



FIBER OPTIC CABLE BLOWING METHOD

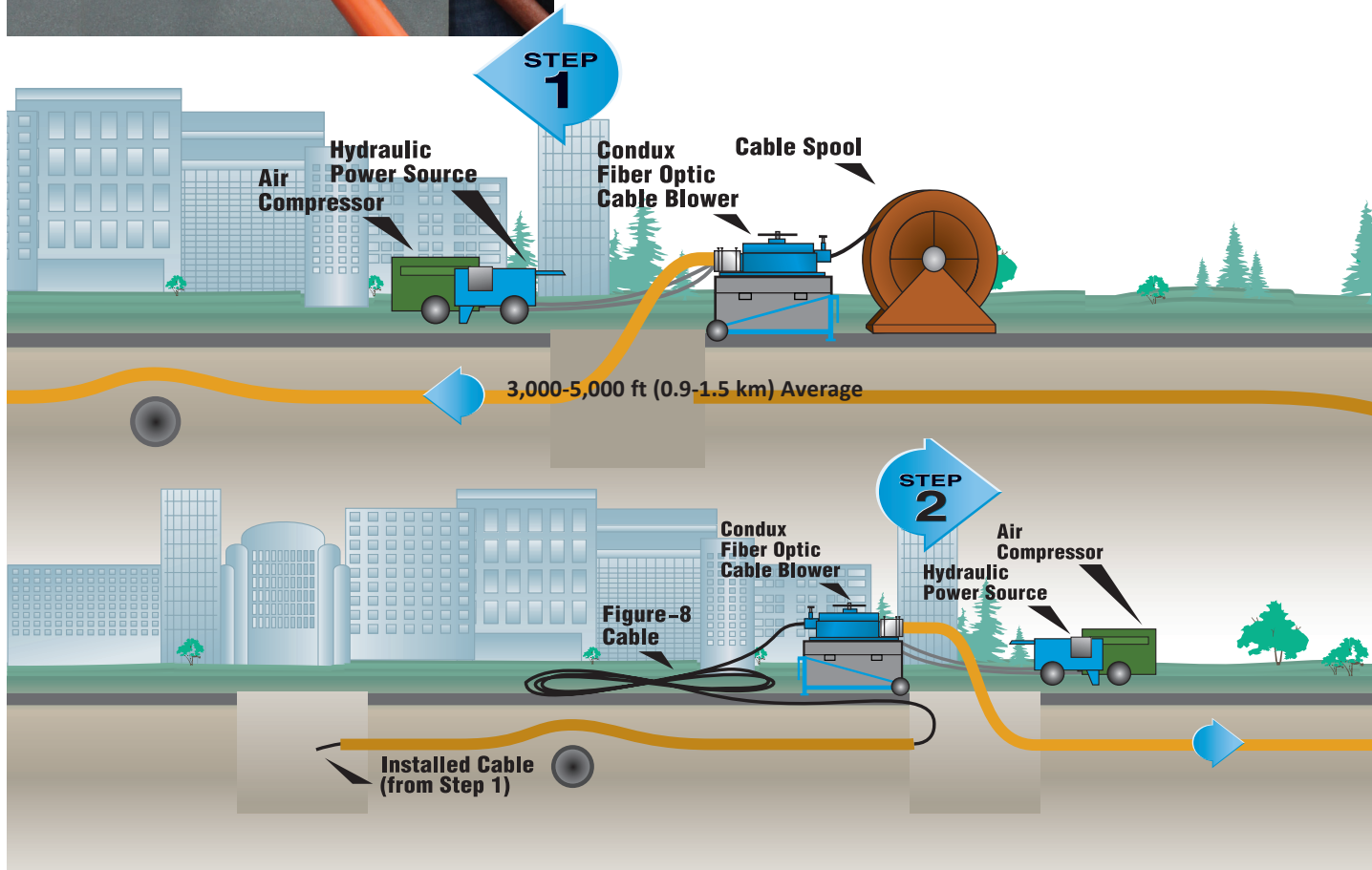


An Efficient Method

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

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

Blowing minimizes the stress placed on cable during installation. Because the cable blower provides both pulling and pushing force, stress is more evenly distributed along the length of the cable.





FIBER OPTIC CABLE BLOWING METHOD

Blowing vs. Pulling

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

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

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

How To: The Typical Process

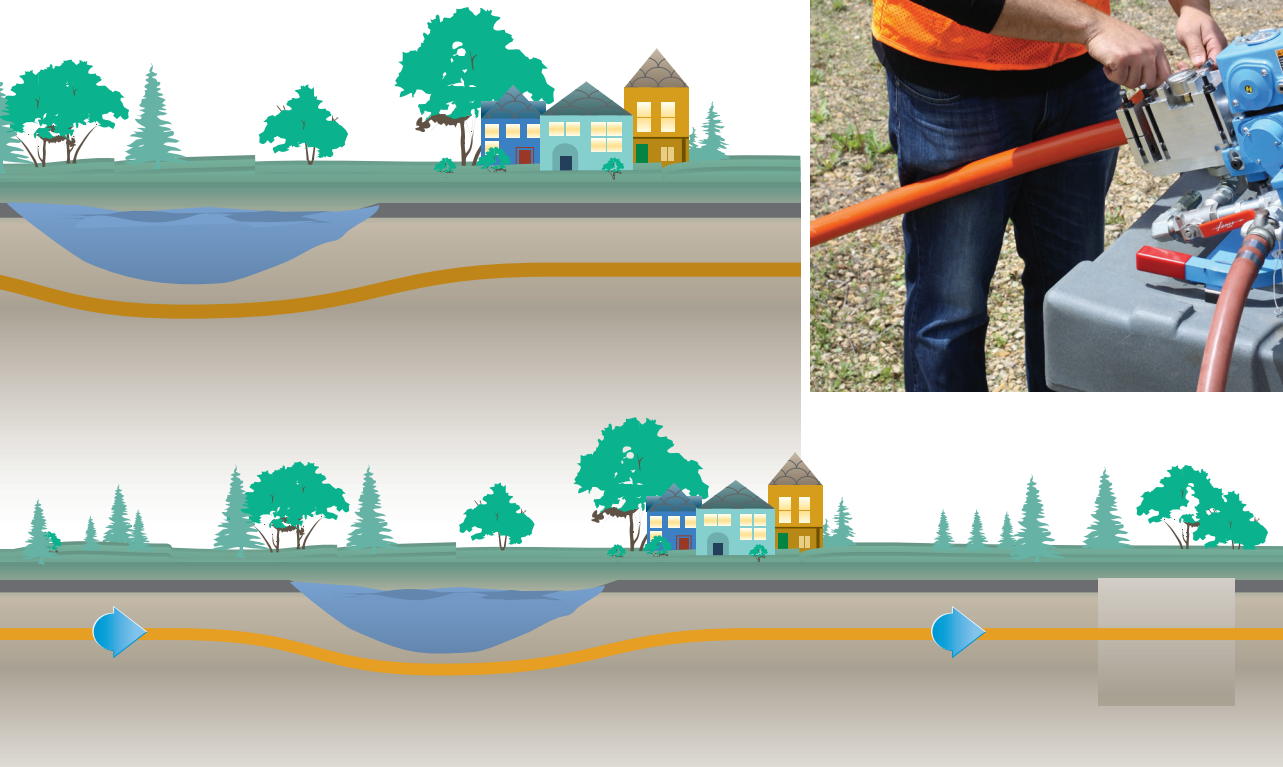
The typical cable blowing process consists of several steps. **First**, the duct integrity is checked. It is pressurized to check for leaks. In order to ensure a successful installation, the duct must be airtight and free of obstruction. Then a small amount of lubricant is poured in the duct and a foam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

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

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

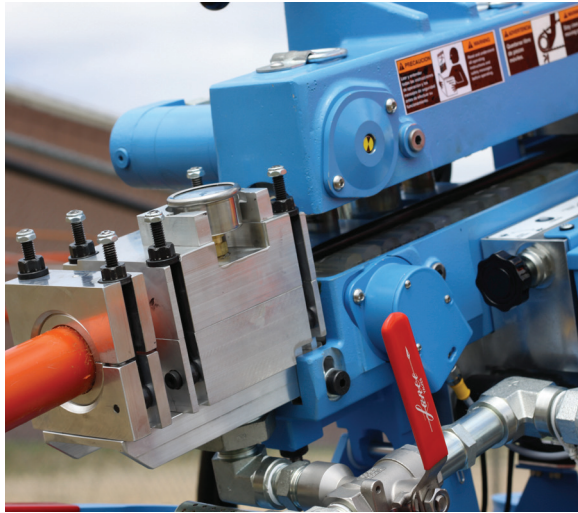
Fourth, the blowing process begins. Pressure (compressed air) is applied to the duct behind the cable carrier. As the pressure tries to equalize, it seeks out the path of least resistance and creates a pushing force on the cable carrier, causing forward motion. The moving cable carrier, in turn, exerts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

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





GULFSTREAM™ 400



Gulfstream 400 Fiber Blower

The Condux Gulfstream™ 400 Fiber Optic Cable Blower is ideal for Fiber Installations

As a leader in the manufacture of cable installation tools and equipment, Condux offers a superior Fiber Optic Cable Blower that is compact and lightweight, making it ideally suited for your most difficult job sites.

Fast

Install fiber optic cable up to 300 fpm (100 mpm) (recommended 180-220 fpm (55-67 mpm)). A carrier can be attached to the front of the cable to help propel the fiber down an air-tight sealed duct. Because air flow and belt drive speed can be adjusted, you can install fiber at the rate which best suits your application.

Total Control

The Condux Gulfstream 400 Fiber Optic Cable Blower features a long belt grip area for less stress on the cable, and a manual cylinder on the belt feed to better control down pressure. Condux's patented traction control system shuts down the blower when problems with cable slippage or duct blockage are detected, adding safety to every job and preventing costly cable damage.

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

Versatility

The Condux Gulfstream 400 Fiber Optic Cable Blower operates efficiently with most common combinations of cable and innerduct sizes. The Condux Gulfstream 400 Fiber Optic Cable Blower is designed for the installation of fiber optic cables with diameters from 0.23" (5.8 mm) to 1.13" (28.7 mm) into micro duct 10 mm to 18 mm and traditional innerduct ½" (13 mm) to 2" (51 mm) with metric sizes available.

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

Use the charts on page 104-105 to determine the correct size components for your specific cable and innerduct installation project.





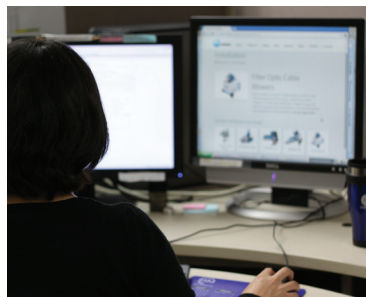
GULFSTREAM™ 400



FIBER CABLE INSTALLATION

Superior Service & Support

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



Smart Design, Easy to Operate

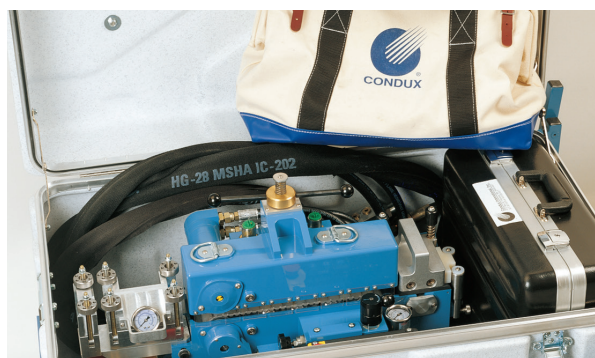
Convenient tilting of the Condux Gulfstream 400 Fiber Optic Cable Blower for ease of pouring in lubricant. Easily install cable into belt, then close and you are ready to start.

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



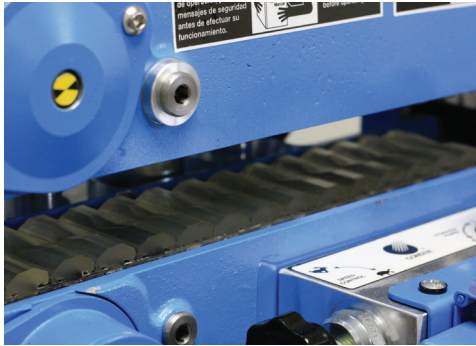
Lightweight & Portable, Everything's Inside

The Condux Gulfstream 400 Fiber Optic Cable Blower is extremely easy to handle and transport. The blower and all accessories including hydraulic hoses, cable and conduit packs and seal kits conveniently fit into a lightweight job box with wheels.





GULFSTREAM™ 400



Belt Drive

Single belt drive provides for smooth and quiet operation. The belt can be easily removed and replaced making maintenance fast and simple.

Part Number	Description
08780904	Gulfstream 400 Replacement Belt

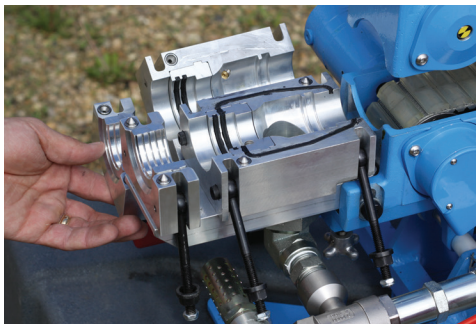


Advanced Electronic Controls

Standard system monitors and displays the cable and belt drive speeds. When using traction control it will automatically shut off the blower in these conditions:

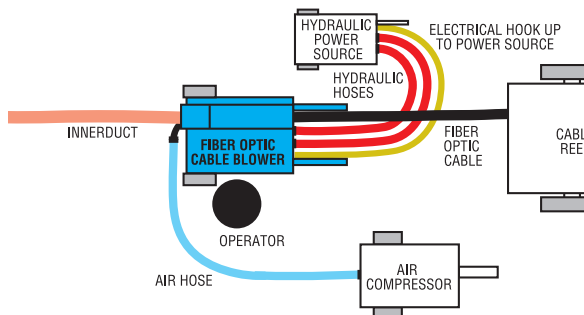
- Over pressure limit
- Slippage
- Cable stoppage

Part Number	Description
08781020	Electronic Control Box
08781022	Electronic Control Box & Transducer Update
08781023	Transducer
02290843	ECB Fuse



Hinged Air Block & Conduit Clamp

The Condux Fiber Optic Cable Blower features a hinged air block and a hinged conduit clamp that are easily secured and opened with the use of a ratchet.



Dual Power System

Designed to operate with two power supplies that work in tandem in order to produce the most steady, efficient and reliable power to blow cable. A hydraulically-powered belt drive supplements the pressurized air force, thus decreasing the CFM requirements of the air compressor. This means greater cable blowing efficiency using a much smaller air compressor.

Part Number	Description
08780384	Hydraulic Hose with flow control manifold



CONDEX

The Condux Gulfstream™ 400 Fiber Optic Cable Blower is easy to order. The base unit comes complete with a job box, hydraulic hoses and everything listed below in the "Common Parts Kit." Complete the order by specifying the cable pack(s) and duct pack(s) necessary to meet your exact job requirements. See pages 104-105 for full descriptions. You may order additional cable and duct packs at any time.

Part Number	Description
08782000	Fiber Optic Cable Blower
08782000INTL	Fiber Optic Cable Blower w/ Int'l Fittings
08782010	Fiber Optic Cable Blower Package 1A (includes Cable Packs #1-7 and Duct Packs #2-5)
08782008	Fiber Optic Cable Blower Package 1B (includes Cable Packs #1-7 and Duct Packs #4, 5, 6)

Mechanical Version (No Electronic Control Box or Sensors)

Part Number	Description
08782004	Fiber Optic Cable Blower
08782004INTL	Fiber Optic Cable Blower w/Int'l Fittings
08782046	Fiber Optic Cable Blower Package 2A (includes Cable Packs #1-7 and Duct Packs #2-5)
08782048	Fiber Optic Cable Blower Package 2B (includes Cable Packs #1-7 and Duct Packs #4, 5, 6)
08782054	Fiber Optic Cable Blower Package 2C (includes Cable Packs #1-7 and Duct Packs #9, 10, 14)
08782056	Fiber Optic Cable Blower Package 2D (includes Cable Packs #1-7 and Duct Packs #14, 15, 17)

Select your Cable Pack(s): (minimum one required)

Cable Packs include Cable Grips (for end of cable), Pneumatic Venturies and Cable Seals. See page 105 for ordering information.

