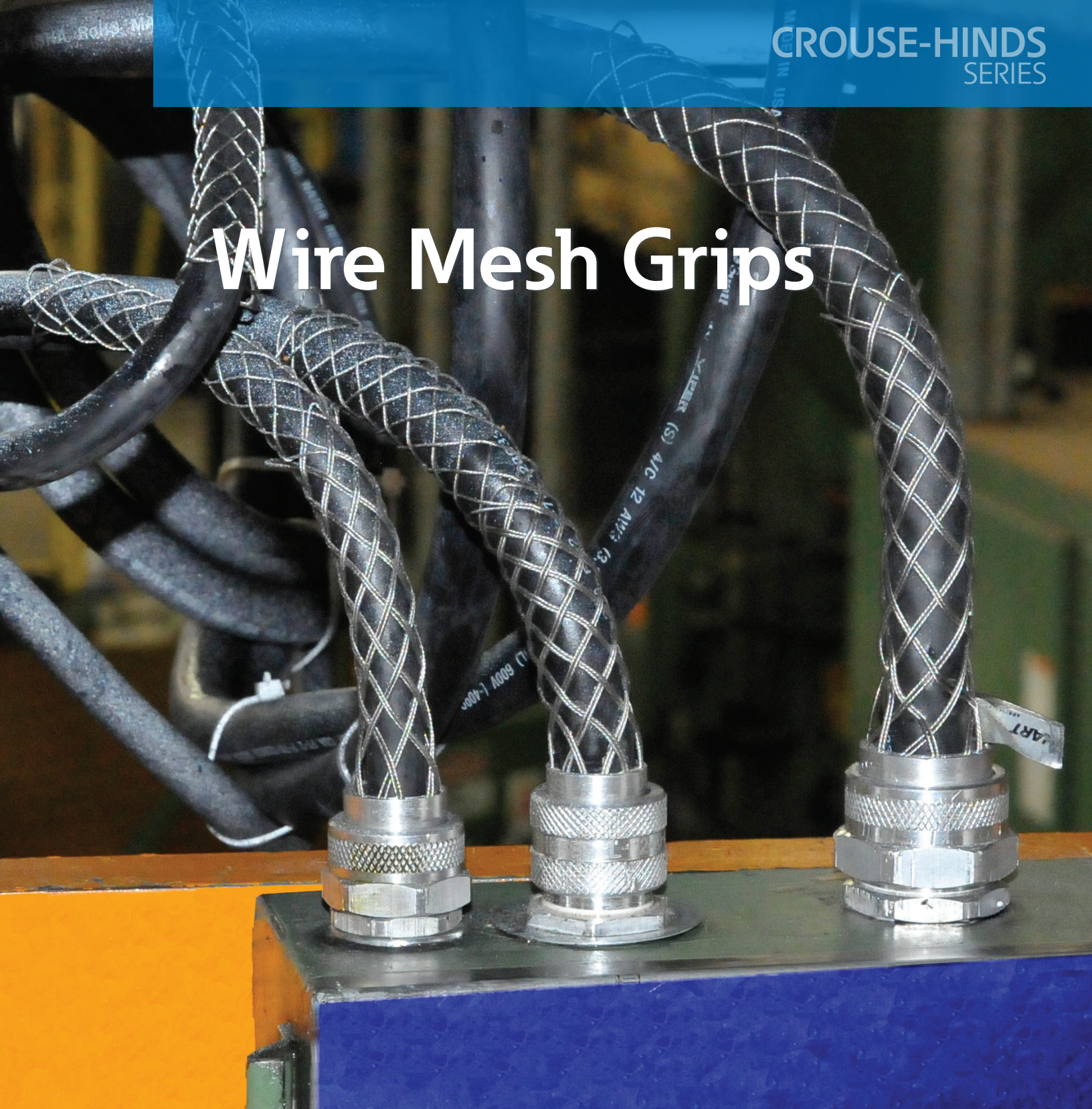


Wire Mesh Grips



EATON

Powering Business Worldwide

Wire mesh grips

Complete offering of wire mesh grips built tough for industrial applications

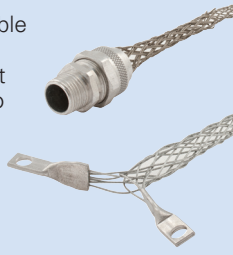
Wire mesh strengthens your situation

Eaton's complete offering of wire mesh grips is built tough for industrial applications. The broad selection of strain relief, pulling, and support grips are available in a wide range of styles and sizes to serve all of your cable protection needs.

Wire mesh grip families

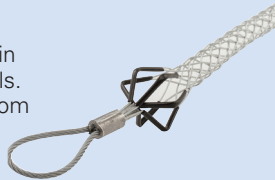
Strain relief grips

Strain relief grips are used to connect cable to enclosures and industrial equipment. These grips help prevent cable or conduit pull-out at the point of termination due to tension. Strain relief grips also distribute strain throughout the length of the mesh during bending, prolonging the life of the cable.



Pulling grips

Pulling grips serve as reusable tools for pulling cables, wires and/or rope in overhead and underground cable pulls. These grips help protect the cable from abrasion and ease the cable through bends and rough surfaces.



Support grips

Support grips distribute the weight of vertical drops and sloping runs over the length of the grip to help protect the cable from damage. A variety of hanging styles are available to service numerous cable support installations and preserve electrical connections.



Important safety and working load factors

Within certain families of grips, reference is made to an "approximate breaking strength". The approximate breaking strength represents an average calculation based upon actual tests on new, unused grips. Normal manufacturing conditions can produce a variation of as much as $\pm 20\%$ to the figures shown in our catalog.

The approximate breaking strength of any Crouse-Hinds series wire mesh cable grip is based on working load information established in laboratory testing. In making these determinations, it is not possible to cover all applications and operating conditions. Variables such as diameters, gripping surfaces, number of items gripped, tension, movement, attachment, abrasion, corrosion, prior use, or abuse must be assessed by the user. Greater safety factors should be utilized when the conditions of application are vague or unknown.

In order to assure safe installation and performance, it is imperative that adequate safety factors be taken into consideration to compensate for varied operating conditions to which wire mesh grips are subjected.

Wire mesh grips should never be used to the approximate breaking strength. For specific applications where strength and holding power are important, consult the manufacturer.

To determine the recommended working load safety factor for listed cable grips, divide the approximate breaking strength by 5 for Crouse-Hinds series pulling grips and 10 for Crouse-Hinds series support grips. Eaton maintains a 6 sigma safety factor for pulling grips and a 5 sigma safety factor for support grips for these recommended working loads (using average break strengths obtained on new grips under lab test conditions).

Example: For pulling grips – $33,000 \div 5 = 6,600$ lbs. which is the workload factor.

Example: For support grips – $10,080 \div 10 = 1,008$ lbs. which is the workload factor.

Wire mesh grips quick reference selection guide

Strain relief grips

Helps prevent cable pullout
Reduce stress and strain on conductors at point of wire termination



Deluxe cord grips

DC series

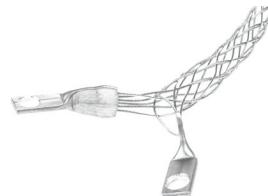
Indoor and outdoor use where cord is subjected to moisture. Wiring of pendant stations, processing equipment and hand tools.



Dust tight wide range

TC series

Indoor use. Connects flexible cord to electrical enclosures.



I-grips

I series

Indoor and outdoor use. Provides heavy duty strain relief on plug and connector cord assemblies and portable equipment.



Flexible metallic conduit grips

LT series

Connects liquid-tight conduit to electrical enclosures. Provides a liquid-tight seal and helps protect against cable damage caused by vibration, flexing and strain.

Support grips

Hold and support cables, metal rods, hose and tubing



Standard duty support

SG series

Indoor and outdoor use. Supports vertical cable runs up to 99 feet and loads up to 600 pounds. Available in various mesh styles and attachment means.



Heavy duty support

SGT series

Indoor and outdoor use. Support vertical cable runs over 100 feet and loads over 600 pounds. Closed mesh only, single and double eye.



Service drop support

SD series

Indoor and outdoor use. Supports light duty cable, fiber optic cable and service entrance cable.



Bus drop support

BD series

Indoor use. Light duty support for overhead flexible cables or bus drop cables.

Pulling grips

Reusable cable installation tool



Junior pulling

LPJ series

Indoor use. Low tension pulls of insulated building wire through conduit.



Light duty

LP series

Indoor and outdoor use. Light pulls in general underground electrical construction.



Medium duty

UP series

Recommended for heavy or rugged applications and ideal for overhead and underground pulling applications.



Heavy duty

PH series

Handle longer or heavier pulling jobs such as installation of underground cables, communication lines and service lines.



Multi-weave

PM series

Designed for pulling aluminum or copper bare conductor, wire rope and insulated cables.



Slack

SK series

Indoor and outdoor use. Pulls slack for final placement of underground cable and removes old cable.

Strain relief grips

Reduce downtime and maintenance while helping ensure safety in your facility

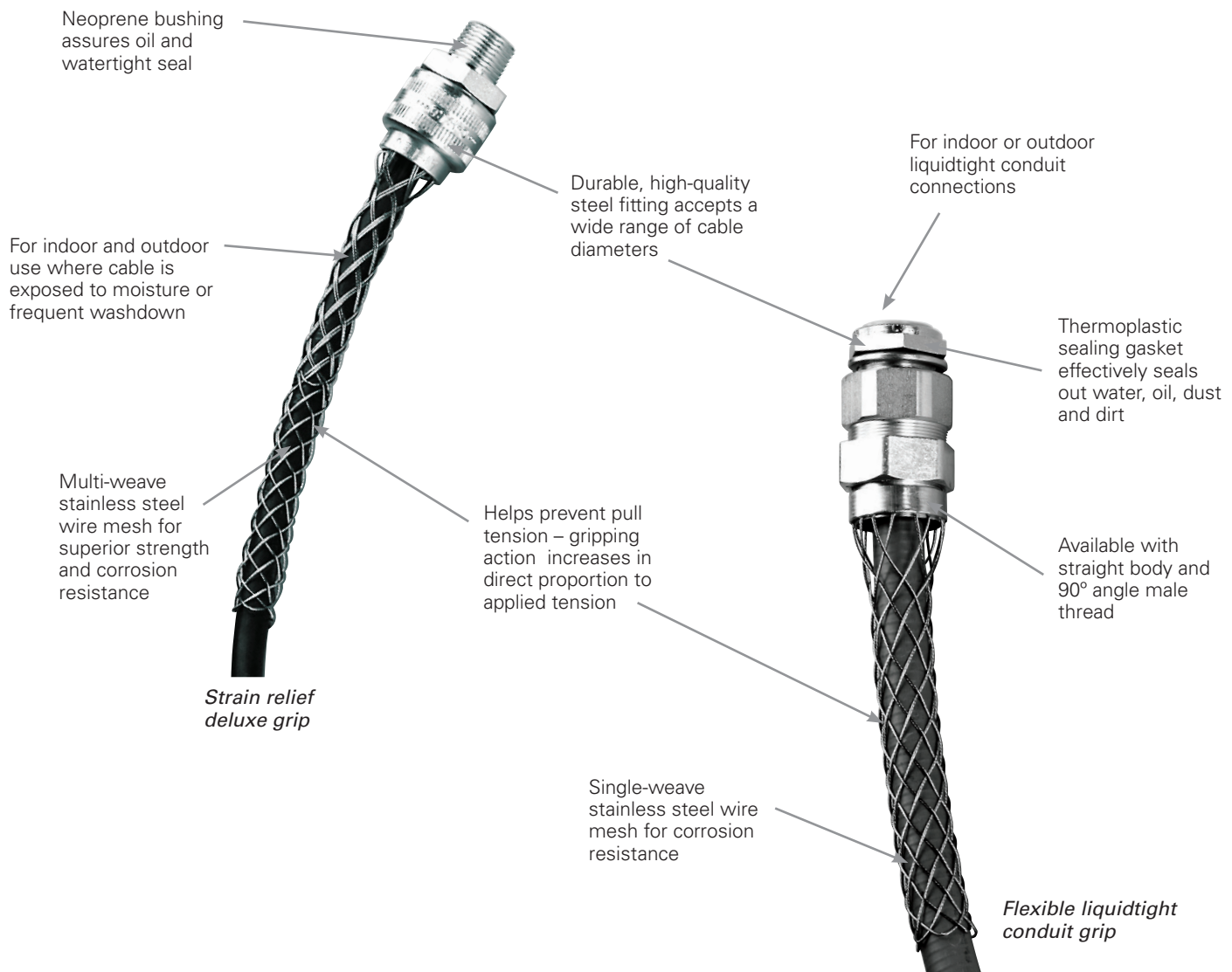
Strain relief grips help prevent cable, cord and conduit pullout due to stress, strain, vibration or movement. Support grips provide both holding and support of drops and runs – using both styles will help preserve electrical connections

