rod and must be of sufficient length on exit to be received by the machine. The duct rod is continuously pushed into the conduit by a roller drive powered by a cordless, corded or pneumatic drill. Screw adapter into conduit and clamp pusher to the adapter.

Part Number	Description
08081301	Duct Rod Pusher



Split Threaded Adapter Part No.	Duct Size (in)	Duct I.D. Range
08201108	.75	0.83 - 1.00
08201110	1	0.90 - 1.13
08201112	1.25	1.25 - 1.40
08201115	1.5	1.40 - 1.65
08201020	2	1.91 - 2.10
08201025	2.5	2.29 - 2.47
08201030	3	2.83 - 3.10
08201041	4	3.80 - 4.06
08201051	5	4.71 - 5.08
08201061	6	5.61 - 6.10



DUCT RODDER ACCESSORIES

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FISHING & RODDING

Female End Fitting



Male End Fitting

FYI
Don't forget to order the Epoxy.

Replacement/Repair Accessories

Threaded End Fittings

Use as a replacement to the factory installed end fittings if the end fitting breaks off or if the duct rod breaks close to the end of the rod. Installation instructions are included with the end fittings. Epoxy is required for installation and is ordered separately.

Rod Dia., in (mm)	3/16 (5)	1/4 (6)	5/16 (8)	7/16 (11)	9/16 (13)
USC Thread	#12-24	5/16-18	3/8-16	3/8-16	3/4-10
Male	08033420K	08033440K	08036307K	08036303K	08036005K
Female	-	-	08036306K	08036304K	08036006K
Metric Thread	M5	M8	M12	M12	M12
Male	08033487	08033486	08036318	08036319	08036316
Female	-	-	08036317	08036314	08036315

Splice Kit

Use to repair the duct rod if it breaks. Kit includes: Splice Tube, Epoxy and installation instructions.

Rod Dia., in (mm)	3/16 (5)	1/4 (6)	5/16 (8)	7/16 (11)	9/16 (13)
Splice Kit	08033457	08033465	08035753	08035751	08035752
Splice Tube Only	08033455	08033463	08035703	08035701	08035702



Splice Kit

Splice Tube

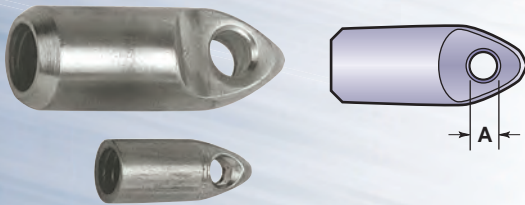
Epoxy

Use with End Fittings or Splice Tubes to repair Duct Rodders.

Part Number	Description
08035851	Single pack for replacing end fittings
08035852	Double pack for splice tubes

Tapered Head

Attaches to the end fitting on the duct rod. Guides duct rod through the conduit and allows a pull line (diameter A) to be attached to the duct rod. Comes standard with each of the duct rodders.



Rod Dia., in (mm)	3/16 (5)	1/4 (6)	5/16 (8)	7/16 (11)	9/16 (13)
USC Thread	#12-24	5/16-18	3/8-16	3/8-16	3/4-10
Tapered Head	08033421	08033441	08038400	08038400	08038300
Diameter A	.156 (4)	.156 (4)	.281 (7)	.281 (7)	.343 (9)
Metric Thread	M5	M8	M12	M12	M12
Tapered Head	08033410	08033480	08038301	08038301	08038301
Diameter A	.156 (4)	.156 (4)	.281 (7)	.281 (7)	.281 (7)

O-Rings

Used to help keep accessories on the end fitting while rodding. Comes standard with the Mini-Cobra rodders.

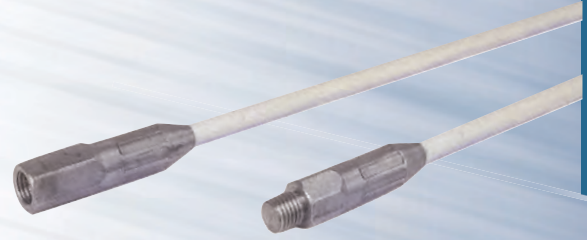


Rod Dia., in (mm)	3/16 (5)	1/4 (6)	5/16 (8)	7/16 (11)	9/16 (13)
USC Thread	#12-24	5/16-18	3/8-16	3/8-16	3/4-10
O-Rings	02163600	02215000	-	-	-
Metric Thread	M5	M8	M12	M12	M12
O-Rings	02163600	02215000	-	-	-

Fiberglass Hand Rods

Screw together fiberglass duct rods for straight runs. All rods equipped with 3/4"-10 end fittings, which work with 3/4"-10 duct rodder accessories (see pgs. 24-29). 2,500 lbs. (11,120 N) pull rating.

Part Number	Size (in x ft)	Size (mm x m)
08032026	5/8 x 5	16 x 1.5
08032022	5/8 x 10	16 x 3



FISHING & RODDING

Replacement Brass Hand Rod End Fittings

Requires Epoxy: 08035851

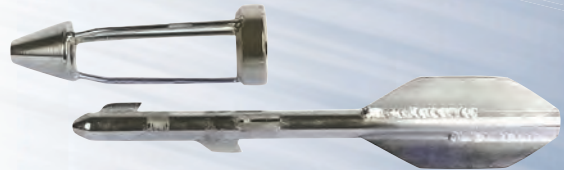
Part Number	Size/Type in (mm)
08036157	3/4"-10 male end for 5/8" (16 mm) rod
08036156	3/4"-10 female end for 5/8" (16 mm) rod



Basket Combination

Used to connect two hand rods pushed into the conduit from opposite ends of the conduit run. Both rods can then be pulled out in one direction. Used instead of a swivel coupling when the full length of the rod is difficult to push from one end. Works in 4" (102 mm) or larger conduit only. Does not negotiate tight bends.

Rod Dia., in (mm)	3/16 (5)	1/4 (6)	5/16 (8)	7/16 (11)	9/16 (13)
USC Thread	#12-24	5/16-18	3/8-16	3/8-16	3/4-10
Basket Comb.	-	-	08031400	08031400	08031300
Metric Thread	M5	M8	M12	M12	M12
Basket Comb.	-	-	08033700	08033700	08033700





Universal Seal-Off Control Valve

The Universal Seal-Off Control Valve Body is used with the Innerduct Seal-Off, Conduit Seal-Off, and Double Seal-Off. Use the interchangeable heads for the style and size you need. Comes equipped with an air flow valve and a universal hose coupling for attachment to most compressors. $\frac{3}{16}$ " (5 mm) rope adapter included.

Part Number	Description
08032165	Seal-Off control valve body

FYI

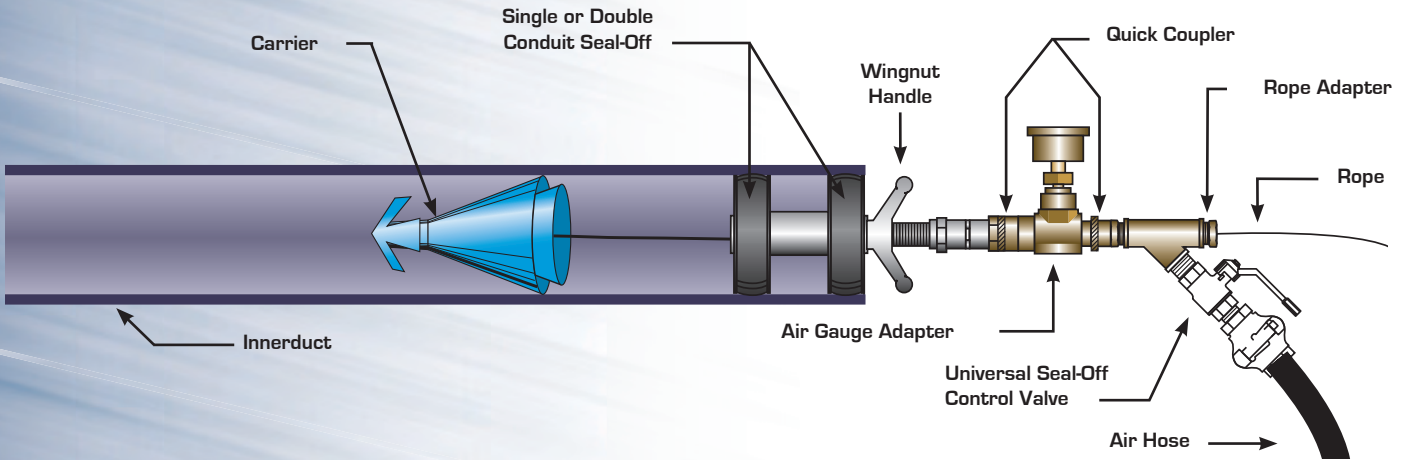
15 psi Max Pressure.



Air Gauge Adapter

The Air Gauge Adapter is used for monitoring air pressure on the Innerduct Seal-off, Conduit Seal-off, and Double Seal-off. (do not exceed 15 PSI)

Part Number	Description
08032175	Air Gauge Adapter

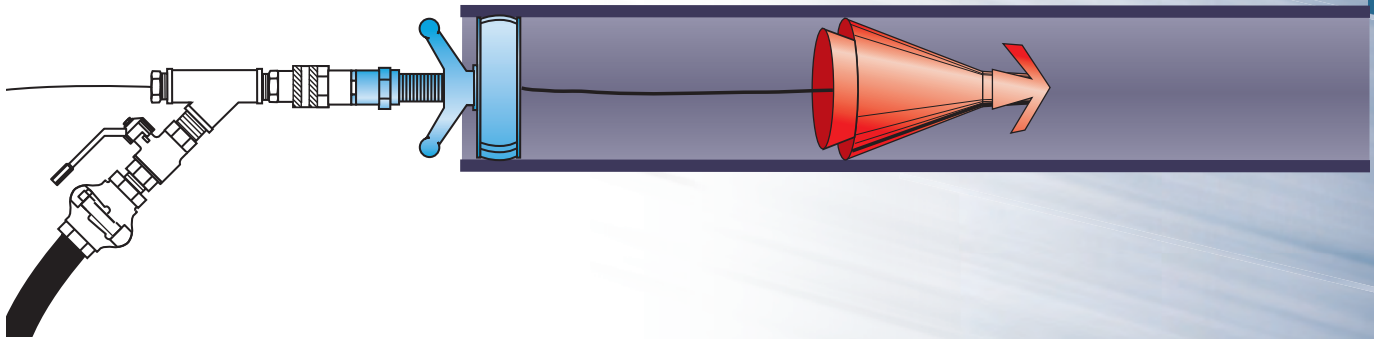
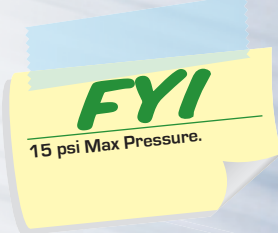


Individual Innerduct Seal-Offs

Part Number	Description	Nominal Duct Size		Innerduct I.D. Range	
		(in)	(mm)	(in)	(mm)
08034321	$\frac{3}{4}$ " Quick Innerduct Seal-Off	$\frac{3}{4}$	19	.72-.94	19-24
08034315	1" Quick Innerduct Seal-Off	1	25	.93-1.19	24-30
08034316	1 $\frac{1}{4}$ " Quick Innerduct Seal-Off	1 $\frac{1}{4}$	32	1.18-1.44	30-37
08034317	1 $\frac{1}{2}$ " Quick Innerduct Seal-Off	1 $\frac{1}{2}$	38	1.31-1.69	33-43
08034318	2" Quick Innerduct Seal-Off	2	51	1.93-2.31	49-59

Compressor Seal-Offs

Universal duct seal-off for blowing projectiles and line carriers (see pgs. 36-37) through the duct using an external air compressor. **Order Seal-Off Body, Control Valve and Seal-Off Heads separately.**



Individual Conduit Seal-Offs

Part Number	Description	Nominal Duct Size		Duct I.D. Range	
		(in)	(mm)	(in)	(mm)
08032900	2" Quick Conduit Seal-Off	2	51	1.93-2.36	49-60
08032905	2½" Quick Conduit Seal-Off	2½	63	2.40-2.76	61-70
08032910	3" Quick Conduit Seal-Off	3	76	2.87-3.31	73-84
08032915	3½" Quick Conduit Seal-Off	3½	89	3.50-3.75	89-95
08032920	4" Quick Conduit Seal-Off	4	102	3.54-4.25	90-108
08032925	5" Quick Conduit Seal-Off	5	127	4.72-5.37	120-136
08032930	6" Quick Conduit Seal-Off	6	152	5.50-6.29	140-160
08032935	8" Quick Conduit Seal-Off	8	203	7.83-8.27	199-210



Individual Double Seal-Offs

Part Number	Description	Nominal Duct Size		Duct I.D. Range	
		(in)	(mm)	(in)	(mm)
08032940	2" Quick Double Seal-Off	2	51	1.93-2.36	49-60
08032945	2½" Quick Double Seal-Off	2½	63	2.40-2.76	61-70
08032950	3" Quick Double Seal-Off	3	76	2.87-3.31	73-84
08032955	3½" Quick Double Seal-Off	3½	89	3.50-3.75	89-95
08032960	4" Quick Double Seal-Off	4	102	3.54-4.25	90-108
08032965	5" Quick Double Seal-Off	5	127	4.72-5.37	120-136
08032970	6" Quick Double Seal-Off	6	152	5.50-6.29	140-160
08032975	8" Quick Double Seal-Off	8	203	7.83-8.27	199-210





CONDEX

LOW PRESSURE SEAL-OFFS

FISHING & RODDING



Rope Adapter Kit

Allows a wider range of rope diameters to be used with the Innerduct and Compressor seal-offs. Adapters specific for 3/16" (5 mm), 1/4" (6 mm), 3/8" (10 mm) diameter ropes provide optimum seal-off performance.

Part Number	Description
08032181	Adapter Kit for Conduit Seal-Offs
08032190	3/16" (5 mm) Rope Adapter
08032191	1/4" (6 mm) Rope Adapter
08032170	3/8" (10 mm) Rope Adapter



Replacement Seals for Compressor Seal-Offs

Part Number	Nominal Duct Size	
	(in)	(mm)
08082121	2	51
08082126	2 1/2	63
08082131	3	76
08082136	3 1/2	89
08082141	4	102
08082151	5	127
08082161	6	152

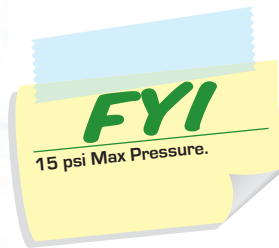


Order individual innerduct seal-offs on page 31.

Innerduct Seal-Off Case

Inserts into the innerduct and twists tight for seal. Comes standard with Universal control valve, 3/16" (5 mm) Rope Adapter, and case. Seal-offs sold separately.

Part No.	Description
08032984	Universal Control Valve & Case (Innerduct)



Replacement Handle for Single & Double Seal-offs

Use to replace missing or damaged handles for Individual Conduit Seal-offs or Individual Double Seal-offs.

Part No.	Description
08032179	Replacement Handle for Single and Double Seal-offs

Conduit Seal-Off Case

Locks into duct with a turn of the wing-nut handle, compressing rubber ring for a better seal. Comes standard with Universal control valve, $\frac{3}{16}$ " (5 mm) Rope Adapter, and case. Seal-offs sold separately.

Part No.	Description
08032980	Universal Control Valve & Case (Single Conduit)



Order individual conduit seal-offs on page 31.

Double Seal-Off Case

Locks into duct with a turn of the wing-nut handle, compressing both rubber rings for a better seal. Comes standard with Universal control valve, $\frac{3}{16}$ " (5 mm) Rope Adapter, and case. Seal-offs sold separately.

Part No.	Description
08032983	Universal Control Valve & Case (Double Conduit)



Order individual double seal-offs on page 31.



POWER DART® BLOWER

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FISHING & RODDING



Power Dart® Blower

The Power Dart® Blower is a pneumatic rodding system especially suited for long duct runs. A three-motor system allows you to choose the right speed for your needs. With all three motors engaged, the Power Dart Blower will deliver up to 300 cfm (8.5 m³/min) of air at 3 psi (.2 bar) max. pressure, easily blowing 1/2" [13 mm] poly line or measuring tape over 2,000 feet (610 m) in conduit up to 6 inches (152 mm) in diameter. Weighs only 31 pounds (14 kg) and operates at 110 Volts. 110 Volt model includes a 30 amp twist plug. **Requires a 3,000 Watt generator.**

Base Part No.	Description
08030003	110V Power Dart Blower

(Includes: 110V Power Dart Blower Unit, Hose, Body Seal-Off & Seal-Offs for 1/2" - 6" [13 mm-152 mm] Conduit
Carriers not included.

Bag Option

Part Number	Description
08030060	Power dart blower accessory bag

Carrier Kit Option

Part Number	Description
08030011	Carrier Kit for Power Dart Blower

Parts in Carrier Kit:

QTY	Part Number	Description
(2)	08067900	2" (51 mm) Line Carrier
(1)	08030300	4" (102 mm) Line Carrier
(2)	08031820	2" (51 mm) Duct Projectile
(1)	08031840	4" (102 mm) Duct Projectile
(1)	08033532	Carrier, Chute 2.00 Nylon
(1)	08033548	Carrier, Chute 3.00 Nylon
(1)	08033564	Carrier, Chute 4.00 Nylon
(1)	08039400	Seal-Off Body Handle
(1)	08066800	Power Dart Seal-Off 1 1/2"-2 1/2" (38-64mm)
(1)	08039500	Power Dart Seal-Off 2 1/2"-6" (64-152mm)



Foam Carrier Options

Part Number	Description
08078200	1/2" (13 mm) Foam Carrier
08078300	3/4" (19 mm) Foam Carrier
08032200	1" (25 mm) Foam Carrier
08033600	30 mm Foam Carrier
08032300	1 1/4" (32 mm) Foam Carrier
08039800	1 1/2" (38 mm) Foam Carrier
08033500	45 mm Foam Carrier
08032400	2" (51 mm) Foam Carrier
08033800	60 mm Foam Carrier
08078400	2 1/2" (64 mm) Foam Carrier
08032500	3" (76 mm) Foam Carrier
08033900	80 mm Foam Carrier
08032100	3 1/2" (89 mm) Foam Carrier
08032600	4" (102 mm) Foam Carrier
08059100	5" (127 mm) Foam Carrier
08059200	6" (152 mm) Foam Carrier



Line Carrier Options

Part Number	Description
08067900	2" (51 mm) Line Carrier
08030100	3" (76 mm) Line Carrier
08030200	3 1/2" (89 mm) Line Carrier
08030300	4" (102 mm) Line Carrier
08030400	5" (127 mm) Line Carrier
08030500	6" (152 mm) Line Carrier



Duct Projectile Options

Part Number	Description
08031812	1 1/4" (32 mm) Duct Projectile
08031814	1 3/8" (35 mm) Duct Projectile
08031815	1 1/2" (38 mm) Duct Projectile
08031816	1 5/8" (41 mm) Duct Projectile
08031820	2" (51 mm) Duct Projectile
08031822	2 1/4" (57 mm) Duct Projectile
08031825	2 1/2" (64 mm) Duct Projectile
08031830	3" (76 mm) Duct Projectile
08031835	3 1/2" (89 mm) Duct Projectile
08031840	4" (102 mm) Duct Projectile
08031844	4 1/4" (108 mm) Duct Projectile
08031846	4 1/2" (114 mm) Duct Projectile
08031850	5" (127 mm) Duct Projectile
08031860	6" (152 mm) Duct Projectile
08031880	8" (203 mm) Duct Projectile



Cable Chute Line Carrier Options

(See pg 36 for additional sizes)

Part Number	Description
08033520	Carrier, Chute 1.25 Nylon
08033532	Carrier, Chute 2.00 Nylon
08033548	Carrier, Chute 3.00 Nylon
08033564	Carrier, Chute 4.00 Nylon
08033596	Carrier, Chute 6.00 Nylon



Replacement Accessories

Power Dart Blower Seal-Off

Part Number	Duct Size	
	(in)	(mm)
08039700*	1/2-1 1/4	13-32
08066800	1 1/2-2 1/2	38-64
08039500	2 1/2-6	64-152

*Requires Part Number 08066800 to work.

Power Dart Blower Seal-Off Handle

Part Number	Duct Size	
	(in)	(mm)
08039400	1/2-6	13-152

Power Dart Hose

Part Number	Description
08039300	25' (7.6 m) x 2 1/2" (64 mm) heavy duty hose
08039301	Replacement hose end fitting
08039302	Outlet Fitting on the power dart blower box



Power Dart Blower Accessory Bag

Convenient canvas bag holds power dart hose. Inner bag holds Line Carriers, Foam Carriers, Seal-Off Body and Seal-Offs.

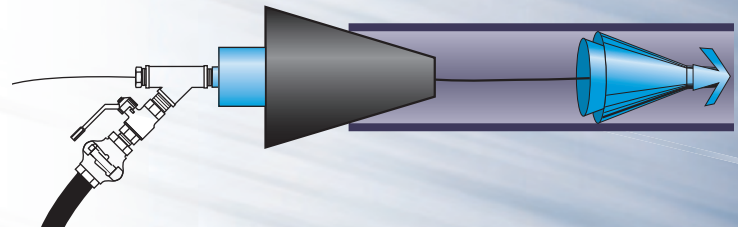
Part Number	Description
08030060	Power dart blower accessory bag



Quick Connect Seal-Off Control Valve

The Quick Connect Seal-Off Control Valve is used to connect the Power Dart Blower Seal-Offs to a standard air compressor claw fitting. Comes equipped with an air flow valve and a universal hose coupling for attachment to most compressors. 3/16" (5 mm) rope adapter included. See page 32 for other rope adapters available.