Part Number	Description
08780393	Cable Pack #1 — 0.23-0.34 in (5.8-8.8 mm)
08780394	Cable Pack #2 — 0.35-0.48 in (8.9-12.2 mm)
08780512	Cable Pack #3 — 0.49-0.60 in (12.4-15.2mm)
08780395	Cable Pack #4 — 0.61-0.73 in (15.3-18.5 mm)
08780513	Cable Pack #5 — 0.74-0.85 in (18.8-21.6mm)
08780396	Cable Pack #6 — 0.86-0.97 in (22.0-24.5 mm)
08780514	Cable Pack #7 — 0.98-1.13 in (24.9-28.7 mm)
08781117	Cable Pack #8 — 10.4 x 5.5 mm (Nylatron Venturi for flat fiber cables)
08781118	Cable Pack #9 — 15.2 x 6.7 mm (Nylatron Venturi for flat fiber cables)

Select your Duct Pack(s): (minimum one required)

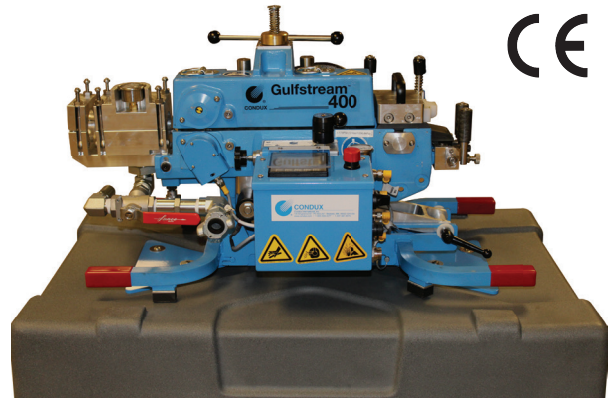
Duct Packs include Cable Grip (for end of innerduct), Cable Carrier, Innerduct Clamps, Innerduct Seals, Innerduct Pulling Eye & Foam Carriers. See page 104 for ordering information.

Part Number	Description
08780795	Duct Pack #1 — .5" SDR 11/13.5
08780680	Duct Pack #2 — .75" (27 mm) SDR 11/13.5
08780386	Duct Pack #3 — 1" SDR 11/13.5
08780392	Duct Pack #4 — 1.25" SDR 11/13.5
08780397	Duct Pack #5 — 1.5" SDR 11/13.5
08780930	Duct Pack #6 — 2" SDR 11/13.5
08781120	Duct Pack #7 — 20 mm
08781153	Duct Pack #8 — 22 mm
08780240	Duct Pack #9 — 25 mm
08780385	Duct Pack #10 — 32 mm
08780387	Duct Pack #11 — 36 mm
08780388	Duct Pack #12 — 37 mm
08780389	Duct Pack #13 — 1.25" TRUE
08780390	Duct Pack #14 — 40 mm
08780391	Duct Pack #15 — 42 mm
08780545	Duct Pack #16 — 44 mm
08780575	Duct Pack #17 — 50 mm

GULFSTREAM™ 400



FIBER CABLE INSTALLATION



Common Parts Kit:

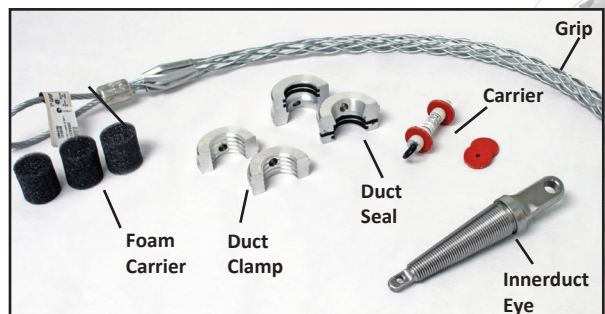
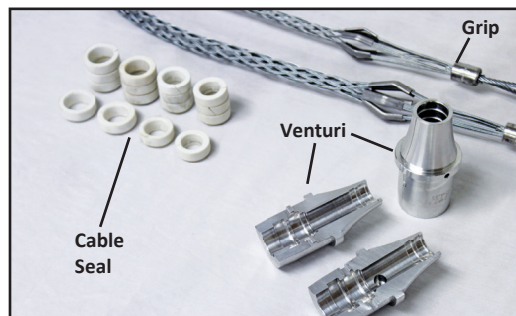
(included with all blower units)

Part Number	Description
08780120	Common Parts Kit (included with all ECB units)
08780952	Common Parts Kit (for Mechanical Version)

Kits include the following:

02290222	Small Case
08780506	Foam Insert for Small Case
02284600	Small Divided Case
02288774	Parts Label for Small Divided Case
08780126	O-Ring Seal Kit
02286416*	2 Pin Extension Cord
08230800	Canvas Bag
08017000	5/8" x 600 lb Swivel (16 mm x 2,669 N)
08780424	Capscrew Set (12-M04-07)
08761248*	Power Cord Assembly with Lighter Plug
02289620	Wrench, 3/4"
02290168	Standard & Metric Hex Key Set
02283800	Hex Ball Driver 3/32"
02288787	Hex Ball-Point Driver 2.5mm
02291090	9/16" Comb-Ratchet Wrench
08780223	Venturi Air Plug (Seal Disk)

*Not included in kit 08780952





GULFSTREAM™ 400 DUCT PACKS

Gulfstream 400 & Mini-Blower Pusher Duct Packs

FIBER CABLE INSTALLATION

Pack	Duct Pack		Duct Clamp		Duct Seal		Carrier		Foam Carrier		Cable Grip		Innerduct Eye
	Duct Size	Part Number	Duct OD (mm)	Part Number	Duct OD (mm)	Part Number	Carrier OD (mm)	Part Number	Carrier OD (mm)	Part Number	Duct OD (mm)	Part Number	
1	1/2" SDR 11-13.5	08780795	0.840" (21.3)	08780791	0.840" (21.3)	08780786	0.688" (17.50)	08780793	0.75" (19.0)	08078300	0.75-0.99" (19-25)	08643131	08913342 .71-.77" (18-20)
2	3/4" SDR 11-13.5	08780680	1.050" (26.6)	08780682	1.050" (26.6)	08780685	0.750" (19.0)	08780690	0.75" (19.0)	08078300	1.00-1.24" (25.4-31.5)	08643137	08761840 .71-.87" (18-22)
3	1" SDR 11/13.5	08780386	1.315" (33.4)	08780369	1.315" (33.4)	08780307	1.121" (28.5)	08761250	1.25" (31.8)	08761439	1.25-1.49" (32-38)	08643143	08913343 .75-1.00" (19-25)
4	1.25" SDR 11/13.5	08780392	1.660" (42.2)	08780375	1.660" (42.2)	08780051	1.414" (35.9)	08761255	1.50" (38.1)	08761440	1.50-1.99" (38.1-50.5)	08643149	08761842 1.06-1.43" (27-36)
5	1.5" SDR 11/13.5	08780397	1.900" (48.3)	08780404	1.900" (48.3)	08780398	1.618" (41.1)	08761260	1.75" (44.5)	08761441	1.50-1.99" (38.1-50.5)	08643149	08761844 1.37-1.68" (35-43)
6	2" SDR 11/13.5	08780930	08780920 2" Duct Adapter				2.023" (51.4)	08761265	2.00" (50.8)	08761442	2.00-2.49" (50.8-63.2)	08643155	08761846 1.80-2.19" (46-56)
7	20mm	08781120	0.787" (20.0)	08781122	0.787" (20.0)	08781121	0.688" (17.5)	08780793	1.00" (25.4)	08761444	0.75-0.99" (19.0-25.1)	08643131	08914007 .551-.813" (14-20)
8	22mm	08781153	0.866" (22.0)	08781154	0.866" (22.0)	08781155	0.688" (17.5)	08780793	1.00" (25.4)	08761444	0.75-0.99" (19.0-25.1)	08643131	08914007 .551-.813" (14-20)
9	25mm	08780240	0.984" (25.0)	08780099	0.984" (25.0)	08780134	0.787" (20.0)	08780230	1.25" (31.8)	08761439	1.25-1.49" (31.8-37.8)	08643137	08761840 .71-.87" (18-22)
10	32mm	08780385	1.260" (32.0)	08780368	1.260" (32.0)	08780306	1.063" (27.0)	08761560	1.25" (31.8)	08761439	1.25-1.49" (31.8-37.8)	08643143	08761842 1.06-1.43" (27-37)
11	36mm	08780387	1.417" (36.0)	08780370	1.417" (36.0)	08780308	1.181" (30.0) 1.220" (31.0)	08761643 08761555	1.25" (31.8)	08761439	1.25-1.49" (31.8-37.8)	08643143	08761842 1.06-1.43" (27-37)
12	37mm	08780388	1.457" (37.0)	08780371	1.457" (37.0)	08780309	1.220" (31.0)	08761555	1.25" (31.8)	08761439	1.25-1.49" (31.8-37.8)	08643143	08761842 1.06-1.43" (27-37)
13	1.25" TRUE	08780389	1.500" (38.1)	08780372	1.500" (38.1)	08780333	1.250" (31.7)	08761670	1.50" (38.1)	08761440	1.25-1.49" (31.8-37.8)	08643143	08761842 1.06-1.43" (27-37)
14	40mm	08780390	1.575" (40.0)	08780373	1.575" (40.0)	08780334	1.299" (33.0)	08761525	1.50" (38.1)	08761440	1.50-1.99" (38.1-50.5)	08643149	08761842 1.06-1.43" (27-37)
15	42mm	08780391	1.653" (42.0)	08780374	1.653" (42.0)	08780335	1.378" (35.0)	08761660	1.50" (38.1)	08761440	1.50-1.99" (38.1-50.5)	08643149	08761844 1.37-1.68" (35-43)
16	44mm	08780545	1.732" (44.0)	08780546	1.732" (44.0)	08780547	1.496" (38.0)	08761786	1.50" (38.1)	08761440	1.50-1.99" (38.1-50.5)	08643149	08761844 1.37-1.68" (35-43)
17	50mm	08780575	1.969" (50.0)	08780435	1.969" (50.0)	08780431	1.606" (40.0)	08761579	2.00" (50.8)	08761442	1.50-1.99" (38.1-50.5)	08643149	08761844 1.37-1.68" (35-43)

Micro Duct Packs: Gulfstream™ 400 & Mini-Blower/Pusher

Duct Size OD (MM)	Part Number	Duct Clamp	Duct Seal	End Stop Connector
10	08764140	08764142	08764143	08566325
12	08764110	08764112	08764113	08566327
12.7	08764150	08764151	08764153	08566338
14	08764120	08764122	08764123	08566328
16	08764130	08764132	08764133	08566329
18	08781110	08781106	08781101	08566334





GULFSTREAM™ 400 CABLE PACKS



Gulfstream 400 Cable Packs

Pack	Cable Pack		Venturi		Cable Seal		Cable Grip	
	Cable OD	Part Number	Cable OD	Part Number	Cable OD	Part Number	Cable OD	Part Number
1	0.23" - 0.34" (5.8 - 8.8 mm)	08780393 Pack #1	0.23" - 0.34" (5.8 - 8.8 mm)	08780281	0.23" - 0.28" (5.8 - 7.2 mm)	08780406	0.21" - 0.35" (5.3 - 8.9 mm)	08643754
					0.29" - 0.34" (7.3 - 8.8 mm)	08780407		
2	0.35" - 0.48" (8.9 - 12.2 mm)	08780394 Pack #2	0.35" - 0.48" (8.9 - 12.2 mm)	08781115	0.35" - 0.42" (8.9 - 10.7 mm)	08761424	0.32" - 0.48" (8.1 - 12.2 mm)	08643755
					0.43" - 0.48" (10.8 - 12.2 mm)	08761425		
3	0.49" - 0.60" (12.3 - 15.2 mm)	08780512 Pack #3	0.49" - 0.60" (12.3 - 15.2 mm)	08781116	0.49" - 0.55" (12.3 - 14.0 mm)	08761426	0.42" - 0.61" (10.7 - 15.5 mm)	08643756
					0.56" - 0.60" (14.1 - 15.2 mm)	08761427		
4	0.61" - 0.73" (15.3 - 18.5 mm)	08780395 Pack #4	0.61" - 0.73" (15.3 - 18.5 mm)	08780284	0.61" - 0.67" (15.3 - 17.0 mm)	08761428	0.53" - 0.74" (13.5 - 18.8 mm)	08643757
					0.68" - 0.73" (17.1 - 18.5 mm)	08761429		
5	0.74" - 0.85" (18.6 - 21.6 mm)	08780513 Pack #5	0.74" - 0.85" (18.6 - 21.6 mm)	08780285	0.74" - 0.79" (18.6 - 20.1 mm)	08761430	0.64" - 0.87" (16.3 - 22.1 mm)	08643758
					0.80" - 0.85" (20.2 - 21.8 mm)	08761431		
6	0.86" - 0.97" (21.7 - 24.6 mm)	08780396 Pack #6	0.86" - 0.97" (21.7 - 24.6 mm)	08780286	0.86" - 0.92" (21.7 - 23.4 mm)	08761432	0.75" - 1.00" (19.1 - 25.4 mm)	08643759
					0.93" - 0.97" (23.5 - 24.6 mm)	08761433		
7	0.98" - 1.13" (24.7 - 28.7 mm)	08780514 Pack #7	0.98" - 1.13" (24.7 - 28.7 mm)	08780446	0.98" - 1.04" (24.7 - 26.4 mm)	08761434	1.00" - 1.24" (25.4 - 31.5 mm)	08643137
					1.05" - 1.13" (26.5 - 28.7 mm)	08761435		
8	10.4 x 5.5 mm	08781117	(Nylatron venturi for flat fiber cables)					
9	15.2 x 6.7 mm	08781118	(Nylatron venturi for flat fiber cables)					

Compressed Air Recommendations

For best installation results, we recommend a 375 CFM compressor or larger with at least 100 psi. A compressed air water separator and aftercooler are also highly recommended-- whether built-in to the compressor or as an additional unit in line between the compressor and fiber blower.

FIBER CABLE INSTALLATION





GULFSTREAM™ 400 MICRODUCT ACCESSORIES



Kit Includes:
 Pressure gauge
 Universal claw adapter

Micro Duct Pressure Gauge Kit

Use the Micro Duct Pressure Gauge Kit in conjunction with Air Valve Plugs for pressurizing Micro Duct to prevent kinking and crushing during installation. (Required and sold separately from Micro Duct Installation Kits)

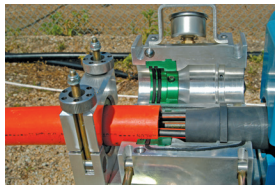
Part Number	Description
08780705	Micro Duct Pressure Gauge
08780705INTL	Micro Duct Pressure Gauge, international



Multiple Micro Duct Installation Kits

Condux Multiple Micro Duct Installation Kits allow you to install up to 5 - 10/8 micro ducts, 4 - 12/10 micro ducts or other multiple micro duct configurations into an existing innerduct when used with the Condux Gulfstream™ 400 Fiber Optic Cable Blower. Microduct pressure gauge kit is required (sold separately).

Part Number	Description
08780710	10/8 mm Multiple Micro Duct Installation Kit
08780712	12/10 mm Multiple Micro Duct Installation Kit
08780770	12.7 mm Multiple Micro Duct Installation Kit
08780797	16 mm Multiple Micro Duct Installation Kit
08780878	14/10 mm Multiple Micro Duct Installation Kit
08780747	1-16 mm & 2-12/10 mm Multiple Micro Duct Installation Kit
08780723	Flat Belt for Flat Fiber



10/8 mm Kit (up to 5)	
Part Number	Description
08645705	Cable Grip
08780720	Lower Belt
08780721	Upper Belt
08780724	Rear Guide Assembly
08780735	5-Hole Venturi
08780739	Venturi Plugs
08780740	Duct-Fill Plugs
08780741	Duct-Cap Plugs
08780742	Rear Guide
08780748	Proofing Balls

12/10 mm Kit (up to 4)	
Part Number	Description
08645705	Cable Grip
08780722	Lower Belt
08780722	Upper Belt
08780724	Rear Guide Assembly
08780725	4-Hole Venturi
08780729	Venturi Plugs
08780730	Duct-Fill Plugs
08780731	Duct-Cap Plugs
08780732	Rear Guide
08780750	Proofing Balls

12.7 mm Kit (up to 4)	
Part Number	Description
08645705	Cable Grip
08780722	Lower Belt
08780722	Upper Belt
08780724	Rear Guide Assembly
08780732	Rear Guide
08780750	Proofing Balls
08780771	4-Hole Venturi
08780772	Venturi Plugs
08780774	Duct-Cap Plugs
08780776	Duct-Fill Plugs



16 mm Kit (up to 2)	
Part Number	Description
08645710	Cable Grip
08783383	Proofing Balls
08780721	Upper Belt
08780723	Lower Belt
08780796	2-Hole Venturi
08780734	Rear Guide
08780743	Duct-Fill Plugs
08780745	Duct-Cap Plugs
08780724	Rear Guide Assembly

14/10 mm Kit (up to 3)	
Part Number	Description
08645710	Cable Grip
08783382	Proofing Balls
08780883	Upper Belt
08780882	Lower Belt
08780879	3-Hole Venturi
08780886	Rear Guide
08780730	Duct-Fill Plugs
08780731	Duct-Cap Plugs
08780724	Rear Guide Assembly

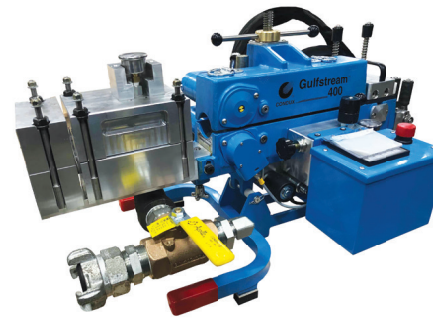
1-16 mm & 2-12/10 mm Kit	
Part Number	Description
08645710	Cable Grip
08017000	Swivel
08783383	Proofing Balls 16/13
08783382	Proofing Balls 12/10
08780733	3-Hole Venturi
08780734	Rear Guide
08780743	Duct-Fill Plugs 16/13
08780745	Duct-Cap Plugs 16/13
08780730	Duct-Fill Plugs 12/10
08780731	Duct-Cap Plugs 12/10
08780724	Rear Guide Assembly



GULFSTREAM™ 400 ACCESSORIES

Gulfstream™ 400 High Density Fiber Conversion Kit

With installation of the Gulfstream 400 High Density Fiber Conversion Kit on a Gulfstream 400 Fiber Blower, the blower is capable of installing large diameter ultra-high density OSP fiber into HDPE duct. The larger air block can accommodate 1" - 2" innerduct and fiber cable ranging from 0.49" to 1.54" (12.4 to 39.1 mm).



