

## Duct Rodder Introduction

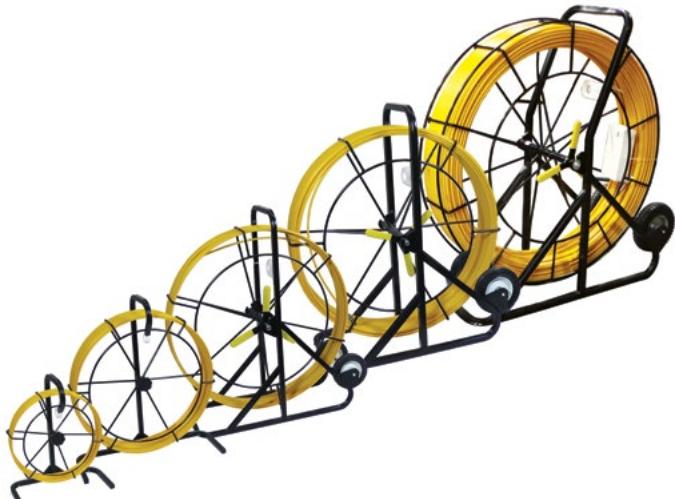
DCD offers one of the most comprehensive range of Duct Rodders available anywhere in the world - from the smallest 3/16" dia. Reel Rod to the rugged 1/2" Duct Rodders.

### The Rod

DCD's rods are manufactured from premium materials formulated to offer the high performance and durability demanded by our customers.

The core of the rod is manufactured by the pultrusion process. This involves impregnating high strength continuous glass fiber filaments with a liquefied resin. The fibers are drawn in to a heated die where the resin matrix is cured, bonding the fibers together and allowing mechanical loads to be transmitted through the matrix and distributed amongst the fibers.

The resulting pultruded rod combines both the high stiffness required to push the rod through long distances of ducting, with the flexibility to handle tight bends without damage. This inner core is then coated with a highly durable, scratch resistant polypropylene sheath which protects the core from mechanical damage.



### The Frames

Frames are also a feature of the DCD systems. The four largest sizes incorporate the new EZ-Tip™ feature, a larger footprint for stability, steel brake handles that will last forever, dual rod out-feeding positions, and wheels inside the frame width. The two smallest sizes feature reinforced frames with the feedout built into the handle. All frames can be laid down on either side. These are just some of the design features that will make every unit more usable and friendly for the end user.

### Rod Selection

Which is the right rod diameter for any given application? The rod selection is usually governed by several factors, including:

- The size of ducting it is to be pushed through
- The distance the rod is to be pushed
- The number and tightness of bends in the ducting
- If the ducting is already occupied by cable

When being pushed through the duct, any rod will tend to form "sine waves", hitting the wall of the duct at certain intervals. Each time the rod comes in contact with the wall of the duct, it causes friction. The friction will build and eventually prevent the rod from being pushed any further. Small rod in large duct will make a higher pressure contact with the ducting; the same rod in smaller duct will make less pressure on contact and therefore less friction, so it can be pushed further. Large rod in small ducting is a good situation, but reduced flexibility of the rod may cause increased friction in the tighter bends.

The chart below is a rough guide for rod diameter selection, but all of the above factors should be taken into consideration before making the final selection.

Rod Diameter	Threaded Connection	Tensile Strength of Rod	Typical Strength of Glued Connection	Typical Strength of Screwed Connection	Minimum Bend Radius	Typical Maximum Duct Diameter	Maximum Length of Push or Pull
3/16"	#12 UNC	2,200 lb	350 lb	-	4"	2"	300'
1/4"	5/16" UNC	4,070 lb	800 lb	1,050 lb	7"	2-1/2"	400'
5/16"	5/16" UNC	7,700 lb	850 lb	1,100 lb	10"	3"	600'
3/8"	3/8" UNC	8,580 lb	1,150 lb	1,150 lb	12"	4"	800'
7/16"	3/8" UNC	11,000 lb	1,750 lb	1,200 lb	16"	8"	1,200'
1/2"	3/8" UNC	13,000 lb	1,900 lb	1,250 lb	18"	10"	1,000'

**NOTE: All Duct Rodders are custom built to order and are non-returnable unless under warranty.**  
**All Replacement Rods will be shipped in a new cage for easy replacement onto the frame. Extreme care must be taken when handling loose fiberglass rod as it stores considerable energy and may cause severe injury.**

## Detectable Duct Rods

DCD Detectable Duct Rodders are available in 3/16", 5/16", and 7/16" diameter rods. They are available in the same lengths as the regular rodders and are mounted in the same frames. The purpose of the detectable rod is to be able to accurately locate existing ducting underground or to locate the position of a blockage within a duct.