Part Number	Description
08032185	Quick connect seal-off control valve





Foam Carrier

Lightweight carrier easily blows through duct. Best suited for short runs and runs with multiple bends.

Part Number	Duct Size		Max O.D.	
	(in)	(mm)	(in)	(mm)
08078200	½	13	.50	13
08078300	¾	19	.75	19
08032200	1	25	1.00	25
08032300	1¼	32	1.25	32
08039800	1½	38	1.50	38
08033500		45		45
08032400	2	51	2.00	51
08033800		60		60
08078400	2½	64	2.50	64
08032500	3	76	3.00	76
08033900		80		80
08032100	3½	89	3.50	89
08032600	4	102	4.00	102
08059100	5	127	5.00	127
08059200	6	152	6.00	152



Line Carriers

Fast and efficient plastic carriers for fishing with high-speed blowers even in out-of-round duct. Carrier will travel over minor obstructions in duct.

Part Number	Duct Size		Max O.D.	
	(in)	(mm)	(in)	(mm)
08067900	2	51	2.06	52
08030100	3	76	3.06	78
08030200	3½	89	3.56	90
08030300	4	102	4.06	103
08030400	5	127	5.06	129
08030500	6	152	6.06	154



Cable Chute Line Carriers

Condux Cable Chute Line Carriers are designed to pass through conduit without damaging the conduit or existing cable. To use a Cable Chute Line Carrier you would tie a line or webbing to a Chute, insert the Chute into the Conduit or duct, and blow compressed air propelling the Chute to the end of the duct.

All Cable Chute Line Carriers are made with the highest quality fabrics (nylon or leather) and attention to detail. All products are hand made and go through a series of quality checks prior to being shipped out.

Advantages of using Cable Chute Line Carriers over other carriers:

- No damage to cable or conduit
- Eliminates need for duct rodding
- Durable and flexible
- Quick and easy installation
- Cost effective

Part Number	Description
08033512	Carrier, Chute 0.75 Nylon
08033516	Carrier, Chute 1.00 Nylon
08033520	Carrier, Chute 1.25 Nylon
08033524	Carrier, Chute 1.50 Nylon
08033532	Carrier, Chute 2.00 Nylon
08033548	Carrier, Chute 3.00 Nylon
08033564	Carrier, Chute 4.00 Nylon
08033580	Carrier, Chute 5.00 Nylon
08033596	Carrier, Chute 6.00 Nylon
08033648	Carrier, Chute 3.00 Nylon w/ Spring
08033664	Carrier, Chute 4.00 Nylon w/ Spring
08033680	Carrier, Chute 5.00 Nylon w/ Spring
08033696	Carrier, Chute 6.00 Nylon w/ Spring
08033732	Carrier, Chute 2.00 Leather
08033748	Carrier, Chute 3.00 Leather
08033764	Carrier, Chute 4.00 Leather
08033796	Carrier, Chute 6.00 Leather

Duct Projectile

Flexible rubber cones are durable for many repeated uses. Fast and efficient for long runs with easy pull-back.

Part Number	Duct Size		Max O.D.	
	(in)	(mm)	(in)	(mm)
08031812	1¼	32	1.25	32
08031814	1⅝	35	1.37	35
08031815	1½	38	1.50	38
08031816	1⅞	41	1.62	41
08031820	2	51	2.00	51
08031822	2¼	56	2.20	56
08031825	2½	64	2.50	64
08031830	3	76	3.00	76
08031835	3½	89	3.50	89
08031840	4	102	4.00	102
08031844	4¼	108	4.25	108
08031846	4½	115	4.51	115
08031850	5	127	5.00	127
08031860	6	152	6.00	152
08031880	8	203	8.00	203



FISHING & RODDING

Replacement Cones For Duct Projectile

Original equipment replacement cones.

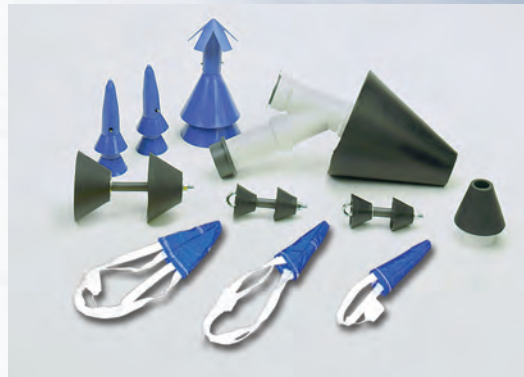
Part Number	Duct Size		Max O.D.	
	(in)	(mm)	(in)	(mm)
08031805	1¼	32	1.25	32
08031803	1⅝	35	1.38	35
08031806	1½	38	1.50	38
08031804	1⅞	41	1.63	41
08031819	2	51	2.00	51
08031821	2¼	56	2.20	56
08031826	2½	64	2.50	64
08031831	3	76	3.00	76
08031802	3½	89	3.50	89
08031841	4	102	4.00	102
08031801	4¼	108	4.25	108
08031847	4½	115	4.51	115
08031851	5	127	5.00	127
08031861	6	152	6.00	152
08031881	8	203	8.00	203



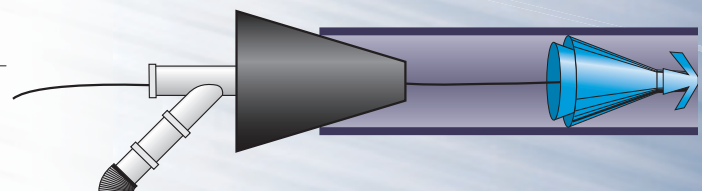
Carrier Kit For Power Dart Blowers

A convenient way to order a practical assortment of carriers and seal-off products for use with the Power Dart Blower or other applications. Kit includes the following:

Item	Duct Size	
	(in)	(mm)
Power Dart Blower Seal-Off	1½-2½	38-64
Power Dart Blower Seal-Off	2½-6	64-152
Power Dart Blower Seal-Off Body	½-6	13-152
Line Carrier	2	51
Line Carrier	4	102
Carrier, Chute 2.00 Nylon	2	51
Carrier, Chute 3.00 Nylon	3	76
Carrier, Chute 4.00 Nylon	4	102
Duct Projectile	2	51
Duct Projectile	4	102



Part Number	Description
08030011	Carrier Kit for Power Dart Blowers





WINCH LINE BLOWER

CONDEX

FISHING & RODDING

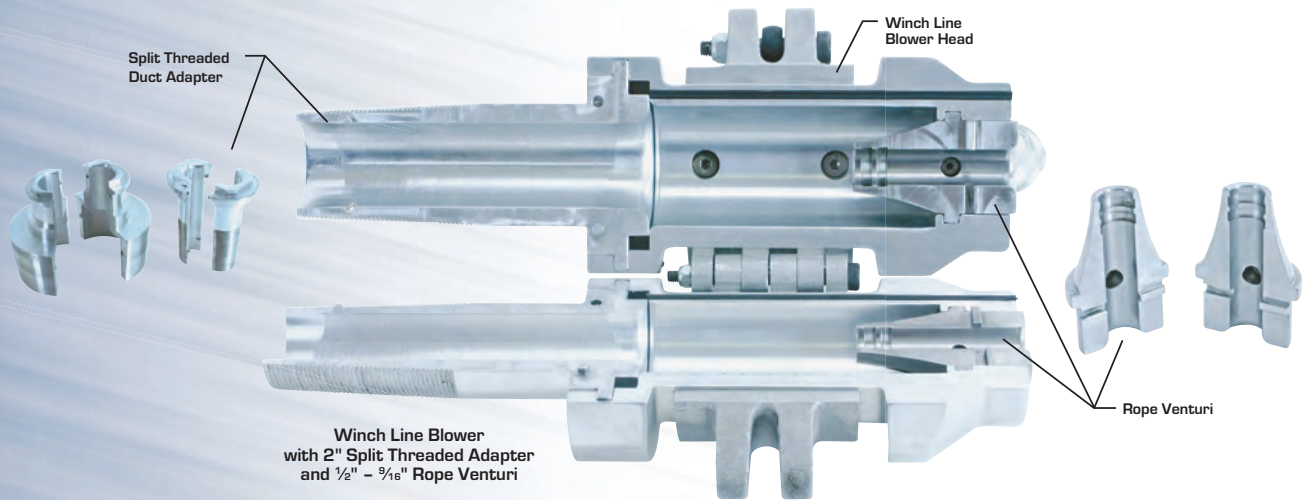


The Condux Winch Line Blower

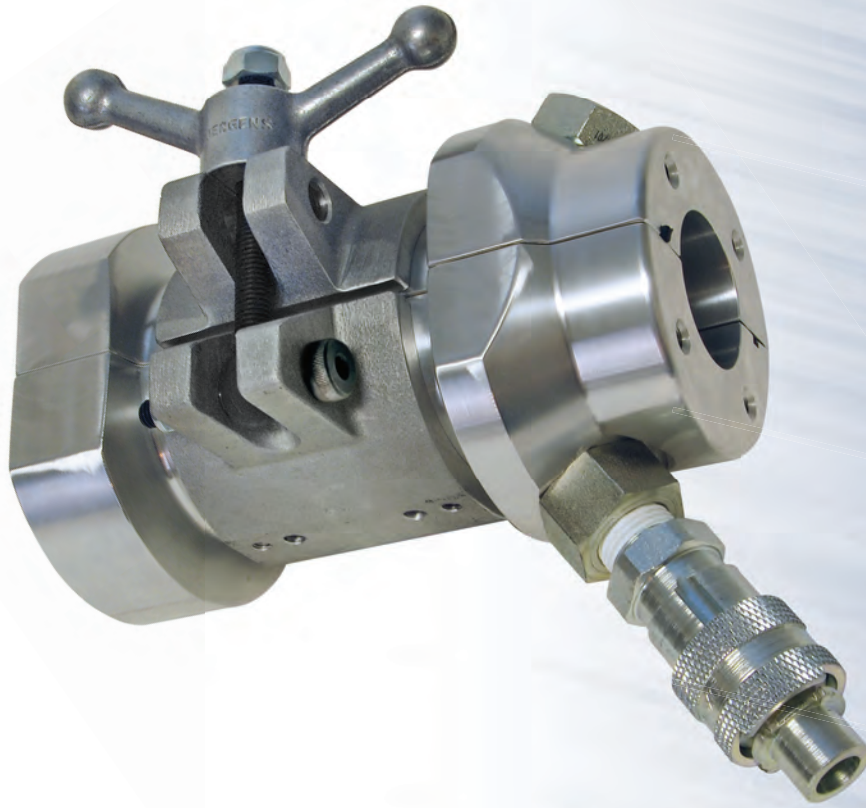
Is a method of installing winch line in Conduit. It turns the job of pulling winch line into one easy step. Eliminating the need to blow a string and pull back a rope.

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. Follow the steps called out on page 39.



Split Threaded Adapter Part No.	Duct Size (in)	Duct I.D. Range	Rope Venturi			Conduit Carrier
			¼ - ⅜ (in)	½ - ⅝ (in)	⅞ (in)	
08201108	.75	0.83 - 1.00	08201089	08201086	08201090	Call Factory
08201110	1	0.90 - 1.13	08201089	08201086	08201090	Call Factory
08201112	1.25	1.25 - 1.40	08201089	08201086	08201090	Call Factory
08201115	1.5	1.40 - 1.65	08201089	08201086	08201090	Call Factory
08201020	2	1.91 - 2.10	08201089	08201086	08201090	08202020
08201025	2.5	2.29 - 2.47	08201089	08201086	08201090	08202520
08201030	3	2.83 - 3.10	08201089	08201086	08201090	08202920
08201041	4	3.80 - 4.06	08201089	08201086	08201090	08203920
08201051	5	4.71 - 5.08	08201089	08201086	08201090	08204920
08201061	6	5.61 - 6.10	08201089	08201086	08201090	08205920



WINCH LINE & ROPE INSTALLATION



Attach winch line to carrier and insert carrier into pipe.



Install the winch line in the conduit and thread adapter into conduit.



Place the winch line in the main blower body and select the proper venturi.



Complete the assembly, attach compressed air hose and blow in winch line.

PULLING TAPE INSTALLATION



Install pulling tape into winch blower through $\frac{1}{16}$ " tape adapter.



Attach pulling tape to carrier and insert carrier into pipe.



Install threaded adapter into conduit and assemble split winch line blower body.



Complete the assembly and blow in tape.



CONDUX

WINCH LINE BLOWER

FISHING & RODDING



Body

Part No.	Description
08201080	Winch Line Body Assembly 2-6in (body includes 1/2 - 3/16 venturi set)



Venturis

Part No.	Description
08201089	Venturi, Winch Line 1/4 - 3/8 set
08201086*	Venturi, Winch Line 1/2 - 9/16 set
08201090	Venturi, Winch Line 7/8 set

* Comes standard.

Plug

Part No.	Description
08780223	Plug, Venturi Air LW FO Blower (Used to seal off back to blow in mule tape or pea line)



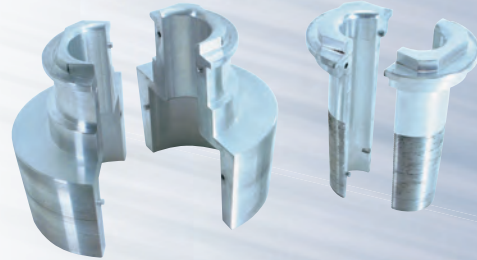
Hose & Valve

Part No.	Description
08201015	Hose Valve Assembly-Winch Line

Adapters

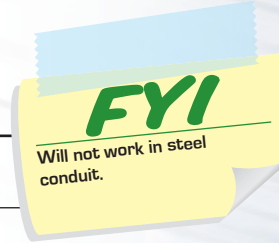
Part No.	Description
08201108	Winch Line Duct Adapter .75 in
08201110	Winch Line Duct Adapter 1 in
08201112	Winch Line Duct Adapter 1.25 in
08201115	Winch Line Duct Adapter 1.5 in
08201020	Winch Line Duct Adapter 2 in
08201025	Winch Line Duct Adapter 2 ½ in
08201030	Winch Line Duct Adapter 3 in
08201041	Winch Line Duct Adapter 4 in
08201051	Winch Line Duct Adapter 5 in
08201061	Winch Line Duct Adapter 6 in

See ranges on page 38.



Carriers

Part No.	Description
08202020	Carrier, Winch Line 2 S40&80, TC6
08202520	Carrier, Winch Line 2 ½ S40&80
08202920	Carrier, Winch Line 3 SCH 40&80
08203020	Carrier, Winch Line 3 S40, TC6&8
08203920	Carrier, Winch Line 4 S40&80, TEL
08204020	Carrier, Winch Line 4 S40, TEL
08204920	Carrier, Winch Line 5 SCH 40&80
08205020	Carrier, Winch Line 5 S40, TC6&8
08205920	Carrier, Winch Line 6 SCH 40&80
08206020	Carrier, Winch Line 6 S40, TC6&8



Rope Adapter

Rope Adapter
08201091

Storage Case

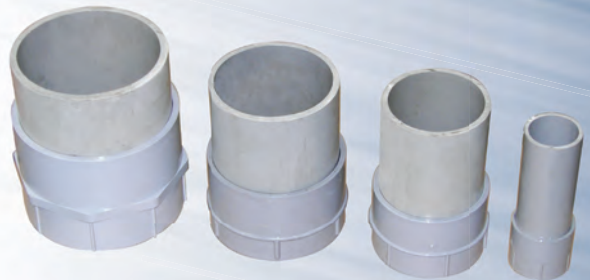
Storage Case
08201093



The Condux GRC to PVC Coupling

An accessory for the Condux Split Winch Line Blower. Adapt your threaded GRC pipe to PVC so you can use the Condux Winch Line Blower to blow in your hardline, rope or tape.

Part No.	Description
08201620	2" GRC to PVC Coupling
08201640	4" GRC to PVC Coupling
08201650	5" GRC to PVC Coupling
08201660	6" GRC to PVC Coupling



Adapter to use LW Blower Duct Seals

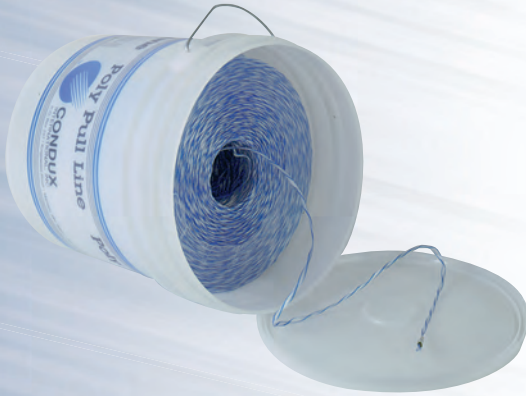
Part No.	Description
08201120	Duct Seals



POLY LINE PAIL/ MEASURING & PULL TAPE

CONDEX

FISHING &
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Poly Line Pail

Line attaches to the back of a foam carrier, inflatable carrier, or line carrier and is used to pull back a rope. Packaged in a weather-proof, reusable plastic bucket with lid.

Part Number	Break Strength		Length	
	(lbs)	(N)	(ft)	(m)
08561285*	200	890	6,500	1,981
08561297*	450	2,002	2,500	762

*Pallet quantities of 48 available.

Poly Line Replacement String

Replacement string refills.

Part Number	Break Strength		Length	
	(lbs)	(N)	(ft)	(m)
08561284*	200	890	6,500	1,981
08561299*	450	2,002	2,500	762

*Pallet quantities of 80 available.



Conduit Measuring & Pull Tape, Polyester

For pulling fiber optic or coaxial cable through innerduct or for determining exact wall-to-wall measurements in duct runs. Other strengths and lengths are available.

Polyester Tape, Unidirectional*

Used for determining exact wall-to-wall measurements in duct runs or as a low cost blow string.

Part Number	Break Strength		Approx Width		Length	
	(lbs)	(N)	(in)	(mm)	(ft)	(m)
08073900	130	578	3/16	5	3,000	914

*Pallet quantities of 48 available.



Polyester Woven Pre-Lubed Tape

Recommended pulling tape for fiber optic and coaxial cable pulling. Pre-lubricated tape provides a low coefficient of friction for easier cable pulling. Flat design distributes the side-wall load and reduces duct burn-through. Marked with accurate sequential footage markings.

Part Number	Break Strength		Approx Width		Length	
	(lbs)	(N)	(in)	(mm)	(ft)	(m)
08096203	400	1,779	1/4	6	3,000	915
08096503	600	2,669	3/8	10	3,000	915
08096803	900	4,003	1/2	13	3,000	915
08075003	1,250	5,560	1/2	13	3,000	915
08075103	1,800	8,006	3/8	16	3,000	915
08096303	2,500	11,120	3/4	19	3,000	915

Detectable Polyester Woven Pre-Lubed Tape, 22 Gauge Wire

Provides a proven, reliable means of cable or conduit locating. Pre-lubricated tape provides a low coefficient of friction for easier cable pulling. Flat design distributes the side-wall load and reduces duct burn-through. Marked with accurate sequential footage markings.

Part Number	Break Strength		Width		Length	
	(lbs)	(N)	(in)	(mm)	(ft)	(m)
08098203	1,250	5,560	1/2	13	3,000	915
08098303	1,800	8,007	3/8	16	3,000	915
08098403	2,500	11,121	3/4	19	3,000	915

Double-Braided Cable Pulling Rope

Premium quality rope recommended for cable pulling. Complete with spliced eye on each end. Double-braided construction offers high working loads and tensile strength without kinking. Other sizes available. Contact factory for additional rope specifications.



FISHING & RODDING



Part Number	Dia.		Length		Standard Tensile		Recommended Working Load 5:1	
	(in)	(mm)	(ft)	(m)	(lbs)	(N)	(lbs)	(N)
08091003	0.50	13	300	91	10,400	46,262	1,760	7,829
08091006	0.50	13	600	183	10,400	46,262	1,760	7,829
08091012	0.50	13	1,200	366	10,400	46,262	1,760	7,829
08090903	0.63	16	300	91	16,300	72,506	2,780	12,366
08090906	0.63	16	600	183	16,300	72,506	2,780	12,366
08090912	0.63	16	1,200	366	16,300	72,506	2,780	12,366
08091103	0.88	22	300	91	29,900	133,002	5,080	22,597
08091106	0.88	22	600	183	29,900	133,002	5,080	22,597
08091112	0.88	22	1,200	366	29,900	133,002	5,080	22,597

Pulling Tape

A flat woven replacement to 1/4" Polypropylene rope that provides a lower coefficient of friction due to its flat woven design. Drastically reduces the chance of burn through that is associated with ropes, and has an elongation of less than 10% compared to Polypropylene rope which is 25%+. Not available printed. Other lengths available.



Part Number	Break Strength		Approx. Width		Length	
	(lbs)	(N)	(in)	(mm)	(ft)	(m)
08099703	1,130	5,026	1/2	13	3,000	914

Measuring Tape Stands

Measuring Tape Stands give you a convenient and stable method for holding and dispensing measuring tape. These lightweight stands are portable, durable and help keep tape from twisting during installation. Available in 5 models, all featuring tubular steel frames.

Single Spool Tape Stand 18120100

Support one spool of measuring tape.



Single Spool Tape Stand

Single Spool Tape Stand 18120125

Support one spool of measuring tape.