Conversion Kit

Part Number	Description
08782625	Gulfstream 400 High Density Fiber Conversion Kit

Duct Packs (minimum of one required)

Part Number	Description
08761370	Duck Pack - 1" SDR 11/13.5
08761375	Duck Pack - 1.25" SDR 11/13.5
08761380	Duck Pack - 1.5" SDR 11/13.5
08761385	Duck Pack - 2" SDR 11/13.5

Cable Packs (minimum of one required)

Part Number	Description
08782638	0.49"-0.60" (12.4-15.3 mm)
08782637	0.61"-0.73" (15.4-18.5 mm)
08782636	0.74"-0.85" (18.6-21.6 mm)
08782635	0.86"-0.97" (21.7-24.6 mm)
08782634	0.98"-1.13" (24.7-28.7 mm)
08782633	1.14"-1.25" (28.8-31.8 mm)
08782632	1.26"-1.34" (31.9-34.0 mm)
08782631	1.35"-1.54" (34.1-39.1 mm)

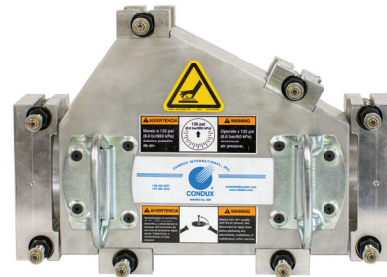
Y-Block

The Condux "Y"-Block is designed for installing a micro duct or fiber cable into an existing occupied duct, when coupled to the Gulfstream 400 Fiber Optic Cable Blower.

Part Number	Description
08761850	Y-Block

Common Parts Package: (Included with all Y-Blocks).

Part Number	Description
02283800	All Wrench ³ / ₃₂
02283900	Socket Hex Deep Well ¹¹ / ₁₆ "
02284000	Ratchet, ³ / ₈ " Drive 6.75 in Long
08761443	Seal Kit Replacement
08761868	Inflatable Shuttle for 1.00-1.25
08761869	Inflatable Shuttle for 1.50-2.00
08761884	Cable Seal for .35-.50 Cable
08761885	Cable Seal for .51-.90 Cable
08761438	Capscrew Set



Y-Block Duct Packs (sold separately)

(Each duct pack comes with 2-seals & 2-clamps).

Part Number	Description	Duct OD
08761386	Y Block Duct Pack - 1.315 (33.4)	1.315"
08761826	Y Block Duct Pack - 1.570 (40.0)	1.570"
08761387	Y Block Duct Pack - 1.660 (42.2)	1.660"
08761388	Y Block Duct Pack - 1.900 (48.3)	1.900"
08761389	Y Block Duct Pack - 2.375 (60.3)	2.375"

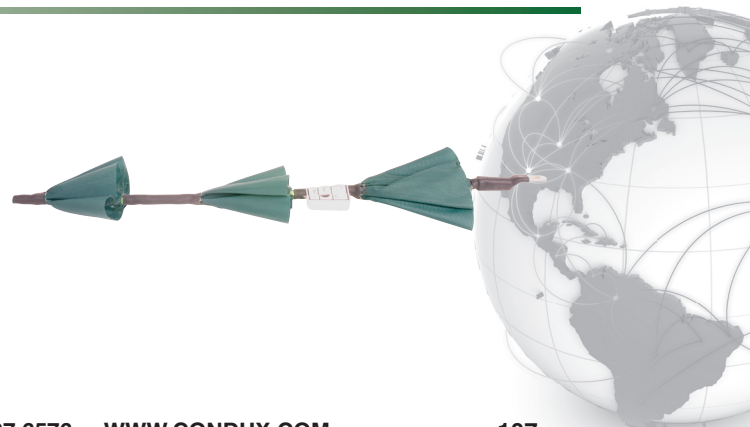
Features & Benefits

- Portable
- Easy to Use
- Duct Range 1.315" – 2.375" (33 mm - 60 mm) OD
- Cable Seal Range 0.35" – 0.90" (9 mm - 23 mm) OD
- Aluminum Construction
- Built-in Carrying Handles
- Canvas Storage Bag

Low PSI Shuttles

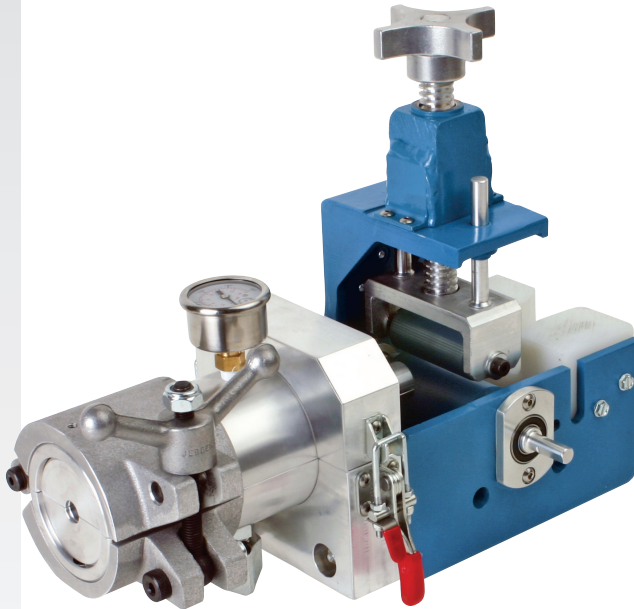
These unique, flexible shuttles are available in triple parachute configuration, making rope, pull tape and fiber optic cable installation in occupied duct a breeze. These shuttles can be used on their own or in series allowing for up to six parachutes to capture the air within the conduit, which can help increase installation distances. The parachutes collapse without constant air pressure allowing for easy pullback. Rated for 3 psi.

Part Number	Duct Size	
	(in)	(mm)
08761868	1.00-1.25	25-32
08761869	1.50-2.00	38-50





MINI-BLOWER PUSHER



Mini-Blower/Pusher

The Mini-Blower/Pusher from Condux is the lightweight, portable solution for easy installation of micro fiber and traditional fiber optic cable. The compact unit is ideally suited for your most difficult job sites and "last mile" fiber installations.

Backed by years of fiber blowing experience, the Mini-Blower/Pusher is designed for the installation of fiber optic cables with diameters from 0.23" (5.8 mm) to 0.50" (12.7 mm) into micro duct 10 mm to 18 mm or traditional duct from 0.50" (12.7 mm) to 2" (50.8 mm).

Part Number	Description
08780800	Mini-Blower/Pusher
08780801	Mini-Blower/Pusher Job Box with Kit for 12 mm & 12.7 mm duct and includes cable packs 1 & 2 in the Mini-Blower/Pusher cable pack chart on page 109 (08780802, 08780804)
08780865	Mini-Blower/Pusher Job Box with Kit for 3/4" & 1 1/4" duct and includes cable packs 1, 2 & 3 in the Mini-Blower/Pusher cable pack chart on page 109 (08780802, 08780804, 08780806)
08780860	Job Box Only

Replacement Parts

Part Number	Description
08081320	Flat Roller for Flat Fiber
08081319	V-Grooved Roller Bottom
08081313	Top Roller Sleeve



! See page 109 for Cable Packs and page 104 for Duct Packs.



Heavy Duty Tripod

The Mini-Blower/Pusher mounts easily to the surveyor style tripod, which adds stability and versatility to fiber optic cable installations.

Part Number	Description
08780850	Heavy Duty Tripod



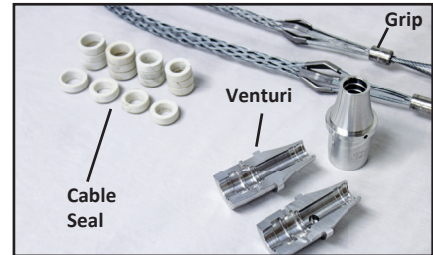


MINI-BLOWER PUSHER ACCESSORIES



Cable Packs: Mini-Blower/Pusher

Pack	Cable Pack		Venturi		Cable Seal		Cable Grips
	Cable OD	Part Number	Cable OD	Part Number	Cable OD	Part Number	Part Number
1	0.23" - 0.34" (5.8 mm - 8.8 mm)	08780802	0.23" - 0.34" (5.8 - 8.8)	08780803	0.23" - 0.28" (5.8 - 7.2)	08780406	08643754
					0.29" - 0.34" (7.3 - 8.8)	08780407	
2	0.35" - 0.48" (8.9 mm - 12.2 mm)	08780804	0.35" - 0.48" (8.9 - 12.2)	08780805	0.35" - 0.42" (8.9 - 10.7)	08761424	08643755
					0.43" - 0.48" (10.8 - 12.2)	08761425	
3	0.49" - 0.60" (12.3 mm - 15.2 mm)	08780806	0.49" - 0.60" (12.3 - 15.2)	08780807	0.49" - 0.55" (12.3 - 14.0)	08761426	08643756
					0.56" - 0.60" (14.1 - 15.2)	08761427	
4	(10.4 mm x 5.5 mm)	08781117	Nylatron Venturi for Flat Fiber Optic Cables				
5	(15.2 mm x 6.7 mm)	08781118	Nylatron Venturi for Flat Fiber Optic Cables				



(See page 104 for Duct Packs)

FIBER CABLE INSTALLATION

Polywater® Prelube 5000™

Polywater® Prelube 5000™ is more concentrated than the Prelube 2000™. It is intended for blowing microcable into small diameter microtubes. The improved chemistry allows this product to spread further and reduce friction levels. The lower viscosity allows practical application into the microtubes.



Part Number	Description	Min. Order Qty.
08230675	Polywater® Prelube 5000™ 8 oz Bottle	6 Bottles





GULFSTREAM™ 350



(20-Volt DeWalt battery & charger not included with blower)

Gulfstream™ 350 Blower

The new Condux Gulfstream 350 Fiber Optic Cable Blower is all pneumatic and comes complete with a convenient storage case. With the ability to install fiber from 0.16" - 0.62" (4 - 16 mm) into duct ranging from 0.50" - 1.25" (8 - 42 mm), the Gulfstream 350 provides a mechanical counter, speed indicator, and maximum belt visibility. Complete the order with cable packs and duct packs on page 120 and 121 to meet the exact job requirements.

Gulfstream™ 350 Micro Fiber Blower

Part Number	Description
08784601	Gulfstream 350™ Pneumatic Blower
08784605	Gulfstream 350E™ Pneumatic Blower with Recording
02292142	Work Folding Table (21.7 x 33.5 x 29.7 in)

Gulfstream 350 Cable Packs

Cable Pack		Venturi		Cable Seal		Cable Grip	
Cable OD	Part Number	Cable OD	Part Number	Cable OD	Part Number	Cable OD	Part Number
0.16" - 0.18" (4.0 - 4.5 mm)	08781160	0.16" - 0.18" (4.0 - 4.5 mm)	08781165	4.0 mm	08780960K	0.10" - 0.22" (2.5 - 5.6 mm)	08643753
				4.5 mm	08780961K		
0.18" - 0.31" (4.6 - 8.0 mm)	08781161	0.18" - 0.31" (4.6 - 8.0 mm)	08781166	5.0 mm	08780962K	0.10" - 0.22" (2.5 - 5.6 mm)	08643753
				5.5 mm	08780963K		
				6.0 mm	08780964K		
				6.5 mm	08780965K	0.21" - 0.35" (5.3 - 8.9 mm)	08643754
				7.0 mm	08780966K		
				7.5 mm	08780967K		
0.32" - 0.47" (8.1 - 12.0 mm)	08781162	0.32" - 0.47" (8.1 - 12.0 mm)	08781167	8.0 mm	08780968K	0.32" - 0.48" (8.1 - 12.2 mm)	08643755
				8.5 mm	08780969K		
				9.0 mm	08780970K		
				9.5 mm	08780971K		
				10.0 mm	08780972K		
				10.5 mm	08780973K		
0.48" - 0.61" (12.1 - 15.5 mm)	08781163	0.48" - 0.61" (12.1 - 15.5 mm)	08781168	11.0 mm	08780974K	0.42" - 0.61" (10.7 - 15.5 mm)	08643756
				11.5 mm	08780975K		
				12.0 mm	08780976K		
				12.5 mm	08780977K		
				13.0 mm	08780978K		
				13.5 mm	08780979K		
0.61" - 0.65" (15.6 - 16.5 mm)	08781164	0.61" - 0.65" (15.6 - 16.5 mm)	08781169	14.0 mm	08780980K	0.53" - 0.74" (13.5 - 18.8 mm)	08643757
				14.5 mm	08780981K		
				15.0 mm	08780982K		
				15.5 mm	08780983K		
16.0 mm	08780984K			16.5 mm	08780985K		
10.4 x 5.5 mm	08781117	(Nylatron venturi for flat fiber cables)					
15.2 x 6.7 mm	08781118	(Nylatron venturi for flat fiber cables)					

Gulfstream 350 Duct Packs

Duct Size OD (MM)	Part Number	Duct Clamp	Duct Seal	End Stop Connector
8	08764160	08764162	08764163	08566336
8.5	08764175	08764169	08764171	08566323
10	08764140	08764142	08764143	08566325
12	08764110	08764112	08764113	08566327

Duct Size OD (MM)	Part Number	Duct Clamp	Duct Seal	End Stop Connector
12.7	08764150	08764151	08764153	08566338
14	08764120	08764122	08764123	08566328
16	08764130	08764132	08764133	08566329
18	08781110	08781106	08781101	08566334



CONDUX
Gulfstream 350 Duct Packs (continued)

Duct Pack		Duct Clamp		Duct Seal		Carrier		Foam Carrier		Cable Grip		Innerduct Eye
Duct Size	Part Number	Duct OD (mm)	Part Number	Duct OD (mm)	Part Number	Carrier OD (mm)	Part Number	Carrier OD (mm)	Part Number	Duct OD (mm)	Part Number	Part Number and ID Range (mm)
1/2" SDR 11-13.5	08780795	0.840" (21.3)	08780791	0.840" (21.3)	08780786	0.688" (17.50)	08780793	0.75" (19.0)	08078300	.75-.99" (19-25)	08643131	08913342 .71-.77" (18-20)
3/4" (27mm) SDR 11-13.5	08780680	1.050" (26.6)	08780682	1.050" (26.6)	08780685	0.75" (19.0)	08780690	0.75" (19.0)	08078300	1.00-1.24" (25.4-31.5)	08643137	08761840 .71-.87" (18-22)
1" SDR 11/13.5	08780386	1.315" (33.4)	08780369	1.315" (33.4)	08780307	1.121" (28.5)	08761250	1.25" (31.8)	08761439	1.25-1.49" (32-38)	08643143	08913343 .75-1.00" (19-25)
1.25" SDR 11/13.5	08780392	1.660" (42.2)	08780375	1.660" (42.2)	08780051	1.414" (35.9)	08761255	1.50" (38.1)	08761440	1.50-1.99" (38.1-50.5)	08643149	08761842 1.06-1.43" (27-37)
20mm	08781120	0.787" (20.0)	08781122	0.787" (20.0)	08781121	0.688" (17.5)	08780793	1.00" (25.4)	08761444	.75-.99" (19.0-25.1)	08643131	08914007 .551-.813" (14-20)
22mm	08781153	0.886" (22.0)	08781154	0.886" (22.0)	08781155	0.688" (17.5)	08780793	1.00" (25.4)	08761444	.75-.99" (19.0-25.1)	08643131	08914007 .551-.813" (14-20)
25mm	08780240	0.984" (25.0)	08780099	0.984" (25.0)	08780134	0.787" (20.0)	08780230	1.25" (31.8)	08761439	1.25-1.49" (31.8-37.8)	08643137	08761840 .71-.87" (18-22)
32mm	08780385	1.260" (32.0)	08780368	1.260" (32.0)	08780306	1.063" (27.0)	08761560	1.25" (31.8)	08761439	1.25-1.49" (31.8-37.8)	08643143	08761842 1.06-1.43" (27-37)
36mm	08780387	1.417" (36.0)	08780370	1.417" (36.0)	08780308	1.181" (30.0) 1.220" (31.0)	08761643 08761555	1.25" (31.8)	08761439	1.25-1.49" (31.8-37.8)	08643143	08761842 1.06-1.43" (27-37)
37mm	08780388	1.457" (37.0)	08780371	1.457" (37.0)	08780309	1.220" (31.0)	08761555	1.25" (31.8)	08761439	1.25-1.49" (31.8-37.8)	08643143	08761842 1.06-1.43" (27-37)
1.25" TRUE	08780389	1.500" (38.1)	08780372	1.500" (38.1)	08780333	1.250" (31.7)	08761670	1.50" (38.1)	08761440	1.25-1.49" (31.8-37.8)	08643143	08761842 1.06-1.43" (27-37)
40mm	08780390	1.575" (40.0)	08780373	1.575" (40.0)	08780334	1.299" (33.0)	08761525	1.50" (38.1)	08761440	1.50-1.99" (38.1-50.5)	08643149	08761842 1.06-1.43" (27-37)
42mm	08780391	1.653" (42.0)	08780374	1.653" (42.0)	08780335	1.378" (35.0)	08761660	1.50" (38.1)	08761440	1.50-1.99" (38.1-50.5)	08643149	08761844 1.37-1.68" (35-43)