Deluxe cord grips

Features & applications

- Deluxe cord grips are woven of 304 stainless steel mesh with an aluminum body for corrosion resistance
- They are offered in single/double weave construction to help absorb direct pull, to resist flexing and binding and to help eliminate strain
- Helps prevent pull tension to help avoid cable pullout and system downtime
- Helps eliminate direct tension from terminals removing strain from critical electrical connection
- For use where cable or cord is exposed to moisture or where frequent washdown occurs. Ideal for food processing equipment, hand tools, pendant stations, pumps, compressors and Crouse-Hinds series pin & sleeve plugs and connectors
- Deluxe grips are suitable for use in hazardous locations per Class I, Div. 2; Class II, Div. 1 & 2; and Class III, Div. 1 & 2

Wire mesh grips features & benefits



Deluxe cord grips 3/8" - 1-1/2"

Product description

3/8", 1/2", 3/4", 1", 1-1/4" & 1-1/2" NPT  



Deluxe cord grips
straight male connector



Deluxe cord grips
90° male connector



Deluxe cord grips
45° male connector



Deluxe cord grips
straight female connector

NPT	Cord diameter	Straight male cat. #	90° Male cat. #
3/8"	0.19-0.25" (4.8-6.4mm)	DC000187	DC000187-90
3/8"	0.25-0.31" (6.4-7.9mm)	DC000250	DC000250-90
3/8"	0.31-0.38" (7.9-9.7mm)	DC000312	DC000312-90
3/8"	0.38-0.50" (9.7-12.7mm)	DC000375	DC000375-90

NPT	Cord diameter	Straight male cat. #	90° Male cat. #	45° Male cat. #	Straight female cat. #
1/2"	0.19-0.25" (4.8-6.4mm)	DC100187	DC100187-90	DC100187-45	DC100187-F*
1/2"	0.25-0.38" (6.4-9.6mm)	DC100250	DC100250-90	DC100250-45	DC100250-F*
1/2"	0.38-0.50" (9.7-12.7mm)	DC100375	DC100375-90	DC100375-45	DC100375-F*
1/2"	0.50-0.63" (12.7-16.0mm)	DC100500	DC100500-90	DC100500-45	DC100500-F*
1/2"	0.63-0.75" (16.0-19.1mm)	DC100625*	—	—	—
1/2"	0.75-0.88" (19.1-22.4mm)	DC100750*	—	—	—

NPT	Cord diameter	Straight male cat. #	90° Male cat. #	45° Male cat. #	Straight female cat. #
3/4"	0.25-0.38" (6.4-9.6mm)	DC200250	DC200250-90	DC200250-45	DC200250-F*
3/4"	0.38-0.50" (9.7-12.7mm)	DC200375	DC200375-90	DC200375-45	DC200375-F*
3/4"	0.50-0.63" (12.7-16.0mm)	DC200500	DC200500-90	DC200500-45	DC200500-F*
3/4"	0.63-0.75" (16.0-19.1mm)	DC200625	DC200625-90	DC200625-45	DC200625-F*
3/4"	0.75-0.88" (19.1-22.4mm)	DC200750*	—	—	—

NPT	Cord diameter	Straight male cat. #	90° Male cat. #	45° Male cat. #	Straight female cat. #
1"	0.44-0.56" (11.2-14mm)	DC300437*	DC300437-90	DC300437-45*	DC300437-F*
1"	0.56-0.69" (14.2-17.5mm)	DC300562*	DC300562-90	DC300562-45*	DC300562-F*
1"	0.63-0.75" (16.0-19.1mm)	DC300625	DC300625-90	DC300625-45	DC300625-F*
1"	0.75-0.88" (19.1-22.4mm)	DC300750	DC300750-90	DC300750-45	DC300750-F*
1"	0.88-1.00" (22.4-25.4mm)	DC300875	DC300875-90	DC300875-45	DC300875-F*
1"	1.00-1.13" (25.4-28.7mm)	DC3001000*	—	—	—
1"	1.13-1.25" (28.7-31.8mm)	DC3001125*	—	—	—


NPT	Cord diameter	Straight male cat. #	90° Male cat. #
1-1/4"	0.75-0.88" (19.1-22.4mm)	DC400750*	DC400750-90*
1-1/4"	0.88-1.00" (22.4-25.4mm)	DC400875	DC400875-90
1-1/4"	1.00-1.13" (25.4-28.7mm)	DC4001000	DC4001000-90
1-1/4"	1.13-1.25" (28.7-31.8mm)	DC4001125	DC4001125-90
1-1/4"	1.25-1.38" (31.8-35.1mm)	DC4001250	DC4001250-90

NPT	Cord diameter	Straight male cat. #	90° Male cat. #
1-1/2"	0.75-0.88" (19.1-22.4mm)	DC500750*	DC500750-90*
1-1/2"	0.88-1.00" (22.4-25.4mm)	DC500875	DC500875-90
1-1/2"	1.00-1.13" (25.4-28.7mm)	DC5001000	DC5001000-90
1-1/2"	1.13-1.25" (28.7-31.8mm)	DC5001125	DC5001125-90
1-1/2"	1.25-1.38" (31.8-35.1mm)	DC5001250	DC5001250-90
1-1/2"	1.31-1.44" (33.3-36.6mm)	DC5001312*	—
1-1/2"	1.44-1.56" (36.6-39.6mm)	DC5001437*	—
1-1/2"	1.56-1.69" (39.6-43.0mm)	DC5001562*	—
1-1/2"	1.69-1.81" (43.0-46.0mm)	DC5001687*	—
1-1/2"	1.75-1.88" (44.5-47.8mm)	DC5001750*	—

* Not UL Listed

Deluxe cord grips 2" - 3"

Product description

2", 2-1/2" & 3" NPT 



Deluxe cord grips
straight male connector



Deluxe cord grips
90° male connector



Deluxe cord grips
45° male connector



Deluxe cord grips
straight female connector

NPT	Cord diameter	Straight male cat. #	90° Male cat. #
2"	1.25-1.38" (31.8-35.1mm)	DC6001250	DC6001250-90
2"	1.31-1.44" (33.3-36.6mm)	DC6001312	DC6001312-90
2"	1.44-1.56" (36.6-39.6mm)	DC6001437	DC6001437-90
2"	1.56-1.69" (39.6-43.0mm)	DC6001562	DC6001562-90
2"	1.69-1.81" (43.0-46.0mm)	DC6001687	DC6001687-90
2"	1.75-1.88" (44.5-47.8mm)	DC6001750	DC6001750-90
2"	1.81-1.94" (45.9-49.3mm)	DC6001812	—
2"	1.94-2.06" (49.3-52.3mm)	DC6001937	—
2"	2.06-2.19" (52.3-55.5mm)	DC6002062	—
2"	2.19-2.31" (55.5-58.7mm)	DC6002187	—
2"	2.31-2.44" (58.7-61.9mm)	DC6002312	—

NPT	Cord diameter	Straight male cat. #
2-1/2"	1.69-1.81" (43.0-46.0mm)	DC7001687
2-1/2"	1.81-1.94" (46.0-49.3mm)	DC7001812
2-1/2"	1.94-2.06" (49.3-52.3mm)	DC7001937
2-1/2"	2.06-2.19" (52.3-55.6mm)	DC7002062
2-1/2"	2.19-2.31" (55.6-58.7mm)	DC7002187
2-1/2"	2.31-2.44" (58.7-62.0mm)	DC7002312

NPT	Cord diameter	Straight male cat. #
3"	1.69-1.81" (43.0-46.0mm)	DC8001687
3"	1.81-1.94" (46.0-49.3mm)	DC8001812
3"	1.94-2.06" (49.3-52.3mm)	DC8001937
3"	2.06-2.19" (52.3-55.6mm)	DC8002062
3"	2.19-2.31" (55.6-58.7mm)	DC8002187
3"	2.31-2.44" (58.7-62.0mm)	DC8002312
3"	2.44-2.63" (62.0-66.5mm)	DC8002437
3"	2.63-2.81" (66.5-71.4mm)	DC8002625
3"	2.81-3.00" (71.4-76.2mm)	DC8002812
3"	3.00-3.25" (76.2-82.6mm)	DC8003000



Dust tight grips and I-grips

Dust tight grips

Product description

Wide range - straight male NPT



TCI254

Features & applications

- Provides secure cable termination and helps prevent cable pullout
- Absorbs longitudinal stresses placed on the point of termination caused by pulling or bending the cable
- Supplied with locknut, nylon insulated bushing and neoprene gasket to provide a dirt and dust free seal
- Constructed with steel mesh and aluminum threaded body adding to safety by extending cable life
- Wide range, single weave mesh construction
- Recommended for indoor use in wiring of enclosures, power boxes, machine tools and power centers

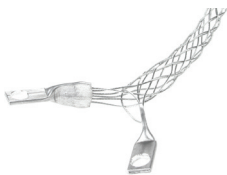
NPT	Cord diameter	Non-insulated cat. #	Insulated cat. #
1/2" (12.7mm)	0.22-0.32" (5.6-8.1mm)	TC124*	TCI124
1/2" (12.7mm)	0.30-0.43" (7.6-10.9mm)	TC132*	TCI132
1/2" (12.7mm)	0.40-0.54" (10.1-13.7mm)	TC143*	TCI143
3/4" (19.0mm)	0.52-0.73" (13.2-18.5mm)	TC254*	TCI254
1" (25.4mm)	0.70-0.97" (17.8-24.6mm)	TC373*	TCI373
1-1/4" (31.8mm)	0.94-1.25" (23.8-31.8mm)	TC497*	TCI497
1-1/2" (38.1mm)	1.20-1.50" (30.5-38.1mm)	—	TCI5125
2" (50.8mm)	1.40-1.75" (38.1-44.5mm)	—	TCI6150
2-1/2" (63.5mm)	1.62-2.00" (41.1-50.8mm)	—	TCI7170
2-1/2" (63.5mm)	2.00-2.45" (50.8-62.2mm)	—	TCI7200

* Not UL Listed

I-grips

Product description

Wire mesh I-grip



I52

Features & applications

- Provides heavy duty strain relief and controls the bending arc on 2-wire, 3-wire, 4-wire and 5-wire plug and connector cord assemblies
- Single weave wire mesh made of high strength galvanized steel
- Fast, easy installation. Eye tabs fit under the nylon cord clamps, screws slide through the tabs and secure the grip in place
- Ideal for portable equipment in industrial and commercial applications

Cord diameter	Mesh length	Cat. #
0.30-0.43" (7.6-10.9mm)	4.75" (120.6mm)	I30
0.40-0.56" (10.1-14.2mm)	6.00" (152.4mm)	I40
0.52-0.73" (13.2-18.5mm)	7.00" (177.8mm)	I52
0.70-0.85" (17.8-21.6mm)	8.50" (215.9mm)	I70
0.82-1.00" (20.8-25.4mm)	8.50" (215.9mm)	I82
0.94-1.25" (23.9-31.8mm)	10.50" (266.7mm)	I94

Liquidtight grips

Liquidtight grips

Product description

For metallic flexible conduits, NPT



LTB100



LTB190

Features & applications

- Liquidtight grips are woven of 304 stainless steel mesh with zinc plated steel or malleable iron bodies and nuts for corrosion resistance
- Available with straight body, 45 and 90 degree angle, male thread
- Each fitting is supplied with an insulated throat to provide conductor insulation and help protect against damage by flexing, heat expansion and contraction
- Single weave wire mesh provides uniform arc of bend and corrosion resistance
- For indoor and outdoor use
- They are used to connect liquidtight flexible conduit to electrical enclosures to help prevent conduit pullout
- Liquidtight grips are recommended in the wiring of motors and any electrical enclosure where liquidtight conduit is subject to motion or strain