Collapsible Tape Stand 18120200

Collapsible frame has foam floor protectors on bottom. Folds to just 4" (101 mm) wide. Supports one reel.



Collapsible Tape Stand

Tape Stand 18120225

Collapsible frame, Folds to just 4" (101 mm) wide. Supports one reel.

Heavy-duty Tape Stand 18120300

Large capacity stand has 6" (152 mm) wheels and upright support bar. Supports one reel.

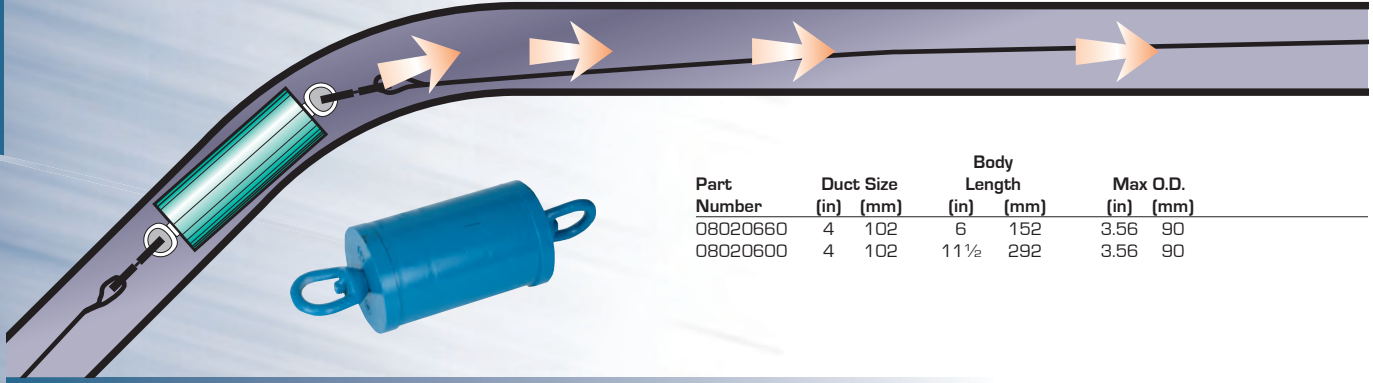


Heavy-duty Tape Stand

Part Number	Description	Maximum Reel Diameter		Maximum Reel Width		Gross Load Capacity	
		(in)	(mm)	(in)	(mm)	(lb)	(kg)
18120100	Single Spool Tape Stand	18	457	15	381	100	45
18120125	Single Spool Tape Stand	24	609	24	609	100	45
18120200	Collapsible Tape Stand	18	457	15	381	100	45
18120225	Collapsible Tape Stand	24	609	24	609	100	45
18120300	Heavy-duty Tape Stand	26	660	15	381	200	91

Wood Test Mandrels

Pull through duct to prove joint integrity and test for out-of-round duct. 2,240 lbs. [9,964 N] load capacity. Wood body with steel end caps and pulling eyes.



Part Number	Duct Size		Body Length		Max O.D.	
	(in)	(mm)	(in)	(mm)	(in)	(mm)
08020660	4	102	6	152	3.56	90
08020600	4	102	11 ½	292	3.56	90

Aluminum Test Mandrels

Pull through duct to prove joint integrity and test for out-of-round duct.



Part Number	Duct Size		Body Length		Max O.D.		Load Capacity	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lbs)	(N)
08059515	1 ½	38	1.74	44	1.18	30	2,200	9,786
08059520	2	51	2.40	61	1.62	41	2,200	9,786
08059525	2 ½	64	2.98	76	2.00	51	2,200	9,786
08059530	3	76	3.50	89	2.37	61	2,200	9,786
08059535	3 ½	89	4.10	104	2.75	70	4,500	20,016
08059540	4	102	4.84	123	3.25	83	4,500	20,016
08059550	5	127	5.98	152	4.00	102	4,500	20,016
08059560	6	152	7.08	180	4.75	121	4,500	20,016
08059580	8	203	9.44	240	6.375	162	4,500	20,016

Aluminum Test Slugs

Pull through duct to prove joint integrity and test for out-of-round duct.



Part Number	Duct Size		Body Length		Max O.D.		Load Capacity	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lbs)	(N)
08059005	1	25	1.71	43	0.860	22	2,200	9,786
08059015	1 ¼	32	2.17	55	1.086	28	2,200	9,786
08059025	1 ½	38	2.49	63	1.243	32	2,200	9,786

Rubber Duct Swab

Ideal for cleaning and assisting in the spreading of lubricant throughout the duct. 7,000 lbs. [31,136 N] load capacity.



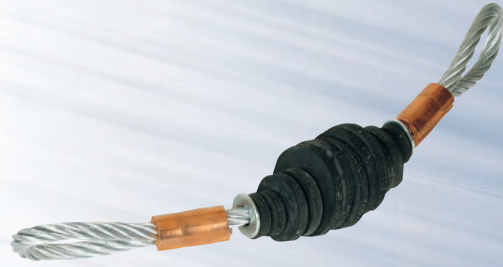
Part Number	Duct Size		Body Length		Max O.D.	
	(in)	(mm)	(in)	(mm)	(in)	(mm)
08028820*	2	51	10	254	2.00	51
08028830	3	76	10	254	3.00	76
08028700	3 ½	89	10	254	3.50	89
08028800	4	102	10	254	4.00	102
08058700	5	127	10	254	5.00	127
08058800	6	152	10	254	6.00	152
08022880	8	203	10	254	8.00	203

*4,500 lbs. [20,016 N] load capacity.

Short Rubber Slug

For proving duct integrity and for spreading cable pulling lubricant especially in tight-radius bends. 4,500 lbs. (20,016 N) load capacity.

Part Number	Duct Size		Body Length		Max O.D.	
	(in)	(mm)	(in)	(mm)	(in)	(mm)
08082020	2	51	3.25	83	2.00	51
08082025	2½	64	3.25	83	2.50	64
08082030	3	76	3.25	83	3.00	76
08082035	3½	89	3.25	83	3.50	89
08082040	4	102	3.25	83	4.00	102
08082050	5	127	3.25	83	5.00	127
08082060	6	154	3.25	83	6.00	154
08082080	8	203	3.25	83	8.00	203



Wire Brush Mandrel

Flat steel bristles with a pulling eye on one end and a loop on the other end. Easily removes sand, grit and other light obstructions from the duct. 800 lbs. (3,558 N) load capacity.

Part Number	Duct Size		Body Length		Overall Length		Max O.D.	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
08028904	1¼	32	4.25	108	7.50	191	1.00	25
08028905	1½	38	4.25	108	7.50	191	1.25	32
08028900	2	51	4.25	108	9.16	232	1.75	44
08046000	2½	64	4.25	108	9.16	232	2.25	57
08067100	3	76	5.50	140	9.16	232	2.75	70
08067200	3½	89	5.00	127	9.16	232	3.25	82
08029000	4	102	6.75	171	9.16	232	3.75	95
08029100	5	127	6.50	165	9.16	232	4.75	121
08068100	6	152	6.75	171	9.16	232	5.75	146
08029080	8	203	4.75	121	9.73	247	7.75	197



Heavy Duty Wire Brush Mandrels

Heavy-duty steel bristles with pulling eyes on each end. For removing obstructions from the duct.

Part Number	Duct Size		Body Length		Max O.D.		Load	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lbs)	(N)
08900546	2	51	3.5	89	1.75	44	1,240	5,516
08900547	2½	64	4.25	108	2.25	57	1,240	5,516
08900548	3	76	5.25	133	2.75	70	1,240	5,516
08900549	3½	89	5.25	133	3.25	82	2,240	9,964
08900550	4	102	5.25	133	3.75	95	2,240	9,964
08900551	5	127	5.00	123	4.75	121	2,240	9,964
08900552	6	152	5.00	123	5.75	146	2,240	9,964
08900553	8	203	5.00	123	7.75	196	2,240	9,964



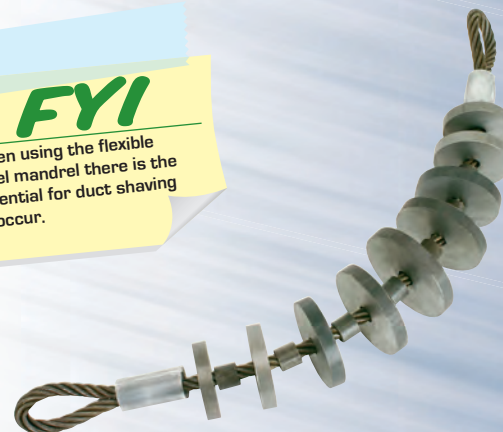
Flexible Steel Mandrel

Steel discs in graduated sizes make this mandrel ideal for removing obstructions in duct with extreme bends. 7,000 lbs. (31,136 N) load capacity.

Part Number	Duct Size		Body Length		Max O.D.	
	(in)	(mm)	(in)	(mm)	(in)	(mm)
08021700	*2	51	7.31	186	1.75	44
08021925	2½	64	11.25	286	2.25	57
08021800	3	76	11.25	286	2.75	70
08049400	3½	89	11.25	286	3.25	83
08067400	4 Sch 80	97	11.25	286	3.50	89
08021900	4	102	11.25	286	3.75	95
08067500	5 Sch 80	114	11.25	286	4.25	108
08058900	5	127	11.25	286	4.75	121
08067600	6 Sch 80	146	11.25	286	5.50	140
08059000	6	152	11.25	286	5.75	146
08079500	8	203	11.25	286	7.75	197

*2,000 lbs. (8,896 N) load capacity.

FYI
When using the flexible steel mandrel there is the potential for duct shaving to occur.





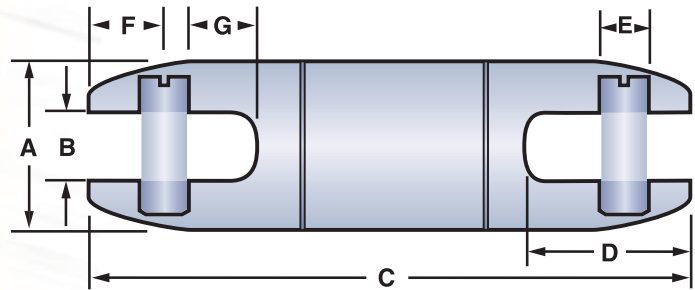
808 Champion Swivels

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 below).

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.

Not Designed for Directional Drilling.



Part Number	Working Load		**Aerial		A		B		C		D		E		F		G	
	*Underground (lbs.)	(N)	(lbs.)	(N)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
08017000	600	2,669	360	1,601	5/8	16	.28	7	3.56	90	.79	20	.25	6	.37	9	.295	7
08016000	2,500	11,120	1,500	6,672	7/8	22	.38	10	4.51	115	1.06	27	.31	8	.53	13	.375	10
08016000H***	2,500	11,120	1,500	6,672	7/8	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 3/8	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 3/8	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 1/2	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 1/2	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.

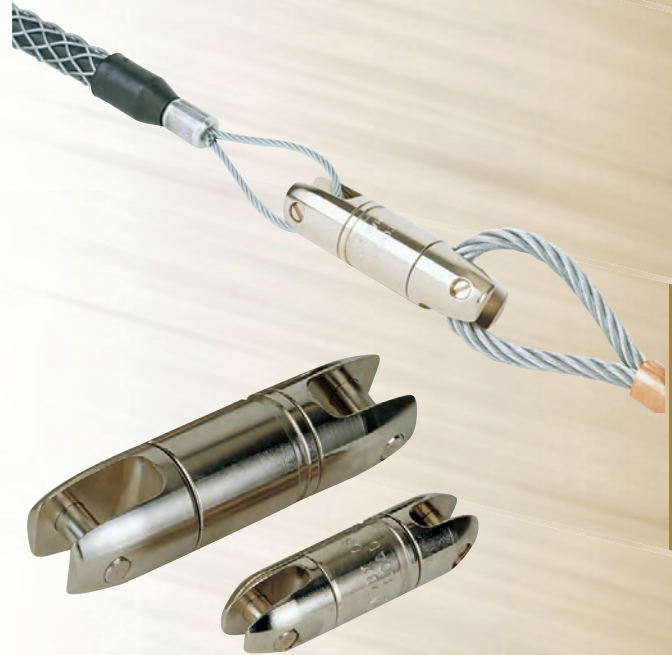
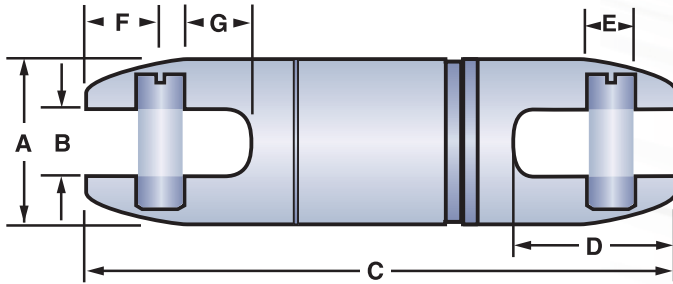


Replacement Clevis Pins for 808 Champion Swivels

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		

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 below).



SWIVELS &
ACCESSORIES

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

NOTE: Swivels are not designed to run around bullwheels.

Part Number	Working Load		* ** Aerial		A		B		C		D		E		F		G	
	(lbs.)	(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 1/16	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	1 7/8	48	.75	19	7.06	179	1.88	48	.63	16	.81	21	0.755	19

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

Replacement Clevis Pins for 821 Champion Swivels

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



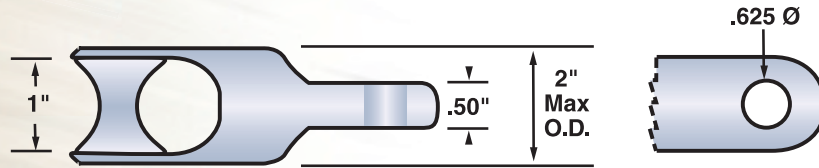
Rope to Swivel Clevis

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 5/8" & 2" 808 Champion Swivels. Precision machined stainless steel.

Part Number	Size		Max O.D.		Load Rating	
	(in)	(mm)	(in)	(mm)	(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 53)	Pulling Harnesses	
		Standard Head Reusable Power Pulling Eyes Cable Size (Page 75)	Fixed Head Innerduct Pulling Eyes Part Number (Page 72)		Separate Leg Ends (Page 53)	Large Front Link Size Part Number (Page 53)
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)

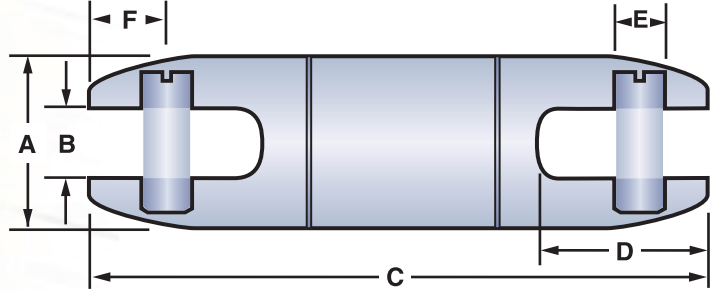
SWIVELS & ACCESSORIES



U. S. Patent No. 4,687,365.

Break-Away Swivel

Essential for fiber optic and coaxial cable pulling, these swivels have a break load ranging from 150–1,800 pounds (667–8,006 N) and are designed to separate at $\pm 10\%$ of their rated break load. If the load rating is exceeded, the interior break pin fractures, the swivel separates, and the cable remains undamaged. Break pin is easily replaceable (see ordering information, next page).



Break-Away Swivel Dimensions

A		B		C		D		E		F	
(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
5/8	16	.28	7	3.56	90	.79	20	.25	6	.37	9
7/8	22	.38	10	4.51	115	1.06	27	.31	8	.53	13

5/8" Swivel (16 mm)

Part Number	Break Load	
	(lbs)	(N)
08017300	200	890
08017400	250	1,112
08017800	300	1,334
08016900	450	2,002
08017200	600	2,669
08017500	650	2,891
08017900	750	3,336

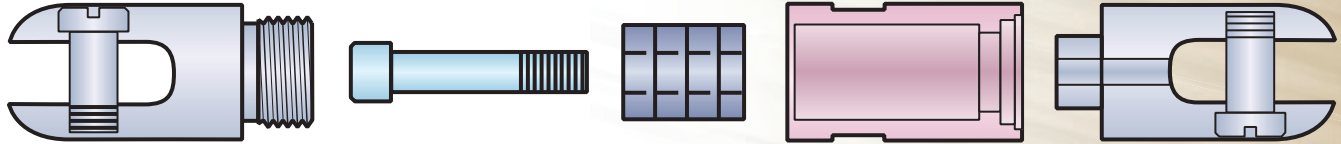
7/8" Swivel (22 mm)

Part Number	Break Load	
	(lbs)	(N)
08018100	150	667
08018300	200	890
08018000	250	1,112
08017600	300	1,334
08018400	350	1,557
08075300	400	1,779
08015800	450	2,002
08076500	500	2,224
08018500	550	2,446
08015000	600	2,669
08018600	650	2,891
08076000	700	3,114
08075500	750	3,336
08018700	800	3,558
08018800	850	3,781
08076600	900	4,003
08015700	1,000	4,448
08018900	1,100	4,893
08015200	1,200	5,338
08019100	1,300	5,782
08074600	1,400	6,227
08076900	1,500	6,672
08019200	1,600	7,117
08019300	1,700	7,562
08017700	1,800	8,006

NOTE: Swivels are not designed to run around bullwheels.

Replacement Pins

Break pins for Condux Break-Away Swivels are easy to order and ready to ship.



**Externally
Threaded Head**

Break Pin

Bearings

Body

**Internally
Threaded Head**

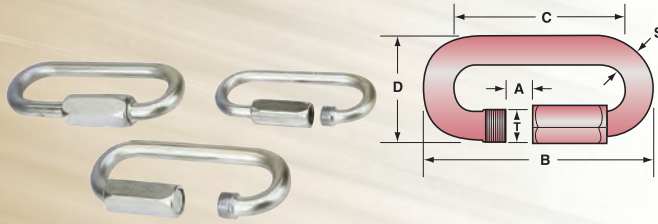
SWIVELS &
ACCESSORIES

Replacement Pins for 5/8" (16 mm) Swivel

Part Number	Break Load		Color
	(lbs)	(N)	
08017305	200	890	Green/Black
08017405	250	1,112	Blue/White
08017805	300	1,334	Blue/Violet
08016905	450	2,002	Blue/Yellow
08017205	600	2,669	Orange/Black
08017505	650	2,891	Brown/White
08017905	750	3,336	Orange/Violet

Replacement Pins for 7/8" (22 mm) Swivel

Part Number	Break Load		Color
	(lbs)	(N)	
08018105	150	667	Slate/Violet
08018305	200	890	Green/Orange
08018005	250	1,112	Blue/White
08017605	300	1,334	Brown/Red
08018405	350	1,557	Black/Green
08075305	400	1,779	Blue/Black
08015805	450	2,002	Blue/Yellow
08076505	500	2,224	Orange/Red
08018505	550	2,446	Blue/Green
08015005	600	2,669	Orange/Black
08018605	650	2,891	Slate/Green
08076005	700	3,114	Orange/White
08075505	750	3,336	Orange/Violet
08018705	800	3,781	Red/Yellow
08018805	850	3,781	Black/Yellow
08076605	900	4,003	Orange/Yellow
08015705	1,000	4,448	Green/White
08018905	1,100	4,893	White/Yellow
08015205	1,200	5,338	Brown/White
08019105	1,300	5,782	Brown/Yellow
08074605	1,400	6,227	Green/Red
08076905	1,500	6,672	Green/Yellow
08019205	1,600	7,117	Black/White
08019305	1,700	7,562	Red/White
08017705	1,800	8,006	Brown/Black



Threaded Chain Connectors

Offer a quick and easy way to connect pulling eyes or swivels to winch lines, harnesses or rope. To close, simply screw the nut onto the threaded end. Connectors are reusable.

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

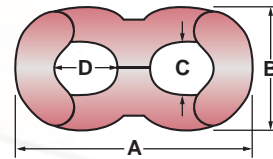
Part Number	Work Load Limit		Stock Diameter S		Threaded Shaft T		A		B		C		D	
	(lbs)	(N)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
08581212	200	890	0.125	3.2	0.20	5	0.375	9.5	1.813	46.0	1.563	40	0.79	20
08581218	550	2,446	0.188	4.8	0.27	7	0.500	12.7	2.438	61.9	2.063	52	1.06	27
08581225	770	3,425	0.250	6.4	0.35	9	0.563	14.3	2.750	69.9	2.313	59	1.17	30
08581231	1,430	6,361	0.313	7.9	0.43	11	0.688	17.5	3.438	87.3	2.813	71	1.57	40
08581237	1,760	7,828	0.375	9.5	0.47	12	0.750	19.1	3.750	95.3	3.000	76	1.68	43
08581250	2,755	12,254	0.500	12.7	0.60	15	0.938	23.8	4.875	123.8	3.938	100	2.16	55
08581256	4,410	19,616	0.563	14.3	0.67	17	1.063	27.0	5.563	141.3	4.500	114	2.39	61
08581262	5,510	24,508	0.625	15.9	0.74	19	1.125	28.6	6.313	160.3	5.063	129	2.73	69
08581268	6,615	29,424	0.688	17.5	0.86	22	1.250	31.8	6.938	176.2	5.500	140	3.04	77
08581278	7,935	35,295	0.781	19.8	0.93	24	1.375	34.9	7.813	198.4	6.250	159	3.33	85

Threaded Chain Connector Compatibility Chart

Chain Connector Part Number	Size in (mm)	Pulling Eye Size Range		Eye to Eye Connectors Size	Pulling Harnesses	
		Standard Head Reusable Power Pulling Eyes Cable Size	Fixed Head Innerduct Pulling Eyes Duct I.D. in (mm)		Separate Leg Ends	Large Front Link
08581212	1/8 (3)	1/0-4/0 AWG		---	---	1/8, 1/4
08581218	3/16 (5)	1/0-4/0 AWG, 700, 750 kcmil		All	3/8	1/8, 1/4, 3/8
08581225	1/4 (6)	1/0-4/0 AWG, 350, 700, 750 kcmil		All	3/8, 1/2	1/8, 1/4, 3/8
08581231	5/16 (8)	All		All	All Cable	1/8, 3 x 1/4, 2 x 1/2, Chain
08581237	3/8 (10)	All		All	All Cable	1/8, 1/4, 3 & 4 x 3/8, 2 x 1/2, Chain
08581250	1/2 (13)	250-2,500 kcmil		---	All	All
08581256	9/16 (14)	350, 500, 1,000-2,500 kcmil		---	All	All
08581262	5/8 (16)	350, 500, 1,000-2,500 kcmil		---	All	All
08581268	11/16 (17)	1,000-2,500 kcmil		---	All	All
08581278	7/8 (22)	1,000-2,500 kcmil		---	All	All

Figure 8 Swing Link

For quick connections to winch line or pulling harnesses.