FIBER CABLE INSTALLATION

Gulfstream 350 Blower Size

- Dimensions: 606 mm (l) x 341 mm (w) x 299 mm (h)
23.8" (l) x 13.4" (w) x 11.8" (h)
- Weight: 55 lbs/25 kg

Duct Range

- 8 mm - 42 mm
- .50" - 1.25"

Fiber Cable Range

- 4 mm - 16.5 mm (.16" - .65")

Features

- Mechanical Counter/Real Time Distance (Meters and Feet)
- Speed Indicator (Meters and Feet)
- No Tools Required for Belt Replacement
- Maximum Belt Visibility, Transparent Covers for Easy Monitoring
- Emergency Stop Button
- Air Conditioning: Filter, Regulator, and Lubricator
- Lightweight Case

Drive

- Pneumatic Drive System
- Maximum push force of 310 N (70 lbs)
- Average Speed: 52 m/min @ 178 N (170 ft/min @ 40 lbs)

Pressure and Flow

Microduct:

- Air Pressure Requirements (BAR)*: 10-15 Bar
- Air Pressure Requirements (PSI)*: 150-205 PSI
- Flow Requirements (CMM)*: 0.5-1.5 CMM
- Flow Requirements (CFM)*: 10-35 CFM

Traditional Duct:

- Air Pressure Requirements (BAR)*: 7-10 Bar
- Air Pressure Requirements (PSI)*: 100-150 PSI
- Flow Requirements (CMM)*: 5-11 CMM
- Flow Requirements (CFM)*: 185-375 CFM

*Air pressure and flow requirements depend on the size of duct and the size of fiber being installed into that duct.





GULFSTREAM™ 300

Gulfstream™ 300 Micro Fiber Blower

The Gulfstream 300 is an effective and economical approach to middle mile fiber installations. Able to install fiber optic cable ranging in size from 2.5 mm to 8 mm into duct from 7 mm to 18 mm, the Gulfstream 300 offers the portability, convenience and power for standard middle mile projects in a cost effective package. Weighing just 9 lbs. (4.1 kg), the Gulfstream 300 is easily transported and can be mounted on a tripod for optimum productivity.

***The Gulfstream 300 no longer uses batteries for power. 48v power supply included with kits**

Gulfstream™ 300 Micro Fiber Blower Kits

Part Number	Description
08787001	Gulfstream 300™ Micro Fiber Blower Standard Kit, US*
08787002	Gulfstream 300™ Micro Fiber Blower Standard Kit, Int'l*
08787003	Gulfstream 300™ Micro Fiber Blower Base Kit, US
08787004	Gulfstream 300™ Micro Fiber Blower Base Kit, Int'l

Included in standard kits:

Part Number	QTY	Description
02290961	1	Plastic Case
02291020	1	Hex Key Set
08784011	1	Large V-Groove Belt, GS300 QC
08783076	1	Seal Kit
08783519	1	O-Ring Kit (qty 5)
08787018	1	Flat Belt, GS300 QC
08787021	1	Rear Insert Guide (3-4mm)
08787022	1	Rear Insert Guide (5-7mm)
08787023	1	Rear Insert Guide (8-10mm)
08787060	1	AC Power Supply, 48v - US
08783508	1	AC Power Supply, 48v - Int'l (must install appropriate plug)
08782212	1	Tripod Plate, 5/8" to 1/4" Adapter
02290383	1	Adjustable HD Tripod, 42"- 65"
08787066	1	Quick Change Tool

Cable Seals and Duct Packs noted with (*) on page 113 included in kits

Included in base kits:

Part Number	QTY	Description
02290961	1	Plastic Case
02291020	1	Hex Key Set
08784011	1	Large V-Groove Belt, GS300 QC
08783076	1	Seal Kit
08783519	1	O-Ring Kit (qty 5)
08787018	1	Flat Belt, GS300 QC
08787021	1	Rear Insert Guide (3-4 mm)
08787022	1	Rear Insert Guide (5-7 mm)
08787023	1	Rear Insert Guide (8-10 mm)
08787060	1	AC Power Supply, 48v - US
08783508	1	AC Power Supply, 48v - Int'l (must install appropriate plug)
08787066	1	Quick Change Tool

Cable Seals, Duct Packs, Tripod and Tripod Plate are sold individually



Blower Size

- Dimensions: 11" (l) x 8" (w) x 6" (h)
279 mm (l) x 203 mm (w) x 152 mm (h)
- Weight: 9 lbs/4.1 kg

Microduct Range

- 7 – 18 mm
- Built in clamping system with interchangeable seals

Fiber Cable Range

- 2.5 – 8 mm

Power System

- Electric drive motor
- **48v AC Power Supply**
(Plugged into wall or 1000 w Generator)

Drive

- Belt drive
- Maximum push force of 30 lbs (133 N)
- Speed: 0-230 fpm (0 – 70mpm) with 48V inverter

Controls

- Forward/reverse switch
- Speed control to regulate motor speed
- Emergency stop button for instant shutdown
- Screen that monitors speed, distance and life counter
- Push force adjustment

Pressure and Flow

- Air connections: 3/8" EU or US Coupling
- Air Pressure Requirements (BAR)*: 10-15 Bar
- Air Pressure Requirements (PSI)*: 150-205 PSI
- Flow Requirements (CMM)*: 0.5-1.5 CMM
- Flow Requirements (CFM)*: 10-35 CFM

*Air pressure and flow requirements depends on the size of duct and the size of fiber being installed into that duct.

Gulfstream™ 300 Micro Fiber Blower Replacement Parts

Replacement Cable Seals

Part Number	Description
08783792	2.5 mm Cable Seal Kit (6 pcs)*
08783644	3.0 mm Cable Seal Kit (6 pcs)*
08783737	3.25 mm Cable Seal Kit (6 pcs)
08783645	3.5 mm Cable Seal Kit (6 pcs)*
08783739	3.75 mm Cable Seal Kit (6 pcs)
08783646	4.0 mm Cable Seal Kit (6 pcs)*
08783741	4.25 mm Cable Seal Kit (6 pcs)
08783647	4.5 mm Cable Seal Kit (6 pcs)*
08783743	4.75 mm Cable Seal Kit (6 pcs)
08783648	5.0 mm Cable Seal Kit (6 pcs)*
08783649	5.5 mm Cable Seal Kit (6 pcs)*
08783650	6.0 mm Cable Seal Kit (6 pcs)*
08783651	6.5 mm Cable Seal Kit (6 pcs)*
08783652	7.0 mm Cable Seal Kit (6 pcs)*
08783653	7.5 mm Cable Seal Kit (6 pcs)*
08783654	8.0 mm Cable Seal Kit (6 pcs)*
08783655	8.5 mm Cable Seal Kit (6 pcs)*
08783656	9.0 mm Cable Seal Kit (6 pcs)*
08783657	9.5 mm Cable Seal Kit (6 pcs)*
08783658	10.0 mm Cable Seal Kit (6 pcs)*
08783659	10.5 mm Cable Seal Kit (6 pcs)*
08783660	Cable Seal Kit Blanks (6 pcs)*
08783666	Flat Cable Seal Kit 8.1 mm x 4.5 mm (6 pcs)



*Included in Gulstream 300 standard blower kit

Replacement Duct Packs

Part Number	Description
08787035	7.0mm Duct Pack Assembly (includes 10 O-Rings)*
08787055	8.0mm Duct Pack Assembly (includes 10 O-Rings)*
08787037	8.5mm Duct Pack Assembly (includes 10 O-Rings)*
08787038	10.0mm Duct Pack Assembly (includes 10 O-Rings)*
08787042	12.0mm Duct Pack Assembly (includes 10 O-Rings)*
08787043	12.7mm Duct Pack Assembly (includes 10 O-Rings)*
08787028	14.0mm Duct Pack Assembly (includes 10 O-Rings)*
08787029	16.0mm Duct Pack Assembly (includes 10 O-Rings)*
08787045	18.0mm Duct Pack Assembly (includes 10 O-Rings)*

*Included in Gulstream 300 standard blower kit



Replacement O-Rings

Part Number	Description
08783192	7.0 mm Duct O-Ring Kit (12 pcs)
08783193	8.0 mm Duct O-Ring Kit (12 pcs)
08783194	8.5 mm Duct O-Ring Kit (12 pcs)
08783195	10.0 mm Duct O-Ring Kit (12 pcs)
08783196	12.0 mm Duct O-Ring Kit (12 pcs)
08783197	12.7 mm Duct O-Ring Kit (12 pcs)
08783641	14.0 mm Duct O-Ring Kit (12 pcs)
08783642	16.0 mm Duct O-Ring Kit (12 pcs)
08783643	18.0 mm Duct O-Ring Kit (12 pcs)

Gulfstream™ 300 Micro Fiber Blower Accessories

Part Number	Description
02290383	Adjustable HD Tripod, 42"- 65"
08782212	Tripod Plate, 5/8" to 1/4" Adapter
08787060	AC Power Supply, 48v - US
08783508	AC Power Supply, 48v - Int'l (must install appropriate plug)
08783392	GS250/300 Flow Regulator Kit
08783393	GS250/300 Flow Regulator Kit - Int'l Fittings
08783301	GS250/300 Proof/Pressure Test Kit
08783878	Wet Fat Belt with Groove QC (qty 2 req'd)
08783670	36V DeWalt Battery Assembly Adapter





GULFSTREAM™ 250

Gulfstream™ 250 Micro Fiber Blower

The Gulfstream 250 is an effective and economical approach to middle mile fiber installations. Able to install fiber optic cable ranging in size from 2.5 mm - 8mm into duct from 5 mm - 18 mm, the Gulfstream 250 offers portability, convenience and power for standard middle projects in a cost effective package. The unit features user-friendly controls that help optimize the fiber optic cable installation process.

***The Gulfstream 250 no longer uses batteries for power. 48v power supply included with kits**

Gulfstream™ 250 Micro Fiber Blower Complete Kit

Part Number	Description
08783805-50	Gulfstream 250™ Micro Fiber Blower Standard Kit, US*
08783805-51	Gulfstream 250™ Micro Fiber Blower Standard Kit, Int'l*
08783805-53	Gulfstream 250™ Micro Fiber Blower Base Kit, US
08783805-54	Gulfstream 250™ Micro Fiber Blower Base Kit, Int'l

Included in standard kits:

Part Number	Description
02290961	Plastic Case
02291020	Hex Key Set
08783427	Large Groove Green Belt
08783076	Seal Kit
08783519	O-Ring Kit (qty 5)
08783425	Flat Orange Belt
08783770	Rear Insert Guide (3-4 mm)
08787771	Rear Insert Guide (4-7 mm)
08787772	Rear Insert Guide (7-10 mm)
08787060	AC Power Supply, 48v - US
08783508	AC Power Supply, 48v - Int'l (must install appropriate plug)
08782212	Tripod Plate, 5/8" to 1/4" Adapter
02290383	Adjustable HD Tripod, 42"- 65"
08787066	Quick Change Tool

Cable Seals and Duct Packs noted with (*) on page 115 included in kits

Included in base kits:

Part Number	Description
02290961	Plastic Case
02291020	Hex Key Set
08783427	Large Groove Green Belt
08783076	Seal Kit
08783519	O-Ring Kit (qty 5)
08783425	Flat Orange Belt
08783770	Rear Insert Guide (3-4 mm)
08787771	Rear Insert Guide (4-7 mm)
08787772	Rear Insert Guide (7-10 mm)
08787060	AC Power Supply, 48v - US
08783508	AC Power Supply, 48v - Int'l (must install appropriate plug)
08787066	Quick Change Tool

Cable Seals, Duct Packs, Tripod and Tripod Plate are sold individually

Specialty Wheels

Fiber Cable Range

2.5 - 4mm

08783819 - Wheel, Specialty Fat, Groove Orange (2 req'd)

3.5 - 4.3mm

08783884 - Wet Wheel, Serrated (1 req'd)

4.4 - 5.5mm

08783885 - Wet Wheel, Serrated (1 req'd)

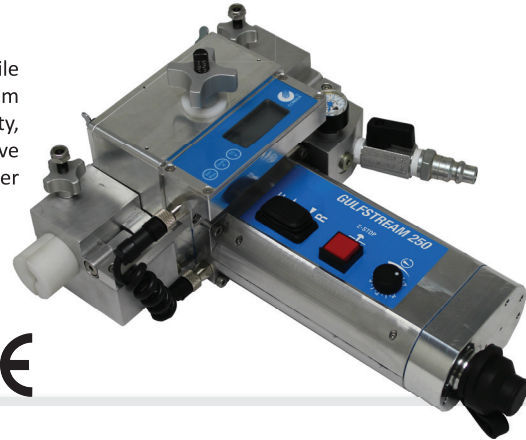
5.6 - 7.75mm

08783886 - Wet Wheel, Serrated (1 req'd)

7.75 - 9.75mm

08783887 - Wet Wheel, Serrated (1 req'd)

specialty wheels purchased separately



Blower Size

- Dimensions: 11" (l) x 8" (w) x 6" (h)
279 mm (l) x 203 mm (w) x 152 mm (h)
- Weight: 9 lbs/4.1 kg

Microduct Range

- 5 – 18 mm
- Built in clamping system with interchangeable seals

Fiber Cable Range

- 2.5 – 8 mm
- 8.1 - 9.75 mm (with specialty wheels, not included in kit)

Power System

- Electric drive motor
- **48v AC Power Supply**
(Plugged into wall or 1000 w Generator)

Drive

- Wheel drive
- Maximum push force of 30 lbs (133 N)
- Speed: 0-230 fpm (0 – 70 mpm) with 48V inverter

Controls

- Forward/reverse switch
- Speed control to regulate motor speed
- Screen that monitors speed, distance and life counter
- Emergency stop button for instant shut down
- Push force adjustment

Pressure and Flow

- Air connections: 3/8" EU or US Coupling
- Air Pressure Requirements (BAR)*: 10-15 Bar
- Air Pressure Requirements (PSI)*: 150-205 PSI
- Flow Requirements (CMM)*: 0.5-1.5 CMM
- Flow Requirements (CFM)*: 10-35 CFM

*Air pressure and flow requirements depends on the size of duct and the size of fiber being installed into that duct.