Each DCD detectable duct rod unit is supplied with a terminal box mounted on the frame with male and female banana terminals for external hook up.

It is recommended that a Roller Guide (57150 series) be used in order to better make the connection between the end of the rod and the wall of the ducting. This is necessary in order to complete the circuit back to earth.

Any transmitter can then be hooked up to the terminal box with the second lead from the transmitter going to ground (spike into earth). Once switched on, the signal will be transmitted along the duct rod and a standard locator can then be used to locate the signal source from above ground.

DCD also offers various stainless steel Sonde Adapters (57170 series) for attaching a sonde unit to the Swivel Rod End (57135 series).

The Detectable Duct Rodders use 20 to 25 gauge copper wire.

Note: Caution should be exercised when ordering long lengths because the signal will diminish with distance traveled.

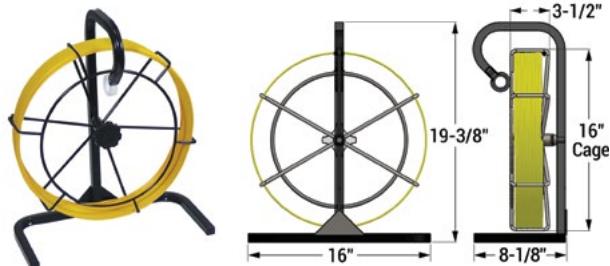


## Reel Rod - 3/16" Diameter

The Reel Rod has a sturdy, powder coated, steel tube frame and features a 16" diameter storage basket. Up to 400' of rod can be stored in this basket. A light adjustable brake prevents the rod from reeling out of the basket under its own tension. The Reel Rod and the Fish Rod (51000 series) share common screw threads, allowing the use of the same accessories.

The standard Reel Rods include a male rod end and a pulling eye. The deluxe version includes accessories as listed below.

Although the fiberglass rods have very high reliability, improper handling can cause the rod to break. In these instances, repair is simple and can be carried out by any user.



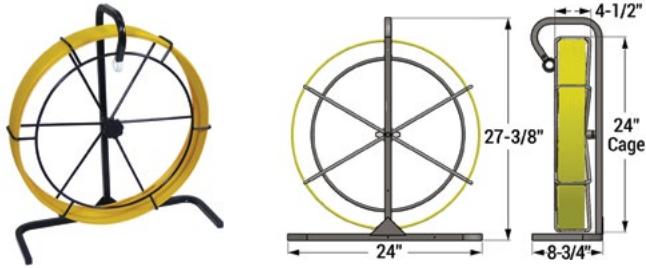
Deluxe 3/16" Rod	Deluxe Detectable Rod	Replacement Regular Rod	Replacement Detectable Rod	Rod Length	Weight	Deluxe Rod Accessories	Replacement Frame
52000-150	52200-150	52100-150	52400-150	150'	7.0 lb		
52000-200	52200-200	52100-200	52400-200	200'	10.0 lb		
52000-250	52200-250	52100-250	52400-250	250'	10.5 lb		
52000-300	52200-300	52100-300	52400-300	300'	11.0 lb		
52000-350	52200-350	52100-350	52400-350	350'	11.5 lb		
52000-400	52200-400	52100-400	52400-400	400'	12.0 lb		
52000-500	52200-500	52100-500	52400-500	500'	13.0 lb		
Splice Connectors (2) Flexible Guide Head (1) Roller Guide (1) Male Rod End (1) Fiberglass Adhesive (1) Rod Gripper (1) Accessory Pouch (1)							
52300-000							

Note: For Standard Rodder units that do not include accessories shown above, add 'X' to the part number.