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

Part Number	Size		Working Load		A Length		B Width		C Eye ID		D Eye ID	
	(in)	(mm)	(lbs)	(N)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
08580825	1/4	6	540	2,402	1.94	49	.94	24	.38	10	.50	13
08580837	3/8	10	900	4,003	2.90	74	1.31	33	.50	13	.63	16
08580850	1/2	13	1,620	7,206	3.25	83	1.63	41	.69	18	.75	19
08580875	3/4	19	3,600	16,013	5.00	127	2.50	64	.94	24	1.13	29
08580899	1	25	8,100	36,029	6.50	165	3.25	83	1.25	32	1.50	38

Swing Link Compatibility Chart

Swing Link Part Number	Size in (mm)	Pulling Eye Size Range Standard Head Reusable Power Pulling Eyes Cable Size	Fixed Head Innerduct Pulling Eyes Duct I.D. in (mm)	Eye to Eye Connectors Size	Pulling Harnesses	
					Separate Leg Ends	Large Front Link
08580825	1/4 (6)	---	---	---	1/8, 1/4	---
08580837	3/8 (10)	500, 700, 750 kcmil	---	3/8	1/8, 1/4, 3/8, Chain	---
08580850	1/2 (13)	350, 500, 1,000-2,500 kcmil	---	3/8, 1/2	All Cable	2 x 1/2
08580875	3/4 (19)	1,000-2,500 kcmil	---	All	All Cable	1/8, 1/4, 3/8, 2 x 1/2, Chain
08580899	1 (25)	---	---	1/2, 5/8	All Cable	All

Multiple Pulling Harness

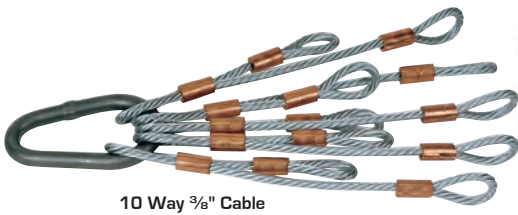
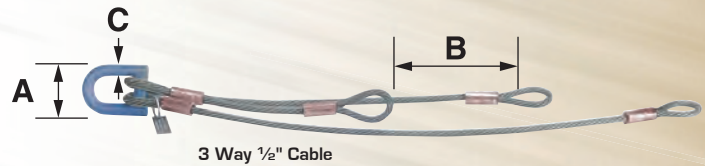
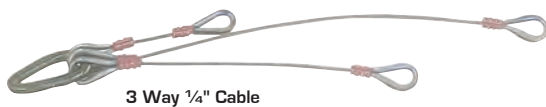
Allows staggered attachment to cable or innerduct when pulling through conduit systems or during directional drilling pull-back operations. **Other harness combinations available upon request. Contact factory for details.**

FYI
Other multiple pulling harness combinations available upon request. Contact factory for details.

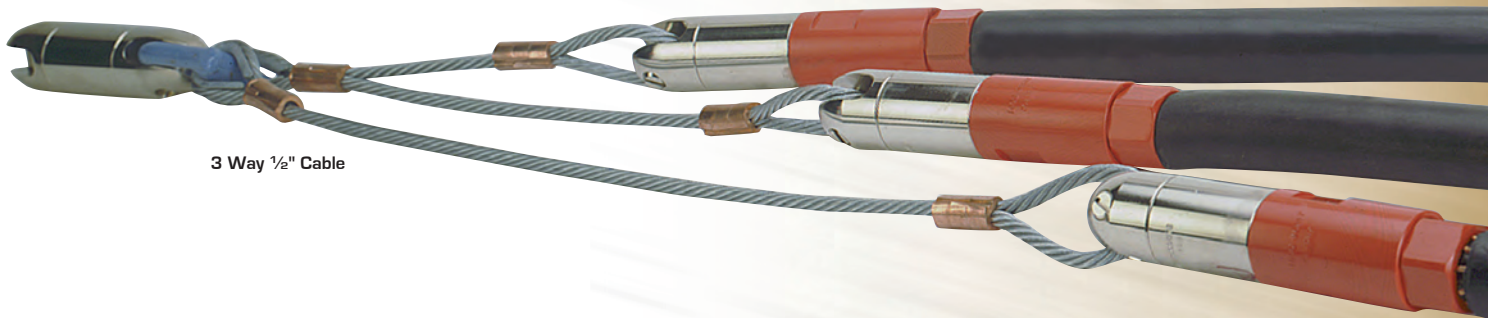
Part Number	Description	Working Load Per Leg		Working Load Combined		Max. Width A		Separation Between Legs B		Lead Ring Dia. C	
		(lbs)	(N)	(lbs)	(N)	(in)	(mm)	(in)	(mm)	(in)	(mm)
08549200	3 Way 1/8" (3 mm) Cable	550	2,446	1,600	7,117	2.25	57	14	356	.37	10
08549230	3 Way 1/4" (6 mm) Cable	2,300	10,230	2,900	12,899	2.00	51	14	356	.37	13
08549325	4 Way 1/4" (6 mm) Cable	2,300	10,230	4,200	18,682	2.00	51	14	356	.37	10
08569910	5 Way 1/4" (6 mm) Cable	2,300	10,230	4,200	18,682	2.00	51	14	356	.37	10
08549326	6 Way 1/4" (6 mm) Cable	2,300	10,230	4,200	18,682	2.00	51	14	356	.37	10
08549333	3 Way 3/8" (10 mm) Cable	4,800	21,351	9,000	40,032	2.63	67	10	254	.62	16
08549329	4 Way 3/8" (10 mm) Cable	4,800	21,351	9,000	40,032	2.63	67	10	254	.62	16
08549330	10 Way 3/8" (10 mm) Cable	4,800	21,351	6,000	26,689	4.50	114	6	152	.75	19
08549334	12 Way 3/8" (10 mm) Cable	4,800	21,351	6,000	26,689	4.50	114	6	152	.75	19
08549342	16 Way 3/8" (10 mm) Cable	4,800	21,351	6,000	26,689	4.50	114	6	152	1.00	25
08549331	2 Way 1/2" (13 mm) Cable	7,000	31,136	10,000	44,480	2.50	64	12	305	.50	13
08549332	3 Way 1/2" (13 mm) Cable	7,000	31,136	15,000	66,720	3.75	95	12	305	.87	22
08549340	4 Way 1/2" (13 mm) Cable	7,000	31,136	15,000	66,720	3.75	95	12	305	.87	22

NOTE: 10 & 12 Way 3/8" (10 mm) harnesses only have a single stagger. All other harnesses are sequentially staggered.

SWIVELS & ACCESSORIES



FYI
See swivel compatibility chart on page 49 to match up your multiple pulling harness with your swivels.



Eye to Eye Connectors

Light duty winch line pulling connector drop forged from C-1035 steel. Hot dip galvanized.

Part Number	Size		Working Load	
	(in)	(mm)	(lbs)	(N)
08050300	3/8	10	2,200	9,786
08050500	1/2	13	3,600	16,013
08050501	3/4	16	5,200	23,130



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



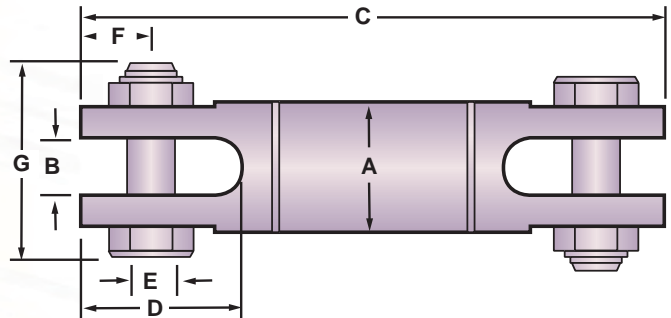
U.S. Patent No. 5,607,248.

819 D.Drill® Directional Drilling Swivels

Designed specifically for directional drilling, the Condux 819 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. Clevis pins with hex nuts allow for installation and removal from either side of the swivel. There is a 90 day warranty on the directional drill swivels.

CAUTION: To be used for directional drilling only.

CAUTION: Condux requires the use of a calcium based lubricant only. Other lubricants may have adverse reactions when exposed to bentonite products. Condux requires that the swivels be flushed with grease after each use to purge any contaminants that may have penetrated past the seals into the swivel while boring. See page 56 for calcium based lubricants.



Part Number	Working Load				A		B		C		D		E		F		G	
	Tension (lbs)	Tension (N)	Compression (lbs)	Compression (N)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
08190016	8,500	37,808	2,800	12,454	1 ⁵ / ₈	41	.63	16	6.85	174	1.59	40	.56	14	.78	20	2.36	60
08190020	10,000	44,480	3,300	14,678	2	51	.75	19	7.83	199	1.81	46	.63	16	.75	19	2.89	73
08190025	20,000	88,960	6,600	29,357	2 ¹ / ₂	64	1.00	25	10.93	278	2.84	72	.88	22	1.25	32	3.67	93
08190030	30,000	133,440	10,000	44,480	3	76	1.31	33	12.75	324	3.56	90	1.13	29	1.37	36	4.50	114
08190040	45,000	200,160	15,000	66,720	4	102	1.63	41	15.25	387	4.00	102	1.25	32	1.84	47	5.58	142
08190045	60,000	266,880	20,000	88,960	4 ³ / ₈	117	1.75	44	17.48	444	4.62	117	1.50	38	2.13	54	6.31	160
08190060	90,000	400,320	30,000	133,440	6	152	2.00	51	18.27	464	4.50	114	1.75	44	2.18	56	6.59	167
08190080	120,000	533,760	40,000	177,920	8	203	2.25	57	21.71	552	5.25	133	2.00	51	2.50	64	8.25	210

819 D.Drill® Replacement Parts



Swivel Size	Clevis Pin	Locking Nut
1 5/8 (41 mm)	08190104	02250500
2 (51 mm)	08190114	02250600
2 1/2 (64 mm)	08190124	02250700
3 (76 mm)	08190134	02250800
4 (102 mm)	08190154	02263000
4 5/8 (117 mm)	08190144	02250900
6 (152 mm)	08190164	02251000
8 (203 mm)	08190167	02279000

400 D.Drill® Directional Drilling Swivels

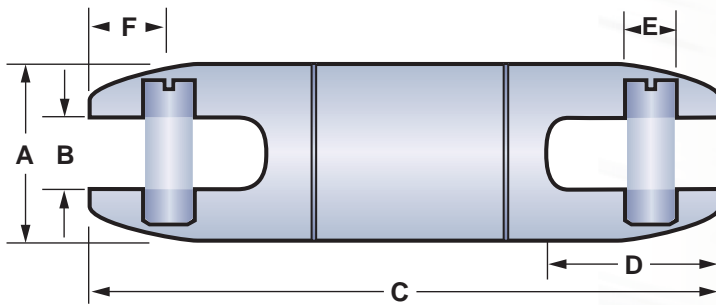
Designed specifically for directional drilling, the Condux 400 D.Drill Swivels prevent boring equipments' rotational torque from interfering with the product (cable or conduit) being pulled. The D.Drill Swivels are greasable and double sealed to keep contaminants out. There is a 90 day warranty on the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

CAUTION: To be used for directional drilling and underground cable installation only.

CAUTION: Condux requires the use of a calcium based lubricant only. Other lubricants may have adverse reactions when exposed to bentonite products. Condux requires that the swivels be flushed with grease after each use to purge any contaminants that may have penetrated past the seals into the swivel while boring.



SWIVELS &
ACCESSORIES



Part Number	Working Load		Tension		Compression		A		B		C		D		E		F	
	(lbs)	(N)	(lbs)	(N)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)		
08190408	1,800	6,588	595	2,177	7/8	22	.38	9	4.83	122	1.03	26	.31	8	.53	13		
08190412	4,000	14,641	1,300	4,758	1 1/4	32	.56	14	6.57	166	1.34	34	.37	9	.59	15		
08190416	8,500	37,808	2,800	12,454	1 5/8	41	.63	16	7.22	183	1.59	40	.56	14	.78	19		
08190420	10,000	44,480	3,300	14,678	2	51	.75	19	8.29	210	1.77	45	.63	16	.71	18		
08190425	20,000	88,960	6,600	29,357	2 1/2	64	1.00	25	11.44	290	2.79	71	.88	22	1.23	31		
08190430	30,000	133,440	10,000	44,480	3	76	1.31	33	13.27	337	3.56	90	1.13	28	1.37	34		

400 D.Drill Replacement Parts

Part Number	Clevis Pin
08190408	08081065
08190412	08081042
08190416	21000381
08190420	21000391
08190425	21000401
08190430	08190539





Directional Drilling Grease

Specially formulated for use in a bentonite clay environment. This is an extreme pressure multiservice lubricant designed to give outstanding performance in directional drilling/boring applications. Manufactured from the highest quality petroleum oil and thickened with a unique calcium complex soap. This thickener resists breakdown caused by bentonite, which is common with lithium based lubricants. Packaged in cartridges to fit a standard grease gun.

Part Number	Description
08190007	Directional Drilling Grease (1 Cartridge)

D.Drill Swivels & PE & PVC Pulling Eye Compatibilty Chart

Swivel		PE & PVC Pulling Eye	
Part Number	Size in (mm)	Part Number	Size In (mm)
08190016	1 5/8 (41)	08220600 - 08220603	1 1/4 (32), 1 1/2 (38), 2 1/4 (57), 2 1/2 (63), 3 (76)
08190020	2 (51)	08220600 - 08220603	1 1/4 (32), 1 1/2 (38), 2 1/4 (57), 2 1/2 (63), 3 (76)
08190025	2 1/2 (64)	08220609 - 08220608	2 1/2 (63), 3 (76), 4 (102), 5 (127), 6 (152), 7 (178), 8 (203)
08190030	3 (76)	-	-
08190040	4 (102)	08220604 - 08220606	4 (102), 5 (127), 6 (152)
08190045	4 5/8 (117)	08220604 - 08220606	4 (102), 5 (127), 6 (152)
08190060	6 (152)	-	-
08190080	8 (203)	-	-



Break-Away Swivels for Directional Drilling

Avoid overstressing cable or conduit being pulled in during directional drilling operations. The Condux Break-Away Swivels for directional drilling are designed exclusively to provide **both** the swivel and the break link for product pull-back. Eliminate the use of two or more components and shorten the gap between the reamer and pulling eye. No need to use "weak link" pipe sections or wire when using the Condux Break-Away Swivel.

Six different diameter swivels are available to accommodate various pulling needs. Break loads range from 1,200 lbs. (5,338 N) to 25,000 lbs. (111,250 N) and are designed to separate at $\pm 10\%$ of their rated break load. Order Replacement Pins as needed.

NOTE: D.Drill Swivels come with a 90 day limited warranty.

***WARNING:** These swivels to be used while Directional Drilling only—Severe personal injury could result if used with rope or steel winch lines in cable pulling applications.

1 1/4" Swivel (32 mm)

Part Number	Break Load	
	(lbs)	(N)
08021500*	1,200	5,338
08019400*	1,900	8,451
08019500*	2,000	8,896
08019600*	2,500	11,120
08019700*	3,000	13,344
08076100*	3,400	15,123
08019800*	4,000	17,792

1 3/8" Swivel (35 mm)

Part Number	Break Load	
	(lbs)	(N)
08019900*	4,500	20,016
08021300*	5,000	22,240
08022100*	5,500	24,464
08024200*	6,000	26,688
08024400*	6,500	28,912

1 5/8" Swivel (41 mm)

Part Number	Break Load	
	(lbs)	(N)
08024500*	7,000	31,136
08025500*	7,500	33,360
08027900*	8,000	35,584
08028400*	8,500	37,808

2" Swivel (51 mm)

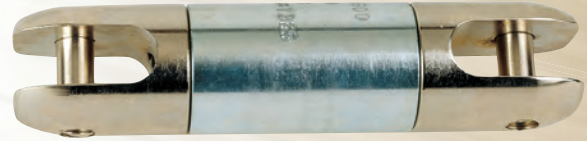
Part Number	Break Load	
	(lbs)	(N)
08029200*	9,000	40,032
08029400*	10,000	44,480

2 1/2" Swivel (64 mm)

Part Number	Break Load	
	(lbs)	(N)
08029600*	12,000	53,376
08029700*	14,000	62,272

3" Swivel (76 mm)

Part Number	Break Load	
	(lbs)	(N)
08075600*	18,500	82,288
08075800*	22,000	97,856
08075820*	25,000	111,250



Break-Away D.Drill® Swivel
1 1/4" - 1 3/8"

U.S. Patent No. 4,687,365.

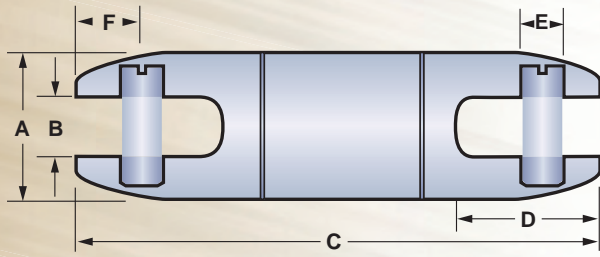
SWIVELS &
ACCESSORIES



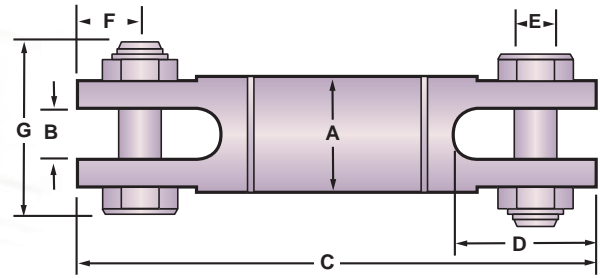
Break-Away D.Drill® Swivel
1 5/8" - 3"

U.S. Patent No. 4,687,365.

U.S. Patent No. 5,607,248.

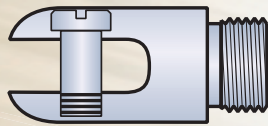


Use these dimensions when ordering the 1¼" [32 mm] and the 1⅝" [35 mm] swivels.



Use these dimensions when ordering the 1⅞" [41 mm], the 2" [51 mm], the 2½" [64 mm] and the 3" [76 mm] swivels.

	A		B		C		D		E		F		G	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
1¼	.32	8	.56	14	5.44	138	1.34	34	.37	9	.59	15	-	-
1⅝	.35	9	.56	14	5.25	133	1.31	33	.44	11	.56	14	-	-
1⅞	.41	10	.63	16	6.85	174	1.59	40	.56	14	.78	20	2.36	60
2	.51	13	.75	19	7.83	199	1.81	46	.63	16	.75	19	2.89	73
2½	.64	16	1.00	25	10.93	278	2.84	72	.88	22	1.25	32	3.67	93
3	.76	19	1.31	33	12.75	324	3.56	90	1.13	29	1.37	36	4.50	114



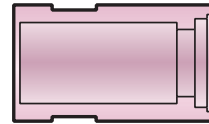
Externally Threaded Head



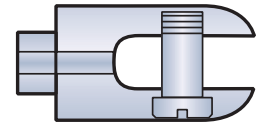
Break Pin



Bearings



Body



Internally Threaded Head

Replacement Pins For Break-Away Directional Drilling Swivels

Part Number	Break Load (lbs)	Break Load (N)	Break Pin Color Code
08021505	1,200	5,338	Brown/White
08019405	1,900	8,451	Violet/Black
08019505	2,000	8,896	Slate/White
08019605	2,500	11,120	Violet/Green
08019705	3,000	13,344	Slate/Red
08076105	3,400	15,123	Blue/Yellow
08019805	4,000	17,792	Red/Yellow
08019905	4,500	20,016	Slate/Yellow
08021305	5,000	22,240	Orange/Blue
08022105	5,500	24,464	Brown/Green
08024205	6,000	26,688	Blue/Brown
08024405	6,500	28,912	Red/Blue
08024505	7,000	31,136	Orange
08025505	7,500	33,360	Blue
08027905	8,000	35,584	Yellow
08028405	8,500	37,808	Slate
08029205	9,000	40,032	Red
08029405	10,000	44,480	Green
08029605	12,000	53,376	White
08029705	14,000	62,272	Brown
08029720	18,500	82,288	Black
08075805	22,000	97,856	Yellow
08075825	25,000	111,250	Blue
08075945	40,000	178,000	Orange

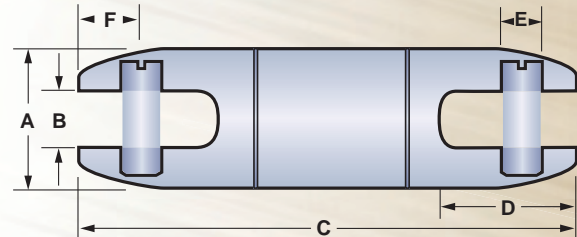
7/8" Break-Away Swivel for Directional Drilling

Avoid overstressing cable or conduit being pulled in during directional drilling operations. The Condux 7/8" Break-Away Swivel for directional drilling is designed exclusively to provide **both** the swivel and the break link for product pull-back. Eliminate the use of two or more components and shorten the gap between the reamer and pulling eye. No need to use "weak link" pipe sections or wire when using the 7/8" Condux Break-Away Swivel.