Gulfstream™ 250 Micro Fiber Blower Replacement Parts

Replacement Cable Seals

Part Number	Description
08783792	2.5 mm Cable Seal Kit (6 pcs)*
08783644	3.0 mm Cable Seal Kit (6 pcs)*
08783645	3.5 mm Cable Seal Kit (6 pcs)*
08783646	4.0 mm Cable Seal Kit (6 pcs)*
08783647	4.5 mm Cable Seal Kit (6 pcs)*
08783648	5.0 mm Cable Seal Kit (6 pcs)*
08783649	5.5 mm Cable Seal Kit (6 pcs)*
08783650	6.0 mm Cable Seal Kit (6 pcs)*
08783651	6.5 mm Cable Seal Kit (6 pcs)*
08783652	7.0 mm Cable Seal Kit (6 pcs)*
08783653	7.5 mm Cable Seal Kit (6 pcs)*
08783654	8.0 mm Cable Seal Kit (6 pcs)*
08783660	Cable Seal Blanks (6 pcs)*
08783655	8.5 mm Cable Seal Kit (6 pcs)
08783656	9.0 mm Cable Seal Kit (6 pcs)
08783657	9.5 mm Cable Seal Kit (6 pcs)
08783658	10.0 mm Cable Seal Kit (6 pcs)
08783666	Flat Cable Seal Kit 8.1 mm x 4.5 mm (6 pcs)

*Included in Gulfstream 250 standard blower kit



Replacement Duct Packs

Part Number	Description
08783812	5.0 mm Duct Pack Assembly (includes 10 O-Rings)*
08783813	6.0 mm Duct Pack Assembly (includes 10 O-Rings)*
08783832	7.0 mm Duct Pack Assembly (includes 10 O-Rings)*
08783833	8.0 mm Duct Pack Assembly (includes 10 O-Rings)*
08783834	8.5 mm Duct Pack Assembly (includes 10 O-Rings)*
08783634	10.0 mm Duct Pack Assembly (includes 10 O-Rings)*
08783635	12.0 mm Duct Pack Assembly (includes 10 O-Rings)*
08783636	12.7 mm Duct Pack Assembly (includes 10 O-Rings)*
08783637	14.0 mm Duct Pack Assembly (includes 10 O-Rings)*
08783638	16.0 mm Duct Pack Assembly (includes 10 O-Rings)*
08783639	18.0 mm Duct Pack Assembly (includes 10 O-Rings)*

*Included in Gulfstream 250 standard blower kit



Replacement O-Rings

Part Number	Description
08783190	5.0 mm Duct O-Ring Kit (12 pcs)
08783191	6.0 mm Duct O-Ring Kit (12 pcs)
08783192	7.0 mm Duct O-Ring Kit (12 pcs)
08783193	8.0 mm Duct O-Ring Kit (12 pcs)
08783194	8.5 mm Duct O-Ring Kit (12 pcs)
08783195	10.0 mm Duct O-Ring Kit (12 pcs)
08783196	12.0 mm Duct O-Ring Kit (12 pcs)
08783197	12.7 mm Duct O-Ring Kit (12 pcs)
08783641	14.0 mm Duct O-Ring Kit (12 pcs)
08783642	16.0 mm Duct O-Ring Kit (12 pcs)
08783643	18.0 mm Duct O-Ring Kit (12 pcs)

Gulfstream™ 250 Micro Fiber Blower Accessories

Part Number	Description
02290383	Adjustable HD Tripod, 42" - 65"
08782212	Tripod Plate, 5/8" to 1/4" Adapter
08787060	AC Power Supply, 48v - US
08783508	AC Power Supply, 48v - Int'l (must install appropriate plug)
08783670	36V DeWalt Battery Assembly Adapter
08783392	GS250/300 Flow Regulator Kit
08783393	GS250/300 Flow Regulator Kit - Int'l Fittings
08783301	GS250/300 Proof/Pressure Test Kit
08787066	Quick Change Tool

For additional wheel options, see 'Specialty Wheels' on page 114





GULFSTREAM™ 150

Gulfstream™ 150 Micro Fiber Blower

The Gulfstream 150 micro fiber blower is designed for FTTx and Enterprise micro fiber cable installation projects. The self-contained Gulfstream 150 combines the push force of a small electric motor driven belt drive with compressed air to quickly and easily install microfiber cables from 1.0 mm to 2.5 mm in diameter into microduct ranging in size from 5 mm to 8.0 mm, at speeds up to 375 feet per minute.

The unit's machined aluminum construction provides a lightweight profile with long life and durability. The Gulfstream 150's compact size and convenient carrying case allow for easy transport between job sites.

***The Gulfstream 150 no longer includes a battery or charger.**

Requirements listed below and must be sourced by installer.

Gulfstream™ 150 Micro Fiber Blower Complete Kit

Part Number	Description
08783400-50	Gulfstream 150™ Micro Fiber Blower Standard Kit, US*
08783400-51	Gulfstream 150™ Micro Fiber Blower Standard Kit, Int'l*
08783400-53	Gulfstream 150™ Micro Fiber Blower Base Kit, US
08783400-55	Gulfstream 150™ Micro Fiber Blower Base Kit, Int'l

Included in standard kits:

Part Number	QTY	Description
08783054	1	Plastic Case
02291020	1	Hex Key Set
08783426	2	Small Groove Wheel
08783076	1	Seal Kit
08783077	1	O-Ring Kit (qty 5)
02290882	1	Adjustable Tripod, 9lbs, 11" - 63"
02291088	1	3 Pin Cordset
08783026	1	Belt Battery Clip
08783259	1	Blank Seal Kit (qty 6)

Cable Seals and Duct Packs noted with (*) on page 117 included in kits

Included in base kits:

Part Number	QTY	Description
08783054	1	Plastic Case
02291020	1	Hex Key Set
08783426	2	Small Groove Wheel
08783076	1	Seal Kit
08783077	1	O-Ring Kit (qty 5)
02291088	1	3 Pin Cordset
08783026	1	Belt Battery Clip
08783259	1	Blank Seal Kit (qty 6)

Cable Seals, Duct Packs, and Tripod are sold individually.

Battery/Charger Requirements

DeWalt Li-Ion Battery -12.0v
 DeWalt Li-Ion Charger 12v/20V

DeWalt Li-Ion Battery - 10.8v
 DeWalt Li-Ion Charger 10.8v



Blower Size

- Dimensions: 8" (l) x 6" (w) x 6" (h)
203 mm (l) x 152 mm (w) x 152 mm (h)
- Weight: 7 lbs/3.2 kg

Microduct Range

- 5 – 8 mm
- Built in clamping system with interchangeable seals

Fiber Cable Range

- 1 – 2.5 mm

Power System

- Electric drive motor
- 12v (US) or 10.8v (EU) Cordless Battery (not included)
- AC Power Supply (optional)

Drive

- Roller Cover
- Maximum push force of 4.5 lbs (20 N)
- Speed: 0-375 fpm (0 – 115 mpm)

Controls

- Screen that monitors speed and distance - life counter
- Forward/Reverse switch
- Speed control to regulate motor speed
- Push force adjustment

Pressure and Flow

- Air connections: 1/4" EU or US Coupling
- Air Pressure Requirements (BAR)*: 10-15 Bar
- Air Pressure Requirements (PSI)*: 150-205 PSI
- Flow Requirements (CMM)*: 0.5-1.5 CMM
- Flow Requirements (CFM)*: 10-35 CFM

*Air pressure and flow requirements depends on the size of duct and the size of fiber being installed into that duct.

Gulfstream™ 150 Micro Fiber Blower Replacement Parts

Replacement Cable Seals

Part Number	Description
08783448	1.25 mm Cable Seal Kit (6 pcs)*
08783449	1.50 mm Cable Seal Kit (6 pcs)*
08783450	1.75 mm Cable Seal Kit (6 pcs)*
08783451	2.00 mm Cable Seal Kit (6 pcs)*
08783452	2.25 mm Cable Seal Kit (6 pcs)*
08783453	2.50 mm Cable Seal Kit (6 pcs)*
08783259	Cable Seal Kit Blanks (6 pcs)*

*Included in Gulfstream 150 standard blower kit



Duct Packs

Part Number	Description
08783170	5.0 mm Duct Pack Assembly (includes 10 O-Rings)*
08783171	6.0 mm Duct Pack Assembly (includes 10 O-Rings)*
08783172	7.0 mm Duct Pack Assembly (includes 10 O-Rings)*
08783173	8.0 mm Duct Pack Assembly (includes 10 O-Rings)*

*Included in Gulfstream 150 standard blower kit



Replacement O-Rings

Part Number	Description
08783190	5.0 mm Duct O-Ring Kit (12 pc)
08783191	6.0 mm Duct O-Ring Kit (12 pc)
08783192	7.0 mm Duct O-Ring Kit (12 pc)
08783193	8.0 mm Duct O-Ring Kit (12 pc)

Accessories for Gulfstream™ 150 Micro Fiber Blower

Part Number	Description
08783390	Gulfstream™ 150 Flow Regulator
08783391	Gulfstream™ 150 Flow Regulator - Intl Fittings
02290882	Tripod
08783090	AC Power Supply - Int'l (must install appropriate plug)
08783301	GS150 Proof/Pressure Test Kit
08783085	A/C Power Supply - US
08783457	Hose Assembly, Claw to QD GS150 INTL





CABLE BLOWING LUBRICANTS/CABLE TIPS



Polywater® Prelube 2000™

Specially formulated for use with Fiber Optic Cable Blowing Systems, Polywater® Prelube 2000™ has been field proven with Condux Gulfstream Fiber Optic Cable Blowers. This lubricant is a special lubricant used to prelubricate the conduit system before installing the cable. Prelube 2000 is compatible with all types of cable jackets and conduit types.

Part Number	Description	Min. Order Qty.
08230600	1 Quart (0.9 liter) Standard Grade	12 Quarts
08230601	1 Gallon (3.8 liter) Standard Grade	4 Gallons
08230605	5 Gallon (19 liter) Standard Grade	1 Pail (5 Gallon)

Polywater® W-Prelube 2000™

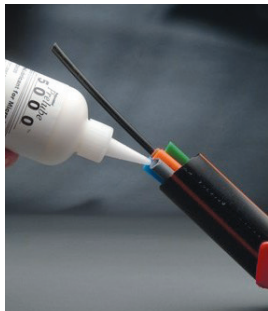
Polywater® W-Prelube 2000™ Winter Grade is a non-freezing form of the standard Polywater Prelube 2000™

Part Number	Description	Min. Order Qty.
08230900	1 Quart (0.9 liter) Winter Grade	12 Quarts
08230901	1 Gallon (3.8 liter) Winter Grade	4 Gallons
08230905	5 Gallon (19 liter) Winter Grade	1 Pail (5 Gallon)

Polywater® Prelube 5000™

Is more concentrated than the Prelube 2000™. It is intended for blowing microcable into small diameter microtubes. The improved chemistry allows this product to spread further and lower friction at extremely low coating levels. The lower viscosity allows practical application into the microtubes.

Part Number	Description	Min. Order Qty.
08230675	8-fl ounce (227 g) squeeze bottle	6 Bottles



Cable Tips

These tips screw onto fiber optic cable to assist in guiding the fiber through sharp corners and couplings. Sizes range from 2 - 9 mm in 1/2 mm increments. **Note: the actual tip diameter is 1/2 mm larger than cable diameter (ex: the outer diameter of a tip for 4 mm cable (08783978) will measure 4.5 mm).**



Part Number	Description
08783970	2.0 mm Cable Tips (10 pcs)
08783972	2.5 mm Cable Tips (10 pcs)
08783974	3.0 mm Cable Tips (10 pcs)
08783976	3.5 mm Cable Tips (10 pcs)
08783978	4.0 mm Cable Tips (10 pcs)
08783980	4.5 mm Cable Tips (10 pcs)
08783982	5.0 mm Cable Tips (10 pcs)
08783984	5.5 mm Cable Tips (10 pcs)
08783986	6.0 mm Cable Tips (10 pcs)
08783988	6.5 mm Cable Tips (10 pcs)
08783990	7.0 mm Cable Tips (10 pcs)
08783992	7.5 mm Cable Tips (10 pcs)
08783994	8.0 mm Cable Tips (10 pcs)
08783996	8.5 mm Cable Tips (10 pcs)
08783998	9.0 mm Cable Tips (10 pcs)



PRESSURE TEST KITS/ACCESSORIES



FIBER CABLE INSTALLATION

Micro Duct Pressure Test Kits

Use the Micro Duct Pressure Test Kit before setting up the Gulfstream™ 150/250/300 to pressure test, proof, and lubricate micro duct for optimum performance. For the cable blower to function properly, the microduct system must be able to withstand and hold 100 psi (7 bar). Air leaks will reduce the compressors' ability to maintain the required pressure for cable installation. The duct system must also be passable by a proofing ball of roughly 80% fill ratio so that there are no obstructions prohibiting the installation of fiber optic cable. Lubrication may also be desired to reduce the friction involved when installing fiber optic cable. Achieve maximum performance and installation distances by pressure testing, proofing, and lubricating the microduct with the Condux Micro Duct Pressure Test Kit.



Part Number	Description	QTY	U/M
08783302*	Standard Pressure Test Kit (includes all of the following)		
02291159	Tool Box	1	ea
08783304	Pressure Test Gun	1	ea
08230676	Lubricant, 8oz Bottle	1	ea
08783315	Micro Duct Cutter	1	ea
08783354	Micro Duct Cable Grip Test Kit	1	ea

*Must select appropriately sized Micro Duct Kit from any kit listed below

Part Number	Description	QTY	U/M
08783303	GS150 Pressure Test Kit (Includes all of the following)		
08783316	5mm Micro Duct Proof/Press Test Kit	1	ea
08783317	6mm Micro Duct Proof/Press Test Kit	1	ea
08783318	7mm Micro Duct Proof/Press Test Kit	1	ea
08783319	8mm Micro Duct Proof/Press Test Kit	1	ea
08783304	Pressure Test Gun	1	ea
08783315	Micro Duct Cutter	1	ea
02291159	Tool Box	1	ea
08230676	Lubricant, 8 oz Bottle	1	ea
08783354	Micro Duct Cable Grip Test Kit	1	ea

Part Number	Description	QTY	U/M
08783301	GS250/300 Pressure Test Kit (includes all of the following)		
08783319	8 mm Micro Duct Proof/Press Test Kit	1	ea
08783320	8.5 mm Micro Duct Proof/Press Test Kit	1	ea
08783315	Micro Duct Cutter	1	ea
08783318	7 mm Micro Duct Proof/Press Test Kit	1	ea
08783321	10 mm Micro Duct Proof/Press Test Kit	1	ea
08783324	14 mm Micro Duct Proof/Press Test Kit	1	ea
08783325	16 mm Micro Duct Proof/Press Test Kit	1	ea
08783322	12 mm Micro Duct Proof/Press Test Kit	1	ea
08783323	12.7 mm Micro Duct Proof/Press Test Kit	1	ea
08783326	18 mm Micro Duct Proof/Press Test Kit	1	ea
02291159	Tool Box	1	ea
08783354	Micro Duct Cable Grip Test Kit	1	ea
08783304	Pressure Test Gun	1	ea
08230676	Lubricant, 8 oz Bottle	1	ea

Micro Fiber Carrier Kit

Designed to attach to the central strength member (CSM) of the cable. The seals are sized to accommodate the proper ID duct size for maximization of the blowing distances and create an airtight seal in the duct.

Part Number	Description
08764090	Micro Fiber Carrier Kit



Why an Airtight Duct?

Duct integrity is essential for a successful cable blowing application. Leaks in the duct can lower pressure and greatly reduce installation distances. The duct system must be able to withstand and maintain 100 psi (7 bar) for the

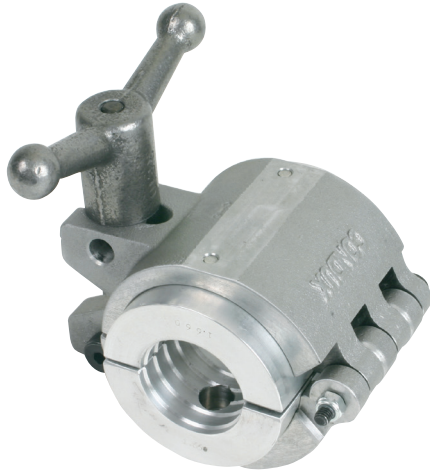
cable blower to function properly. Duct integrity should always be tested before attempting cable installation with the cable blower. The duct can be tested with a pressure test kit available from Condux or with the cable blower itself. Either way, an airtight duct

system is an absolute necessity for cable blowing.

The main contributors to duct system leaks are the innerduct couplings. Condux recommends using one of the innerduct coupling methods shown on page 121.



INNERDUCT COUPLINGS



Speed Ball Split Coupling

Hinged aluminum split coupling for temporarily joining all types of innerduct during a cable blowing process.

Note: Inserts are sold separately.

Part Number	Description
08676844	Hinged Coupling Body

Inserts

Part Number	Duct Type	Mean Duct O.D.	
		(in)	(mm)
08676859	1" SDR 11 & 13.5	1.315	33
08676860	1 1/4" SDR 11 & 13.5	1.660	42
08676861	1 1/2" SDR 11 & 13.5	1.900	48
08676862	2" SDR 11 & 13.5	2.375	60
08676863	40 mm	1.575	40

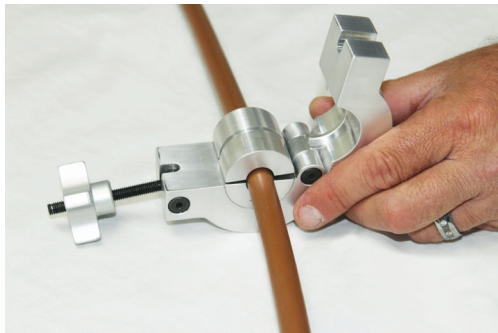
*Inserts include rubber seal.



Replacement Seals

Part Number	Size
08676853	1" Seal
08676854	1 1/4" Seal
08676855	1 1/2" Seal
08676856	2" Seal
08676857	40 mm

*Quantities are 10 seals per pack.