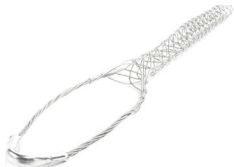
NPT size	Mesh length	Straight male cat. #	90° Male cat. #
3/8" (9.7mm)	2.63" (66.7mm)	LTB000WMG	LTB090WMG
1/2" (12.7mm)	3.88" (98.4mm)	LTB100WMG	LTB190WMG
3/4" (19.0mm)	4.38" (111.1mm)	LTB200WMG	LTB290WMG
1" (25.4mm)	5.25" (133.3mm)	LTB300WMG	LTB390WMG
1-1/4" (31.8mm)	5.63" (142.9mm)	LTB400WMG	LTB490WMG
1-1/2" (38.1mm)	5.75" (146.0mm)	LTB500WMG	LTB590WMG
2" (50.8mm)	7.50" (190.5mm)	LTB600WMG	LTB690WMG

Single & double eye closed mesh support grips

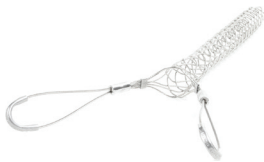
Standard duty

Product description

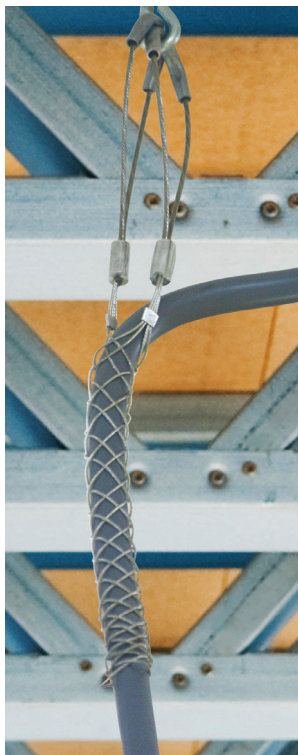
Closed mesh
Single & double eye grips



SGS100



SGD100



Features & applications

- Standard closed mesh support grips are designed for loads up to 600 lbs. and vertical runs of no more than 100 ft. They are available in a variety of eye styles and cable ranges for supporting electrical and fiber optic cable, metal rods and tubing
- Absorbs additional strain from vibration, expansion, contraction and flexing
- Double eye for use when cable is vertical and extends without bending
- Support grips will hold more than one cable
- Single eye for use when cable is vertical and for applications where cable bends
- Wire mesh is produced from high quality, non-magnetic, tin coated bronze which provides superior corrosion resistance

Single eye grips

Cord diameter	Bale length	Mesh length	Approx. break strength†	Cat. #
0.50-0.62" (12.7-15.7mm)	7" (177.8mm)	11" (279.4mm)	770 lbs.	SGS50
0.62-0.74" (15.7-18.8mm)	8" (203.2mm)	11" (279.4mm)	960 lbs.	SGS63
0.75-0.99" (19.1-25.1mm)	8" (203.2mm)	14" (355.6mm)	1,300 lbs.	SGS75
1.00-1.24" (25.4-31.5mm)	9" (228.6mm)	15" (381.0mm)	1,680 lbs.	SGS100
1.25-1.49" (31.8-37.8mm)	10" (254.0mm)	16" (406.4mm)	1,680 lbs.	SGS125
1.50-1.74" (38.1-44.2mm)	12" (304.8mm)	18" (457.2mm)	1,680 lbs.	SGS150
1.75-1.99" (44.5-50.5mm)	14" (355.6mm)	20" (508.0mm)	2,640 lbs.	SGS175
2.00-2.49" (50.8-63.2mm)	16" (406.4mm)	22" (558.8mm)	3,760 lbs.	SGS200
2.50-2.99" (63.5-75.9mm)	18" (457.2mm)	24" (609.6mm)	3,760 lbs.	SGS250
3.00-3.49" (76.2-88.6mm)	21" (533.4mm)	26" (660.4mm)	5,040 lbs.	SGS300
3.50-3.99" (88.9-101.3mm)	24" (609.6mm)	28" (711.2mm)	5,040 lbs.	SGS350

Double eye grips

Cord diameter	Bale length	Mesh length	Approx. break strength†	Cat. #
0.50-0.61" (12.7-15.5mm)	4" (101.6mm)	11" (279.4mm)	770 lbs.	SGD50
0.62-0.74" (15.7-18.8mm)	4" (101.6mm)	11" (279.4mm)	1,150 lbs.	SGD63
0.75-0.99" (19.1-25.1mm)	4" (101.6mm)	14" (355.6mm)	1,320 lbs.	SGD75
1.00-1.24" (25.4-31.5mm)	5" (127.0mm)	15" (381.0mm)	1,920 lbs.	SGD100
1.25-1.49" (31.8-37.8mm)	5" (127.0mm)	16" (406.4mm)	1,920 lbs.	SGD125
1.50-1.74" (38.1-44.2mm)	6" (152.4mm)	18" (457.2mm)	1,920 lbs.	SGD150
1.75-1.99" (44.5-50.5mm)	6" (152.4mm)	20" (508.0mm)	3,150 lbs.	SGD175
2.00-2.49" (50.8-63.2mm)	6" (152.4mm)	22" (558.8mm)	3,360 lbs.	SGD200
2.50-2.99" (63.5-75.9mm)	6" (152.4mm)	24" (609.6mm)	3,360 lbs.	SGD250
3.00-3.49" (76.2-88.6mm)	8" (203.2mm)	26" (660.4mm)	5,280 lbs.	SGD300
3.50-3.99" (88.9-101.3mm)	8" (203.2mm)	28" (711.2mm)	5,280 lbs.	SGD350

† To determine workload safety factor, divide approximate break strength by 10. See page 28 for strength information.

Offset eye & locking bale closed mesh support grips

Standard duty

Product description

Closed mesh
Offset eye & locking bale grips



SGO100



SGU100

Features & applications

- Standard closed mesh support grips are designed for loads up to 600 lbs. and vertical runs of no more than 100 ft.
- Wire mesh is produced from high quality, non-magnetic, tin coated bronze which provides superior corrosion resistance
- Support grips will hold more than one cable
- Absorbs additional strain from vibration, expansion, contraction and flexing
- Available in a variety of eye styles and cable ranges for supporting electrical and fiber optic cable, metal rods and tubing
- Offset eye for use when offset positioning is required
- Locking bale attachment fits around beam or pipe and can be locked in place

Offset eye

Cord diameter	Bale length	Mesh length	Approx. break strength†	Cat. #
0.50-0.61" (12.7-15.5mm)	4" (101.6mm)	11" (279.4mm)	770 lbs.	SGO50
0.62-0.74" (15.7-18.8mm)	4" (101.6mm)	11" (279.4mm)	960 lbs.	SGO63
0.75-0.99" (19.1-25.1mm)	4" (101.6mm)	14" (355.6mm)	960 lbs.	SGO75
1.00-1.24" (25.4-31.5mm)	5" (127.0mm)	15" (381.0mm)	1,680 lbs.	SGO100
1.25-1.49" (31.8-37.8mm)	5" (127.0mm)	16" (406.4mm)	1,680 lbs.	SGO125
1.50-1.74" (38.1-44.2mm)	5" (127.0mm)	18" (457.2mm)	1,680 lbs.	SGO150
1.75-1.99" (44.5-50.5mm)	6" (152.4mm)	20" (508.0mm)	2,640 lbs.	SGO175
2.00-2.49" (50.8-63.2mm)	6" (152.4mm)	22" (558.8mm)	3,760 lbs.	SGO200
2.50-2.99" (63.5-75.9mm)	8" (203.2mm)	24" (609.6mm)	3,760 lbs.	SGO250
3.00-3.49" (76.2-88.6mm)	9" (228.6mm)	26" (660.4mm)	5,040 lbs.	SGO300
3.50-3.99" (88.9-101.3mm)	9" (228.6mm)	28" (711.2mm)	5,040 lbs.	SGO350

Locking bale grips


Cord diameter	Bale length	Mesh length	Approx. break strength†	Cat. #
0.50-0.61" (12.7-15.5mm)	18" (457.2mm)	11" (279.4mm)	770 lbs.	SGU50
0.63-0.74" (16.0-18.8mm)	18" (457.2mm)	11" (279.4mm)	1,150 lbs.	SGU63
0.75-0.99" (19.1-25.1mm)	18" (457.2mm)	14" (355.6mm)	1,320 lbs.	SGU75
1.00-1.24" (25.4-31.5mm)	18" (457.2mm)	15" (381.0mm)	1,920 lbs.	SGU100
1.25-1.49" (31.8-37.8mm)	18" (457.2mm)	16" (406.4mm)	1,920 lbs.	SGU125
1.50-1.74" (38.1-44.2mm)	18" (457.2mm)	18" (457.2mm)	1,920 lbs.	SGU150
1.75-1.99" (44.5-50.5mm)	18" (457.2mm)	20" (508.0mm)	3,150 lbs.	SGU175
2.00-2.49" (50.8-63.2mm)	18" (457.2mm)	22" (558.8mm)	3,360 lbs.	SGU200
2.50-2.99" (63.5-75.9mm)	18" (457.2mm)	24" (609.6mm)	3,360 lbs.	SGU250
3.00-3.49" (76.2-88.6mm)	18" (457.2mm)	26" (660.4mm)	5,280 lbs.	SGU300
3.50-3.99" (88.9-101.3mm)	18" (457.2mm)	28" (711.2mm)	5,280 lbs.	SGU350

† To determine workload safety factor, divide approximate break strength by 10. See page 28 for strength information.

Single & double eye split lace support grips

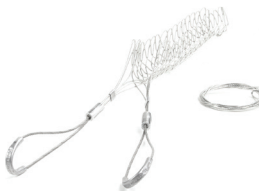
Standard duty

Product description

Split lace
Single & double eye grips 



SGSL75



SGDL75

Features & applications

- Split lace support grips are used when the end of the cable cannot easily be accessed and the support grip is intended for permanent installation
- Designed for loads up to 600 lbs. and vertical runs of no more than 100 ft.
- Wire mesh is produced from high quality, non-magnetic, tin coated bronze which provides superior corrosion resistance
- Support grips will hold more than one cable
- Absorbs additional strain from vibration, expansion, contraction and flexing
- Available in a variety of eye styles and cable ranges for supporting electrical and fiber optic cable, metal rods and tubing
- Single eye for use when cable is vertical and for applications where cable bends
- Double eye for use when cable is vertical and extends without bending

Single eye grips

Cord diameter	Bale length	Mesh length	Approx. break strength†	Cat. #
0.50-0.61" (12.7-15.5mm)	7" (177.8mm)	11" (279.4mm)	770 lbs.	SGSL50
0.62-0.74" (15.7-18.8mm)	8" (203.2mm)	11" (279.4mm)	960 lbs.	SGSL63
0.75-0.99" (19.1-25.1mm)	8" (203.2mm)	14" (355.6mm)	1,320 lbs.	SGSL75
1.00-1.24" (25.4-31.5mm)	9" (228.6mm)	15" (381.0mm)	1,680 lbs.	SGSL100
1.25-1.49" (31.8-37.8mm)	10" (254.0mm)	16" (406.4mm)	1,680 lbs.	SGSL125
1.50-1.74" (38.1-44.2mm)	12" (304.8mm)	18" (457.2mm)	1,680 lbs.	SGSL150
1.75-1.99" (44.5-50.5mm)	14" (355.6mm)	20" (508.0mm)	2,640 lbs.	SGSL175
2.00-2.49" (50.8-63.2mm)	16" (406.4mm)	22" (558.8mm)	3,760 lbs.	SGSL200
2.50-2.99" (63.5-75.9mm)	18" (457.2mm)	24" (609.6mm)	3,760 lbs.	SGSL250
3.00-3.49" (76.2-88.6mm)	21" (533.4mm)	26" (660.4mm)	5,040 lbs.	SGSL300
3.50-3.99" (88.9-101.3mm)	24" (609.6mm)	28" (711.2mm)	5,040 lbs.	SGSL350

Double eye grips

Cord diameter	Bale length	Mesh length	Approx. break strength†	Cat. #
0.50-0.61" (12.7-15.7mm)	4" (101.6mm)	11" (279.4mm)	770 lbs.	SGDL50
0.62-0.74" (15.7-18.8mm)	4" (101.6mm)	11" (279.4mm)	1,150 lbs.	SGDL63
0.75-0.99" (19.1-25.1mm)	4" (101.6mm)	14" (355.6mm)	1,320 lbs.	SGDL75
1.00-1.24" (25.4-31.5mm)	5" (127.0mm)	15" (381.0mm)	1,920 lbs.	SGDL100
1.25-1.49" (31.8-37.9mm)	5" (127.0mm)	16" (406.4mm)	1,920 lbs.	SGDL125
1.50-1.74" (38.1-44.2mm)	6" (152.4mm)	18" (457.2mm)	1,920 lbs.	SGDL150
1.75-1.99" (44.5-50.5mm)	6" (152.4mm)	20" (508.0mm)	3,150 lbs.	SGDL175
2.00-2.49" (50.8-63.2mm)	6" (152.4mm)	22" (558.8mm)	3,360 lbs.	SGDL200
2.50-2.99" (63.5-75.9mm)	6" (152.4mm)	24" (609.6mm)	3,360 lbs.	SGDL250
3.00-3.49" (76.2-88.6mm)	8" (203.2mm)	26" (660.4mm)	5,280 lbs.	SGDL300
3.50-3.99" (88.9-101.3mm)	8" (203.2mm)	28" (711.2mm)	5,280 lbs.	SGDL350

† To determine workload safety factor, divide approximate break strength by 10. See page 28 for strength information.