This swivel is available to accommodate various pulling needs. Break loads range from 150 lbs. (667 N) to 1,800 lbs. (8,006 N) and are designed to separate at $\pm 10\%$ of their rated break load. Order Replacement Pins as needed.

NOTE: D.Drill Swivels come with a 90 day limited warranty.

***WARNING:** This swivel is to be used while Directional Drilling only—Severe personal injury could result if used with rope or steel winch lines in cable pulling applications.



7/8" Break-Away Swivel Dimensions

A		B		C		D		E		F	
(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
7/8	22	.38	9	4.83	122	1.03	26	.31	8	.53	13

7/8" Swivel (22 mm)		
Part Number	Break Load	
	(lbs)	(N)
08021015	150	667
08021020	200	890
08021025	250	1,112
08021030	300	1,334
08021035	350	1,557
08021040	400	1,779
08021045	450	2,002
08021050	500	2,224
08021055	550	2,446
08021060	600	2,669
08021065	650	2,891
08021070	700	3,114
08021075	750	3,336
08021080	800	3,559
08021085	850	3,781
08021090	900	4,003
08021100	1,000	4,448
08021110	1,100	4,893
08021120	1,200	5,338
08021130	1,300	5,782
08021140	1,400	6,227
08021150	1,500	6,672
08021160	1,600	7,117
08021170	1,700	7,562
08021180	1,800	8,006

Replacement Pins for 7/8" swivel (22 mm) Swivel			
Part Number	Break Load		Color
	(lbs)	(N)	
08018105	150	667	Slate/Violet
08018305	200	890	Green/Orange
08018005	250	1,112	Blue/White
08017605	300	1,334	Brown/Red
08018405	350	1,557	Black/Green
08075305	400	1,779	Blue/Black
08015805	450	2,002	Blue/Yellow
08076505	500	2,224	Orange/Red
08018505	550	2,446	Blue/Green
08015005	600	2,669	Orange/Black
08018605	650	2,891	Slate/Green
08076005	700	3,114	Orange/White
08075505	750	3,336	Orange/Violet
08018705	800	3,559	Red/Yellow
08018805	850	3,781	Black/Yellow
08076605	900	4,003	Orange/Yellow
08015705	1,000	4,448	Green/White
08018905	1,100	4,893	White/Yellow
08015205	1,200	5,338	Brown/White
08019105	1,300	5,782	Brown/Yellow
08074605	1,400	6,227	Green/Red
08076905	1,500	6,672	Green/Yellow
08019205	1,600	7,117	Black/White
08019305	1,700	7,562	Red/White
08017705	1,800	8,006	Brown/Black

SWIVELS & ACCESSORIES

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.

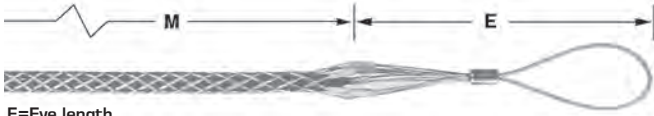


PULLING EYES
& ACCESSORIES

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	
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

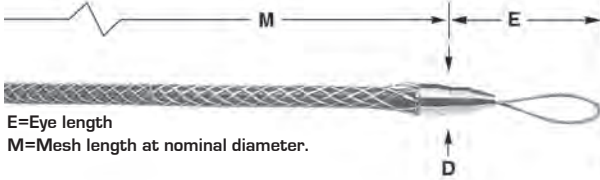


E=Eye length
M=Mesh length at nominal diameter.

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

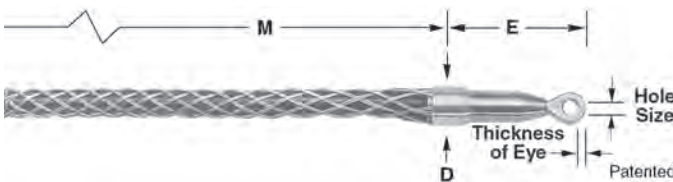


E=Eye length
M=Mesh length at nominal diameter.

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

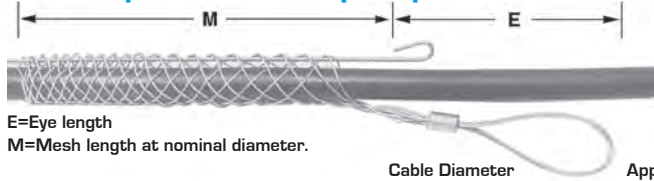
Fiber Optic Grip - Swivel Eye



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	Cable Diameter 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



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

PULLING EYES & ACCESSORIES

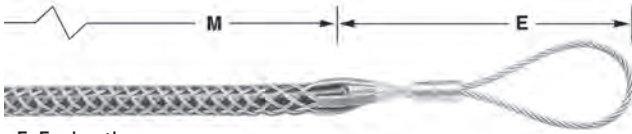


CONDEX

PULLING GRIPS



T-Type Grips - Short, Flexible Eye



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

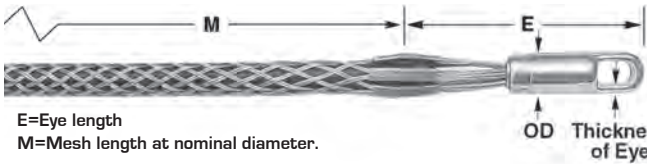
Flexible T-Type Pulling Grips are made of high strength galvanized steel strand. They feature double weave mesh for positive holding power in medium to heavy pulling jobs. The grip eye will easily attach to a swivel. They are used for the installation of underground power cables, communication lines 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.

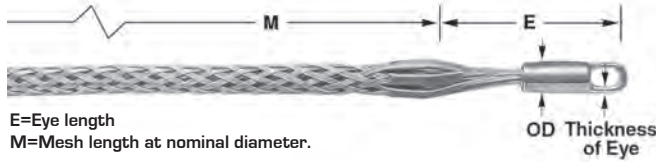
Part Number	Description	Cable Diameter Range		Approximate Breaking Strength		E		M		OD Rotate Eye		Thickness of Eye	
		(in)	(mm)	(lbs)	(N)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
08642022	033-01-001	.50-.61	13-15	5,600	24,909	5	127	11	279	7/8	22	.261	6
08642028	033-01-002	.62-.74	16-19	6,800	30,246	5	127	11	279	7/8	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	1 3/8	35	.518	13
08642043	033-01-016	1.25-1.49	32-38	12,800	56,934	7	178	21	533	1 3/8	35	.535	14
08642049	033-01-017	1.50-1.99	38-51	16,400	72,947	7	178	25	635	1 3/8	35	.525	13
08642055	033-01-018	2.00-2.49	51-63	27,200	120,986	8	203	26	660	1 5/8	41	.64	16
08642058	033-01-019	2.50-2.99	64-76	33,000	146,784	10	254	28	711	1 7/8	48	.683	17
08642061	033-01-020	3.00-3.49	76-89	41,000	182,368	10	254	30	762	1 7/8	48	.69	18
08642064	033-01-021	3.50-3.99	89-101	48,000	213,504	10	254	32	813	1 7/8	48	.69	18
08642067	033-01-1017	4.00-4.49	102-114	48,000	213,504	10	254	33	838	1 7/8	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	7/8	22	.277	7
08642128	033-01-012	.62-.74	16-19	6,800	30,246	5	127	16	406	7/8	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	1 3/8	35	.52	13
08642149	033-01-026	1.50-1.99	38-51	16,400	72,947	7	178	34	864	1 3/8	35	.537	14
08642155	033-01-027	2.00-2.49	51-63	27,200	120,986	9	229	36	914	1 5/8	41	.65	17
08642158	033-01-028	2.50-2.99	64-76	33,000	146,784	10	254	38	965	1 7/8	48	.68	17
08642161	033-01-029	3.00-3.49	76-89	41,000	182,368	10	254	39	991	1 7/8	48	.685	17
08642164	033-01-030	3.50-3.99	89-101	48,000	213,504	10	254	41	1,041	1 7/8	48	.67	17
08642167	033-01-031	4.00-4.49	102-114	48,000	213,504	10	254	42	1,067	1 7/8	48	.692	18
08642170	033-01-039	4.50-4.99	114-127	48,000	213,504	10	254	58	1,473	1 7/8	48	.68	17
08642173	033-01-047	5.00-5.99	127-152	48,000	213,504	10	254	60	1,524	1 7/8	48	.682	17
08642176	033-01-045	6.00-6.99	152-178	48,000	213,504	10	254	66	1,676	1 7/8	48	.69	18



Multiple Strength Grip - Rotating Eye*

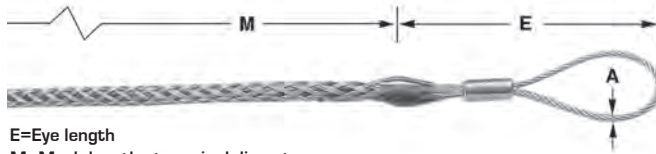


Multiple Strength Pulling Grips are designed for pulling ACSR, aluminum or copper bare conductor, ground wires, messenger strands, wire rope and insulated cables. They are ideal for overhead transmission and distribution line stringing where moderate loading is anticipated. They are economical tools used for attaching conductors to pulling lines and double socking for conductor-to-conductor connections.

Part Number	Description	Color	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)
08641813	033-02-016	Dark Green	.25-.49	6-12	6,800	30,246	5	127	26	660	7/8	22	.315	8
08641822	033-02-018	Brown	.50-.74	13-19	10,000	44,480	5	127	32	813	1	25	.524	13
08641831	033-02-020	Light Blue	.75-.99	19-25	14,400	64,051	6	152	41	1,041	1	25	.513	13
08641837	033-02-022	Gold	1.00-1.24	25-31	24,600	109,421	8	203	52	1,321	1 1/8	35	.532	14
08641843	033-02-024	Black	1.25-1.49	32-38	30,600	136,109	8	203	56	1,422	1 1/8	41	.667	17
08641849	033-02-026	Red	1.50-1.74	38-44	30,600	136,109	9	229	60	1,524	1 1/8	48	.71	18
08641852	033-02-028	Dark Blue	1.75-2.24	44-57	48,000	213,504	10	254	70	1,778	1 1/8	48	.653	17
08641855	033-02-066	Yellow	2.00-2.49	51-63	48,000	213,504	10	254	50	1,270	1 1/8	48	.704	18
08641858	033-02-097	Orange	2.50-2.99	64-76	48,000	213,504	10	254	52	1,321	1 1/8	48	.685	17
08641861	033-02-1030	Aluminum	3.00-3.49	76-89	48,000	213,504	10	254	54	1,372	1 1/8	48	.694	18
08641864	033-02-1031	Light Green	3.50-3.99	89-101	48,000	213,504	10	254	56	1,422	1 1/8	48	.697	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.

Multiple Strength Grip - Flexible Eye



Multiple Strength Pulling Grips are designed for pulling ACSR, aluminum or copper bare conductor, ground wires, messenger strands, wire rope and insulated cables. They are ideal for overhead transmission and distribution line stringing where moderate loading is anticipated. They are economical tools used for attaching conductors to pulling lines and double socking for conductor-to-conductor connections.

Part Number	Description	Color	Cable Diameter Range		Approximate Breaking Strength		E		M		Cable Dia. A	
			(in)	(mm)	(lbs)	(N)	(in)	(mm)	(in)	(mm)	(in)	(mm)
08641913	033-02-044	Dark Green	.25-.49	6-12	6,800	30,246	9	229	26	660	1/4	6
08641922	033-02-046	Brown	.50-.74	13-19	10,000	44,480	9	229	32	813	3/16	8
08641931	033-02-048	Light Blue	.75-.99	19-25	14,400	64,051	11	279	41	1,041	3/8	10
08641937	033-02-050	Gold	1.00-1.24	25-31	24,600	109,421	12	305	52	1,321	1/2	13
08641943	033-02-052	Black	1.25-1.49	32-38	30,600	136,109	12	305	56	1,422	1/2	13
08641949	033-02-054	Red	1.50-1.74	38-44	30,600	136,109	12	305	60	1,524	1/2	13
08641952	033-02-056	Dark Blue	1.75-2.24	44-57	48,000	213,504	18	457	70	1,778	5/8	16
08641955	033-02-1078	Yellow	2.00-2.49	51-63	48,000	213,504	18	457	50	1,270	5/8	16
08641958	033-02-1079	Orange	2.50-2.99	64-76	48,000	213,504	18	457	52	1,321	5/8	16
08641961	033-02-1080	Aluminum	3.00-3.49	76-89	48,000	213,504	18	457	54	1,372	5/8	16
08641964	033-02-1081	Light Green	3.50-3.99	89-101	48,000	213,504	18	457	56	1,422	5/8	16

PULLING EYES & ACCESSORIES

Dua-Pull® Grips **



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

Dua-Pull Pulling Grips are the highest strength pulling grips manufactured for overhead transmission line stringing applications. They are most commonly used for attaching pulling lines to conductors, conductors to running boards and double socking for conductor-to-conductor connections. They accommodate ACSR, ACAR, all aluminum and copper conductors, ground wires messenger strands and synthetic ropes not provided by any other grip.

Part Number	Description	Color	Conductor Dia. Range		Rope Dia. Range*		Approx. Breaking Strength		E		M		B	
			(in)	(mm)	(in)	(mm)	(lbs)	(N)	(in)	(mm)	(in)	(mm)	(in)	(mm)
08641710	033-27-1037	Black	.19-.37	5-9	.25-.65	6-17	6,500	28,912	10	254	24	610	.218	6
08641716	033-27-1038	Green	.38-.62	10-16	.50-.90	13-23	14,000	62,272	12	305	36	914	.375	10
08641728	033-27-1039	Red	.63-.87	16-22	.75-1.10	19-28	20,000	88,960	13	330	48	1,219	.437	11
08641734	033-27-1040	Blue	.88-1.12	22-28	1.00-1.50	25-38	30,600	136,109	15	381	60	1,524	.500	13
08641740	033-27-1041	Yellow	1.13-1.37	29-35	1.25-1.70	32-43	46,800	208,166	18	457	76	1,930	.625	16
08641746	033-27-1042	Aluminum	1.38-1.90	35-48	1.50-2.10	38-53	66,500	295,792	24	610	89	2,261	.750	19

*For rope, select smallest size grip which meets required work load.
** Dua-Pull is a registered trademark of Kellerns.

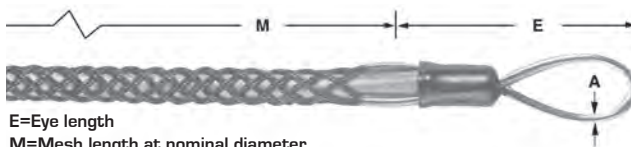
Dua-Pull Feed Tube



The Feed Tube is used when assembling synthetic rope into the Dua-Pull Grip. It is required on the two largest sizes of Dua-Pull Grips. Feed Tubes are available for use on all sizes of Dua-Pull Grips.

Part Number	Description	For Use With Dua-Pull Grip	Rope Diameter		Feed Tube Length	
			(in)	(mm)	(in)	(mm)
08641610	091-06-1043	08641710	.25-.65	6-17	28	711
08641616	091-06-1044	08641716	.50-.90	13-23	40	1,016
08641628	091-06-1045	08641728	.75-1.10	19-28	52	1,321
08641634	091-06-1046	08641734	1.00-1.50	25-38	67	1,702
08641640	091-06-1047	08641740	1.25-1.70	32-43	83	2,108
08641646	091-06-1048	08641746	1.50-2.10	38-53	96	2,438

Non-Conductive Grip



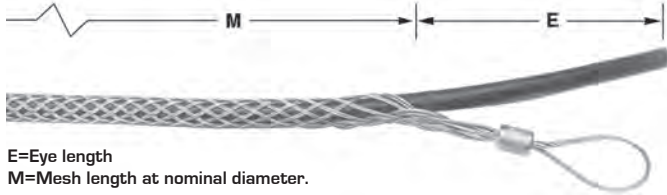
E=Eye length
M=Mesh length at nominal diameter.

Non-Conductive Pulling Grips are made of a high strength, non-conductive aramid fiber, and are available for pulling single cable or cable bundles. Their braided double weave design adds strength and positive holding power. They were developed for use by utilities for pulling overhead distribution lines in close proximity to energized lines and hardware.

Part Number	Description	Color	Cable Diameter Range		Approximate Breaking Strength		E		M		Cable Dia. A	
			(in)	(mm)	(lbs)	(N)	(in)	(mm)	(in)	(mm)	(in)	(mm)
08642422	036-28-001	Green	.50-.62	13-16	4,000	17,792	5.5	140	24.0	610	.44	11
08642428	036-28-002	Yellow	.63-.74	16-19	5,000	22,240	5.5	140	26.0	660	.44	11
08642431	036-28-003	Red	.75-.99	19-25	6,000	26,688	6.0	152	31.0	787	.63	16
08642437	036-28-004	Blue	1.00-1.24	25-31	6,000	26,688	6.5	165	36.0	914	.63	16
08642443	036-28-005	White	1.25-1.49	32-38	6,000	26,688	6.7	170	41.5	1,054	.63	16



Slack Grip - Closed Mesh

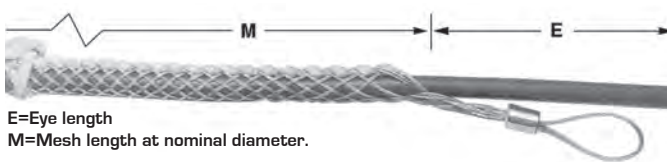


Slack Grip - Closed Mesh Pulling Grips are made of high strength galvanized steel in a double weave construction with a single eye. The closed mesh style grip is used when the cable end is accessible. All grips feature a single offset eye for easy attachment to a pulling line. They are used to pull in slack for final placement of underground cable after it has been pulled in. They are also used for removing cable.

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

Part Number	Description	Cable Diameter Range		Approximate Breaking Strength		E		M	
		(in)	(mm)	(lbs)	(N)	(in)	(mm)	(in)	(mm)
08642531	033-08-003	.75-.99	19-25	2,600	11,565	7	178	12	305
08642537	033-08-004	1.00-1.24	25-31	4,000	17,792	8	203	15	381
08642543	033-08-005	1.25-1.49	32-38	5,400	24,019	8	203	16	406
08642549	033-08-006	1.50-1.74	38-44	6,600	29,357	9	229	17	432
08642552	033-08-007	1.75-1.99	44-51	10,000	44,480	10	254	18	457
08642555	033-08-008	2.00-2.49	51-63	11,000	48,928	10	254	19	483
08642558	033-08-009	2.50-2.99	64-76	11,000	48,928	10	254	20	508
08642561	033-08-010	3.00-3.49	76-89	14,500	64,496	12	305	21	533
08642564	033-08-011	3.50-3.99	89-101	14,500	64,496	12	305	22	559

Slack Grip - Split Mesh, Lace Closing

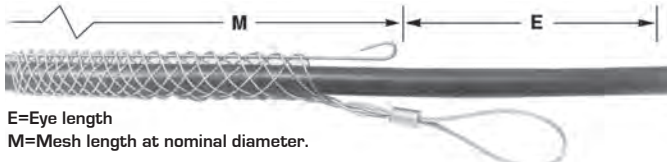


Slack Grip - Split Mesh, Lace Closing Pulling Grips are made of high strength galvanized steel in a double weave construction with a single eye. The split lace closing style grip is used when the cable end is not accessible. All grips feature a single offset eye for easy attachment to a pulling line. They are used to pull in slack for final placement of underground cable after it has been pulled in. They are also used for removing cable. Standard mesh lengths are generally used in restricted space for short pulls. Longer lengths are used for higher pulling loads where space is not restricted.

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

Part Number	Description	Cable Diameter Range		Approximate Breaking Strength		E		M	
		(in)	(mm)	(lbs)	(N)	(in)	(mm)	(in)	(mm)
08642731	033-09-003	.75-.99	19-25	2,500	11,120	7	178	12	305
08642737	033-09-004	1.00-1.24	25-31	3,500	15,568	8	203	15	381
08642743	033-09-005	1.25-1.49	32-38	4,000	17,792	8	203	16	406
08642749	033-09-006	1.50-1.74	38-44	4,000	17,792	9	229	17	432
08642752	033-09-007	1.75-1.99	44-51	4,000	17,792	10	254	18	457
08642755	033-09-008	2.00-2.49	51-63	4,000	17,792	10	254	19	483
08642758	033-09-009	2.50-2.99	64-76	4,000	17,792	10	254	20	508
08642849	033-09-015	1.50-1.99	38-51	4,000	17,792	9	229	25	635
08642855	033-09-016	2.00-2.49	51-63	4,000	17,792	10	254	26	660
08642858	033-09-017	2.50-2.99	64-76	4,000	17,792	10	254	29	737
08642861	033-09-018	3.00-3.49	76-89	4,000	17,792	12	305	32	813
08642864	033-09-019	3.50-3.99	89-101	4,000	17,792	12	305	35	889

Slack Grip - Split Mesh, Rod Closing



Slack Grip - Split Mesh, Rod Closing Pulling Grips are made of high strength galvanized steel in a single weave construction with a single eye. The split rod closing style grip is used when the cable end is not accessible. All grips feature a single offset eye for easy attachment to a pulling line. They are used to pull in slack for final placement of underground cable after it has been pulled in. They are also used for removing cable.