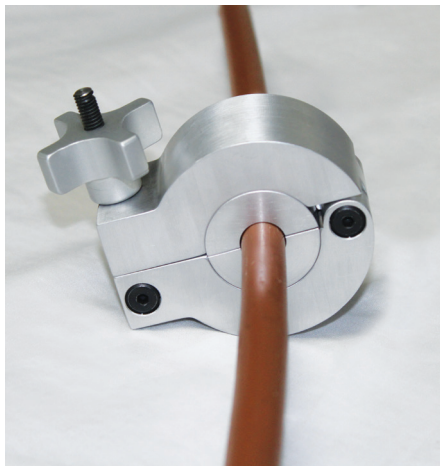


Reusable Micro Duct Couplers

The Condux® Reusable Micro Duct Coupler allows for the temporary joining of two pieces of microduct - essential when installing fiber optic cable.

These couplers are ideal for routing duct to the blowing machine or creating loops in downstream handholes. Unlike traditional plastic couplers, the hinged assembly can be removed mid-span and reused.

To be more cost effective, the innovative design utilizes a common body that accommodates a wide variety of inserts - making the Reusable Micro Duct Coupler the most versatile on the market.



Part Number	Description
08783900	Body

08783910	Micro Duct Coupler Insert Set - 5.0 mm
08783911	Micro Duct Coupler Insert Set - 6.0 mm
08783912	Micro Duct Coupler Insert Set - 7.0 mm
08783913	Micro Duct Coupler Insert Set - 8.0 mm
08783914	Micro Duct Coupler Insert Set - 8.5 mm
08783915	Micro Duct Coupler Insert Set - 10.0 mm
08783916	Micro Duct Coupler Insert Set - 12.0 mm
08783917	Micro Duct Coupler Insert Set - 12.7 mm
08783918	Micro Duct Coupler Insert Set - 14.0 mm
08783919	Micro Duct Coupler Insert Set - 16.0 mm
08783920	Micro Duct Coupler Insert Set - 18.0 mm
08783921	Micro Duct Coupler Insert Set - 20.0 mm



CONDUX

Comfit Couplers

Comfit is a unique Hi-Tech coupler for HDPE cable ducts. Leak tested at 230 PSI and resistant to corrosion and most chemicals.

Comfit is designed in accordance with the special demands of the leading cable and duct manufacturers, as well as, top utility and contractors.

Comfit is excellent for both blowing and pulling applications.

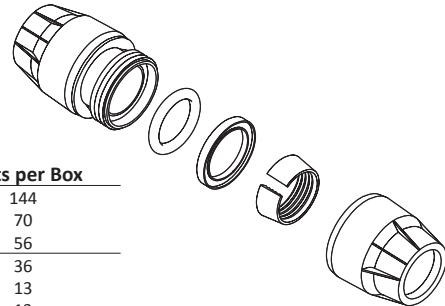
Comfit has a compact profile reducing difficulties traditionally encountered in manholes, narrow trenches and plowing machines.

Comfit's push-fit method ensures fast and simple assembly and disassembly. Push the duct ends into the coupler for a locked and air sealed assembly. No special tools are needed.

Part Number	Nominal OD	Duct OD mm/in	Coupler OD mm/in	Max Tension PSI	Units per Box
08566109	¾"	26.6 mm/1.050"	43 mm/1.69"	580	144
08566110	1.0"	33.4 mm/1.315"	56 mm/2.20"	580	70
08566112	1¼"	42.2 mm/1.660"	72 mm/2.83"	1,130	56
08566115	1½"	48.3 mm/1.900"	82 mm/3.23"	1,470	36
08566120	2.0"	60.3 mm/2.375"	109 mm/4.29"	2,400	13
08566145	2" Clear Center	60.3 mm/2.375"	109 mm/4.29"	2,400	13
08566123	32 mm	32 mm	56 mm/2.20"	230	70
08566125	40 mm	40 mm	70 mm/2.76"	230	60
08566130	50 mm	50 mm	85 mm/3.35"	230	33



Max Pressure: 230 PSI



Microfit Couplers

Designed specifically for FTTx applications, the Condux® Microfit Couplers combine ease of use, chemical resistance and ability to accommodate the high pressures encountered when installing fiber with micro-blowing equipment.

The innovative transparent design ensures proper attachment by allowing the installer to visually verify that each end of the duct has been seated properly inside the coupler. Once connected, the air and water tight seal will hold pressure up to 232 PSI (16 Bar) in temperatures ranging from -4°F to 140°F (-20°C to 60°C).

These features incorporated into a push-on, no tools required design, make the Condux® Microfit Coupler an essential component of the professional installers toolbox.

Part Number	Description
08566310	Straight Connector - 5 mm Microfit
08566320	Endstop Connector - 5 mm Microfit
08566312	Straight Connector - 7 mm Microfit
08566322	Endstop Connector - 7 mm Microfit
08566335	Straight Connector - 8 mm Microfit
08566336	Endstop Connector - 8 mm Microfit
08566313	Straight Connector - 8.5 mm Microfit
08566323	Endstop Connector - 8.5 mm Microfit
08566315	Straight Connector - 10 mm Microfit
08566325	Endstop Connector - 10 mm Microfit
08566317	Straight Connector - 12 mm Microfit
08566327	Endstop Connector - 12 mm Microfit
08566337	Straight Connector - 12.7 mm Microfit
08566338	Endstop Connector - 12.7 mm Microfit
08566318	Straight Connector - 14 mm Microfit
08566328	Endstop Connector - 14 mm Microfit
08566319	Straight Connector - 16 mm Microfit
08566329	Endstop Connector - 16 mm Microfit
08566333	Straight Connector - 18 mm Microfit
08566334	Endstop Connector - 18 mm Microfit



Direct Bury Couplers

Designed specifically for FTTx applications, the Condux® Direct Bury Couplers feature a durable, shock resistant design that will hold up to virtually any terrain or soil condition.

The Direct Bury Coupler's metallic-free construction eliminates damage from oxidation or acidic soil conditions – guaranteeing it will maintain its seal over time. The translucent design ensures a proper connection by allowing the installer to visually verify that each end of the duct has been properly seated.

Once connected, the air and water tight seal will hold pressure up to 232 PSI (16 Bar) in temperatures ranging from -5°F to 113°F (-15°C to 45°C). These parameters will accommodate virtually any application situation encountered in the field - including the high pressures utilized when installing fiber with micro-blowing equipment.

These features incorporated into a push-on, no tools required design, make the Condux® Direct Bury Coupler an essential component of the professional installer's toolbox.



Part Number	Description
08566350	Direct Bury, Straight Connector - 7 mm
08566351	Direct Bury, End Stop - 7 mm
08566352	Direct Bury, Straight Connector - 8 mm
08566353	Direct Bury, End Stop - 8 mm
08566354	Direct Bury, Straight Connector - 10 mm
08566355	Direct Bury, End Stop - 10 mm
08566356	Direct Bury, Straight Connector - 12 mm
08566357	Direct Bury, End Stop - 12 mm
08566358	Direct Bury, Straight Connector - 14 mm
08566359	Direct Bury, End Stop - 14 mm
08566360	Direct Bury, Straight Connector - 16 mm
08566361	Direct Bury, End Stop - 16 mm
08566362	Direct Bury, Straight Connector - 20 mm
08566363	Direct Bury, End Stop - 20 mm





AIR COMPRESSORS

Compressed Air Cooler

Extreme heat can inhibit fiber optic cable installation and damage fiber optic cable and duct. When cable blowing, air is compressed and heat is generated. For example, air that enters a compressor at 100° F (37° C) exits the compressor at 350° F (176° C). At this temperature, fiber optic cable jacket and duct softening can occur. Heat problems can also occur if the duct run is exposed to direct sunlight. The Condux Compressed Air Cooler can help prevent heat damage to fiber optic cable and duct during cable blowing operations.

The Condux Compressed Air Cooler cools compressed air from a maximum temperature of 350° F (176° C), to within 20° F (11° C) of the ambient temperature. For example, if the ambient temperature is 100° F (37° C), air from the air compressor enters the air cooler at 350° F (176° C). That air will leave the cooler at approximately 120° F (49° C). Cooling the air reduces the chances of heat damage to the cable and duct. The Condux Compressed Air Cooler also removes moisture from the air. Water from humid air can dilute cable blowing lubricant and collect in the duct run.

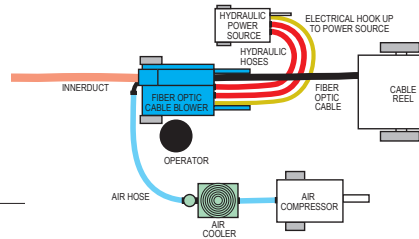
Use of the Condux Compressed Air Cooler is recommended when ambient air temperatures reach 90° F (32° C) or more and/or the duct is exposed to direct sunlight.

Minimum ambient operating temperature: 35° F (1° C)

Maximum inlet operating temperature: 350° F (176° C)

Maximum operating pressure: 250 psi (17 bar)

Part Number	Description
08761700	Air Cooler
02291174	1 Quart Air Oil



M17 Air Compressor with Air Cooler

The Mobilair™ M17 is a rugged and dependable unit that is perfect for a variety of applications. With a folding handle, oversized pneumatic tires, and compact design, this unit is easy to move around virtually any job site.

The M17 features Kaeser's power saving Sigma Profile™ airend. This efficient Kaeser design maintains steady pressure and puts out more air per hp, saving you gas. Driving these airends is a quiet but powerful Honda engine with modulation control which matches air output to the load demand. It has a simple electric starter with keyed ignition and an easy-to-read control panel.

The scratch, dent, and impact resistant rotomolded polyethylene shell takes a beating and still protects the unit. Inside, the compressors are protected by 4 micron inlet filters rated at 99.9% efficiency, allowing this unit to operate in virtually any construction environment. These units are a custom 35 cfm configuration and include an air cooler.



**recommended for the Condux Gulfstream™ 150, 250 and 300*

Part Number	Description
08785000	35 CFM @ 205 PSI (1 m3/min @ 14 bar) - Domestic Fittings
08785151	35 CFM @ 205 PSI (1 m3/min @ 14 bar) - International Fittings
08785050	3/8" 50 ft (9.5 mm 15 m) Hose with QDS (Domestic)
08785051	3/8" 50 ft (9.5 mm 15 m) Hose with QDS (International)

COMPRESSOR		GASOLINE ENGINE			PACKAGE		DIMENSIONS	
Model	Free Air Delivery at 205 psig (14.13 Bar)	Make	Power @ Full Load (hp)	Full Load Speed (rpm)	Off Load Running Speed (rpm)	Fuel Tank Capacity	Weight, dry	L x W x H
M17	35 cfm (1 m3/min)	Honda GX630	20.8 (15.51 KW)	3300	2200	5 gal (18.93 L)	445 lb. (201.85 kg)	42 in x 31 in x 31 in (108 cm x 80 cm x 78 cm)

Portable Hydraulic Power Packs

These portable power sources are matched perfectly to the power requirements of the Condux Fiber Optic Cable Puller and the Fiber Optic Cable Blower. See the chart below for specifications of each machine.



13 HP Power Pack

Part Number	Description
08675255	10 HP Hydraulic Power Pack, Electric
08675702	13 HP Variable Flow Power Pack
08675258	18 HP Hydraulic Power Pack, Gas
08675254	23 HP Hydraulic Power Pack, Diesel

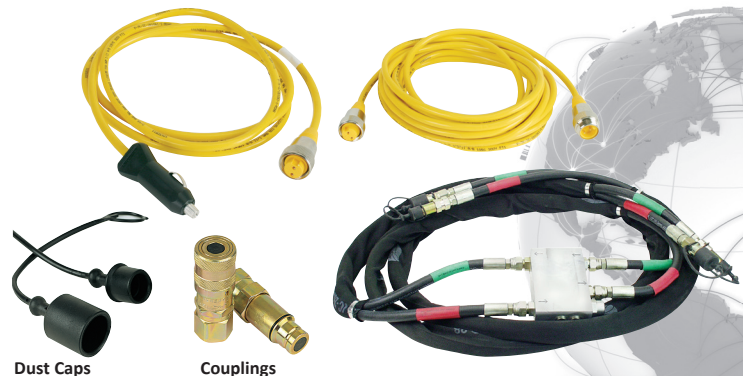
*Battery and fluids included, packaged separately for shipping

SPECIFICATIONS																
Power Pack Size	10 HP Power Pack*				13 HP Power Pack (recommended)				18 HP Power Pack*				23 HP Power Pack*			
Part Number	08675255				08675702 08675702INTL				08675258				08675254			
Hyd. System	Open Center															
Frame Type	Two Wheel Mobile Unit				Two Wheel Mobile Unit				Two Wheeled Mobile Unit				Two Wheel Mobile Unit			
Length	27.5" (698 mm)				26.5" (673 mm)				39" (991 mm)				39.0" (990 mm)			
Width	24.5" (622.3 mm)				20" (508 mm)				29" (737 mm)				28.8" (731 mm)			
Height	31.5" (800.1 mm)				27.5" (698 mm)				32" (813 mm)				36.5" (927 mm)			
Weight (Dry)	200 lbs (90.72 kg)				143 lbs (65 kg)				233 lbs (106 kg)				520 lbs (236 kg)			
Filtration	10 Micron Return Line Canister				10 Micron Return Line Canister				10 Micron Return Line Canister				10 Micron Return Line Canister			
Oil Cooler	Air to Oil with Ind. Fan				Air to Oil				Air to Oil				Air to Oil			
Engine	Baldor Electric				Gas				Gas				Diesel			
	10 HP 220V 3 Phase Motor				13 HP Honda GX390				18 HP				23 HP Kohler Tier 4 Compliant			
Fuel	-				1.6 gallons/6.4 liters				5 gallons/18.9 liters				5 gallons/18.9 liters			
Hydraulic Oil (Useable)	4 gallons/15.1 liters				5 gallons/18.9 liters				5.3 gallons/20.1 liters				4 gallons/15.1 liters			
Hydraulic Rated Flow	GPM @ PSI		LPM @ BAR		GPM @ PSI		LPM @ BAR		GPM @ PSI		LPM @ BAR		GPM @ PSI		LPM @ BAR	
	8.8	0	33.3	0	6.8	0	25.8	0	11	0	42	0	12	0	45.4	0
	8.0	2,000	30.2	138	5.9	1,800	22.4	138	10	2,000	38	138	12	2,000	45.4	138
					8.8	0	33.3	0								
				8.0	2000	30.2	138									
Hydraulic Relief Valve Pressure	2,100 PSI (145 BAR)				2,150 PSI (148 BAR)				2,150 PSI (148 BAR)				2,150 PSI (148 BAR)			

*Special Order

Hydraulic Power Pack Accessories

Part Number	Description
08675858	Hydraulic Hose Kit, 20' (6 m) Hose with Couplings
08780384	Hydraulic Hose with flow control manifold (GS400)
02260000	Hydraulic Coupling, Female Flat Face Faster 2FFN38-12NPT-F / Bruning FF371-8FP
02260100	Hydraulic Coupling, Male Flat Face Faster 2FFN38-12NPT-M / Bruning FF372-8FP
02260200	Dust Cap, Male Coupling
02260201	Dust Cap, Female Coupling
02286416	Power cord assembly extension, 2-pin straight, 20' (6 m)
08761248	Power cord with cigarette adapter



Dust Caps

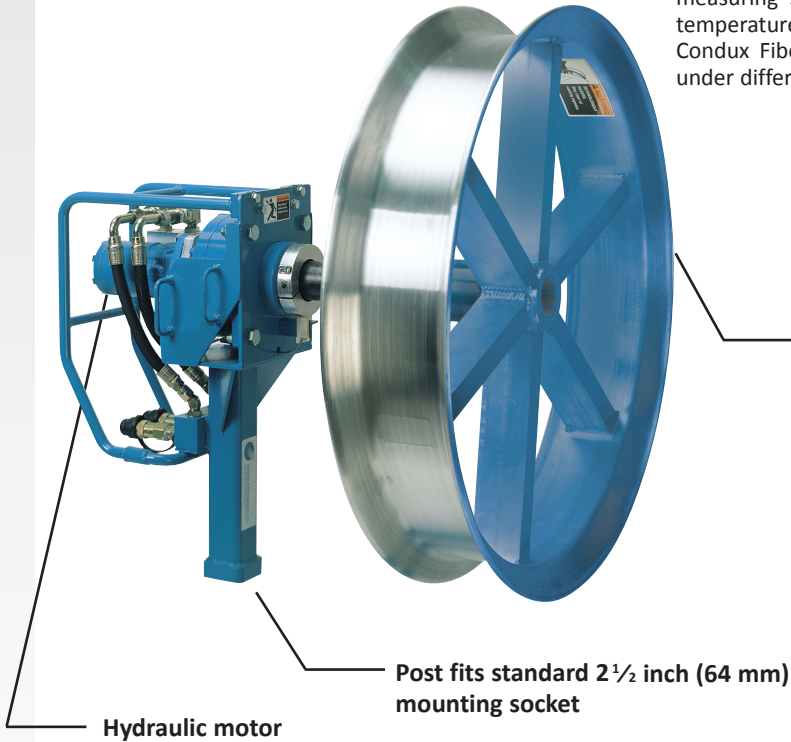
Couplings



FIBER OPTIC CABLE PULLER

Fiber Optic Cable Puller

The Fiber Optic Cable Puller from Condux sets new standards for safe, accurate pulling of fiber optic cables. Only the Condux puller can offer load cell torque input for the most accurate tension measuring available. Unlike most hydraulic measuring systems, this system is not affected by changes in oil temperature, component age and power source. That means the Condux Fiber Optic Cable Puller does not need to be recalibrated under different weather conditions.



