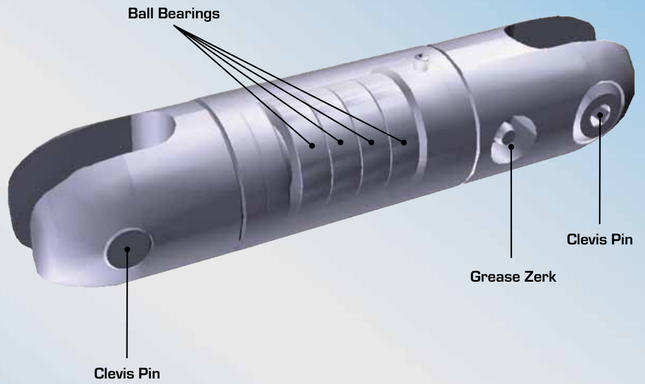
Why Choose Condux D.Drill Directional Drilling Swivels

Designed exclusively for directional drilling, the Condux D.Drill Swivels prevent the rotational torque of the boring equipment from interfering with the cable or conduit being pulled. Load ranges from 1,800 lbs to 120,000 lbs. Other products including grease are available from Condux to help make your job the safest and most productive.

The importance of productivity in today's construction industry is ever increasing. That's why we take pride in our long track record of working directly with the industries we serve. Condux offers specialized products that improve your productivity.



Engineering is the Difference

A central part of our manufacturing process is our Engineering capability. We have a fully staffed engineering team that designs all of the Condux products using Pro/ENGINEER and Pro/MECHANICA design software. All products are tested at our factory or by a third party testing firm. This ensures our customers are getting the safest and most reliable products on the market today.

Condux Engineering Capabilities

The capabilities of The Condux Engineering Team are comprised of the following:

- The Condux Engineering Team utilizes Pro/ENGINEER and Pro/MECHANICA software to design quality products manufactured by Condux International, Inc.
- Using the Pro/ENGINEER software's 3D capabilities, The Condux Engineering Team is able to validate design fits and design weights.
- The Condux Engineering Team further utilizes Pro/ENGINEER and Pro/MECHANICA software to verify design strength. This allows them to optimize the design for minimum weight and mechanical performance.
- The Condux Engineering Team has experience in Electrical and Hydraulic design and utilizes these in product design.

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ADDITIONAL CONDUX PRODUCTS

PE & PVC Pulling Eyes

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

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

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

Swivel Head Innerduct Pulling Eye

The Innerduct Pulling Eye is a hybrid tool that combines features from standard innerduct pulling eyes and Condux swivels. A swivel head prevents twisting and binding of the innerduct as it is installed. It eliminates the need for a separate swivel on each pulling eye when installing single innerducts into individual conduits or multiple innerducts into a single conduit. Its short length is an advantage on tight bends compared to using a separate swivel and pulling eye. Easily installed using a 1⅜" deep socket or adjustable wrench.

The Condux Winch Line Blower

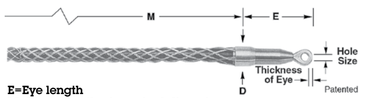
The Condux Winch Line Blower is a method of installing winch line in conduit. It turns the job of pulling winch line into one easy step, eliminating the need to blow a string and pull back a rope.

Using compressed air, 45 psi and 100 cfm, the winch line blower can propel 9/16" steel winch line, or 9/16" rope up to 1,600 feet, depending on job conditions, in conduit from 4" to 6" in diameter.

Installation is easy. No special tools are required. The blower's seal off threads into the duct.

Cable Pulling Grips

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



E=Eye length
M=Mesh length at nominal diameter

Complete Cable Installation Guide

The 172 page catalog contains over 600 photographs and illustrations depicting a wide range of underground and aerial products and applications. Let Condux make your next cable installation job faster, easier and safer.

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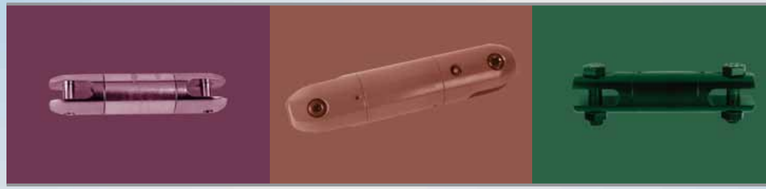
SAFETY • RELIABILITY • PRODUCTIVITY

CONDUX
D.Drill Swivels
directional drilling swivels



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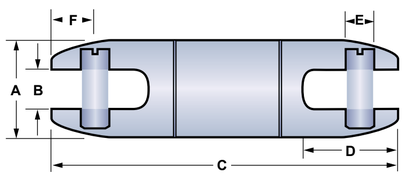
400 D.Drill Directional Drilling Swivels

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

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

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



Part Number	Working Load Tension (lbs)	Tension (N)	Compression (lbs)	Compression (N)	A (in)	A (mm)	B (in)	B (mm)	C (in)	C (mm)	D (in)	D (mm)	E (in)	E (mm)	F (in)	F (mm)
08190408	1,800	6,588	595	2,177	⅞	22	.38	9	4.83	122	1.03	26	.31	8	.53	13
08190412	4,000	14,641	1,300	4,758	1¼	32	.56	14	6.57	166	1.34	34	.37	9	.59	15
08190416	8,500	37,808	2,800	12,454	1⅝	41	.63	16	7.22	183	1.59	40	.56	14	.78	19
08190420	10,000	44,480	3,300	14,678	2	51	.75	19	8.29	210	1.77	45	.63	16	.71	18
08190425	20,000	88,960	6,600	29,357	2½	64	1.00	25	11.44	290	2.79	71	.88	22	1.23	31
08190430	30,000	133,440	10,000	44,480	3	76	1.31	33	13.27	337	3.56	90	1.13	28	1.37	34