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

Part Number	Description	Cable Diameter Range		Approximate Breaking Strength		E		M	
		(in)	(mm)	(lbs)	(N)	(in)	(mm)	(in)	(mm)
08642922	033-10-001	.50-.61	13-15	1,500	6,672	7	178	6	152
08642928	033-10-002	.62-.74	16-19	1,800	8,006	7	178	8	203
08642931	033-10-003	.75-.99	19-25	2,200	9,786	7	178	10	254
08642937	033-10-004	1.00-1.24	25-31	3,400	15,123	8	203	12	305
08642943	033-10-005	1.25-1.49	32-38	4,500	20,016	8	203	14	356
08642949	033-10-006	1.50-1.74	38-44	5,800	25,798	9	229	15	381
08642952	033-10-007	1.75-1.99	44-51	7,600	33,805	10	254	16	406
08642955	033-10-008	2.00-2.49	51-63	9,000	40,032	10	254	19	483
08642958	033-10-009	2.50-2.99	64-76	11,000	48,928	10	254	20	508
08642961	033-10-010	3.00-3.49	76-89	12,000	53,376	12	305	21	533
08642964	033-10-011	3.50-3.99	89-101	12,000	53,376	12	305	24	610



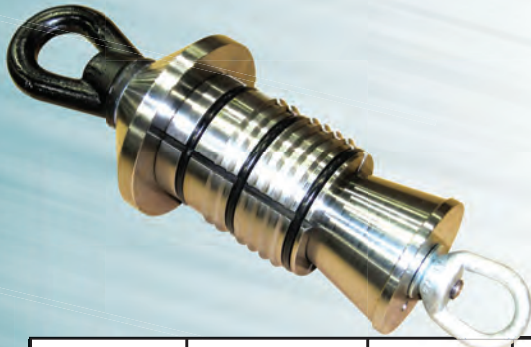
PE & PVC Pulling Eyes

Condux PE & PVC Pulling Eyes provide optimum gripping power and a watertight design. The watertight pulling eyes feature a multiple o-ring configuration, an extremely rigid center rod to prevent bending and a steel tapered lead cone with the same OD as the conduit. These design features protect the outer leading edge of the conduit and form a watertight seal. Condux PE & PVC Pulling Eyes also feature split gripping segments with aggressive gripping threads coupled with a steel expander plug that better grips the full range of conduit I.D.s.

Installation of the PE & PVC Pulling Eyes simply requires the leading eye to be tightened. The pulling eyes come standard with attachment eyes at both ends for connecting rope or steel lines. Pull-out strengths generally exceed the tensile capacity of the conduit.

See Ordering Information pages 68 & 69.

NOTE: PE & PVC Pulling Eyes come with a 90 day limited warranty.



PULLING EYES
& ACCESSORIES

PE & PVC Pulling Eyes Non-Sleeved Part Numbers

Part No.	Size in (mm)	Length in (mm)	Conduit ID in (mm)		Lead Cone OD in (mm)	Duct Type	Nom. Duct ID in (mm)
			Min.	Max.			
*08220020	2 (51)	8.18 (206)	1.88 (48)	2.15 (55)	2.375 (60)	2.0 SDR 11.0	1.92 (49)
						2.0 SCH 80	1.94 (49)
						2.0 SDR 13.5	2.00 (51)
						2.0 SDR 15.5	2.05 (52)
						2.0 SCH 40	2.07 (53)
*08220030	3 (76)	11.89 (302)	2.69 (68)	3.13 (79)	4.00 (102)	2.0 SDR 17.0	2.08 (53)
						3.0 SDR 11.0	2.83 (72)
						3.0 SCH 80	2.90 (74)
						3.0 SDR 13.5	2.95 (75)
						3.0 SDR 15.5	3.02 (77)
*08220611	4 (101)	14.11 (358)	3.50 (89)	4.20 (106)	4.81 (122)	3.0 SDR 17.0	3.06 (78)
						3.0 SCH 40	3.07(78)
						4.0 SIDR 7.0	4.026
						4.0 SIDR 9.0	4.026
*08220050	5 (127)	18.45 (469)	4.25 (108)	5.06 (129)	5.56 (141)	4.0 SIDR 11.5	4.026
						4.0 SIDR 15.0	4.026
						5.0 SDR 11.0	4.49 (114)
						5.0 SDR 13.5	4.69 (119)
						5.0 SDR 15.5	4.80 (122)
						5.0 SDR 80	4.81 (122)
*08220060	6 (152)	19.6 (498)	5.06 (129)	6 (152)	7.00 (178)	5.0 SDR 17.0	4.87 (124)
						5.0 SDR 21.0	5.00 (127)
						5.0 SCH 40	5.05 (128)
						6.0 SDR 11.0	5.35 (136)
						6.0 SDR 13.5	5.58 (142)
						6.0 SDR 15.5	5.72 (145)
						6.0 SCH 80	5.76 (146)
6.0 SDR 17.0	5.80 (147)						
6.0 SDR 21.0	5.96 (151)						

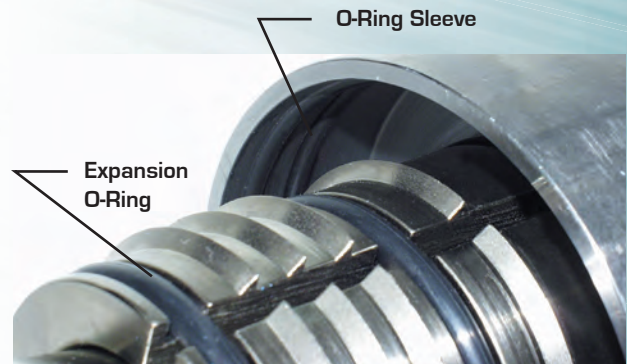
* Non-sleeved

PE & PVC Pulling Eyes, O-Rings & O-Rings in Sleeve Part Numbers

Part No.	Size in (mm)	Length in (mm)	Conduit I.D. in (mm)		Lead Cone I.D. in (mm)	Duct Type	Nom. Duct I.D. in (mm)
			Min.	Max.			
08220612	1.00 (25)	6.23 (158)	1.00 (25)	1.25 (32)	1.415 (36)	1.00 SDR 11.0	1.075 (27)
						1.00 SDR 13.5	1.121 (28)
08220600	1.25 (32)	6.23 (158)	1.25 (32)	1.50 (38)	1.76 (48)	1.25 SDR 11.0	1.33 (34)
						1.25 Sch 40	1.38 (35)
						1.25 SDR 13.5	1.39 (35)
						1.25 SDR 15.5	1.43 (36)
						1.25 SDR 17.0	1.44 (37)
08220601	1.50 (38)	6.23 (158)	1.50 (38)	1.75 (44)	2.01 (51)	1.25 SDR 21.0	1.50 (38)
						1.5 SDR 11.0	1.53 (39)
						1.5 SDR 13.5	1.60 (41)
						1.5 Sch 40	1.61 (41)
						1.5 SDR 15.5	1.63 (41)
08220602	2 (51)	8.18 (208)	1.88 (48)	2.15 (55)	2.45 (62)	1.5 SDR 17.0	1.66 (42)
						1.5 SDR 21.0	1.72 (44)
						2.0 SDR 11.0	1.92 (49)
						2.0 SDR 13.5	2.00 (51)
						2.0 SDR 15.5	2.05 (52)
08220609	2.5 (64)	8.80 (224)	2.31 (59)	2.56 (65)	3.01 (76)	2.0 Sch 40	2.07 (53)
						2.5 SDR 11.0	2.32 (59)
						2.5 SDR 13.5	2.42 (61)
						2.5 Sch 40	2.47 (63)
						2.5 SDR 15.5	2.49 (63)
08220603	3 (76)	11.89 (302)	2.69 (68)	3.13 (79)	3.63 (92)	2.5 SDR 17.0	2.51 (64)
						3.0 SDR 11.0	2.83 (72)
						3.0 SDR 13.5	2.95 (75)
						3.0 SDR 15.5	3.02 (77)
						3.0 SDR 17.0	3.06 (78)
08220604	4 (102)	14.11 (358)	3.50 (89)	4.06 (103)	4.63 (118)	3.0 Sch 40	3.07 (78)
						4.0 SDR 11.0	3.63 (92)
						4.0 SDR 13.5	3.79 (96)
						4.0 Sch 80	3.83 (97)
						4.0 SDR 15.5	3.89 (99)
08220605	5 (127)	18.45 (469)	4.25 (108)	5.06 (129)	5.63 (143)	4.0 SDR 17.0	3.94 (100)
						4.0 Sch 40	4.03 (102)
						4.0 SDR 21.0	4.05 (103)
						5.0 SDR 11.0	4.49 (114)
						5.0 SDR 13.5	4.69 (119)
08220606	6 (152)	19.60 (498)	5.06 (129)	6.00 (152)	6.76 (172)	5.0 SDR 15.5	4.80 (122)
						5.0 SDR 17.0	4.87 (124)
						5.0 SDR 21.0	5.00 (127)
						5.0 Sch 40	5.05 (128)
						6.0 SDR 11.0	5.35 (136)
08220608	8 (203)	21.53 (547)	6.63 (168)	7.69 (195)	8.84 (224)	6.0 SDR 13.5	5.58 (142)
						6.0 SDR 15.5	5.72 (145)
						6.0 SDR 17.0	5.80 (147)
						6.0 SDR 21.0	5.96 (151)
						8.0 SDR 11.0	6.96 (177)
08220613	8 (203)	21.53 (547)	7.63 (194)	8.25 (209)	9.25 (235)	8.0 SDR 13.5	7.27 (185)
						8.0 SDR 15.5	7.45 (189)
						8.0 SDR 17.0	7.55 (192)
						Boreguard	7.981 (203)
						Heavy wall schedule 40	7.981 (203)

PULLING EYES & ACCESSORIES

Eye Part Number	Expansion O-Ring Part No.	Qty Per Eye	O-Rings in Sleeve Part No.	Qty Per Eye
08220612	02288918	2	02289886	2
08220600	02269636	2	02288994	2
08220601	08010414	2	02288920	2
08220602	02269625	2	02288921	2
08220609	02269633	3	02288993	2
08220603	02269624	3	02288922	2
08220604	02269621	3	02288888	2
08220605	02269626	6	02288927	2
08220606	02269622	6	02288890	2
08220608	02269631	6	02288923	2
08220613	02269631	6	02288923	2
08220020	02269625	2	-	-
08220030	02269624	3	-	-
08220611	02269621	3	-	-
08220050	02269626	6	-	-
08220060	02269622	6	-	-





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INNERDUCT PULLING PRODUCTS

PULLING EYES & ACCESSORIES



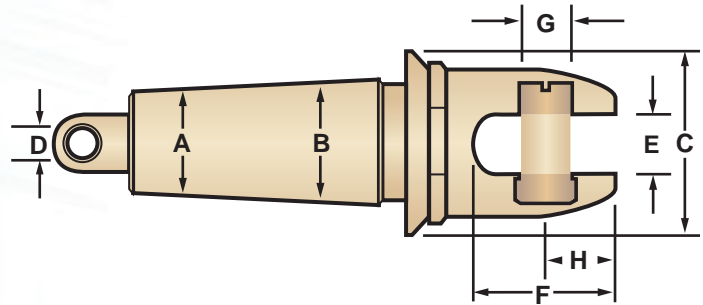
Swivel Head Innerduct Pulling Eye

The Innerduct Pulling Eye is a hybrid tool that combines features from standard innerduct pulling eyes and Condux swivels. A swivel head prevents twisting and binding of the innerduct as it is installed. It eliminates the need for a separate swivel on each pulling eye when installing single innerducts into individual conduits or multiple innerducts into a single conduit. Its short length is an advantage on tight bends compared to using a separate swivel and pulling eye. Easily installed using a 1³/₈" deep socket or adjustable wrench.

NOTE: To determine correct pulling eye size, obtain the actual innerduct inside diameter (I.D.). The I.D. measurement must be greater than dimension A and smaller than dimension B.

Replacement Clevis Pins for Swivel Head Innerduct Pulling Eyes

Part Number	Replacement Part Number
08960712	08081036
08960715	08081036
08960720	08081036



FYI
See Compatibility chart on page 73 to determine what Innerduct Pulling Eyes work with the different size Innerduct Ranges, Innerduct SDR Ratings, Swivels, Pulling Harnesses and Threaded Chain Connectors.

Part Number	Nominal Size		Innerduct I.D. Range		Max O.D. C		Hole Dia. D		Slot Width E		Slot Depth F		Pin Dia. G		Pin Center H	
	(in)	(mm)	A-B (in)	A-B (mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
08960712*	1-1 ¹ / ₄	25-32	1.06-1.43	27-37	1.75	44	.44	11	.56	14	1.31	33	.44	11	.56	14
08960715*	1 ¹ / ₂	38	1.37-1.68	35-43	2.00	51	.44	11	.56	14	1.31	33	.44	11	.56	14
08960720*	2	51	1.93-2.12	49-54	2.44	62	.44	11	.56	14	1.31	33	.44	11	.56	14

* Will fit all Condux pulling harnesses.

Clevis Head Innerduct Pulling Eye

Same tapered threads as the standard innerduct pulling eye, these pulling eyes feature a slotted head with clevis pin to permit direct attachment to any Condux multiple pulling harness leg ends. 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.

NOTE: To determine correct pulling eye size, obtain the actual innerduct inside diameter (I.D.). The I.D. measurement must be greater than dimension A and smaller than dimension B.

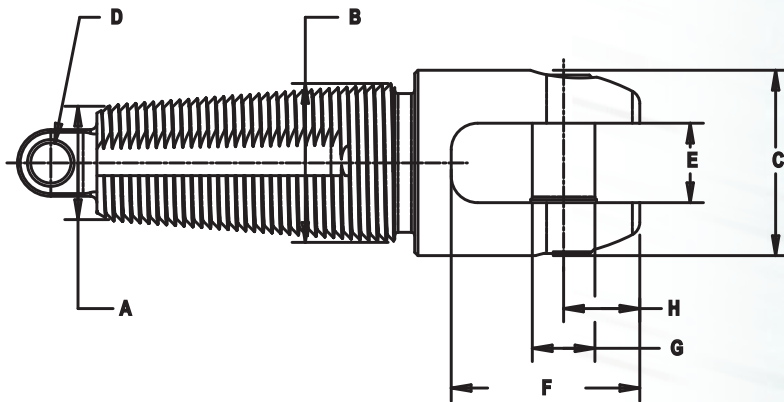
Replacement Clevis Pins for Clevis Head Innerduct Pulling Eyes

Part Number	Replacement Part Number
08914310	08081046
08914320	08081036
08914330	08210135
08914340	08081016
08914350	08081016
08914360	08081006

FYI
See Compatibility chart on page 73 to determine what Innerduct Pulling Eyes work with the different size Innerduct Ranges, Innerduct SDR Ratings, Swivels, Pulling Harnesses and Threaded Chain Connectors.



PULLING EYES & ACCESSORIES



Part Number	Nominal Size		Innerduct I.D. Range		Max O.D. C		Hole Dia. D		Slot Width E		Slot Depth F		Pin Dia. G		Pin Center H	
	(in)	(mm)	A-B (in)	A-B (mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
08914310*	3/4	19	.71-87	18-22	1.25	32	.25	6	.56	14	1.34	34	.38	10	.59	15
08914320*	1	25	.93-1.06	24-27	1.38	35	.25	6	.56	14	1.34	34	.44	11	.56	14
08914330*	1 1/4	32	1.06-1.43	27-37	1.75	44	.38	10	.75	19	1.78	45	.63	16	.81	21
08914340*	1 1/2	38	1.37-1.68	35-43	2.00	51	.38	10	.75	19	1.78	45	.63	16	.72	18
08914350*	1 3/4	44	1.68-1.81	43-46	2.25	57	.38	10	.75	19	1.78	45	.63	16	.72	18
08914360**	2	51	1.93-2.12	49-54	2.50	62	.38	10	.75	19	2.50	62	.88	22	1.23	31

* Will fit all Condux pulling harnesses.

** Will fit the Condux 3/8" and 1/2" cable pulling harnesses.



INNERDUCT PULLING PRODUCTS

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FYI

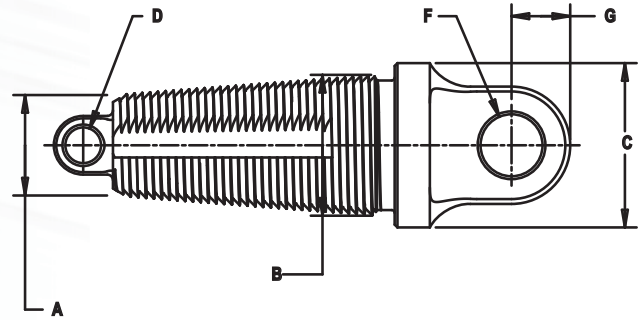
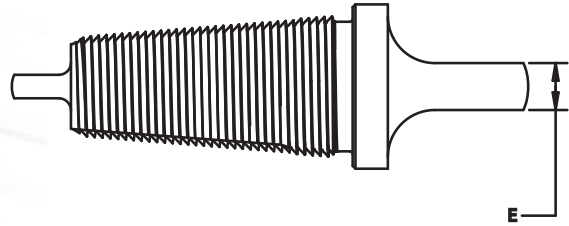
See Compatibility chart on page 73 to determine what Innerduct Pulling Eyes work with the different size Innerduct Ranges, Innerduct SDR Ratings, Swivels, Pulling Harnesses and Threaded Chain Connectors.

PULLING EYES & ACCESSORIES

Fixed Head Innerduct Pulling Eye

Tapered buttress threads thread into the innerduct for maximum pulling strength. These eyes connect directly to a Condux swivel (see page 46). 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.

NOTE: To determine correct pulling eye size, obtain the actual innerduct inside diameter (I.D.). The I.D. measurement must be greater than dimension A and smaller than dimension B.



Part Number	Nominal Size		Innerduct I.D. Range		Max O.D. C		Hole Dia. D		Tang Thickness E		Tang Hole Diameter F		Tang Hole Location G	
	(in)	(mm)	A-B (in)	A-B (mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
08914110	¾	19	.71-.87	18-22	1.25	32	.25	6	.38	10	.50	13	.50	13
08914120	1	25	.93-1.06	24-27	1.38	35	.25	6	.38	10	.50	13	.50	13
08914130	1¼	32	1.06-1.43	27-37	1.75	44	.38	10	.50	13	.66	17	.63	16
08914140	1½	38	1.37-1.68	35-43	2.00	51	.38	10	.50	13	.66	17	.63	16
08914150	1¾	44	1.68-1.81	43-46	2.25	57	.38	10	.50	13	.66	17	.75	19
08914160	2	51	1.93-2.12	49-54	2.50	62	.38	10	.50	13	.81	21	.75	19



Innerduct Pulling Eye Installation Tool

Fits on a ½" Drive Wrench to facilitate insertion of the eye into the innerduct.

Part Number	Description
08913335	Installation Tool

Compatibility Chart

Use the chart to determine what Innerduct Pulling Eyes work with the different size Innerduct Ranges, Innerduct SDR Ratings, Swivels, Pulling Harnesses and Threaded Chain Connectors.