**EXTREME CAUTION: Never use a Detectable Rodder in a live electrical environment. Electrical shock or death may result if conductive rod touches an exposed circuit.**

## Tuf Rod - 1/4" Diameter

This unit is mounted in a convenient frame with carrying handle similar to, but larger than the 3/16" unit and the rod is housed in a 24" diameter storage basket. The end fittings are the same as those offered with the slightly larger 5/16" rod – all stainless steel and with DCD's unique design allowing the fittings to be attached by either screwing or gluing onto the rod core. Thread sizes for all connections are 5/16" UNC.



Minimum bend radius is 7" and sizes available are from 150' up to 500'. DCD does not recommend pushing lengths over 500' unless in relatively small ducting 2" dia. or smaller. Standard Rodders come complete with stainless steel swivel rod end, female rod end and a pulling eye, while the deluxe version includes accessories as listed below.

Deluxe 1/4" Rod	Replacement Regular Rod	Rod Length	Weight	Deluxe Rod Accessories	Frame Replacement
52500-150	52600-150	150'	12 lb		
52500-200	52600-200	200'	13 lb		
52500-250	52600-250	250'	14 lb		
52500-300	52600-300	300'	15 lb		
52500-350	52600-350	350'	16 lb		
52500-400	52600-400	400'	17 lb		
52500-500	52600-500	500'	19 lb		
52500-600	52600-600	600'	22 lb		

Note: For Standard Rodder units that do not include accessories shown above, add 'X' to the part number.

## Ruf Rod - 5/16" Diameter

The 5/16" Ruf Rod is one of the most popular sizes because of its versatility in both small and medium size ducts. It is the smallest of the wheel frames and at well under 3' in height or length, it is easy to store or load onto your vehicle.

Although DCD only recommends lengths up to 800', the standard cage will hold up to 1,000'. The longer lengths should only be used in smaller ducts (up to 2-1/2" dia.) and when there are few bends. The standard unit includes a female rod end, a swivel rod end and a pulling eye. The deluxe version includes accessories as listed below. All accessories that attach to the rod can be glued in the traditional manner or can be clamped with set screws. For extra security, they can be both glued and clamped.



Deluxe 5/16" Rod	Deluxe Detectable Rod	Replacement Regular Rod	Replacement Detectable Rod	Rod Length	Weight	Deluxe Rod Accessories	Frame Replacement
53500-200	53700-200	53600-200	53800-200	200'	32 lb		
53500-250	53700-250	53600-250	53800-250	250'	34 lb		
53500-300	53700-300	53600-300	53800-300	300'	36 lb		
53500-350	53700-350	53600-350	53800-350	350'	38 lb		
53500-400	53700-400	53600-400	53800-400	400'	40 lb		
53500-500	53700-500	53600-500	53800-500	500'	44 lb		
53500-600	53700-600	53600-600	53800-600	600'	48 lb		
53500-700	53700-700	53600-700	53800-700	700'	52 lb		
53500-800	53700-800	53600-800	53800-800	800'	56 lb		
53500-900*	53700-900*	53600-900	53800-900	900'	60 lb		
53500-1000*	53700-1000*	53600-1000	53800-1000	1,000'	64 lb		

\* These lengths require the full capacity of the frame and are difficult to rewind into the cage without due care and attention to the layering of the rod.

Note: For Standard Rodder units that do not include accessories shown above, add 'X' to the part number.

**EXTREME CAUTION: Never use a Detectable Rodder in a live electrical environment. Electrical shock or death may result if conductive rod touches an exposed circuit.**

## Ruf Rod - 3/8" Diameter

The 3/8" Ruf Rod features a 34" diameter storage basket which comfortably stores up to 800' of fiberglass rod. The Standard Ruf Rods include a female rod end, a swivel rod end, and a pulling eye. The deluxe version includes accessories as listed below.

All accessories that attach to the rod can be glued in the traditional manner or can be clamped with set screws. For extra security, they can be both glued and clamped.