- Capstan Sizes Available:**
- 12 inch (305 mm)
 - 30 inch (762 mm)
 - 42 inch (1,067 mm)
 - 50 inch (1,270 mm)
 - 62 inch (1,575 mm)



Standard Features

These pullers consist of a hydraulic motor and variable speed foot control. All pullers are calibrated for a maximum pull tension of 600 lbs on a 30" capstan; maximum pull tension can be adjusted using the manually adjustable pressure relief valve.

Optional Features

The Condux Fiber Optic Cable Puller features an optional electronic tension control system with adjustable digital load limits and a load cell tension measuring device with a paperless recorder and trend display, compact flash drive with 64MB flash card and USB interface (see page 126-127).

WARNING: The Fiber Optic Cable Puller is not to be used as a hoist or for lifting, supporting or transporting people or loads.

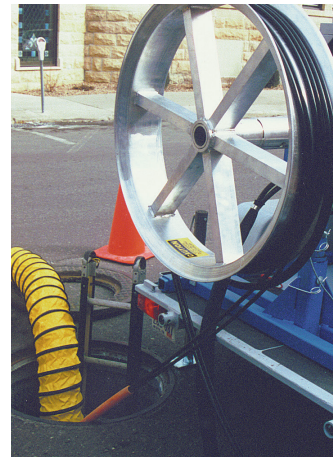
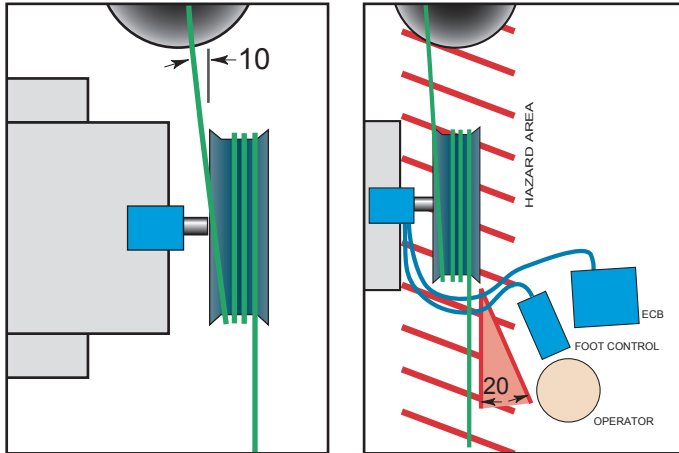


FIBER OPTIC CABLE PULLER



Easy to set up, Safe to use

Condux Fiber Optic Cable Pullers set up easily at a variety of jobsite layouts. Components are modular, adding to versatility and operator safety.



Variable Speed Foot Control

Like the accelerator pedal in your car or truck, the Variable Speed Foot Control allows the operator to easily manage the speed of the pull.

Recommended Hydraulic Power Source Specifications	
Pressure	0-2,000 psi (0-138 bar)
Flow	0-8 gpm (0-30 lpm)
Peak Power	13 HP (9.7 kW)

Fiber Optic Cable Puller Performance										
Capstan Diameter	12 in (305 mm)		30 in (762 mm)		42 in (1,067 mm)		50 in (1,270 mm)		62 in (1,575 mm)	
Max. Pulling Force	lbs	N	lbs	N	lbs	N	lbs	N	lbs	N
		2,000	8,900	900	4,000	600	2,670	540	2,400	430
Max. Pulling Speed*	ft/min	m/min	ft/min	m/min	ft/min	m/min	ft/min	m/min	ft/min	m/min
	98	30	240	74	340	100	410	120	500	150

* At no load and input of 8 gpm (30 lpm)

FIBER CABLE INSTALLATION





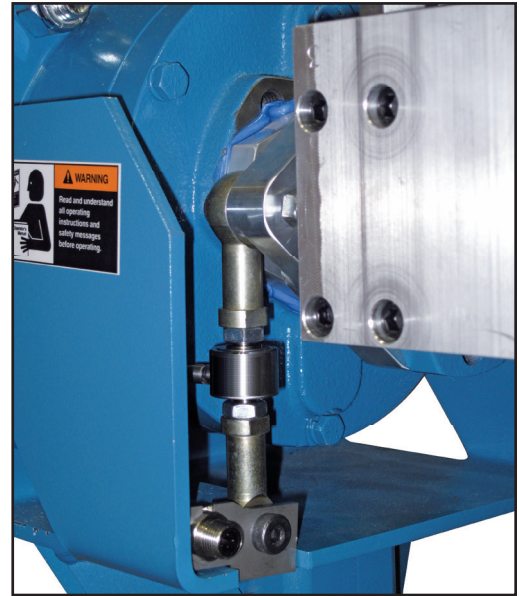
FIBER OPTIC CABLE PULLER



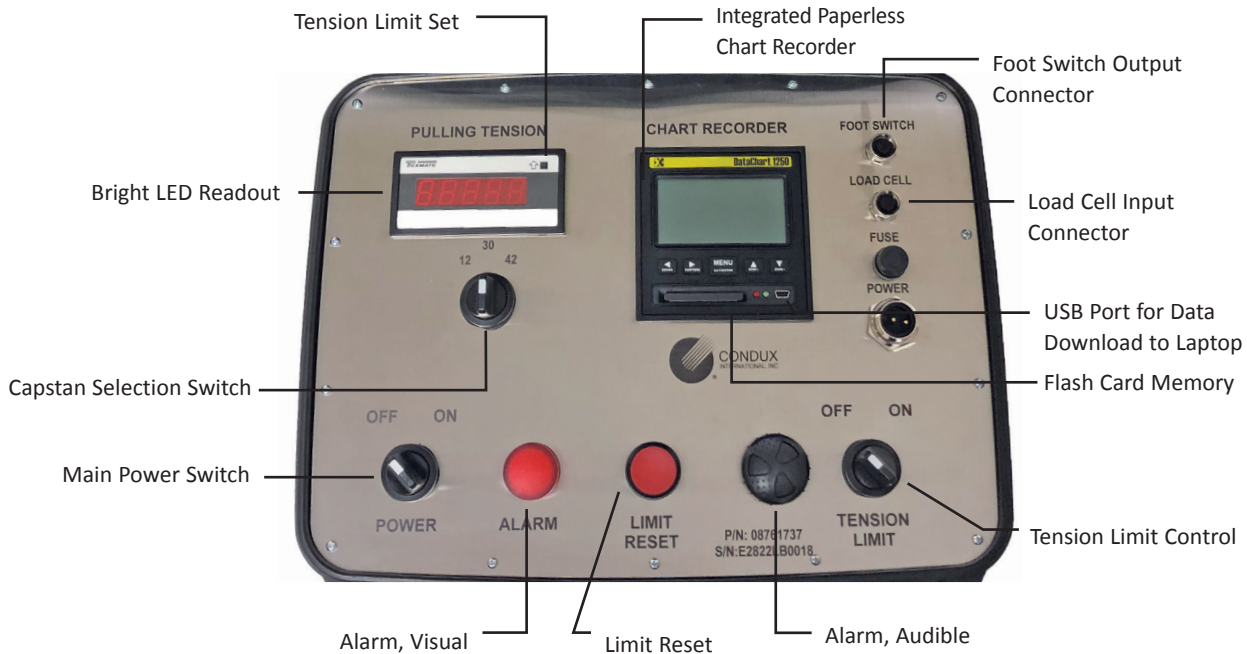
Electronic Control Box

Optional Electronic Control System

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



Electronic Controls: Easy, Informational, Durable





FIBER OPTIC CABLE PULLER PACKAGES



FIBER CABLE INSTALLATION

Fiber Optic Cable Pulling Packages

A complete fiber optic cable pulling jobsite setup requires a Fiber Optic Cable Puller (with foot control and hoses), a capstan, a puller mount, and a hydraulic power source. These components are purchased separately; the options for pullers, capstans, and mounts are listed below. Condux recommends a hydraulic power source capable of up to 8 gpm (30 lpm) and 2000 psi (138 bar) for use with the Fiber Optic Cable Puller (see page 123 for hydraulic power pack listings).



Fiber Optic Cable Pullers

Base Part Number	Description
08690002	Fiber Optic Puller - Includes Puller, Foot Control and Hoses.

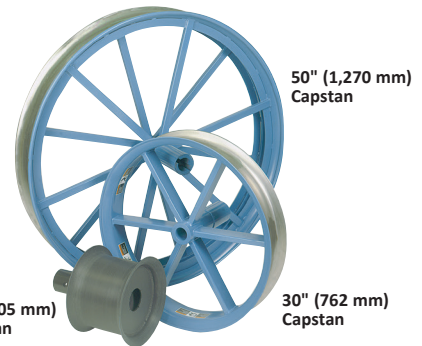
Base Part Number	Description
08690056	Fiber Optic Puller with ECB - Includes Puller, Foot Control, Hoses, and Electronic Control Box.

Capstans

For a standard 2⁷/₁₆" diameter bayonet style shaft.

Part Number	Diameter		Flat Width		Max. Cable O.D.		Load Rating	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lbs)	(kN)
08675213*	12	305	9	229	-	-	2,000	8.9
08675230	30	762	4	102	0.75	19	1,000	4.4
08675430	30	762	8	203	0.75	19	600	2.7
08675436	42	1,067	8	203	1.05	27	600	2.7
08675220	50	1,270	8	203	1.25	32	600	2.7
08675275	62	1,575	8	203	1.55	39	600	2.7

* Not to be used for fiber optic cable. Intended for pulling innerduct, power, telephone or coaxial cables.



Fiber Optic Cable Puller Mounts

Remote Mounting Stand

Allows positioning of the cable puller well away from the power source. Easy to set up, the unit is both sturdy and compact.

Part Number	Description
08675115	Remote Mounting Stand
08675282	Wide Remote Mounting Stand (required for 62" capstan)

Fiber Optic Cable Puller Hitch Mount

The Hitch Mount attaches directly into a typical 2" (51 mm) square Reese-type receiver. An adjustable jack is included for added stability and height adjustment. Pulling loads must not exceed 800 lbs. (3,559 N).

Part Number	Description
08675908	Fiber Optic Cable Puller Hitch Mount
08675930	Adjustable Fiber Optic Cable Puller Hitch Mount 22.5°

Pole Mounting Frame

A special plug drives into wood poles for added stability. Includes all mounting hardware.

Part Number	Description
08676000	Pole Mounting Frame and hardware

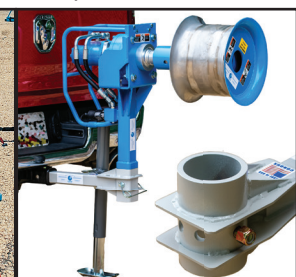
Mounting Sockets

Part Number	Description
02260801	Floor Socket Mount, cast
08675130	Base Mount
08675138	Side Mount

Remote Mounting Stand



Fiber Optic Puller Hitch Mount



Adjustable Hitch Mount 22.5°



Pole Mounting Frame



Mounting Sockets
1-Floor Socket Mount
2-Base Mount
3-Side Mount



FIBER OPTIC CABLE PULLER ACCESSORIES



Fiber Optic Cable Puller Package Upgrade Kit

Part Number	Description
08675920	Electronic Control Box Kit - Includes Chart Recorder and Load Cell

ECB Replacement Parts

Part Number	Description
02286416	2 Pin Extension Cord
02290108	Cord, Footswitch
08677375	Cord, Load Cell
08761248	Plug, Lighter Cord



Calibration Dynamometer

The Condux Fiber Optic Cable Puller is calibrated at the factory prior to shipment. The Calibration Dynamometer is used to check that the puller's calibration has not changed, especially if the relief valve has been adjusted in the field. On cable puller models equipped with an Electronic Control Box, the Calibration Dynamometer simply verifies the readings. Other load capacities available.

Number	Description
02261000	1,000 lb (454 kg) Calibration Dynamometer
02261040	4,000 lb (1814 kg) Calibration Dynamometer



Fiber Optic Mid-Assist

The Fiber Optic Mid-Assist is an ideal mid-point cable pulling solution. Portable components set up quickly. Fits in standard 2 1/2" (64 mm) square mounting socket. Capstan and Remote Mounting Stand sold separately (see page 127).

Number	Description
08675975	Remote Mount Mid-Assist



CONDUX

SLIP CLUTCH CAPSTAN



Slip Clutch Capstan

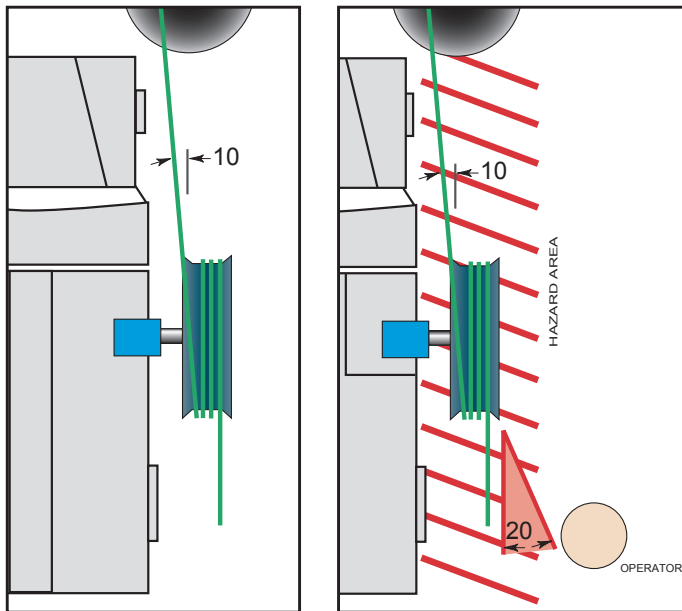
Slip Clutch Capstans from Condux are designed to mount directly on a bayonet style winch drive shaft. A factory preset torque limiter prevents pulling tensions from exceeding 600 pounds (2,670 N) \pm 10% (60 lbs or 267 N). If the preset load is reached, the capstan will "slip" and discontinue rotating.

High strength aluminum and steel construction ensures product durability and cable protection.

The capstan is designed for use with a 2 $\frac{7}{16}$ " (62 mm) diameter, AT&T specification bayonet style power take-off (PTO) shaft.



Part Number	Diameter		Flat Width		Max. Cable O.D.		Rating	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lbs)	(N)
08760030-06	30	762	4	102	.75	19	600	2670
08760040-06	42	1,067	8	203	1.05	26.7	600	2670
08760050-06	50	1,270	8	203	1.25	32.5	600	2670

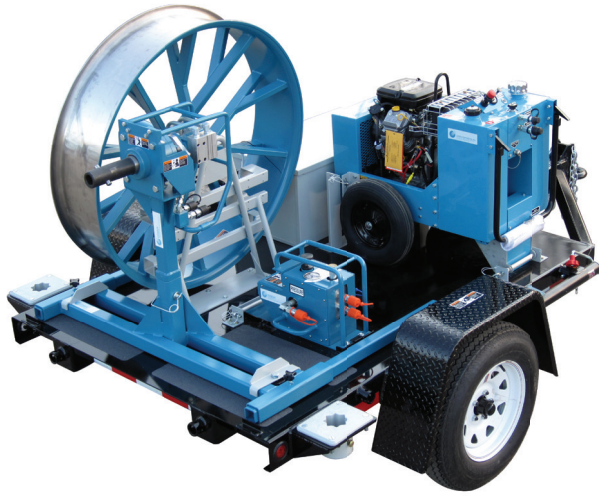


FIBER CABLE INSTALLATION





FIBER OPTIC CABLE PULLER TRAILER

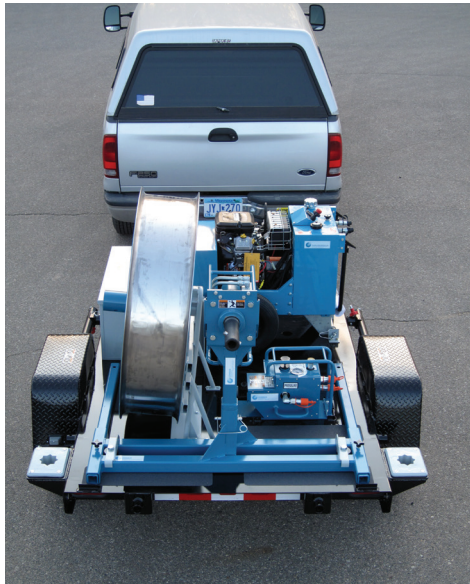


Open Style Fiber Optic Cable Puller Trailer

Access job sites with ease using the Condux Open Style Fiber Optic Cable Puller Trailer. The open style has advantages in portability, accessibility and cost.