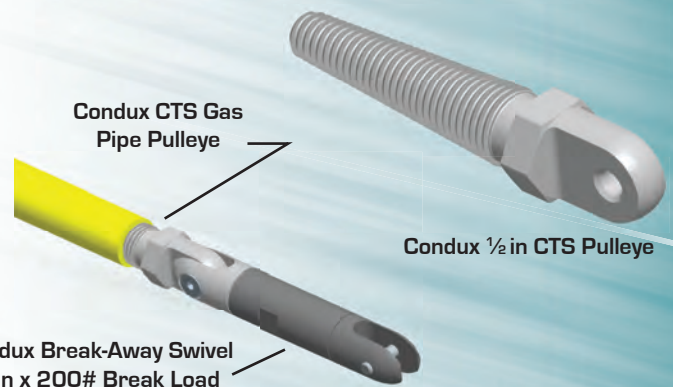
	Innerduct Range							Compatibility		
	Innerduct Eye Part No.	Innerduct I.D. Range	Innerduct Range					Swivel Part No.	Pulling Harness Legs	Threaded Chain Connectors
			¾" Rating	1.00" Rating	1.25" Rating	1.50" Rating	2.00" Rating			
Swivel Head	08960712	1.06-1.43	-	SDR 13.5 SDR 17 SDR 21	SDR 7 SDR 9 SDR 11 SDR 13.5	SDR 7	-	-	All	-
	08960715	1.37-1.68	-	-	SDR 13.5 SDR 15.5 SDR 17 SDR 21	SDR 9 SDR 11 SDR 13.5 SDR 15.5	-	-	All	-
	08960720	1.93-2.12	-	-	-	-	SDR 11 SDR 13.5 SDR 15.5 SDR 17	-	All	-
Clevis Head	08914310	.71-.87	SDR 11 SDR 13.5	-	-	-	-	-	All	-
	08914320	.93-1.06	-	SDR 7 SDR 9	-	-	-	-	All	-
	08914330	1.06-1.43	-	SDR 13.5 SDR 17 SDR 21	SDR 7 SDR 9 SDR 11 SDR 13.5	SDR 7	-	-	All	-
	08914340	1.37-1.68	-	-	SDR 13.5 SDR 15.5 SDR 17 SDR 21	SDR 9 SDR 11 SDR 13.5 SDR 15.5	-	-	All	-
	08914350	1.68-1.81	-	-	-	SDR 21	SDR 7	-	All	-
	08914360	1.93-2.12	-	-	-	-	SDR 11 SDR 13.5 SDR 15.5 SDR 17	-	All	-
Fixed Head	08914110	.71-.87	SDR 11 SDR 13.5	-	-	-	-	-	-	¼" - ⅜"
	08914120	.93-1.06	-	SDR 7 SDR 9	-	-	-	08080912 08080913	-	¼" - ⅜"
	08914130	1.06-1.43	-	SDR 11 SDR 13.5 SDR 17 SDR 21	SDR 7 SDR 9 SDR 11 SDR 13.5	SDR 7	-	08080912 08080913 08210014	-	¼" - ⅜"
	08914140	1.37-1.68	-	-	SDR 13.5 SDR 15.5 SDR 17 SDR 21	SDR 9 SDR 11 SDR 13.5 SDR 15.5	-	08080912 08080913 08210014	-	¼" - ⅜"
	08914150	1.68-1.81	-	-	-	SDR 21	SDR 7	08080913 08210014	-	⅜" & ⅝"
	08914160	1.93-2.12	-	-	-	-	SDR 11 SDR 13.5 SDR 15.5 SDR 17	08080912 08210014	-	¼" - ⅜"

PULLING EYES & ACCESSORIES

CTS Gas Pipe Pulleyes

Tapered buttress threads thread into the gas pipe for maximum pulling strength. These eyes connect directly to a Condux Breakaway Swivel (compatible with Condux ⅝" Breakaway Swivel only). When properly sized and installed, these eyes will not pull out of the gas pipe until the pulling tensions have greatly exceeded the maximum pulling tensions recommended by the gas pipe manufacturers.

Part Number	Description	Dimension
08914005	½ Inch CTS Gas Pipe Pulleye	.315-.551
08914007	¾ Inch CTS Gas Pipe Pulleye	.551-.813
08914010	1 Inch CTS Gas Pipe Pulleye	.813-1.050





PULLING EYE SYSTEMS

CONDEX



Reusable Power Cable Pulling Eyes

Condux non-crimp Reusable Cable Pulling Eyes waste virtually no cable and all components are completely reusable. These eyes will remain firmly secured on the cable for a confident pull. No special tools or crimpers are required for installation.

Three designs of Reusable Power Pulling Eyes are available: Clevis Head, Standard Head, and Swivel Head.

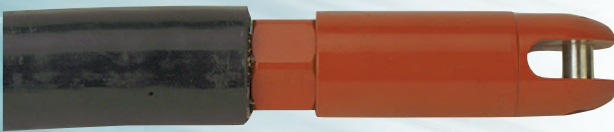
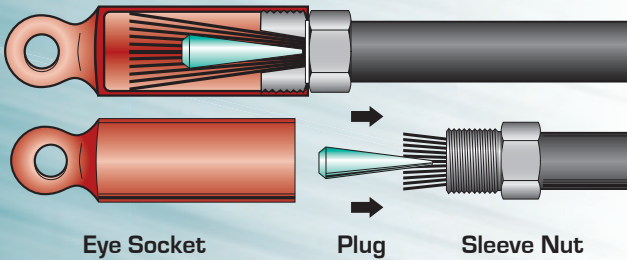
For ease of ordering and cost savings, kits are available for Clevis, Swivel and Standard Head Reusable Eyes. See page 76 for information.

NOTE: When properly installed, all Condux Reusable Power Pulling Eyes will exceed the recommended maximum pulling tensions for single conductor power cable as specified by the cable manufacturer.

NOTE: Multiple Pulling Harness and connectors available (see pages 52 & 53).

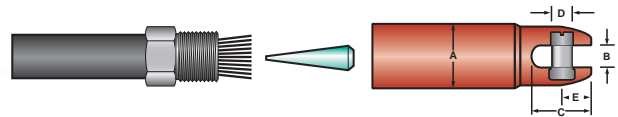
NOTE: All Reusable Eyes are color coded for ease of use.

PULLING EYES & ACCESSORIES



Reusable Power Pulling Eyes, Clevis Head

The Clevis Head Power Pulling Eyes feature a slotted head with clevis pin to allow direct attachment to the Condux multiple pulling harness. When pulling multiple cables into a single conduit, the conductors can be attached to a harness and installation is simplified to a single pull of one assembly. Each Clevis Head Power Pulling Eye includes a clevis socket, sleeve nut, and plug.



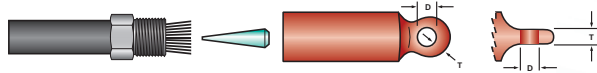
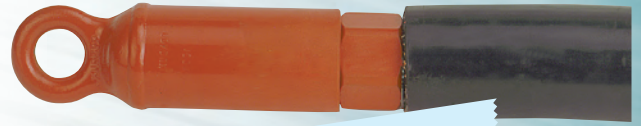
FYI
Will not work on Flat Aluminum Stranded Conductor.

Part Number	Cable		Max. Conductor Diameter		Max. Eye O.D. A		Slot Width B		Slot Depth C		Pin Dia. D		Pin Center E		Replacement Plug Part Number
	Size	Color	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	
08918150+	2500 kcmil	Green	1.824	46	3.00	76	1.00	25	2.80	71	.88	22	1.23	31	08918123
08918050+	2000 kcmil	Red	1.601	41	2.50	64	1.00	25	2.80	71	.88	22	1.23	31	08918023
08917750+	1750 kcmil	Yellow	1.526	39	2.50	64	1.00	25	2.80	71	.88	22	1.23	31	08917723
08917950*	1500 kcmil	Black	1.412	36	2.38	60	.75	19	1.78	45	.63	16	.72	18	08917923
08917850*	1250 kcmil	Blue	1.289	33	2.25	57	.75	19	1.78	45	.63	16	.72	18	08917823
08917150*	1000 kcmil	Orange	1.152	29	2.06	52	.75	19	1.78	45	.63	16	.72	18	08917123
08917250*	750 kcmil	Brown	.998	25	1.75	44	.63	16	1.59	40	.56	14	.78	20	08917223
08917350*	700 kcmil	Gray	.964	24	1.75	44	.63	16	1.59	40	.56	14	.78	20	08917323
08918250*	600 kcmil	Green	.937	24	1.75	44	.63	16	1.59	40	.56	14	.78	19	08918223
08917450*	500 kcmil	Yellow	.813	21	1.44	37	.59	15	1.41	36	.44	11	.59	15	08917423
08918350**	400 kcmil	Black	.713	18	1.44	37	.56	11	1.40	36	.44	11	.59	15	08918323
08917550*	350 kcmil	White	.681	17	1.25	32	.56	14	1.34	34	.38	10	.59	15	08917523
08960350**	250 kcmil	Blue	.575	15	1.13	29	.38	10	1.06	27	.31	8	.53	13	08960323
08960450**	4/0 AWG	Green	.528	13	1.00	25	.38	10	1.06	27	.31	8	.53	13	08960423
08960950**	3/0 AWG	Orange	.475	12	1.00	25	.38	10	1.06	27	.31	8	.53	13	08960923
08960850**	2/0 AWG	Black	.419	11	1.00	25	.38	10	1.06	27	.31	8	.53	13	08960823
08960550**	1/0 AWG	Red	.373	9	.88	22	.38	10	1.06	27	.31	8	.53	13	08960523

+ - Will fit 5/8" (9.5 mm) and 1/2" (13 mm) cable pulling harnesses.
 * - Will fit all Condux pulling harnesses.
 ** - Will fit the 1/8" (3 mm) and 1/4" (6 mm) cable pulling harnesses.

Reusable Power Pulling Eyes, Standard Head

The Standard Head Power Pulling Eyes are an excellent alternative when pulling multiple cables into a single conduit. Single conductors can be attached to a Condux Multiple Pulling Harness with links or with Condux swivels. Installation is then simplified to a single pull of one assembly. Each Standard Power Pulling Eye includes an eye socket, sleeve nut, and plug.

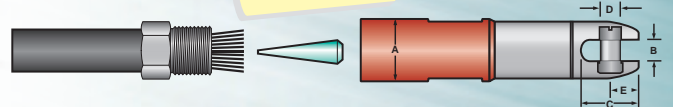
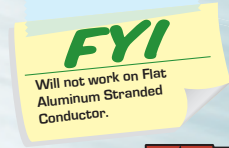


Part Number	Cable Size	Color	Max. Conductor Dia.		Max. Eye O.D.		Hole Dia. D		Eye Thickness T		Replacement Plug Part
			(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	Number
08918420	2750 kcmil	White	1.864	47	3.00	76	1.00	25	.50	13	08918423
08918120	2500 kcmil	Green	1.824	46	3.00	76	1.00	25	.50	13	08918123
08918020	2000 kcmil	Red	1.601	41	2.50	64	1.00	25	.50	13	08918023
08917720	1750 kcmil	Yellow	1.526	39	2.50	63	1.00	25	.50	13	08917723
08917920	1500 kcmil	Black	1.412	36	2.38	60	1.00	25	.50	13	08917923
08917820	1250 kcmil	Blue	1.289	33	2.25	57	1.00	25	.50	13	08917823
08917120	1000 kcmil	Orange	1.152	29	2.06	52	1.00	25	.50	13	08917123
08917220	750 kcmil	Brown	.998	25	1.75	44	.60	15	.43	11	08917223
08917320	700 kcmil	Gray	.964	24	1.75	44	.60	15	.43	11	08917323
08918220	600 kcmil	Green	.9367	24	1.75	44	.63	16	.43	11	08918223
08917420	500 kcmil	Yellow	.813	21	1.50	38	.81	21	.50	13	08917423
08918320	400 kcmil	Black	.7125	18	1.44	37	.81	21	.50	13	08918323
08917520	350 kcmil	White	.681	17	1.25	32	.75	19	.50	13	08917523
08960320	250 kcmil	Blue	.575	15	1.13	29	.63	16	.50	13	08960323
08960420	4/0 AWG	Green	.528	13	1.00	25	.50	13	.34	9	08960423
08960920	3/0 AWG	Orange	.475	12	1.00	25	.50	13	.34	9	08960923
08960820	2/0 AWG	Black	.419	11	1.00	25	.50	13	.34	9	08960823
08960520	1/0 AWG	Red	.373	9	.88	22	.50	13	.34	9	08960523

PULLING EYES & ACCESSORIES

Reusable Power Pulling Eyes, Swivel Head

The Swivel Head Power Pulling Eye is a hybrid tool that combines features from standard reusable power pulling eyes and Condux swivels for superior performance. A swivel head prevents twisting and binding of the cable as it is installed. It eliminates the need for a separate swivel on each pulling eye when installing single cables into individual conduits or multiple cables into a single conduit. Each Swivel Head Power Pulling Eye includes a swivel head, sleeve nut, and plug.



Part Number	Cable Size	Color	Max. Conductor Diameter		Max. Eye O.D. A		Slot Width B		Slot Depth C		Pin Dia. D		Pin Center E		Replacement Plug Part
			(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	Number
08918175+	2500 kcmil	Green	1.824	46	3.00	76	1.00	25	2.80	71	.88	22	1.23	31	08918123
08918075+	2000 kcmil	Red	1.601	41	2.50	64	1.00	25	2.80	71	.88	22	1.23	31	08918023
08917775+	1750 kcmil	Yellow	1.526	39	2.50	64	1.00	25	2.80	71	.88	22	1.23	31	08917723
08917975*	1500 kcmil	Black	1.412	36	2.38	60	.75	19	1.78	45	.63	16	.72	18	08917923
08917875*	1250 kcmil	Blue	1.289	33	2.25	57	.75	19	1.78	45	.63	16	.72	18	08917823
08917175*	1000 kcmil	Orange	1.152	29	2.06	52	.75	19	1.78	45	.63	16	.72	18	08917123
08917275*	750 kcmil	Brown	.998	25	1.75	44	.63	16	1.59	40	.56	14	.78	20	08917223
08917375*	700 kcmil	Gray	.964	24	1.75	44	.63	16	1.59	40	.56	14	.78	20	08917323
08918275*	600 kcmil	Green	.9367	24	1.75	44	.63	16	1.59	40	.56	14	.78	20	08918223
08917475*	500 kcmil	Yellow	.813	21	1.44	37	.56	14	1.31	33	.44	11	.56	14	08917423
08918375**	400 kcmil	Black	.7125	18	1.44	37	.56	11	1.40	36	.44	11	.59	15	08918323
08917575*	350 kcmil	White	.681	17	1.25	32	.56	14	1.34	34	.38	10	.59	15	08917523
08960375**	250 kcmil	Blue	.575	15	1.13	29	.38	10	1.06	27	.31	8	.53	13	08960323
08960475**	4/0 AWG	Green	.528	13	1.00	25	.38	10	1.06	27	.31	8	.53	13	08960423
08960975**	3/0 AWG	Orange	.475	12	1.00	25	.38	10	1.06	27	.31	8	.53	13	08960923
08960875**	2/0 AWG	Black	.419	11	1.00	25	.38	10	1.06	27	.31	8	.53	13	08960823
08960575**	1/0 AWG	Red	.373	10	.88	22	.38	10	1.06	27	.31	8	.53	13	08960523

+ - Will fit 3/8" (9.5 mm) and 1/2" (13 mm) cable pulling harnesses.
 * - Will fit all Condux pulling harnesses.
 ** - Will fit the 1/8" (3 mm) and 1/4" (6 mm) cable pulling harnesses.



PULLING EYE SYSTEMS

CONDEX



FYI

See page 53 for Harnesses and see page 46 for Swivels.

Note: Kits include pulling eyes only. Some products shown available separately.

Reusable Power Pulling Eye Kits

For cost savings and ease of ordering, Condux has prepared kits for the Clevis, Standard, and Swivel Head Reusable Power Pulling Eyes.

Clevis Head Kits

Part Number	Description
08917010	Kit for 350 to 1000 kcmil power pulling eyes with clevis ends. Includes 3 each of the eyes for 350 to 1000 kcmil cable. NOTE: Does not include 400 or 600.
08917060	Kit for 1/0 AWG to 250 kcmil power pulling eyes with clevis ends. Includes 3 each of the eyes for 1/0 AWG to 250 kcmil cable.

Standard Head Kits

Part Number	Description
08917020	Kit for 350 to 1000 kcmil power pulling eyes with eye ends. Includes 3 each of the eyes for 350 to 1000 kcmil cable. NOTE: Does not include 400 or 600.
08917070	Kit for 1/0 AWG to 250 kcmil power pulling eyes with eye ends. Includes 3 each of the eyes for 1/0 AWG to 250 kcmil cable.

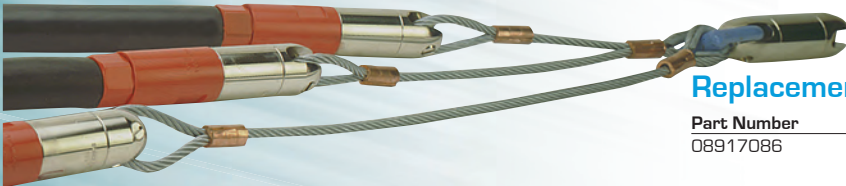
Swivel Head Kits

Part Number	Description
08917030	Kit for 350 to 1000 kcmil power pulling eyes with swivel ends. Includes 3 each of the eyes for 350 to 1000 kcmil cable. NOTE: Does not include 400 or 600.
08917080	Kit for 1/0 AWG to 250 kcmil power pulling eyes with swivel ends. Includes 3 each of the eyes for 1/0 AWG to 250 kcmil cable.

Replacement Case

Part Number	Description
08917086	Replacement case is available for the Reusable Power Pulling Eyes. This case includes an improved foam insert for the storage of the power pulling eyes.

PULLING EYES & ACCESSORIES



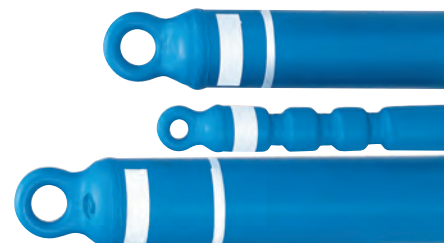
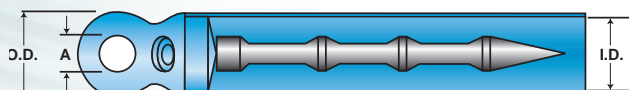
Crimp-On Cable Pulling Eyes and Accessories

Condux Crimp-On Cable Pulling Eyes for telephone and power cable are the ultimate solution in cable pulling eyes. These pulling eyes form a connection as strong as the cable itself. The entire cable, jacket and conductor is used which reduces the risk of cable deformation during pulling. When properly installed, Crimp-On Pulling Eyes are virtually impossible to pull off and also seal the cable against both water and air intrusion. Typically factory installed, the pulling eyes can also be field installed with a special crimping tool, available from Condux.

The Condux Crimp-On Cable Pulling Eyes Catalog lists complete information on different styles of pulling eyes available and serves as an ordering guide. It is available through Condux Customer Service or from your local manufacturer's representative. Call Condux at the numbers listed on the bottom of this page to order the Condux Crimp-On Cable Pulling Eyes Catalog.



Crimp-on Pulling Eye Crimper Kit and Accessories



Polywater® Lubricant J

Polywater® Lubricant J is a high performance, clean, slow-drying, water-based gel. Lubricant J provides maximum tension reduction in all types of cable pulling. It is especially recommended for long pulls, multiple-bend pulls and pulls in hot environments. Lubricant J dries to form a thin lubricating film that retains its slipperiness for months after use. It is harmless to humans, environmentally safe, compatible with all cable jacket materials and easily applied.

Part Number	Description	Std. Pkg. Qty.
08230300	1 Quart (.9 liter) Squeeze Bottle	12/case
08230310	½ Gallon (1.9 liter) Poly Bag (in Pail)	10/pail
08230301	1 Gallon (3.8 liter) Jug	4/case
08230305	5 Gallon (19 liter) Pourable Pail	1
08230355	55 Gallon (208 liter) Drum	1



Polywater® Lubricant WJ

Lubricant WJ is a non-freezing form of the standard Lubricant J for power applications.

Part Number	Description	Std. Pkg. Qty.
08230400	1 Quart (.9 liter) Squeeze Bottle	12/case
08230410	½ Gallon (1.9 liter) Poly Bag (in Pail)	10/pail
08230401	1 Gallon (3.8 liter) Jug	4/case
08230405	5 Gallon (19 liter) Pourable Pail	1
08230455	55 Gallon (208 liter) Drum	1

Polywater® Lubricant PJ

Polywater® Lubricant PJ is a pourable version of the Polywater® Lubricant J. It offers the same proven features as Polywater® Lubricant J in key areas such as lubricity, cable compatibility and easy clean-up, yet is easier to apply where pouring is practical.

Part Number	Description	Std. Pkg. Qty.
08230501	1 Gallon (3.8 liter) Jug	4/case
08230504	2½ Gallon (9.5 liter) Jug	2/case
08230505	5 Gallon (19 liter) Pourable Pail	1
08230555	55 Gallon (208 liter) Drum	1

For Fiber Optic Cable Blowing and Pulling Lubricants, see pages 133 & 152.



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 3/8" - 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 Min.	
PEAK POWER	.95 HP .708 KW	
GENERATOR	3500 WATT Recommended	



POWER CABLE
INSTALLATION

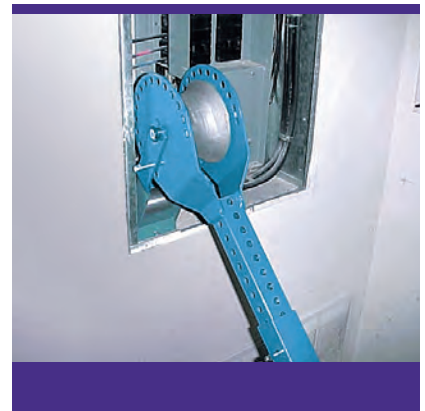
FYI
Adapters sold separately
see page 80.



1" - 5" Conduit Adapters



Adapters Split for Easy Removal



Retaining Fork

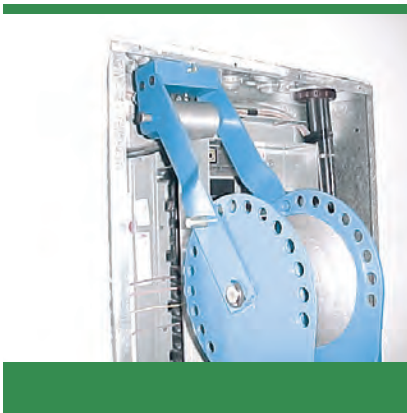
EXTENSION RANGE 67" to 87"

PULLER Grooved cast aluminum capstan provides better rope gripping

ELECTRIC MOTOR and gearbox provides up to 3000 lbs pulling force

FOOT SWITCH provides for operator convenience and safety

FORK rotates on head to accommodate different pulling situations



Can be used for Vertical or Horizontal Pulls

**POWER CABLE
INSTALLATION**



CableGlider LW® Tripod

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

NOTE: LW CableGlider sold separately.