Deluxe 3/8" Rod	Replacement Regular Rod	Rod Length	Weight	Deluxe Rod Accessories	Frame Replacement
54000-200	54100-200	200'	49 lb		
54000-300	54100-300	300'	55 lb		
54000-400	54100-400	400'	61 lb		
54000-500	54100-500	500'	67 lb		
54000-600	54100-600	600'	73 lb		
54000-700	54100-700	700'	79 lb		
54000-800	54100-800	800'	85 lb		
54000-900*	54100-900	900'	91 lb		
54000-1000*	54100-1000	1,000'	97 lb		

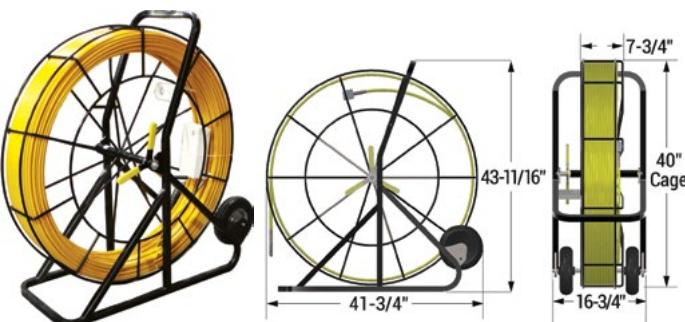
\* These lengths require the full capacity of the frame and are difficult to rewind into the cage without due care and attention to the layering of the rod.

Note: For Standard Rodder units that do not include accessories shown above, add 'X' to the part number.

## Ruf Rod - 7/16" Diameter **NEW DESIGN**

The 7/16" Ruf Rod features our largest frame with a 40" diameter storage basket, which can hold up to 1500' of 7/16" fiberglass rod. The frame has been recently redesigned to have wider gussets and added rings and spokes for increased durability.

The standard Ruf Rods include a female rod end, a swivel rod end, and a pulling eye. The deluxe version includes accessories as listed below. All accessories that attach to the rod can be glued in the traditional manner or can be clamped with set screws. For extra security, they can be both glued and clamped.



Deluxe 7/16" Rod	Deluxe Detectable Rod	Replacement Regular Rod	Replacement Detectable Rod	Rod Length	Weight	Deluxe Rod Accessories	Frame Replacement
56000-400	56200-400	56100-400	56300-400	400'	84 lb		
56000-500	56200-500	56100-500	56300-500	500'	94 lb		
56000-600	56200-600	56100-600	56300-600	600'	104 lb		
56000-700	56200-700	56100-700	56300-700	700'	114 lb		
56000-800	56200-800	56100-800	56300-800	800'	124 lb		
56000-900	56200-900	56100-900	56300-900	900'	134 lb		
56000-1000	56200-1000	56100-1000	56300-1000	1,000'	144 lb		
56000-1100	-	56100-1100	-	1,100'	154 lb	Splice Connector (1) Flexible Guide Head (1) Roller Guide (1) Clevis End (1) Fiberglass Adhesive (1) Rod Gripper (1) Accessory Pouch (1)	56300-000
56000-1200	-	56100-1200	-	1,200'	164 lb		
56000-1300	-	56100-1300	-	1,300'	174 lb		
56000-1400*	-	56100-1400	-	1,400'	184 lb		
56000-1500*	-	56100-1500	-	1,500'	194 lb		

\* These lengths require the full capacity of the frame and are difficult to rewind into the cage without due care and attention to the layering of the rod.

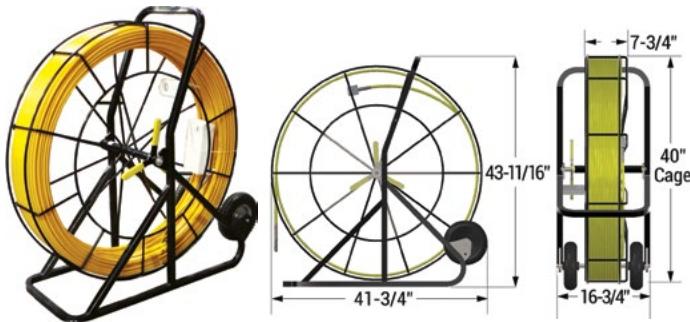
Note: For Standard Rodder units that do not include accessories shown above, add 'X' to the part number.