On the job, gain easy access to all components with the open face design. Small items can be stowed in a lockable storage compartment. Leveling and stabilizing hardware is included. The Open Face Fiber Optic Cable Puller Trailer comes standard with built-in cable puller mounts on the left and right rear corners.

Options include a choice of two Condux Fiber Optic Cable Puller packages, choice of four capstans, a 13 HP (9.7 kW) Power Pack and a Remote Mounting Stand. The trailer bed is designed to accommodate standard and optional equipment with built-in mounting systems for secure travel.



Build your own Open Style Fiber Optic Cable Puller Trailer Kit

Use the **Base Part Number** shown below and also choose accessory options by part number when placing your order. All items are priced individually.

Base Part Number	Description
08675675	Open Style Fiber Optic Cable Pulling Trailer <small>(Includes: Trailer Flat Assembly, Wheel Chocks and Tool Box) *Some assembly required</small>

Choose one selection from each category:

1 **Fiber Optic Cable Puller Options:**
(Includes Foot Control and Hoses)

Part Number	Description
08690001	Fiber Optic Cable Puller without Electronics
08690055	Fiber Optic Cable Puller with Electronic Control Box and Paperless Chart Recorder

2 **Capstan Options:**

Part Number	Description
08675230	30" (762 mm) Capstan; 4" (102 mm) wide
08675430	30" (762 mm) Capstan; 8" (203 mm) wide
08675436	42" (1,067 mm) Capstan; 8" (203 mm) wide
08675220	50" (1,270 mm) Capstan; 8" (203 mm) wide

3 **Power Pack Option:**

Part Number	Description
08675702	13 HP (9.7 kW) Power Pack, Gas

4 **Stand Option:**

Part Number	Description
08675115	Remote Mounting Stand

Complete Fiber Optic Puller Trailer Packages

Packages include puller, capstan, remote mounting stand, and hydraulic power pack assembled on trailer.

Part Number	Description
08675740	30x4 Fiber Optic Puller/Trailer/Capstan Pkg
08675742	30x8 Fiber Optic Puller/Trailer/Capstan Pkg
08675744	42x8 Fiber Optic Puller/Trailer/Capstan Pkg
08675746	50x8 Fiber Optic Puller/Trailer/Capstan Pkg





FIBER OPTIC CABLE PULLER TRAILER



FIBER CABLE INSTALLATION

Accessible storage; all components are easy to see and use

4 Capstan sizes available

Trailer weighs 800 lbs. (363 kg) (without options)

Remote Mounting Stand (detachable)

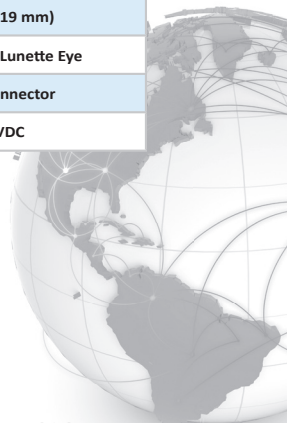
2 1/2 inch (64 mm) square mounting socket for use with any Fiber Optic Cable Puller

13 hp (9.7 kW) variable flow power pack

Power Supply	
Engine	HP Honda GX390
Horsepower	13hp @ 3600 rpm 11.9 kW @ 3600 rpm
Starting	Electric
Fuel	Unleaded Gas, 85 Octane Min, 10% or less ethanol blend
Fuel Capacity	1.6 gallons (6.4 L)
Speed Control	Variable

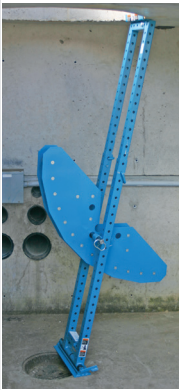
Hydraulics	
Capacity	8.0 gpm @ 2,000 psi (30.2 lpm @ 138 bar)
Reservoir	5.0 gallons (18.9 L)
Filtration	10 micron return line canister type
Hydraulic Oil Requirements	petro based, anti-wear, high viscosities over 140
Hydraulic Relief Valve Pressure	2,150 psi (148.3 bar)

Stand Alone Trailer Specifications	
Weight	800 lbs (363 kg)
Axle	3,500 lbs (1,590 kg) Type II
Tire	P205/75R14 Steel Belted Radials
Rims	14" x 6" (356 mm x 152 mm)
Track	60" (1,254 mm)
Overall Width	80" (2,032 mm)
Overall Height	48" (1,219 mm)
Hitch	3" (76 mm) Lunette Eye
Lighting	7 Pin Connector
Electronics	12 VDC





FIBER OPTIC JAMB SKIDS AND CABLE GUIDES



Fiber Optic Jamb Skid

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

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

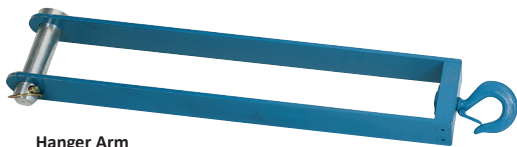
Part Number	Description	Manhole Height Range	
		(in)	(mm)
08097100	46" (1,168 mm) Base Section with locking pins	49-80	1,244-2,032
08097200	43" (1,092 mm) Extension		



Fiber Optic Quadrant Block

Protects fiber optic cable during installation. Pulling radius of 26" (660 mm); 13 aluminum rollers on bronze bearings allow cable to make a gradual 90° turn for easy pulling through manhole opening. Lightweight, corrosion-resistant aluminum side plates. Can be lowered into any manhole opening and chained in place for good alignment or used as a cable guide at street level. 2,600 lbs. (11,565 N) cable tension load capacity. 1½" (38 mm) maximum cable diameter (consult cable manufacturer for minimum bend radius). Support bar sold separately (see page 96). Replacement Sheaves available.

Part Number	Description
08539350	Quadrant Block
08539308	Replacement Sheave



Hanger Arm

Hanger Arms

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

Part Number	Description
08539320	Hanger Arm



Fiber Optic Hanger Block

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

Part Number	Description
08539550	Hanger Block
08539308	Replacement Sheave



FIBER OPTIC CABLE GUIDES



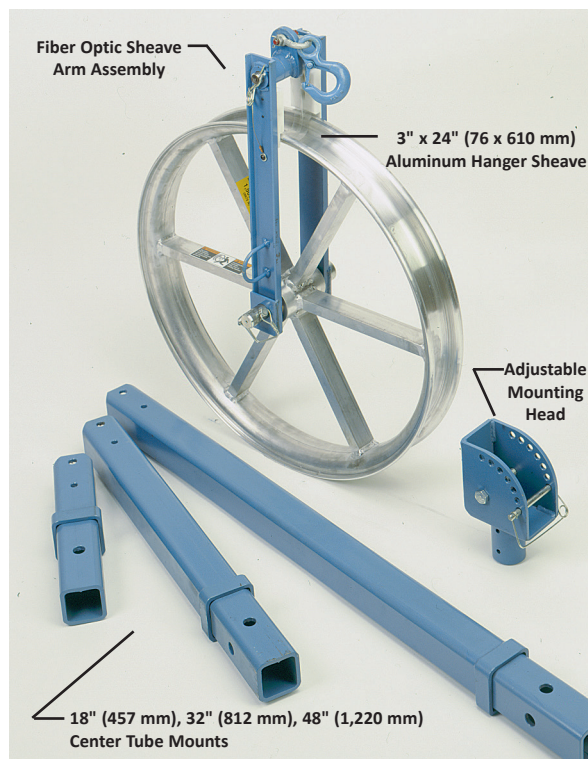
FIBER CABLE INSTALLATION

Fiber Optic Sheave Mount

Fiber Optic Sheave Mounts are an ideal solution to mid-point cable pulling situations. The adjustable sheave mount allows pinpoint adjustment from horizontal to vertical. Portable components set up quickly and adjust from job to job, offering maximum versatility with minimum equipment. Uses a standard 2½" (64 mm) square mounting post for use with FO Cable Puller Remote Mounting Stand or Mounting Sockets (see page 127).

Fiber Optic Sheave Mount Components

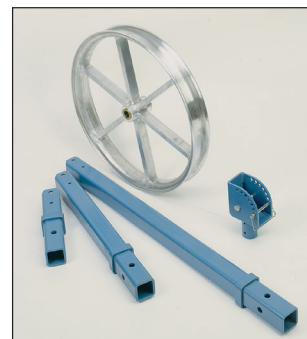
Part Number	Description
08637900	Adjustable Sheave Mounting Head (includes sheave mounting shaft & pins)
08637909	18" (457 mm) Center Tube Mount
08637910	32" (812 mm) Center Tube Mount
08637911	48" (1,220 mm) Center Tube Mount
08637912	Fiber Optic Sheave Arm Assembly
08637743	Fiber Optic Aluminum Hanger Sheave 3" x 24" (76 x 610 mm)
08675115	Fiber Optic Puller Remote Mounting Stand Assembly (See page 127 for details)



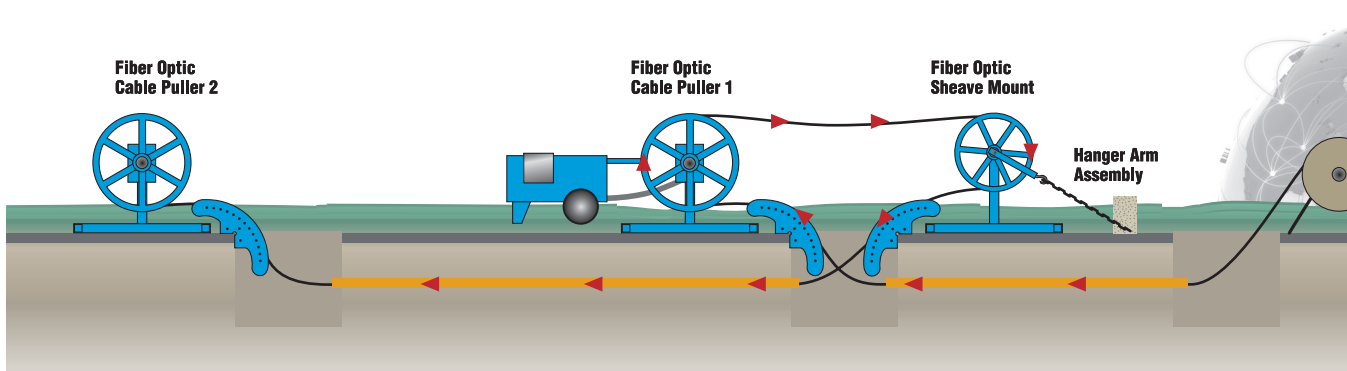
Package 1

Fiber Optic Sheave Mount Packages

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



Package 2



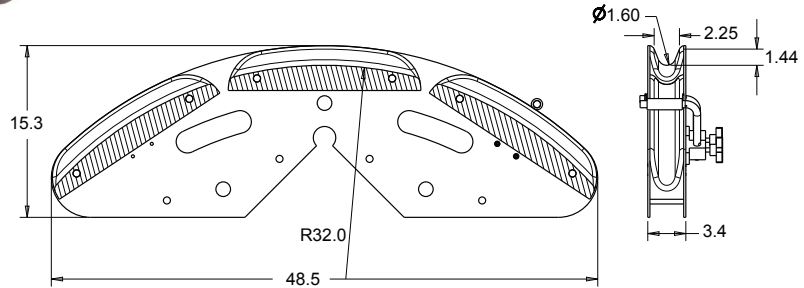


UHFC (ULTRA-HIGH FIBER COUNT) CABLE GUIDES



32 Inch Quad Block

Our latest Fiber Optic Quad Block protects high density fiber count cable during installation. Replacing traditional aluminum rollers with three sections of high density nylon provides over 45 contact inches of cable support - significantly reducing the occurrence of micro bends during installation. The 32" (81 cm) pulling radius allows cables up to 1.60" (4.1 cm) to make a gradual 90° turn for stress free pulling. Lightweight, corrosion-resistant aluminum side plates reduce the weight to a very manageable 37 lb (16.8 kg).



Part Number	Description	Max Fiber Cable Diameter*	Rated Load	Length	Height	Width	Weight
08539715	32" Fiber Quad Block	1.6 in/4.1 cm	600 lb/272 kg	48.5 in/123.2 cm	15.3 in/38.9 cm	3.4 in/8.6 cm	37 lb/16.8 kg

* Always refer to mfg's specifications for minimum bend radius under tension during installation.



36 Inch and 45 Inch Split Sheaves for Fiber Optic Cable

These larger diameter split sheaves are designed for safe installation of high fiber count cables in multiple applications. High fiber count cables require larger diameter service equipment so to not violate the minimum bend radius of the cable. Split sheaves can be easily carried below the surface in two pieces and then quickly assembled making them among the most versatile on the market and an ideal solution for mid-point installation situations. Available with or without hanger brackets adds even more flexibility to the installation process.

Features:

- Deep race races that protect and cradle the cable on the sheave
- Meets minimum bend radius requirements of most fiber optic cables
- Alignment markings and 4 tethered thumb screws make reassembly fast
- Self-lubricating bearings
- Cable retention guide pins

Part Number	Description	Max Fiber Cable Diameter	Sheave Land Width	Sheave Diameter	Weight	Rated Load
08637500	36" Split Sheave	0.9 in/2.3 cm	3.3 in/8.3 cm	36 in/91.4 cm	31 lb/14 kg	600 lb/272 kg
08637501	36" Split Sheave w/ Hanger Brackets	0.9 in/2.3 cm	3.3 in/8.3 cm	36 in/91.4 cm	59 lb/27 kg	600 lb/272 kg
08637505	45" Split Sheave	1.125 in/2.9 cm	3.3 in/8.3 cm	45 in/114.3 cm	38 lb/17 kg	600 lb/272 kg
08637506	45" Split Sheave w/ Hanger Brackets	1.125 in/2.9 cm	3.3 in/8.3 cm	45 in/114.3 cm	69 lb/31 kg	600 lb/272 kg

* Always refer to mfg's specifications for minimum bend radius under tension during installation.

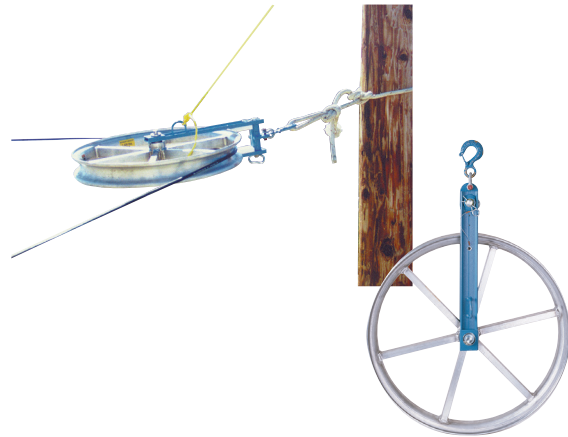


FIBER OPTIC CABLE GUIDES & LUBRICANT

Overhead Fiber Optic Cable Sheave

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

24-inch (610 mm) sheave diameter allows for a gentle cable arc. Aluminum sheave construction means durability with less weight. Maximum capacity is 1,500 lbs. (6,672 N). Replacement Sheaves available.



Part Number	Description
08637825	24" (610 mm) Overhead Fiber Optic Cable Sheave
08637743	Replacement Sheave

Underground Fiber Optic Cable Sheave

The Underground Fiber Optic Sheave has all the features of the Overhead Sheave (above) but with an additional second arm for convenient tie-off. Replacement Sheaves available.



Part Number	Description
08637800	Underground Fiber Optic Cable Sheave NOTE: Sheave Size 24" O.D.
08637806	Replacement Tie-Off Arm
08637743	Replacement Sheave

Polywater® Lubricant F

Polywater® Lubricant F is a high performance, pourable liquid recommended for long and difficult fiber optic cable pulls. It is slow drying and leaves a lubricating film after its water base evaporates. Polywater F does not stress crack low density polyethylene and is compatible with all types of cable jackets.



Part Number	Description	Min. Order Qty.
08230100	1 Quart (.9 liter) Squeeze Bottle	12 Bottles
08230101	1 Gallon (3.8 liter) Jug	4 Jugs
08230104	2½ Gallon (9.5 liter) Jug	2 Jugs
08230105	5 Gallon (19 liter) Pourable Pail	1 Pail
08230155	55 Gallon (208 liter) Drum	1 Drum

Polywater® Lubricant WF

Lubricant WF is a non-freezing form of the standard Lubricant F.

Part Number	Description	Min. Order Qty.
08230201	1 Gallon (3.8 liter) Jug	4 Jugs
08230204	2½ Gallon (9.5 liter) Jug	2 Jugs
08230205	5 Gallon (19 liter) Pourable Pail	1 Pail

For Cable Blowing Lubricants, see page 118.