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
08678330	External Adapter, 6.00" (152 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
08678324	Internal Adapter, 5.00" (127 mm) Conduit Sch 40
08678329	Internal Adapter, 6.00" (152 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

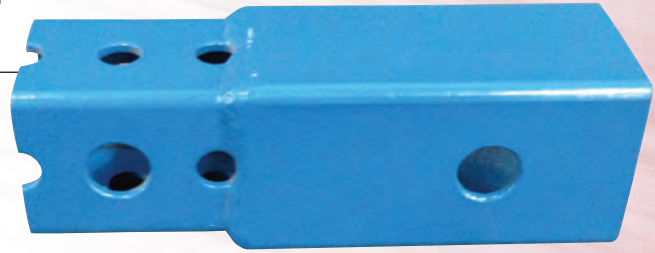
Monitors pull tension based on the number of amps the motor is drawing. Useful when superior accuracy is not required (Accuracy is $\pm 20\%$) Amp usage is then translated into a tension reading shown on the display.

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



POWER CABLE
INSTALLATION

CableGlider® STD Cable Puller

The Condux CableGlider STD Cable Puller offers portability and ease of set-up in a completely self-contained unit to adapt to a variety of pulling situations. It comes equipped with a two-speed removable power pack, providing up to 6,500 pounds (28,912 N) of pulling force at low speed. Speed changes are no problem with just a turn of a dial.

Design features include a self-tailing capstan for added stability, a pivoting arm and a foot switch for operator convenience and safety. Accepts all diameter rope (self-tailing capstan accepts $\frac{5}{8}$ " [16 mm] to $\frac{7}{8}$ " [22 mm] rope only).

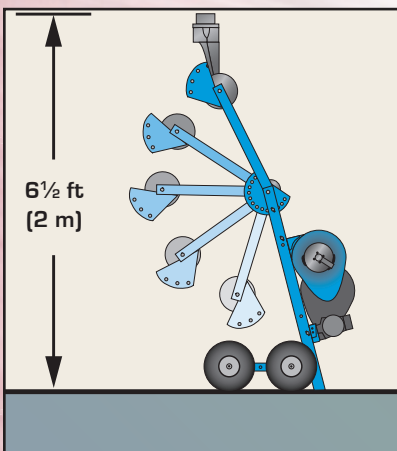
CableGlider STD includes the following items:

- Puller
- Foot switch
- Retaining Fork
- Conduit Adapters - 2" [51 mm], 3" [76 mm], 3½" [89 mm], 4" [102 mm]
- Tool box for the accessories

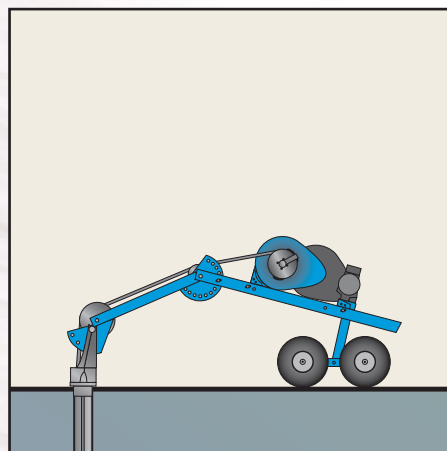


POWER CABLE
INSTALLATION

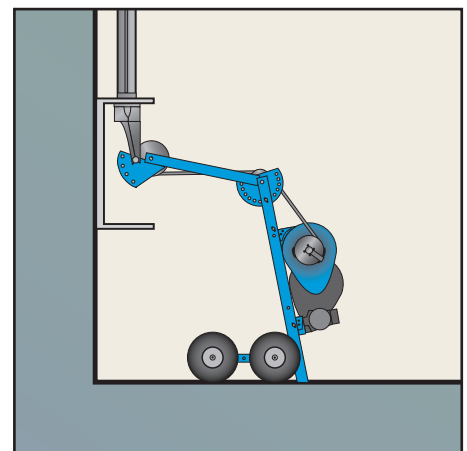
CableGlider STD Typical Applications



PIVOTING ARM



VERTICAL (UP) PULL FROM FLOOR



VERTICAL (DOWN) PULL FROM BOX

CableGlider STD

Part Number	Description
08610650	110 Volt Standard Cable Puller*
08610650S	110 Volt Standard Cable Puller Split*

*(International orders must specify plug type)

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

Complete Pulling Packages For CableGlider STD

Condux pulling packages offer cost savings and ordering convenience.

Part No.	Description
08674388	CableGlider STD (Package 1)
08674388S	CableGlider STD (Package 1) Split
	<ul style="list-style-type: none"> • 110 Volt Puller with accessories (above) • Standard Extension Frame (pg. 90) • 600 ft. (183 m) of 5/8" (16 mm) double-braided rope (pg. 43) • Floor/Conduit/Pole Mount Frame (pg. 89) • 5" (127 mm) & 6" (152 mm) adapters w/retaining fork (pg. 91) • Running Line Tensiometer with Chart Recorder (pg. 92)
08610686	CableGlider STD (Package 2)
08610686S	CableGlider STD (Package 2) Split
	<ul style="list-style-type: none"> • All items in package 1 with: • Amp-type Tensiometer (pg. 91) [replaces RLT]



CableGlider STD Package 1

Transformer Volt Converter 4000 Watt

Used only with the STD and Plus CableGliders.

Features:

- 4000 Watt
- Heavy-Duty Continuous use Transformer
- One grounded outlet in front of unit (accepts 3 or 2 prong US and Euro plugs)
- Converts 220/240 Volts down to 110/120 Volts
- Built-In Fuse Protection
- Hard-Wire with European Shucko Plug also good for Asian Outlets

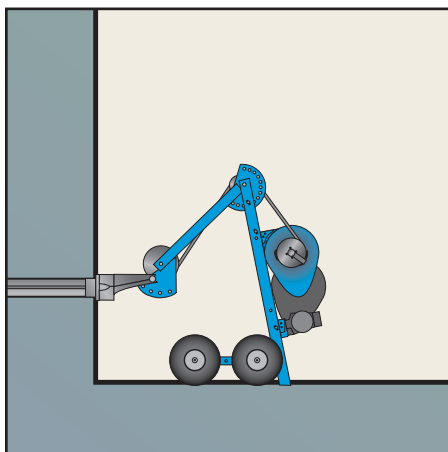
Part Number	Description
08674850	Transformer Volt Converter 4000 Watt

SPECIFICATIONS				
PULLING FORCE	Low Speed		High Speed	
	lbs	kN	lbs	kN
Maximum	6,500	28.9	3,500	15.6
Continuous	4,000	17.8	2,000	8.9
PULLING SPEED	ft/min	m/min	ft/min	m/min
No Load	17.5	5.3	39.2	12.0
At 2,000 lbs (8.9 kN)	13.5	4.1	18.8	5.7
At 4,000 lbs (17.8 kN)	9.5	2.9	—	—
At 6,000 lbs (26.7 kN)	7.0	2.1	—	—
Power Requirements				
08610650	115 VAC @ 10 Amps Min.			
PEAK POWER	1.9 HP (1.42 kW)			
GENERATOR	4000 Watt Recommended*			

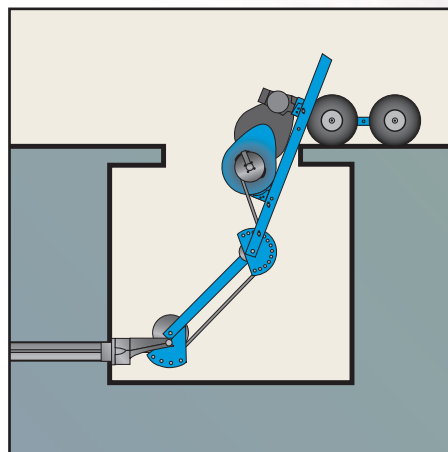
*NOTE: Use of less than the recommended wattage generator may effect the pulling specifications listed above.

POWER CABLE INSTALLATION

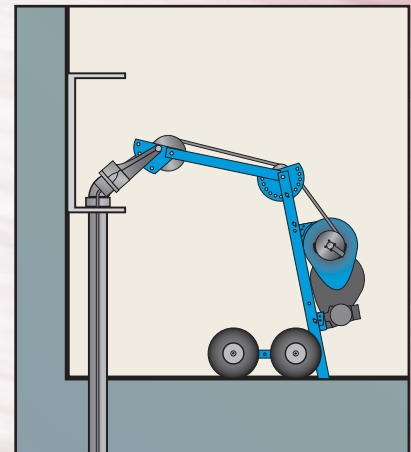
CableGlider STD Typical Applications



HORIZONTAL PULL



HORIZONTAL VAULT PULL



VERTICAL PULL WITH 45° ELBOW

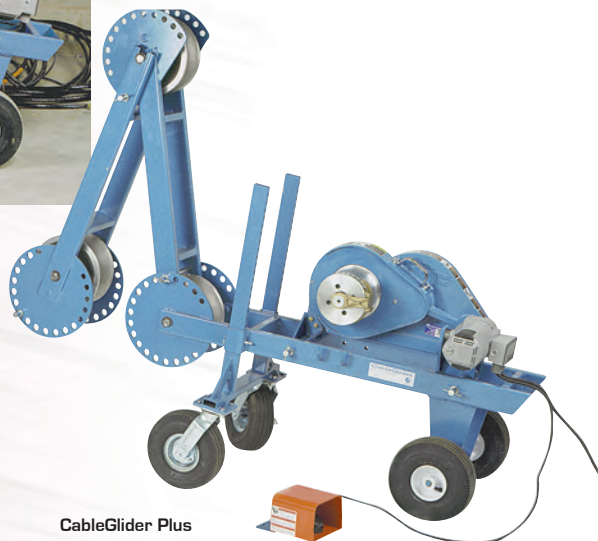
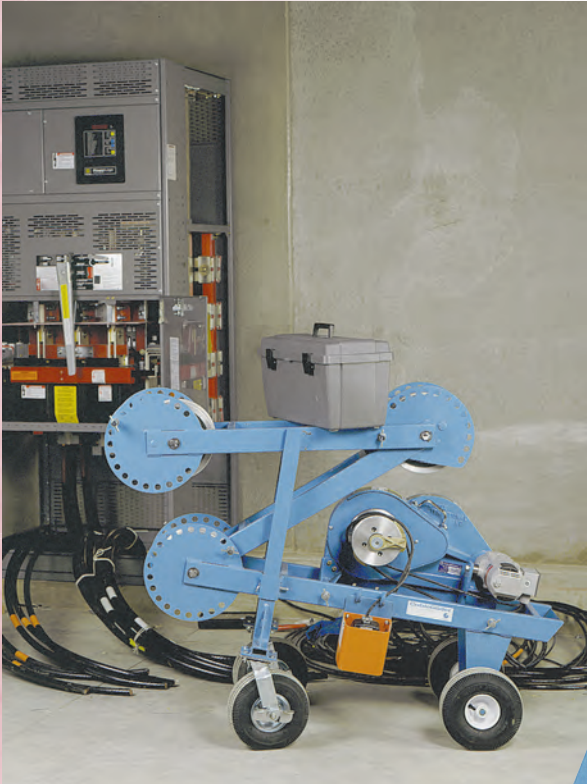
CableGlider® Plus Cable Puller

This model comes equipped with the same removable two-speed, 6,500 lbs (28,912 N) power pack and accessories as our STD model, but features a heavy-duty frame with an extra pivoting arm for added performance and versatility. In addition, the front frame height can easily be adjusted with pins. Like all CableGlider models, the Plus is portable, sets up quickly and comes completely self-contained, ready to work.

As with the STD model, the CableGlider Plus features a self-tailing capstan for added stability, a pivoting arm and a foot switch for operator convenience and safety. Accepts all diameter rope (self-tailing capstan accepts 5/8" (16 mm) to 7/8" (22 mm) rope only).

CableGlider Plus includes the following items:

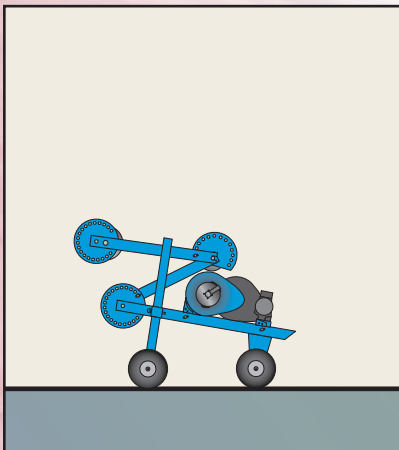
- Puller
- Foot switch
- Retaining Fork
- Conduit Adapters - 2" (51 mm), 3" (76 mm), 3½" (89 mm), 4" (102 mm)
- Tool box for the accessories



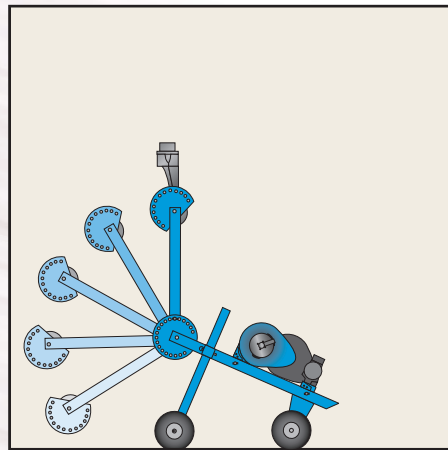
CableGlider Plus

POWER CABLE
INSTALLATION

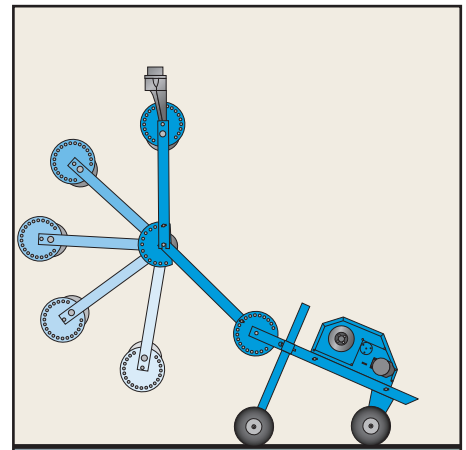
CableGlider Plus Typical Applications



TRANSPORT POSITION



FIRST PIVOTING ARM



SECOND PIVOTING ARM

CableGlider Plus

Part Number	Description
08674300	110 Volt Plus Cable Puller*
08674300S	110 Volt Plus Cable Puller Split*

*(International orders must specify plug type)

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

Complete Pulling Packages For CableGlider Plus

Condux pulling packages offer cost savings and ordering convenience.

Part No.	Description
08674391	CableGlider Plus (Package 1)
08674391S	CableGlider Plus (Package 1) Split <ul style="list-style-type: none"> • 110 Volt Puller with accessories (above) • HD Extension Frame (pg. 90) • 600 ft. (183 m) of 5/8" (16 mm) double-braided rope (pg. 43) • Floor/Conduit/Pole Mount Frame (pg. 89) • 5" (127 mm) & 6" (152 mm) adapters w/ retaining fork (pg. 91) • Running Line Tensiometer w/ data recorder (pg. 93)
08674386	CableGlider Plus (Package 2)
08674386S	CableGlider Plus (Package 2) Split <ul style="list-style-type: none"> • All items in package 1 with: • Amp-type Tensiometer (pg. 91) (replaces RLT)



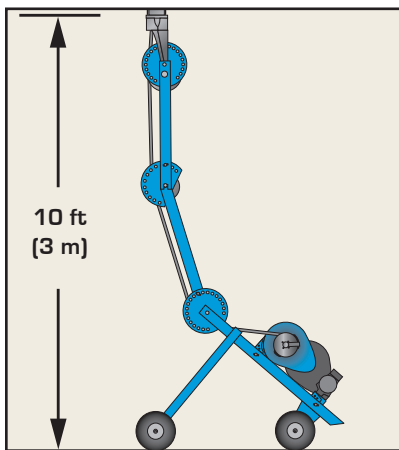
CableGlider Plus Package 1

SPECIFICATIONS				
PULLING FORCE	Low Speed		High Speed	
	lbs	kN	lbs	kN
Maximum	6,500	28.9	3,500	15.6
Continuous	4,000	17.8	2,000	8.9
PULLING SPEED	ft/min	m/min	ft/min	m/min
No Load	17.5	5.3	39.2	12.0
At 2,000 lbs (8.9 kN)	13.5	4.1	18.8	5.7
At 4,000 lbs (17.8 kN)	9.5	2.9	—	—
At 6,000 lbs (26.7 kN)	7.0	2.1	—	—
Power Requirements				
08674300	115 VAC @ 10 Amps Min.			
PEAK POWER	1.9 HP (1.42 kW)			
GENERATOR	4000 Watt Recommended*			

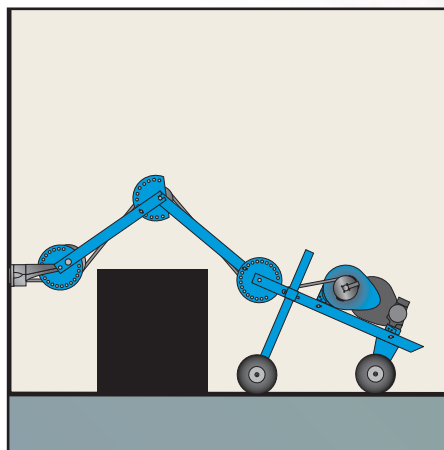
*NOTE: Use of less than the recommended wattage generator may effect the pulling specifications listed above.

POWER CABLE
INSTALLATION

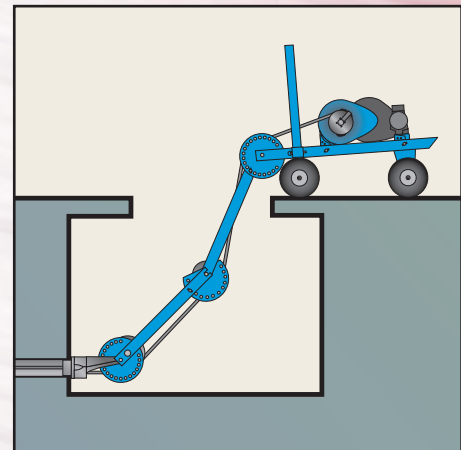
CableGlider Plus Typical Applications



VERTICAL OVERHEAD PULL



HORIZONTAL PULL
OVER OBSTRUCTION



HORIZONTAL VAULT PULL

CableGlider® HD Cable Puller

The Condux CableGlider HD is specially designed to provide maximum pulling power for longer runs in a completely self-contained unit. It offers fast set-up, portability and is easily adaptable for a variety of pulling situations.

The removable power pack delivers up to 12,000 pounds (53,375 N) of pulling force at low speed—over 80% more than our STD puller. The two-speed motor pulls up to 30 feet per minute at high speed and up to 15 feet per minute at low speed.

The CableGlider HD comes with a heavy-duty frame and extra pivoting arm. The front frame height can easily be adjusted with pins.

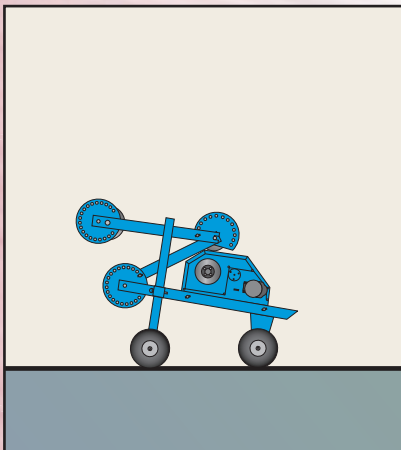
CableGlider HD includes the following items:

- Puller
- Foot switch
- Retaining Fork
- Conduit Adapters - 2" [51 mm], 3" [76 mm], 3½" [89 mm], 4" [102 mm]
- Tool box for the accessories

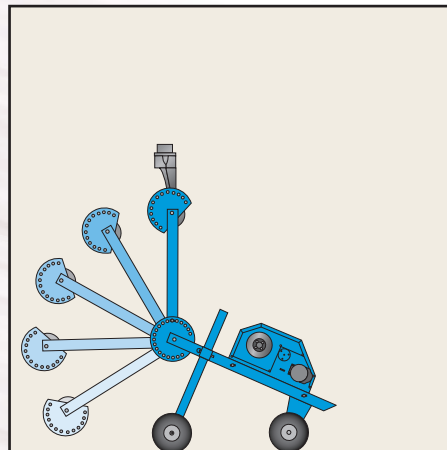


POWER CABLE
INSTALLATION

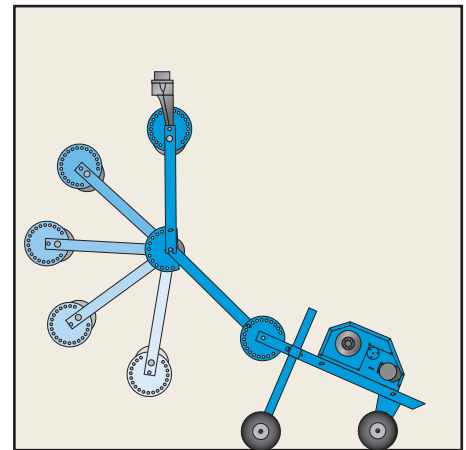
CableGlider HD Typical Applications



TRANSPORT POSITION



FIRST PIVOTING ARM



SECOND PIVOTING ARM