**EXTREME CAUTION: Never use a Detectable Rodder in a live electrical environment. Electrical shock or death may result if conductive rod touches an exposed circuit.**

## Ruf Rod - 1/2" Diameter NEW DESIGN

The 1/2" Ruf Rod completes the range of DCD Duct Rodders. The storage basket is the same as the for the 7/16" rod at 40" diameter and can store up to 1000' of the 1/2" fiberglass rod.

The standard Ruf Rods include a female rod end, a swivel rod end and a pulling eye. The deluxe version includes accessories as listed below. All accessories that attach to the rod can be glued in the traditional manner or can be clamped with set screws. For extra security, they can be both glued and clamped.



Deluxe 1/2" Rod	Replacement Regular Rod	Rod Length	Weight	Deluxe Rod Accessories	Frame Replacement
56500-400	56600-400	400'	107 lb		
56500-500	56600-500	500'	120 lb		
56500-600	56600-600	600'	134 lb		
56500-700	56600-700	700'	147 lb		
56500-800	56600-800	800'	161 lb		
56500-900*	56600-900	900'	175 lb	Splice Connector (1) Flexible Guide Head (1) Roller Guide (1) Clevis End (1) Fiberglass Adhesive (1) Rod Gripper (1) Accessory Pouch (1)	
56500-1000*	56600-1000	1,000'	188 lb		56300-000
56500-1200*	56600-1200	1,200'	215 lb		

\* These lengths require the full capacity of the frame and are difficult to rewind into the cage without due care and attention to the layering of the rod.

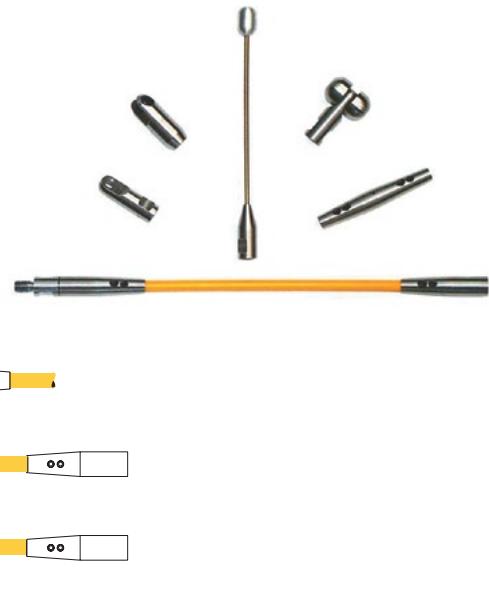
Note: For Standard Rodder units that do not include accessories shown above, add 'X' to the part number.

## Duct Rodder Accessories

All Duct Rodders are offered in standard or deluxe packages. Separate accessory kits are available with contents listed in the table below.

The larger 5/16", 3/8", 7/16" and 1/2" Rodders are supplied with stainless steel accessories and all components attaching directly to the rod are designed to be glued on in the traditional manner or can be attached by means of four clamping set screws or can be both glued and screwed. The accessories supplied on the product at the factory are attached by screws only and can be glued by the customer if required.

The obvious advantage of the clamping system is that repairs or product changes can be carried out easily in the field with no time delay to allow the glue to dry. Spare set screws and hexagon keys are also supplied.



## Accessory Kits

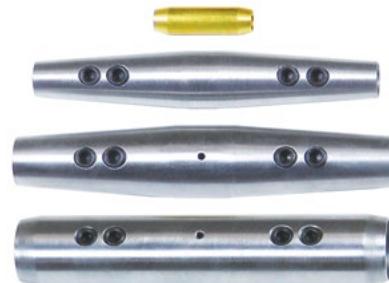
Accessory Kit Part No.	For Rod Diameter	Male Rod End (57135)	Splice Connector (57100)	Flexible Guide Head (57110)	Roller Guide (57150)	Clevis End (57160)	Fiberglass Adhesive (57170)	Rod Gripper (57170)	Accessory Pouch (57170)
57000-001	3/16"	1	2	1*	1	-	1	1	1
57000-003	1/4"	-	1	1	1	1	1	1	1
57000-005	5/16"	-	1	1	1	1	1	1	1
57000-004	3/8"	-	1	1	1	1	1	1	1
57000-006	7/16"	-	1	1	1	1	1	1	1
57000-007	1/2"	-	1	1	1	1	1	1	1

\* Refers to 57110-001.