Offset eye & locking bale split lace support grips

Standard duty

Product description

Split lace
Offset eye & locking bale grips



SGOL100



SGUL100

Features & applications

- Split lace support grips are used when the end of the cable cannot easily be accessed and the support grip is intended for permanent installation
- Designed for loads up to 600 lbs. and vertical runs of no more than 100 ft.
- Wire mesh is produced from high quality, non-magnetic, tin coated bronze which provides superior corrosion resistance
- Support grips will hold more than one cable
- Absorbs additional strain from vibration, expansion, contraction and flexing
- Available in a variety of eye styles and cable ranges for supporting electrical and fiber optic cable, metal rods and tubing
- Offset eye for use when offset positioning is required.
- Locking bale attachment fits around beam or pipe and can be locked in place

Offset eye

Cord diameter	Bale length	Mesh length	Approx. break strength†	Cat. #
0.50-0.61" (12.7-15.5mm)	4" (101.6mm)	11" (279.4mm)	770 lbs.	SGOL50
0.62-0.74" (15.7-18.8mm)	4" (101.6mm)	11" (279.4mm)	960 lbs.	SGOL63
0.75-0.99" (19.1-25.1mm)	4" (101.6mm)	14" (355.6mm)	960 lbs.	SGOL75
1.00-1.24" (25.4-31.5mm)	5" (127.0mm)	15" (381.0mm)	1,680 lbs.	SGOL100
1.25-1.49" (31.8-37.8mm)	5" (127.0mm)	16" (406.4mm)	1,680 lbs.	SGOL125
1.50-1.74" (38.1-44.2mm)	5" (127.0mm)	18" (457.2mm)	1,680 lbs.	SGOL150
1.75-1.99" (44.5-50.5mm)	6" (152.4mm)	20" (508.0mm)	2,640 lbs.	SGOL175
2.00-2.49" (50.8-63.2mm)	6" (152.4mm)	22" (558.8mm)	3,760 lbs.	SGOL200
2.50-2.99" (63.5-75.9mm)	8" (203.2mm)	24" (609.6mm)	3,760 lbs.	SGOL250
3.00-3.49" (76.2-88.6mm)	9" (228.6mm)	26" (660.4mm)	5,040 lbs.	SGOL300
3.50-3.99" (88.9-101.3mm)	9" (228.6mm)	28" (711.2mm)	5,040 lbs.	SGOL350

Locking bale grips

Cord diameter	Bale length	Mesh length	Approx. break strength†	Cat. #
0.50-0.61" (12.7-15.5mm)	18" (457.2mm)	11" (279.4mm)	770 lbs.	SGUL50
0.62-0.74" (15.7-18.8mm)	18" (457.2mm)	11" (279.4mm)	1,150 lbs.	SGUL63
0.75-0.99" (19.1-25.1mm)	18" (457.2mm)	14" (355.6mm)	1,320 lbs.	SGUL75
1.00-1.24" (25.4-31.5mm)	18" (457.2mm)	15" (381.0mm)	1,920 lbs.	SGUL100
1.25-1.49" (31.8-37.9mm)	18" (457.2mm)	16" (406.4mm)	1,920 lbs.	SGUL125
1.50-1.74" (38.1-44.2mm)	18" (457.2mm)	18" (457.2mm)	1,920 lbs.	SGUL150
1.75-1.99" (44.5-50.5mm)	18" (457.2mm)	20" (508.0mm)	3,150 lbs.	SGUL175
2.00-2.49" (50.8-63.2mm)	18" (457.2mm)	22" (558.8mm)	3,360 lbs.	SGUL200
2.50-2.99" (63.5-75.9mm)	18" (457.2mm)	24" (609.6mm)	3,360 lbs.	SGUL250
3.00-3.49" (76.2-88.6mm)	18" (457.2mm)	26" (660.4mm)	5,280 lbs.	SGUL300
3.50-3.99" (88.9-101.3mm)	18" (457.2mm)	28" (711.2mm)	5,280 lbs.	SGUL350

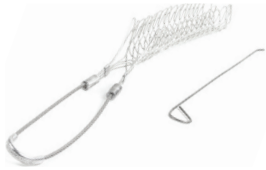
† To determine workload safety factor, divide approximate break strength by 10. See page 28 for strength information.

Single & double eye split rod support grips

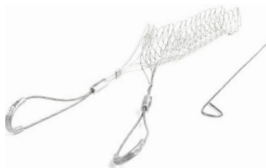
Standard duty

Product description

Split rod
Single & double eye grips



SGSR100



SGDR75

Features & applications

- Split rod support grips are used when the end of the cable cannot be easily accessed and the installation is temporary
- Designed for loads up to 600 lbs. and vertical runs of no more than 100 ft.
- Wire mesh is produced from high quality, non-magnetic, tin coated bronze which provides superior corrosion resistance
- Support grips will hold more than one cable
- Absorbs additional strain from vibration, expansion, contraction and flexing
- Available in a variety of eye styles and cable ranges for supporting electrical and fiber optic cable, metal rods and tubing
- Single eye for use when cable is vertical and for applications where cable bends
- Double eye for use when cable is vertical and extends without bending

Single eye grips

Cord diameter	Bale length	Mesh length	Approx. break strength [†]	Cat. #
0.50-0.61" (12.7-15.5mm)	7" (177.8mm)	11" (279.4mm)	770 lbs.	SGSR50
0.62-0.74" (15.7-18.8mm)	8" (203.2mm)	11" (279.4mm)	960 lbs.	SGSR63
0.75-0.99" (19.1-25.1mm)	8" (203.2mm)	14" (355.6mm)	1,320 lbs.	SGSR75
1.00-1.24" (25.4-31.5mm)	9" (228.6mm)	15" (381.0mm)	1,680 lbs.	SGSR100
1.25-1.49" (31.8-37.9mm)	10" (254.0mm)	16" (406.4mm)	1,680 lbs.	SGSR125
1.50-1.74" (38.1-44.2mm)	12" (304.8mm)	18" (457.2mm)	1,680 lbs.	SGSR150
1.75-1.99" (44.5-50.5mm)	14" (355.6mm)	20" (508.0mm)	2,640 lbs.	SGSR175
2.00-2.49" (50.8-63.2mm)	16" (406.4mm)	22" (558.8mm)	3,760 lbs.	SGSR200
2.50-2.99" (63.5-75.9mm)	18" (457.2mm)	24" (609.6mm)	3,760 lbs.	SGSR250
3.00-3.49" (76.2-88.6mm)	21" (533.4mm)	26" (660.4mm)	5,040 lbs.	SGSR300
3.50-3.99" (88.9-101.3mm)	24" (609.6mm)	28" (711.2mm)	5,040 lbs.	SGSR350

Double eye grips

Cord diameter	Bale length	Mesh length	Approx. break strength [†]	Cat. #
0.50-0.61" (12.7-15.7mm)	4" (101.6mm)	11" (279.4mm)	770 lbs.	SGDR50
0.63-0.74" (16.0-18.8mm)	4" (101.6mm)	11" (279.4mm)	1,150 lbs.	SGDR63
0.75-0.99" (19.1-25.1mm)	4" (101.6mm)	14" (355.6mm)	1,320 lbs.	SGDR75
1.00-1.24" (28.4-31.5mm)	5" (127.0mm)	15" (381.0mm)	1,920 lbs.	SGDR100
1.25-1.49" (31.8-37.9mm)	5" (127.0mm)	16" (406.4mm)	1,920 lbs.	SGDR125
1.50-1.74" (38.1-44.2mm)	6" (152.4mm)	18" (457.2mm)	1,920 lbs.	SGDR150
1.75-1.99" (44.5-50.5mm)	6" (152.4mm)	20" (508.0mm)	3,150 lbs.	SGDR175
2.00-2.49" (50.8-63.2mm)	6" (152.4mm)	22" (558.8mm)	3,360 lbs.	SGDR200
2.50-2.99" (63.5-75.9mm)	6" (152.4mm)	24" (609.6mm)	3,360 lbs.	SGDR250
3.00-3.49" (76.2-88.6mm)	8" (203.2mm)	26" (660.4mm)	5,280 lbs.	SGDR300
3.50-3.99" (88.9-101.3mm)	8" (203.2mm)	28" (711.2mm)	5,280 lbs.	SGDR350

[†] To determine workload safety factor, divide approximate break strength by 10. See page 28 for strength information.

Offset eye & locking bale split rod support grips

Standard duty

Product description

Split rod
Offset eye & locking bale grips



SGOR63



SGUR100

Features & applications

- Split rod support grips are used when the end of the cable cannot be easily accessed and the installation is temporary
- Designed for loads up to 600 lbs. and vertical runs of no more than 100 ft.
- Wire mesh is produced from high quality, non-magnetic, tin coated bronze which provides superior corrosion resistance
- Support grips will hold more than one cable
- Absorbs additional strain from vibration, expansion, contraction and flexing
- They are available in a variety of eye styles and cable ranges for supporting electrical and fiber optic cable, metal rods and tubing
- Offset eye for use when offset positioning is required
- Locking bale attachment fits around beam or pipe and can be locked in place

Offset eye

Cord diameter	Bale length	Mesh length	Approx. break strength†	Cat. #
0.50-0.61" (12.7-15.5mm)	4" (101.6mm)	11" (279.4mm)	770 lbs.	SGOR50
0.62-0.74" (16.0-18.8mm)	4" (101.6mm)	11" (279.4mm)	960 lbs.	SGOR63
0.75-0.99" (19.1-25.1mm)	4" (101.6mm)	14" (355.6mm)	960 lbs.	SGOR75
1.00-1.24" (28.4-31.5mm)	5" (127.0mm)	15" (381.0mm)	1,680 lbs.	SGOR100
1.25-1.49" (31.8-37.9mm)	5" (127.0mm)	16" (406.4mm)	1,680 lbs.	SGOR125
1.50-1.74" (38.1-44.2mm)	5" (127.0mm)	18" (457.2mm)	1,680 lbs.	SGOR150
1.75-1.99" (44.5-50.5mm)	6" (152.4mm)	20" (508.0mm)	2,640 lbs.	SGOR175
2.00-2.49" (50.8-63.2mm)	6" (152.4mm)	22" (558.8mm)	3,760 lbs.	SGOR200
2.50-2.99" (63.5-75.9mm)	8" (203.2mm)	24" (609.6mm)	3,760 lbs.	SGOR250
3.00-3.49" (76.2-88.6mm)	9" (228.6mm)	26" (660.4mm)	5,040 lbs.	SGOR300
3.50-3.99" (88.9-101.3mm)	9" (228.6mm)	28" (711.2mm)	5,040 lbs.	SGOR350

Locking bale grips

Cord diameter	Bale length	Mesh length	Approx. break strength†	Cat. #
0.50-0.61" (12.7-15.5mm)	18" (457.2mm)	11" (279.4mm)	770 lbs.	SGUR50
0.63-0.74" (16.0-18.8mm)	18" (457.2mm)	11" (279.4mm)	1,150 lbs.	SGUR63
0.75-0.99" (19.1-25.1mm)	18" (457.2mm)	14" (355.6mm)	1,320 lbs.	SGUR75
1.00-1.24" (28.4-31.5mm)	18" (457.2mm)	15" (381.0mm)	1,920 lbs.	SGUR100
1.25-1.49" (31.8-37.9mm)	18" (457.2mm)	16" (406.4mm)	1,920 lbs.	SGUR125
1.50-1.74" (38.1-44.2mm)	18" (457.2mm)	18" (457.2mm)	1,920 lbs.	SGUR150
1.75-1.99" (44.5-50.5mm)	18" (457.2mm)	20" (508.0mm)	3,150 lbs.	SGUR175
2.00-2.49" (50.8-63.2mm)	18" (457.2mm)	22" (558.8mm)	3,360 lbs.	SGUR200
2.50-2.99" (63.5-75.9mm)	18" (457.2mm)	24" (609.6mm)	3,360 lbs.	SGUR250
3.00-3.49" (76.2-88.6mm)	18" (457.2mm)	26" (660.4mm)	5,280 lbs.	SGUR300
3.50-3.99" (88.9-101.3mm)	18" (457.2mm)	28" (711.2mm)	5,280 lbs.	SGUR350

† To determine workload safety factor, divide approximate break strength by 10. See page 28 for strength information.