400 D.Drill Replacement Parts

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

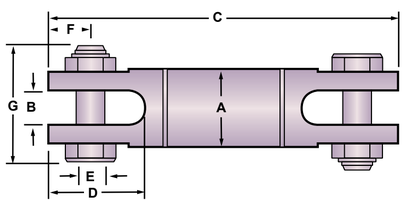
D.Drill® Directional Drilling SWIVELS

819 D.Drill Directional Drilling Swivels

Designed specifically for directional drilling, the Condux 819 D.Drill Swivels prevent boring equipments' rotational torque from interfering with the product (cable or conduit) being pulled. The D.Drill Swivels are greasable and double sealed to keep contaminants out. Clevis pins with hex nuts allow for installation and removal from either side of the swivel. There is a 90 day warranty on the directional drill swivels.

CAUTION: To be used for directional drilling only.

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



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

Part Number	Working Load Tension (lbs)	Tension (N)	Compression (lbs)	Compression (N)	A (in)	A (mm)	B (in)	B (mm)	C (in)	C (mm)	D (in)	D (mm)	E (in)	E (mm)	F (in)	F (mm)	G (in)	G (mm)
08190016	8,500	37,808	2,800	12,454	1⅝	41	.63	16	6.85	174	1.59	40	.56	14	.78	20	2.36	60
08190020	10,000	44,480	3,300	14,678	2	51	.75	19	7.83	199	1.81	46	.63	16	.75	19	2.89	73
08190025	20,000	88,960	6,600	29,357	2½	64	1.00	25	10.93	278	2.84	72	.88	22	1.25	32	3.67	93
08190030	30,000	133,440	10,000	44,480	3	76	1.31	33	12.75	324	3.56	90	1.13	29	1.37	36	4.50	114
08190040	45,000	200,160	15,000	66,720	4	102	1.63	41	15.25	387	4.00	102	1.25	32	1.84	47	5.58	142
08190045	60,000	266,880	20,000	88,960	4⅛	117	1.75	44	17.48	444	4.62	117	1.50	38	2.13	54	6.31	160
08190060	90,000	400,320	30,000	133,440	6	152	2.00	51	18.27	464	4.50	114	1.75	44	2.18	56	6.59	167
08190080	120,000	533,760	40,000	177,920	8	203	2.25	57	21.71	552	5.25	133	2.00	51	2.50	64	8.25	210

819 D.Drill Replacement Parts

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

Break-Away Directional Drilling SWIVELS

Break-Away Swivels for Directional Drilling

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

Six different diameter swivels are available to accommodate various pulling needs. Break loads range from 1,200 lbs. (5,338 N) to 24,000 lbs. (106,752 N) and are designed to separate at ±10% of their rated break load. Order Replacement Pins as needed.

Break-Away D.Drill® Swivel 1⅝"–3"
U.S. Patent No. 4,687,365. U.S. Patent No. 5,607,248.

Break-Away D.Drill® Swivel 1¼"–1⅜"
U.S. Patent No. 4,687,365.

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

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

1¼" Swivel (32 mm)

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

1⅜" Swivel (35 mm)

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

1⅝" Swivel (41 mm)

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

2" Swivel (51 mm)

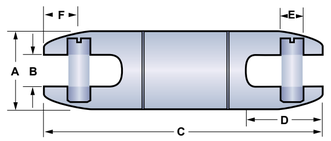
Part Number	Break Load (lbs)	(N)
08029200*	9,000	40,032
08029400*	10,000	44,480

2½" Swivel (64 mm)

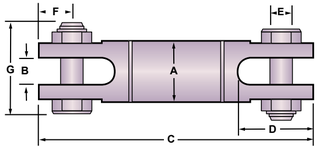
Part Number	Break Load (lbs)	(N)
08029600*	12,000	53,376
08029700*	14,000	62,272

3" Swivel (76 mm)

Part Number	Break Load (lbs)	(N)
08075600*	18,500	82,288
08075800*	22,000	97,856
08075830*	24,000	106,752



Use these dimensions when ordering the 1¼" (32 mm) and the 1⅜" (35 mm) swivels.



Use these dimensions when ordering the 1⅝" (41 mm), the 2" (51 mm), the 2½" (64 mm) and the 3" (76 mm) swivels.

A (in)	A (mm)	B (in)	B (mm)	C (in)	C (mm)	D (in)	D (mm)	E (in)	E (mm)	F (in)	F (mm)	G (in)	G (mm)
1¼	32	.56	14	5.44	138	1.34	34	.37	9	.59	15	-	-
1⅜	35	.56	14	5.25	133	1.31	33	.44	11	.56	14	-	-
1⅝	41	.63	16	6.85	174	1.59	40	.56	14	.78	20	2.36	60
2	51	.75	19	7.83	199	1.81	46	.63	16	.75	19	2.89	73
2½	64	1.00	25	10.93	278	2.84	72	.88	22	1.25	32	3.67	93
3	76	1.31	33	12.75	324	3.56	90	1.13	29	1.37	36	4.50	114