## Splice Connectors

These products are used to repair a break in the rod. Having a solid section in the middle of the rod may cause problems with bending at that point and care should be taken when winding rod with a solid connector. The five larger sizes are stainless steel and can be glued or screwed on, the two smaller sizes are brass and must be glued.

Part No.	For Rod Diameter	Weight
57100-001	3/16"	0.01 lb
57100-003	1/4"	0.09 lb
57100-005	5/16"	0.09 lb
57100-004	3/8"	0.14 lb
57100-006	7/16"	0.14 lb
57100-007	1/2"	0.14 lb



## Non-Metallic Splice Connectors for Detectable Rodders

Like the 57100 Series, these products are used to repair a break in the rod, but this new 57101 Series is made from non-metallic material, allowing it to be used with our Detectable Rodders. Available in three sizes.

Part No.	For Rod Diameter	Weight
57101-001	3/16"	0.02 lb
57101-005	5/16"	0.04 lb
57101-006	7/16"	0.06 lb



## Flexible Guide Heads

Flexible Guides are used for leading the rod around tight bends. The two larger sizes are stainless steel, the smaller sizes are brass.



## Part No.

## For Rod Diameter

## Head Diameter

## Overall Length

## Threaded Connection

## Weight

57110-000	3/16"	5/16"	3-1/2"	#12 UNC	0.02 lb
57110-001	3/16"	3/8"	3-1/2"	#12 UNC	0.03 lb
57110-002	1/4", 5/16"	9/16"	6"	5/16" UNC	0.11 lb
57110-004	3/8", 7/16", 1/2"	3/4"	12"	3/8" UNC	0.27 lb

## Pulling Eyes

Pulling Eyes are used for tying wire or pull tape to the end of the rod or used as a leader. They screw directly onto the rod end and are supplied with the rodder.



Part No.	For Rod Diameter	Body Diameter	Threaded Connection	Weight
57120-000	3/16"	1/4"	#12 UNC	0.01 lb
57120-001	3/16"	3/8"	#12 UNC	0.02 lb
57120-002	1/4", 5/16"	1/2"	5/16" UNC	0.05 lb
57120-004	3/8", 7/16", 1/2"	5/8"	3/8" UNC	0.27 lb

## Rod Ends

These are used as a means of attaching accessories to the rod. Male rod ends are standard on the leading end of the smaller 3/16" rodders, which have no fitting on the back end. The larger rodders are all fitted with female ends on the back end of the rod.



Female Rod End Part No.	Male Rod End Part No.	For Rod Diameter	Body Diameter	Threaded Connection	Weight
-	57135-001	3/16"	1/4"	#12 UNC	0.01 lb
57130-003	57135-003	1/4"	1/2"	5/16" UNC	0.07 lb
57130-005	57135-005	5/16"	1/2"	5/16" UNC	0.07 lb
57130-004	57135-004	3/8"	5/8"	3/8" UNC	0.13 lb
57130-006	57135-006	7/16"	5/8"	3/8" UNC	0.13 lb
57130-007	57135-007	1/2"	5/8"	3/8" UNC	0.13 lb

## Swivel Connectors

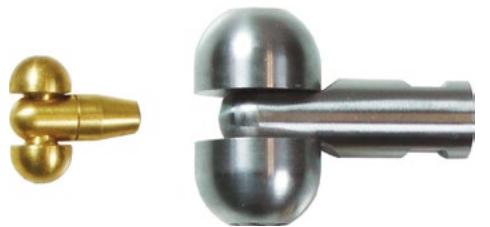
The Swivel Connector allows any attachment to the rod to rotate freely. These have bronze bearings and are supplied as standard on all 1/4" and larger rodders.



Part No.	For Rod Diameter	Body Diameter	Threaded Connection	Weight
57140-003	1/4"	1/2"	5/16" UNC	0.10 lb
57140-005	5/16"	1/2"	5/16" UNC	0.10 lb
57140-004	3/8"	5/8"	3/8" UNC	0.20 lb
57140-006	7/16"	5/8"	3/8" UNC	0.20 lb
57140-007	1/2"	5/8"	3/8" UNC	0.20 lb

## Roller Guides

The Roller Guide is used to push through conduit with cable already in place. The rollers prevent the rod from wedging in under the cable as they rotate on hardened shoulder bolts. The shank attaches directly to the swivel rod end to provide axial rotation. The Roller Guides are recommended for use with the detectable duct rods to make a better electrical connection with the walls of the ducting.