Single & double eye closed mesh support grips

Heavy duty

Product description

Closed mesh
Single & double eye grips



SGTS100

Features & applications

- Heavy duty support grips feature a double weave mesh and are available in a variety of eye styles and cable ranges for supporting electrical and fiber optic cable, metal rods and tubing
- Support grips are woven of corrosion resistant tinned-bronze wire
- Permanent support of heavy loads and long runs of vertically hung cables, hose, tubing and metal rods
- Designed for use with poles, towers, buildings, elevators, mine shafts and other structures
- Single eye for use when cable is vertical and for applications where cable bends
- Double eye for use when cable is vertical and extends without bending

Single eye grips

Cord diameter	Bale length	Mesh length	Approx. break strength†	Cat. #
0.75-0.99" (19.1-25.1mm)	10" (254.0mm)	26" (660.4mm)	2,700 lbs.	SGTS75
1.00-1.24" (25.4-31.5mm)	10" (254.0mm)	29" (736.6mm)	4,720 lbs.	SGTS100
1.25-1.49" (31.8-37.8mm)	10" (254.0mm)	31" (787.4mm)	4,720 lbs.	SGTS125
1.50-1.99" (38.1-50.5mm)	10" (254.0mm)	35" (889.0mm)	4,720 lbs.	SGTS150

Double eye grips

Cord diameter	Bale length	Mesh length	Approx. break strength†	Cat. #
0.75-0.99" (19.1-25.1mm)	10" (254.0mm)	26" (660.4mm)	2,700 lbs.	SGTD75
1.00-1.24" (25.4-31.5mm)	10" (254.0mm)	29" (736.6mm)	4,720 lbs.	SGTD100
1.25-1.49" (31.8-37.8mm)	10" (254.0mm)	31" (787.4mm)	4,720 lbs.	SGTD125
1.50-1.99" (38.1-50.5mm)	10" (254.0mm)	35" (889.0mm)	4,720 lbs.	SGTD150
2.00-2.49" (50.8-63.2mm)	10" (254.0mm)	37" (989.8mm)	10,080 lbs.	SGTD200
2.50-2.99" (63.5-75.9mm)	10" (254.0mm)	39" (990.6mm)	10,080 lbs.	SGTD250
3.00-3.49" (76.2-88.6mm)	10" (254.0mm)	41" (1041.4mm)	10,080 lbs.	SGTD300
3.50-3.99" (88.9-101.3mm)	10" (254.0mm)	45" (1143.0mm)	13,120 lbs.	SGTD350
4.00-4.49" (101.6-114.0mm)	10" (254.0mm)	47" (1193.8mm)	13,120 lbs.	SGTD400

† To determine workload safety factor, divide approximate break strength by 10. See page 28 for strength information.

Single & double eye split lace support grips

Heavy duty

Product description

Split lace
Single & double eye grips



SGTSL100



SGTDL100

Features & applications

- Split lace support grips are used when the end of the cable cannot easily be accessed and the support grip is intended for permanent installation
- Permanent support of heavy loads and long runs of vertically hung cables, hose, tubing and metal rods
- Poles, towers, buildings, elevators, mine shafts and other structures
- Single eye for use when cable is vertical and for applications where cable bends
- Double eye for use when cable is vertical and extends without bending

Single eye grips

Cord diameter	Bale length	Mesh length	Approx. break strength†	Cat. #
0.75-0.99" (19.1-25.1mm)	10" (254.0mm)	26" (660.4mm)	2,700 lbs.	SGTSL75
1.00-1.24" (25.4-31.5mm)	10" (254.0mm)	29" (736.6mm)	4,720 lbs.	SGTSL100
1.25-1.49" (31.8-37.8mm)	10" (254.0mm)	31" (787.4mm)	4,720 lbs.	SGTSL125
1.50-1.99" (38.1-50.5mm)	10" (254.0mm)	35" (889.0mm)	4,720 lbs.	SGTSL150

Double eye grips

Cord diameter	Bale length	Mesh length	Approx. break strength†	Cat. #
0.75-0.99" (19.1-25.1mm)	10" (254.0mm)	26" (660.4mm)	2,700 lbs.	SGTDL75
1.00-1.24" (25.4-31.5mm)	10" (254.0mm)	29" (736.6mm)	4,720 lbs.	SGTDL100
1.25-1.49" (31.8-37.8mm)	10" (254.0mm)	31" (787.4mm)	4,720 lbs.	SGTDL125
1.50-1.99" (38.1-50.5mm)	10" (254.0mm)	35" (889.0mm)	4,720 lbs.	SGTDL150
2.00-2.49" (50.8-63.2mm)	10" (254.0mm)	37" (939.8mm)	10,080 lbs.	SGTDL200
2.50-2.99" (63.5-75.9mm)	10" (254.0mm)	39" (990.6mm)	10,080 lbs.	SGTDL250
3.00-3.49" (76.2-88.6mm)	10" (254.0mm)	41" (1041.4mm)	10,080 lbs.	SGTDL300
3.50-3.99" (88.9-101.3mm)	10" (254.0mm)	45" (1143.0mm)	13,120 lbs.	SGTDL350
4.00-4.49" (101.6-114.0mm)	10" (254.0mm)	47" (1193.8mm)	13,120 lbs.	SGTDL400

† To determine workload safety factor, divide approximate break strength by 10. See page 28 for strength information.

Single eye & locking closed mesh service drop support grips

Service drop

Product description

Closed mesh
Single eye & locking bale grips



SDS32

Features & applications

- Service drop grips provide support for utility distribution lines from service pole to building or from pole to pole
- They are woven from tinned-bronze wire to provide superior corrosion resistance and are available in single eye and locking bale configurations
- They can also be used for cable TV and fiber optic cable support
- Single eye for use when cable is vertical and for applications where cable bends
- Locking bale attachment fits around beam or pipe and can be locked in place

Single eye grips

Cord diameter	Bale length	Mesh length	Approx. break strength†	Cat. #
0.22-0.32" (5.6-8.1mm)	4" (101.6mm)	4" (101.6mm)	290 lbs.	SDS23
0.30-0.43" (7.6-10.1mm)	5" (127.0mm)	5" (127.0mm)	500 lbs.	SDS32
0.41-0.56" (10.4-14.2mm)	6" (152.4mm)	5" (127.0mm)	500 lbs.	SDS43
0.53-0.73" (13.4-18.5mm)	8" (203.2mm)	8" (203.2mm)	790 lbs.	SDS56
0.70-0.97" (17.8-24.6mm)	8" (203.2mm)	9" (228.6mm)	1,020 lbs.	SDS73
0.94-1.25" (23.8-31.8mm)	10" (254.0mm)	11" (279.4mm)	1,020 lbs.	SDS100

Locking bale grips

Cord diameter	Bale length	Mesh length	Approx. break strength†	Cat. #
0.22-0.32" (5.6-8.1mm)	10" (254.0mm)	4" (101.6mm)	290 lbs.	SDU23
0.30-0.43" (7.6-10.1mm)	11" (279.4mm)	5" (127.0mm)	500 lbs.	SDU32
0.43-0.56" (10.1-14.2mm)	12" (304.8mm)	5" (127.0mm)	500 lbs.	SDU43
0.56-0.73" (14.2-18.5mm)	14" (355.6mm)	8" (203.2mm)	790 lbs.	SDU56
0.73-0.97" (18.5-24.6mm)	14" (355.6mm)	9" (228.6mm)	1,020 lbs.	SDU73
1.00-1.25" (23.8-31.8mm)	16" (406.4mm)	11" (379.4mm)	1,020 lbs.	SDU100

† To determine workload safety factor, divide approximate break strength by 10. See page 28 for strength information.

Single eye & locking bale closed mesh bus drop support grips

Bus drop

Product description

Closed mesh
Single eye & locking bale grips



BDS53



BDU53

Features & applications

- Bus drop grips are woven of galvanized steel wire
- Relieve any direct tension from the critical connection and absorb vibration and flexing
- Offered with either the single eye or locking bale attachment
- Bus drop grips are used as cable support from bus duct
- Optional bus drop safety spring can be used with single eye type of disassembling draw bar from coil, placing through eye loop and replacing draw bar
- Single eye for use when cable is vertical and for applications where cable bends
- Locking bale attachment fits around beam or pipe and can be locked in place

Single eye grips

Cord diameter	Bale length	Mesh length	Approx. break strength†	Cat. #
0.22-0.32" (5.6-8.1mm)	9" (228.6mm)	3.5" (88.9mm)	1,100 lbs.	BDS22
0.30-0.43" (7.6-10.9mm)	9" (228.6mm)	4.5" (114.3mm)	1,100 lbs.	BDS30
0.41-0.56" (10.4-14.2mm)	9" (228.6mm)	5.0" (127.0mm)	1,100 lbs.	BDS41
0.53-0.73" (13.5-18.5mm)	9" (228.6mm)	6.5" (165.1mm)	1,100 lbs.	BDS53
0.70-0.85" (17.8-21.6mm)	9" (228.6mm)	8.5" (215.9mm)	1,900 lbs.	BDS70
0.82-1.00" (20.8-25.4mm)	9" (228.6mm)	8.5" (215.9mm)	1,900 lbs.	BDS82
0.96-1.25" (24.4-31.8mm)	9" (228.6mm)	11.0" (279.4mm)	1,900 lbs.	BDS96

Locking bale grips

Cord diameter	Bale length	Mesh length	Approx. break strength†	Cat. #
0.22-0.32" (5.6-8.1mm)	12" (304.8mm)	3.5" (88.9mm)	1,100 lbs.	BDU22
0.30-0.43" (7.6-10.9mm)	12" (304.8mm)	4.5" (114.3mm)	1,100 lbs.	BDU30
0.41-0.56" (10.4-14.2mm)	12" (304.8mm)	5.0" (127.0mm)	1,100 lbs.	BDU41
0.53-0.73" (13.5-18.5mm)	15" (381.0mm)	6.5" (165.1mm)	1,100 lbs.	BDU53
0.70-0.85" (17.8-21.6mm)	16" (406.4mm)	8.5" (215.9mm)	1,900 lbs.	BDU70
0.82-1.00" (20.8-25.4mm)	16" (406.4mm)	8.5" (215.9mm)	1,900 lbs.	BDU82
0.96-1.25" (24.4-31.8mm)	17" (431.8mm)	11.0" (279.4mm)	1,900 lbs.	BDU96

† To determine workload safety factor, divide approximate break strength by 10. See page 28 for strength information.