Part No.	For Rod Diameter	Body Diameter	Across Rollers	Threaded Connection	Weight
57150-001	3/16"	3/8"	1-1/16"	#12 UNC	0.05 lb
57150-002	1/4", 5/16"	1/2"	1-3/16"	5/16" UNC	0.14 lb
57150-004	3/8", 7/16", 1/2"	5/8"	1-11/16"	3/8" UNC	0.34 lb

## Clevis Ends

The Clevis allows attachment of pulling ropes, etc. without the need of extra shackles.



Part No.	For Rod Diameter	Body Diameter	Threaded Connection	Weight
57160-002	1/4", 5/16"	5/8"	5/16" UNC	0.08 lb
57160-004	3/16", 3/8", 7/16", 1/2"	7/8"	3/8" UNC	0.22 lb

## Sonde Connections

Other sizes may be available upon request.

Part No.	For Rod Diameter	Body Diameter	Threaded Connection	Weight	Type
57131-003	1/4"	1/2"	Rod to M10x1.5 Female	0.06 lb	
57131-005	5/16"	1/2"	Rod to M10x1.5 Female	0.06 lb	
57131-004	3/8"	5/8"	Rod to M10x1.5 Female	0.12 lb	
57131-006	7/16"	5/8"	Rod to M10x1.5 Female	0.13 lb	
57131-007	1/2"	5/8"	Rod to M10x1.5 Female	0.13 lb	
57170-001	3/16"	1/2"	#12 UNC Female to 1/4" UNC Male	0.04 lb	
57170-002	1/4", 5/16"	1/2"	5/16" Female to 1/4" UNC Male	0.04 lb	
57170-004	3/8", 7/16", 1/2"	5/8"	3/8" Female to 1/4" UNC Male	0.08 lb	
57170-007	3/8", 7/16", 1/2"	5/8"	3/8" Female to #12 Male	0.10 lb	
57170-011	3/8", 7/16", 1/2"	5/8"	3/8" UNC Female to 3/8" UNC Female	0.10 lb	
57170-014	3/16"	1/2"	#12 UNC Female to M10x1.5 Female	0.04 lb	
57170-015	1/4", 5/16"	5/8"	5/16" UNC Female to 3/8" UNC Male	0.10 lb	
57170-016	1/4", 5/16"	5/8"	5/16" UNC Female to 7/16" UNC Male	0.10 lb	
57170-021	3/16"	3/8"	#12 UNC Female to #12 UNC Female	0.04 lb	
57170-023	1/4", 5/16"	5/8"	5/16" UNC Male to 3/8" UNC Male	0.04 lb	
57170-024	3/16"	1/2"	#12 UNC Female to M5x0.8 Male	0.04 lb	
57170-028	1/4"	5/8"	1/4" UNC Female to 3/16" UNC Female	0.13 lb	
57170-030	3/8", 7/16", 1/2"	3/4"	3/8" Female to M12x1.75 Male	0.17 lb	
57170-003	1/4", 5/16"	1/2"	5/16" UNC Female to 1/4" UNC Male	0.10 lb	
57170-005	3/8", 7/16", 1/2"	5/8"	3/8" UNC Female to 1/4" UNC Male	0.13 lb	
57170-009	3/8", 7/16", 1/2"	5/8"	3/8" UNC Female to 3/8" UNC Male	0.14 lb	
57170-012	1/4", 5/16"	1/2"	5/16" UNC Female to M10x1.5 Female	0.10 lb	
57170-013	3/8", 7/16", 1/2"	5/8"	3/8" UNC Female to M10x1.5 Female	0.14 lb	
57170-017	1/4", 5/16"	5/8"	5/16" UNC Female to 5/16" UNC Male	0.14 lb	
57170-018	1/4", 5/16"	5/8"	5/16" UNC Female to 3/8" UNC Female	0.14 lb	
57170-019	3/8", 7/16", 1/2"	1/2"	M10x1.5 Female to M10x1.5 Male	0.13 lb	
57170-020	3/16"	1/4"	#12 UNC Female to M10x1.5 Female	0.11 lb	
57170-022	1/4", 5/16"	1/2"	5/16" UNC Female to M5x0.8 Female	0.11 lb	