Accessories for support grips: service drop & bus drop, closed mesh grips

Description	
Safety spring, 40 lbs. load	B2001
Safety spring, 80 lbs. load	B2002



B2001



B2002

Flexible eye junior & light duty pulling grips

Junior duty

Product description

Flexible eye



LPJ62

Features & applications

- Single weave variable mesh automatically adjusts its grip to the load providing non-slip pulling and helps protect cable insulation from damage
- They are woven from tinned-bronze wire to provide superior corrosion resistance and are available in single eye and locking bale configurations
- Junior duty series grips are indispensable tools for electricians with small job requirements
- Used in industrial plants, commercial buildings, utility work and light duty underground transmission line stringing
- Junior pulling grips designed for pulling insulated building wire through conduit where pulling tensions are low and to connect a bundle of insulated building wire to a pulling tape

Flexible eye

Cord diameter	Mesh length	Approx. break strength ¹	Cat. #
0.25-0.36" (3.4-9.1mm)	5" (127.0mm)	1,700 lbs.	LPJ25
0.37-0.49" (9.4-12.4mm)	7" (177.8mm)	1,700 lbs.	LPJ37
0.50-0.61" (12.7-15.5mm)	8" (203.2mm)	1,700 lbs.	LPJ50
0.62-0.74" (15.7-19.0mm)	10" (254.0mm)	2,800 lbs.	LPJ62
0.75-0.99" (19.1-25.1mm)	10" (254.0mm)	4,100 lbs.	LPJ75
1.00-1.25" (25.4-31.8mm)	12" (304.8mm)	4,100 lbs.	LPJ100

Light duty

Product description

Short & standard length, flexible eye



LP7512

Features & applications

- Light duty grips are the most economical pulling grips for many applications, such as industrial plant wiring and rewiring and underground electrical pulls
- Used in industrial plants, commercial buildings, utility work and light duty underground transmission line stringing

Short length, flexible eye

Cord diameter	Mesh length	Approx. break strength ¹	Cat. #
0.50-0.61" (12.7-15.5mm)	11" (279.4mm)	3,400 lbs.	LP5011
0.62-0.74" (15.7-18.8mm)	11" (279.4mm)	4,100 lbs.	LP6211
0.75-0.99" (19.1-25.1mm)	13" (330.2mm)	4,100 lbs.	LP7512
1.00-1.24" (25.4-31.5mm)	14" (355.6mm)	5,800 lbs.	LP10013
1.25-1.49" (31.8-37.8mm)	15" (381.0mm)	5,800 lbs.	LP12514
1.50-1.74" (38.1-44.2mm)	16" (406.4mm)	7,500 lbs.	LP15015
1.75-1.99" (44.5-50.5mm)	18" (457.2mm)	10,000 lbs.	LP17517
2.00-2.49" (50.8-63.2mm)	19" (482.6mm)	10,000 lbs.	LP20018
2.50-2.99" (63.5-75.9mm)	19" (482.6mm)	13,000 lbs.	LP25018



LP7520

Standard length, flexible eye

Cord diameter	Mesh length	Approx. break strength ¹	Cat. #
0.50-0.61" (12.7-15.5mm)	16" (406.4mm)	3,400 lbs.	LP5016
0.62-0.74" (15.7-18.8mm)	16" (406.4mm)	4,100 lbs.	LP6216
0.75-0.99" (19.1-25.1mm)	20" (508.0mm)	4,100 lbs.	LP7520
1.00-1.24" (25.4-31.5mm)	20" (508.0mm)	7,500 lbs.	LP10020
1.25-1.49" (31.8-37.8mm)	22" (558.8mm)	7,500 lbs.	LP12521
1.50-1.99" (38.1-50.5mm)	25" (635.0mm)	7,500 lbs.	LP15023
2.00-2.49" (50.8-63.2mm)	26" (660.4mm)	10,000 lbs.	LP20025
2.50-2.99" (63.5-75.9mm)	28" (711.2mm)	13,000 lbs.	LP25027
3.00-3.49" (76.2-88.6mm)	30" (762.0mm)	13,200 lbs.	LP30030
3.50-3.99" (88.9-101.3mm)	32" (812.8mm)	19,400 lbs.	LP35032

¹ To determine workload safety factor, divide approximate break strength by 10. See page 28 for strength information.

Flexible eye medium duty pulling grips

Medium duty

Product description

Short, standard & long length, flexible eye 



MP25024



MP25036



MP25048

Features & applications

- Medium duty pulling grips are hand crafted with single weave strands that graduate to a double weave design for added strength and durability
- Variable mesh automatically adjusts its grip to the load providing non-slip pulling and helps protect cable insulation from damage
- These grips are woven in galvanized steel
- Used in industrial plants, commercial buildings and utility work
- Recommended for heavy or rugged applications and are ideally suited for overhead and underground pulling installations at an economical price

Short length, flexible eye, T-type

Cord diameter	Eye diameter	Mesh length	Approx. break strength [†]	Cat. #
0.50-0.61" (12.7-15.5mm)	7/32" (0.2mm)	21" (533.4mm)	4,500 lbs.	MP5021
0.62-0.74" (15.7-18.8mm)	1/4" (6.4mm)	24" (609.6mm)	5,600 lbs.	MP6224
0.75-0.99" (19.1-25.1mm)	1/4" (6.4mm)	24" (609.6mm)	6,800 lbs.	MP7524
1.00-1.49" (25.4-37.8mm)	5/16" (7.9mm)	24" (609.6mm)	9,600 lbs.	MP10024
1.50-1.99" (38.1-50.2mm)	7/16" (11.1mm)	24" (609.6mm)	16,400 lbs.	MP15024
2.00-2.49" (50.8-63.2mm)	7/16" (11.1mm)	24" (609.6mm)	18,500 lbs.	MP20024
2.50-2.99" (63.5-75.9mm)	1/2" (12.7mm)	24" (609.6mm)	24,500 lbs.	MP25024
3.00-3.49" (76.2-88.6mm)	1/2" (12.7mm)	24" (609.6mm)	24,500 lbs.	MP30024
3.50-3.99" (88.9-101.3mm)	5/8" (15.9mm)	26" (660.4mm)	31,000 lbs.	MP35026

Standard length, flexible eye, T-type

Cord diameter	Eye diameter	Mesh length	Approx. break strength [†]	Cat. #
0.75-0.99" (19.1-25.1mm)	1/4" (6.4mm)	36" (914.4mm)	6,800 lbs.	MP7536
1.00-1.49" (25.4-37.8mm)	5/16" (7.9mm)	36" (914.4mm)	9,600 lbs.	MP10036
1.50-1.99" (38.1-50.2mm)	7/16" (11.1mm)	36" (914.4mm)	16,400 lbs.	MP15036
2.00-2.49" (50.8-63.2mm)	7/16" (11.1mm)	36" (914.4mm)	18,500 lbs.	MP20036
2.50-2.99" (63.2-70.9mm)	1/2" (12.7mm)	36" (914.4mm)	24,500 lbs.	MP25036
3.00-3.49" (76.2-88.6mm)	1/2" (12.7mm)	36" (914.4mm)	24,500 lbs.	MP30036
3.50-3.99" (88.9-101.3mm)	5/8" (15.9mm)	36" (914.4mm)	31,000 lbs.	MP35036

Long length, flexible eye


Cord diameter	Mesh length	Approx. break strength [†]	Cat. #
0.75-0.99" (19.1-25.1mm)	48" (1219.2mm)	8,100 lbs.	MP7548
1.00-1.49" (25.4-37.8mm)	48" (1219.2mm)	11,600 lbs.	MP10048
1.50-1.99" (38.1-50.2mm)	48" (1219.2mm)	19,400 lbs.	MP15048
2.00-2.49" (50.8-63.2mm)	48" (1219.2mm)	19,400 lbs.	MP20048
2.50-2.99" (63.2-70.9mm)	48" (1219.2mm)	25,900 lbs.	MP25048
3.00-3.49" (76.2-88.6mm)	48" (1219.2mm)	25,900 lbs.	MP30048
3.50-3.99" (88.9-101.3mm)	48" (1219.2mm)	32,400 lbs.	MP35048

[†] To determine workload safety factor, divide approximate break strength by 10. See page 28 for strength information.

Rotating eye K-type heavy duty pulling grips

Heavy duty

Product description

Short & standard length, rotating eye, K-type 



PH7520



PH7532

Features & applications

- K-type pulling grips feature a double weave of galvanized steel for greater strength and added mesh contact with the cable as well as a forged steel compact rotating eye, which can be attached to a swivel
- They are designed to handle longer or heavier pulling jobs such as an installation of underground cables, communication lines and service lines
- Used in factories, construction sites and utility work
- Double weave variable mesh design provides added strength and greater mesh contact on the cable

Short length, rotating eye, K-type

Cord diameter	Eye diameter	Mesh length	Approx. break strength†	Cat. #
0.50-0.61" (12.7-15.5mm)	7/8" (22.2mm)	11" (279.4mm)	5,600 lbs.	PH5011
0.62-0.74" (15.7-18.8mm)	7/8" (22.2mm)	11" (279.4mm)	6,800 lbs.	PH6211
0.75-0.99" (19.1-25.1mm)	1" (25.4mm)	20" (508.0mm)	9,600 lbs.	PH7520
1.00-1.49" (25.4-37.8mm)	1-3/8" (34.9mm)	20" (508.0mm)	16,400 lbs.	PH10020
1.25-1.49" (31.8-37.8mm)	1-3/8" (34.9mm)	21" (533.4mm)	16,400 lbs.	PH12521
1.50-1.99" (38.1-50.2mm)	1-5/8" (41.3mm)	25" (635.0mm)	27,200 lbs.	PH15025
2.00-2.49" (50.8-63.2mm)	1-7/8" (47.6mm)	26" (660.4mm)	33,000 lbs.	PH20026
2.50-2.99" (63.5-75.9mm)	1-7/8" (47.6mm)	28" (711.2mm)	41,000 lbs.	PH25028
3.00-3.49" (76.2-88.6mm)	1-7/8" (47.6mm)	30" (762.0mm)	48,000 lbs.	PH30030
3.50-3.99" (88.9-101.3mm)	1-7/8" (47.6mm)	32" (812.8mm)	48,000 lbs.	PH35032
4.00-4.49" (101.6-114.0mm)	1-7/8" (47.6mm)	33" (838.2mm)	48,000 lbs.	PH40033

Standard length, rotating eye, K-type

Cord diameter	Eye diameter	Mesh length	Approx. break strength†	Cat. #
0.50-0.61" (12.7-15.5mm)	7/8" (22.2mm)	16" (406.4mm)	5,600 lbs.	PH5016
0.62-0.74" (15.7-18.8mm)	7/8" (22.2mm)	16" (406.4mm)	6,800 lbs.	PH6216
0.75-0.99" (19.1-25.1mm)	1" (25.4mm)	32" (812.8mm)	9,600 lbs.	PH7532
1.00-1.24" (20.4-31.5mm)	1-3/8" (34.9mm)	33" (838.2mm)	16,400 lbs.	PH10033
1.50-1.99" (38.1-50.2mm)	1-3/8" (34.9mm)	34" (863.8mm)	16,400 lbs.	PH15034
2.00-2.49" (50.8-63.2mm)	1-5/8" (41.3mm)	36" (914.4mm)	27,200 lbs.	PH20036
2.50-2.99" (63.5-75.9mm)	1-7/8" (47.6mm)	38" (968.2mm)	33,000 lbs.	PH25038
3.00-3.49" (76.2-88.6mm)	1-7/8" (47.6mm)	39" (990.6mm)	41,000 lbs.	PH30039
3.50-3.99" (88.9-101.3mm)	1-7/8" (47.6mm)	41" (1041.4mm)	48,000 lbs.	PH35041
4.00-4.49" (101.6-114.0mm)	1-7/8" (47.6mm)	42" (1066.8mm)	48,000 lbs.	PH40042
4.50-4.99" (114.3-126.8mm)	1-7/8" (47.6mm)	58" (1473.2mm)	48,000 lbs.	PH45058
5.00-5.99" (127.0-152.1mm)	1-7/8" (47.6mm)	60" (1524.0mm)	48,000 lbs.	PH50060
6.00-6.99" (152.4-177.6mm)	1-7/8" (47.6mm)	66" (1676.4mm)	48,000 lbs.	PH60066

† To determine workload safety factor, divide approximate break strength by 10. See page 28 for strength information.

Rotating & flexible eye multi-weave pulling grips

Multi-weave

Product description

Rotating & flexible eye



PMF12556

Features & applications

- Multi-weave pulling grips are constructed of high strength galvanized steel and are designed for pulling aluminum or copper bare conductor, wire rope and insulated cables
- The forged steel rotating eye will thread through sheaves and blocks without binding, but is not a swivel and will not turn under tension
- Multi-weave pulling grips are available with a flexible or rotating eye, which can be attached to a swivel
- The rotating eye can turn to relieve pulling torque when tension is relaxed
- These grips are used in applications such as distribution line stringing and overhead transmission

Rotating eye

Cord diameter	Eye diameter	Mesh length	Approx. break strength†	Cat. #
0.25-0.49" (6.4-12.5mm)	7/8" (22.2mm)	26" (660.4mm)	6,800 lbs.	PMR2526
0.50-0.74" (12.7-18.8mm)	1" (25.4mm)	32" (812.8mm)	10,000 lbs.	PMR5032
0.75-0.99" (19.1-25.1mm)	1" (25.4mm)	41" (1041.4mm)	14,400 lbs.	PMR7541
1.00-1.24" (25.4-31.8mm)	1-3/8" (34.9mm)	52" (1320.8mm)	24,600 lbs.	PMR10052
1.25-1.49" (31.8-37.8mm)	1-5/8" (41.3mm)	56" (1422.4mm)	30,600 lbs.	PMR12556
1.50-1.74" (38.1-44.2mm)	1-7/8" (47.6mm)	60" (1524.0mm)	30,600 lbs.	PMR15060
2.00-2.49" (50.8-63.3mm)	1-7/8" (47.6mm)	50" (1270.0mm)	48,000 lbs.	PMR20050
2.50-2.99" (63.5-76.0mm)	1-7/8" (47.6mm)	52" (1320.8mm)	48,000 lbs.	PMR25052
3.00-3.49" (76.2-88.6mm)	1-7/8" (47.6mm)	54" (1371.6mm)	48,000 lbs.	PMR30054
3.50-3.99" (88.9-101.3mm)	1-7/8" (47.6mm)	56" (1422.4mm)	48,000 lbs.	PMR35056

Flexible eye

Cord diameter	Eye diameter	Mesh length	Approx. break strength†	Cat. #
0.25-0.49" (6.4-12.5mm)	1/4" (6.4mm)	26" (660.4mm)	6,800 lbs.	PMF2526
0.50-0.74" (12.7-18.8mm)	5/16" (7.9mm)	32" (812.8mm)	10,000 lbs.	PMF5032
0.75-0.99" (19.1-25.1mm)	3/8" (9.5mm)	41" (1041.4mm)	14,400 lbs.	PMF7541
1.00-1.24" (25.4-31.8mm)	1/2" (12.7mm)	52" (1320.8mm)	24,600 lbs.	PMF10052
1.25-1.49" (31.8-37.8mm)	1/2" (12.7mm)	56" (1422.4mm)	30,600 lbs.	PMF12556
1.50-1.74" (38.1-44.2mm)	1/2" (12.7mm)	60" (1524.0mm)	30,600 lbs.	PMF15060
2.00-2.49" (50.8-63.3mm)	5/8" (15.9mm)	50" (1270.0mm)	48,000 lbs.	PMF20050
2.50-2.99" (63.5-76.0mm)	5/8" (15.9mm)	52" (1320.8mm)	48,000 lbs.	PMF25052
3.00-3.49" (76.2-88.6mm)	5/8" (15.9mm)	54" (1371.6mm)	48,000 lbs.	PMF30054
3.50-3.99" (88.9-101.3mm)	5/8" (15.9mm)	56" (1422.4mm)	48,000 lbs.	PMF35056


NOTE: It is recommended that a swivel be used for release of torque during a pull. Use a connecting link when a swivel is not needed. Do not run grips or swivels over bullwheels while under tension. Do not use multi-weave for pulling rope. See installation instructions supplied with grip for recommended swivels, links and clamps or accessories listing.

† To determine workload safety factor, divide approximate break strength by 10. See page 28 for strength information.

Offset eye slack-double weave pulling grips

Slack-double weave

Product description

Standard & long length, offset eye 



SKT15017



SKT15025

Features & applications

- Slack grips feature an offset eye for easy attachment to the pulling line
- High strength galvanized steel wire mesh
- Used when cable end is accessible
- Single offset eye easily mates to swivel and line type connectors as well as easy attachment to pull line
- Used in factory maintenance and construction, utility work and replacement of underground cable
- Slack grips are reusable grips used for pulling slack in underground cable preparatory to final placement
- Also used for cable removal

Standard length, offset eye

Cord diameter	Mesh length	Approx. break strength†	Cat. #
0.75-0.99" (19.1-25.1mm)	13" (330.2mm)	3,000 lbs.	SKT7512
1.00-1.24" (25.4-31.2mm)	16" (406.4mm)	4,200 lbs.	SKT10015
1.25-1.49" (31.8-37.8mm)	17" (431.8mm)	5,500 lbs.	SKT12516
1.50-1.74" (38.1-44.2mm)	18" (457.2mm)	7,400 lbs.	SKT15017
1.75-1.99" (44.5-50.5mm)	19" (482.6mm)	11,000 lbs.	SKT17518
2.00-2.49" (50.8-63.3mm)	20" (508.0mm)	11,000 lbs.	SKT20019
2.50-2.99" (63.5-76.0mm)	21" (533.4mm)	11,000 lbs.	SKT25020
3.00-3.49" (76.2-88.6mm)	22" (558.8mm)	16,000 lbs.	SKT30021
3.50-3.99" (88.9-101.3mm)	23" (584.2mm)	16,000 lbs.	SKT35022

Long length, offset eye

Cord diameter	Mesh length	Approx. break strength†	Cat. #
0.75-0.99" (19.1-25.1mm)	21" (533.4mm)	3,000 lbs.	SKT7520
1.00-1.24" (25.4-31.2mm)	21" (533.4mm)	5,500 lbs.	SKT10020
1.25-1.49" (31.8-37.8mm)	24" (609.6mm)	5,500 lbs.	SKT12523
1.50-1.74" (38.1-44.2mm)	26" (660.4mm)	7,400 lbs.	SKT15025
2.00-2.49" (50.8-63.3mm)	27" (685.8mm)	11,000 lbs.	SKT20026
2.50-2.99" (63.5-76.0mm)	30" (762.0mm)	11,000 lbs.	SKT25029
3.00-3.49" (76.2-88.6mm)	33" (838.2mm)	16,000 lbs.	SKT30032
3.50-3.99" (88.9-101.3mm)	36" (914.4mm)	16,000 lbs.	SKT35035

† To determine workload safety factor, divide approximate break strength by 10. See page 28 for strength information.



Offset eye split lace slack-double weave pulling grips

Slack - double weave

Product description

Split lace
Standard & long length, offset eye 



SKTL12516

Features & applications

- High strength galvanized steel wire mesh
- Single offset eye easily mates to swivel and line type connectors. Easy attachment to pull line
- Available in standard & long length, double weave, lace closing
- Used when cable end is not accessible
- Used in factory maintenance and construction, utility work and replacement of underground cable



SKTL12524

Standard length, offset eye

Cord diameter	Mesh length	Approx. break strength [†]	Cat. #
0.75-0.99" (19.1-25.1mm)	13" (330.2mm)	3,000 lbs.	SKTL7512
1.00-1.24" (25.4-31.2mm)	16" (406.4mm)	4,100 lbs.	SKTL10015
1.25-1.49" (31.8-37.8mm)	17" (431.8mm)	4,100 lbs.	SKTL12516
1.50-1.74" (38.1-44.2mm)	18" (457.2mm)	5,500 lbs.	SKTL15017
1.75-1.99" (44.5-50.5mm)	19" (482.6mm)	7,300 lbs.	SKTL17518
2.00-2.49" (50.8-63.3mm)	20" (508.0mm)	7,300 lbs.	SKTL20019
2.50-2.99" (63.5-76.0mm)	21" (533.4mm)	7,300 lbs.	SKTL25020
3.00-3.49" (76.2-88.6mm)	22" (558.8mm)	9,200 lbs.	SKTL30021
3.50-3.99" (88.9-101.3mm)	23" (584.2mm)	11,000 lbs.	SKTL35022

Long length, offset eye

Cord diameter	Mesh length	Approx. break strength [†]	Cat. #
0.75-0.99" (19.1-25.1mm)	21" (533.4mm)	3,000 lbs.	SKTL7521
1.00-1.24" (25.4-31.2mm)	21" (533.4mm)	5,500 lbs.	SKTL10021
1.25-1.49" (31.8-37.8mm)	24" (609.6mm)	5,500 lbs.	SKTL12524
1.50-1.74" (38.1-44.2mm)	25" (635.0mm)	7,400 lbs.	SKTL15025
2.00-2.49" (50.8-63.3mm)	27" (685.8mm)	11,000 lbs.	SKTL20027
2.50-2.99" (63.5-76.0mm)	30" (762.0mm)	11,000 lbs.	SKTL25030
3.00-3.49" (76.2-88.6mm)	33" (838.2mm)	16,000 lbs.	SKTL30033
3.50-3.99" (88.9-101.3mm)	36" (914.4mm)	16,000 lbs.	SKTL35036

[†] To determine workload safety factor, divide approximate break strength by 10. See page 28 for strength information.

Offset eye split rod slack-single weave pulling grips

Slack - single weave

Product description

Split rod
Standard length, offset eye



SKR7510

Features & applications

- High strength galvanized steel wire mesh
- Single offset eye easily mates to swivel and line type connectors. Easy attachment to pull line
- Available in standard length, single weave and rod closing
- Used when cable end is not accessible
- Dependable, reusable tool for pulling up slack where cable is in service
- Used in factory maintenance and construction, utility work and replacement of underground cable

Standard length, offset eye

Cord diameter	Mesh length	Approx. break strength†	Cat. #
0.62-0.74" (15.7-18.8mm)	9" (228.6mm)	1,900 lbs.	SKR628
0.75-0.99" (19.1-25.1mm)	11" (279.4mm)	3,000 lbs.	SKR7510
1.00-1.24" (25.4-31.2mm)	12" (304.8mm)	4,100 lbs.	SKR10012
1.25-1.49" (31.8-37.8mm)	14" (355.6mm)	5,700 lbs.	SKR12514
1.50-1.74" (38.1-44.2mm)	16" (406.4mm)	5,800 lbs.	SKR15015
1.75-1.99" (44.5-50.5mm)	17" (431.8mm)	7,700 lbs.	SKR17516
2.50-2.99" (63.5-76.0mm)	21" (533.4mm)	11,300 lbs.	SKR25020
3.50-3.99" (88.9-101.3mm)	25" (635.0mm)	15,100 lbs.	SKR35024

† To determine workload safety factor, divide approximate break strength by 10. See page 28 for strength information.