Male Rod End Replacement



Rigid Adapter



Flexible Adapter



## Rod Counter

The Rod Counter is made from welded steel and aluminum and is designed to count the fiberglass rod as it's spooled off the Duct Rodder frame. It fits all of our Standard and Detectable rodder frames and works with all our diameter rods, from the small and compact 3/16" diameter Reel Rod to the heavy duty 1/2" diameter Ruf Rod. Smaller rods (3/16" and 1/4") require the S-bar Frame Adapter.

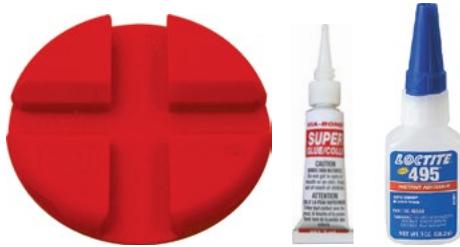
Part No.	Description	Fits Frames	Weight
57180-000	Rod Counter (Imperial)	5/16" - 1/2"	2.0 lb
57180-005	Rod Counter (Imperial) with Frame Adapter *	3/16" - 1/2"	2.2 lb
57181-000	Rod Counter (Metric)	5/16" - 1/2"	2.3 lb
57181-005	Rod Counter (Metric) with Frame Adapter *	3/16" - 1/2"	2.5 lb

\* Frame Adapter only fits 3/16" and 1/4" frames.

## Miscellaneous

It's always good to have these extra products on hand when working with Duct Rodders.

Part No.	Description	Weight
57170-006	Rod Gripper (for all rod sizes)	0.09 lb
57170-008	Fiberglass Adhesive (3 g)	0.01 lb
57170-010	Loctite Adhesive 495 Super Bonder (1 oz. bottle)	0.06 lb



## Wire Mesh Grips for Duct Rodders

The smaller sized Wire Mesh Grips come with an already attached swivel while the three largest sizes simply have a pulling eye. In both cases, they will screw to the 3/16" diameter Rod ends. They are especially useful for pulling bundles of small wires in premise applications.



Part No.	Size Range	Approximate Breaking Strength	Weight
60000-066	0.16" to 0.24" dia.	250 lb	0.01 lb
60000-060	0.24" to 0.35" dia.	250 lb	0.02 lb
60000-061	0.35" to 0.47" dia.	250 lb	0.03 lb
60000-062	0.47" to 0.59" dia.	250 lb	0.03 lb
60000-063	0.59" to 0.75" dia.	250 lb	0.06 lb
60000-064	0.75" to 0.98" dia.	250 lb	0.10 lb
60000-065	0.98" to 1.20" dia.	250 lb	0.16 lb

## Hand Rodder

DCD Hand Rods are high quality fiberglass with brass end fittings that easily attach together with 3/4" - 10 UNC threads. Hand Rods are available in 5' or 10' lengths.



Part No.	Rod Diameter	Length	Weight
57500-010	5/8"	10'	3.0 lb

## Fiber Optic Cage

Originally designed for Optical Fiber Cable designed to be installed to the home, this product allows the installer to pull a bundle of cable without its own spool. Its primary advantage is that it's significantly smaller and lighter than other products on the market.

Cable can be removed from its original packaging and secured into place on the frame, keeping the cable organized when the product is payed-out. The adjustable arms can be moved by hand, and allow for loading/unloading of a spool and operating the frame without any tools.

An additional handle for cranking the unit (not shown) also makes it very convenient to spool cable, extension cords, rope or hoses back onto the frame for quick jobsite cleanup. The bundle can be left on the frame for storage or zip-tied and removed for convenient bundling.



Part No.	Bundle Inside Diameter	Bundle Outside Diameter	Bundle Width	Weight
50500-010	4" to 18-1/2"	26" maximum	5" maximum	8.3 lb