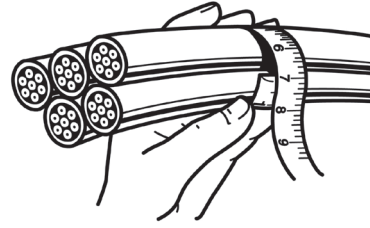
Wire mesh grip reference

Selecting properly sized pulling and support grips

Select grip size based upon the outside diameter or circumference of the cable(s). See following reference tables for convenience in determining cable diameters

Grip selection for one or more cables of equal diameter

1. Read across top line for number of cables in one grip
2. Read down for diameter of each cable
3. Read across to the right to grip diameter range column



Example: For five cables together with diameter of 0.42" each

1. Locate "5 cables" column
2. Read down column to range (0.38–0.48")
3. Read across line to grip diameter range (1.00–1.25")

Decimal and fraction inch cable diameters for one or more cables of equal diameter

1 Cable	2 Cables	3 Cables	4 Cables	Grip diameter range
0.25-0.37" = 1/4-3/8"	0.16-0.25" = 1/64-1/4"	0.15-0.22" = 5/32-7/32"	0.12-0.20" = 1/8-13/64"	0.25-0.375"
0.37-0.50" = 3/8-1/2"	0.25-0.36" = 1/4-23/64"	0.22-0.33" = 7/32-21/64"	0.20-0.28" = 13/64-9/32"	0.375-0.50"
0.50-0.62" = 1/2-5/8"	0.27-0.36" = 17/64-23/64"	0.26-0.33" = 17/64-21/64"	0.24-0.28" = 15/64-9/32"	0.50-0.62"
0.62-0.75" = 5/8-3/4"	0.36-0.45" = 23/64-29/64"	0.33-0.36" = 21/64-23/64"	0.28-0.31" = 9/32-5/16"	0.62-0.75"
0.75-1.00" = 3/4-1"	0.45-0.60" = 29/64-39/64"	0.36-0.49" = 23/64-31/64"	0.31-0.42" = 5/16-27/64"	0.75-1.00"
1.00-1.25" = 1-1 1/4"	0.60-0.76" = 39/64-49/64"	0.49-0.63" = 31/64-5/8"	0.42-0.54" = 27/64-35/64"	1.00-1.25"
1.25-1.50" = 1 1/4-1 1/2"	0.76-0.91" = 49/64-29/32"	0.63-0.75" = 5/8-49/64"	0.54-0.65" = 35/64-21/32"	1.25-1.50"
1.50-1.75" = 1 1/2-1 3/4"	0.91-1.08" = 29/32-1 15/64"	0.76-0.89" = 49/64-57/64"	0.65-0.77" = 21/32-49/64"	1.50-1.75"
1.75-2.00" = 1 3/4-2"	1.23-1.54" = 1 15/64-1 35/64"	0.89-1.02" = 57/64-11/64"	0.77-0.88" = 49/64-7/8"	1.75-2.00"
2.00-2.50" = 2-2 1/2"	1.54-1.84" = 1 15/64-1 35/64"	1.02-1.28" = 1 1/64-1 9/32"	0.88-1.00" = 7/8-1"	2.00-2.50"
2.50-3.00" = 2 1/2-3"	1.54-1.84" = 1 35/64-1 27/32"	1.28-1.53" = 1 9/32-1 17/32"	1.10-1.32" = 1 3/32-1 21/64"	2.50-3.00"
3.00-3.50" = 3-3 1/2"	1.84-2.15" = 1 27/32-1 25/32"	1.53-1.79" = 1 17/32-1 51/64"	1.32-1.54" = 1 21/64-1 35/64"	3.00-3.50"
3.50-4.00" = 3 1/2-4"	2.15-2.45" = 2 5/32-2 29/64"	1.79-2.05" = 1 51/64-2 3/64"	1.54-1.76" = 1 35/64-1 49/64"	3.50-4.00"

Decimal and fraction inch cable diameters for one or more cables of equal diameter

5 Cables	6 & 7 Cables	8 Cables	9 Cables	Grip diameter range
0.11-0.14" = 7/64-9/64"	0.10-0.11" = 3/32-7/64"	0.09-0.10" = 3/32-7/64"	0.06-0.09" = 1/16-3/32"	0.25-0.375"
0.14-0.21" = 9/64-1/4"	0.11-0.25" = 7/64-1/4"	0.10-0.20" = 7/64-13/64"	0.09-0.19" = 3/32-3/16"	0.375-0.50"
0.21-0.25" = 7/32-1/4"	0.19-0.22" = 3/16-7/32"	0.17-0.20" = 11/64-13/64"	0.15-0.19" = 5/32-3/16"	0.50-0.62"
0.25-0.29" = 1/4-19/64"	0.22-0.26" = 7/32-17/64"	0.20-0.23" = 13/64-15/64"	0.19-0.22" = 3/16-7/32"	0.62-0.75"
0.29-0.38" = 19/64-3/8"	0.26-0.34" = 17/64-11/32"	0.23-0.31" = 15/64-5/16"	0.22-0.31" = 7/32-5/16"	0.75-1.00"
0.38-0.48" = 3/8-31/64"	0.34-0.43" = 11/32-7/16"	0.31-0.39" = 5/16-25/64"	0.29-0.36" = 19/64-23/64"	1.00-1.25"
0.48-0.58" = 31/64-41/64"	0.43-0.52" = 7/16-33/64"	0.39-0.46" = 25/64-15/32"	0.36-0.43" = 23/64-7/16"	1.25-1.50"
0.58-0.67" = 37/64-43/64"	0.52-0.60" = 33/64-39/64"	0.46-0.54" = 15/32-35/64"	0.43-0.49" = 7/16-31/64"	1.50-1.75"
0.67-0.77" = 43/64-49/64"	0.60-0.69" = 39/64-11/16"	0.54-0.62" = 35/64-5/8"	0.49-0.57" = 31/64-37/64"	1.75-2.00"
0.77-0.96" = 49/64-31/32"	0.69-0.86" = 11/16-55/64"	0.62-0.77" = 5/8-49/64"	0.57-0.72" = 37/64-23/32"	2.00-2.50"
0.96-1.16" = 31/32-1 5/32"	0.86-1.03" = 55/64-1 1/32"	0.77-0.93" = 49/64-15/16"	0.72-0.86" = 23/32-55/64"	2.50-3.00"
1.16-1.35" = 1 5/32-1 23/64"	1.03-1.20" = 1 1/32-1 13/64"	0.93-1.08" = 15/16-1 5/64"	0.86-1.00" = 55/64-1"	3.00-3.50"
1.35-1.54" = 1 23/64-1 35/64"	1.20-1.37" = 1 13/64-1 3/8"	1.08-1.24" = 1 5/64-1 15/64"	1.00-1.14" = 1-1 9/64"	3.50-4.00"

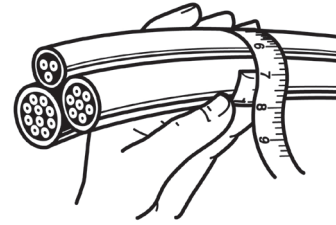
Wire mesh grip reference

Selecting properly sized pulling and support grips

Grip circumference range refers to circumference of all cables held together

Grip circumference range refers to circumference of all cables held together

1. Determine grip circumference range by measuring circumference of bundle of cables to be held (as shown in illustration)
2. Read down to locate correct range
3. Read across to grip diameter column

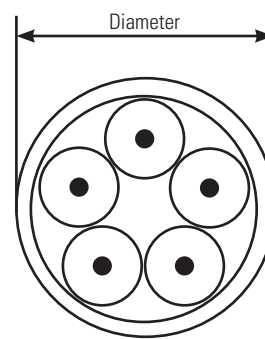


Example: For three cables together with combined circumference of 6.35"

1. Read down "inches (decimal)" column for 6.35" (6.29-7.86")
2. Read across line to grip diameter range (2.00-2.50")

Grip circumference range for cables of different diameter

Inches (fractional)	Inches (decimal)	Grip diameter range
25/32-1 11/64"	0.78-1.17"	0.25-0.375"
1 11/64-1 37/64"	1.17-1.57"	0.375-0.50"
1 37/64-2 3/8"	1.57-2.37"	0.50-0.75"
1 15/16-2 3/8"	1.94-2.37"	0.625-0.75"
2 3/8-3 5/32"	2.37-3.15"	0.75-1.00"
3 5/32-3 15/16"	3.15-3.94"	1.00-1.25"
3 15/16-4"	3.94-4.72"	1.25-1.50"
4 23/32-5 33/64"	4.72-5.51"	1.50-1.75"
5 33/64-6 19/64"	5.51-6.29"	1.75-2.00"
6 19/64-7 55/64"	6.29-7.86"	2.00-2.50"
7 55/64-9 7/16"	7.86-9.43"	2.50-3.00"
9 7/16-11 1/64"	9.43-11.01"	3.00-3.50"
11 1/64-12 37/64"	11.01-12.58"	3.50-4.00"



Cord diameters reference table

AWG wire size & type	2 Conductors	3 Conductors	4 Conductors	5 Conductors
18 SO, STO	0.36"	0.38"	0.41"	0.49"
18 SJO, SJTO	0.30"	0.32"	0.35"	—
16 SO, STO	0.39"	0.41"	0.44"	0.52"
16 SJO, SJTO	0.32"	0.34"	0.37"	—
14 SO, STO	0.52"	0.55"	0.59"	0.67"
14 SJO, SJTO	0.34"	0.36"	0.39"	—
12 SO, STO	0.60"	0.62"	0.68"	0.74"
12 SJO, SJTO	0.41"	0.43"	0.47"	—
10 SO, STO	0.65"	0.69"	0.74"	0.80"
10 SJO, SJTO	0.54"	0.57"	0.63"	—
8 SO, STO	0.83"	0.88"	0.99"	1.08"
6 SO, STO	0.99"	1.04"	1.12"	1.25"

For your convenience, above are nominal overall diameters (in inches) for flexible cord.

Wire mesh grip reference

Strength information

The approximate breaking strength of any Crouse-Hinds series wire mesh cable grip is based on working load information established in laboratory testing. In making these determinations, it is not possible to cover all applications and operating conditions. Variables such as diameters, gripping surfaces, number of items gripped, tension, movement, attachment, abrasion, corrosion, prior use, or abuse must be assessed by the user. Greater safety factors should be utilized when the conditions of application are vague or unknown.

Wire mesh grips should never be used to the approximate breaking strength. For specific applications where strength and holding power are important, consult the manufacturer. To determine the recommended working load safety factor for listed cable grips, divide the approximate breaking strength by 5 for pulling grips and 10 for support grips. Crouse-Hinds maintains a 6 sigma safety factor for pulling grips and a 5 sigma safety factor for support grips for these recommended working loads (using average break strengths obtained on new grips under lab test conditions).

Example: For pulling grips – $33,000 \div 5 = 6,600$ lbs. which is the workload factor

Example: For support grips – $10,080 \div 10 = 1,008$ lbs. which is the workload factor

Grip cable range conversion

Inches (fractional)	Inches (decimal)	Metric (mm)
1 1/4-1 31/64"	1.25-1.49"	31.75-37.70mm
1 1/2-1 63/64"	1.50-1.99"	38.10-50.40mm
2-2 31/64"	2.00-2.49"	50.80-63.10mm
2 1/2-2 63/64"	2.50-2.99"	63.50-75.80mm
3-3 31/64"	3.00-3.49"	76.20-88.50mm
3 1/2-3 63/64"	3.50-3.99"	88.90-101.20mm

Grip cable range conversion

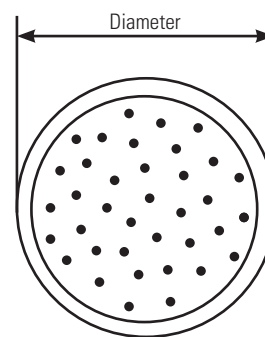
Inches (fractional)	Inches (decimal)	Metric (mm)
1/4-23/64"	0.25-0.36"	6.35-9.13mm
3/8-31/64"	0.37-0.49"	9.52-12.30mm
1/2-39/64"	0.50-0.61"	12.70-15.48mm
5/8-47/64"	0.62-0.74"	15.88-18.65mm
3/4-63/64"	0.75-0.99"	19.05-25.00mm
1-1 15/64"	1.00-1.24"	25.40-31.35mm

AWG or MCM wire sizes

This table to be used as guide only. Sizes may vary by manufacturer.

Grip cable range conversion

AWG or MCM	Approximate diameter THHM	Approximate diameter THW
14	0.105"	0.162"
12	0.122"	0.179"
10	0.153"	0.199"
8	0.201"	0.259"
6	0.257"	0.323"
4	0.328"	0.372"
3	0.356"	0.401"
2	0.388"	0.433"
1	0.450"	0.508"
1/0	0.491"	0.549"
2/0	0.537"	0.595"
3/0	0.588"	0.647"
4/0	0.646"	0.705"
250	0.716"	0.788"
300	0.771"	0.843"
350	0.822"	0.895"
400	0.869"	0.942"
500	0.955"	1.03"
600	1.06"	1.14"
700	1.13"	1.21"
750	1.16"	1.25"
1000	1.32"	1.40"



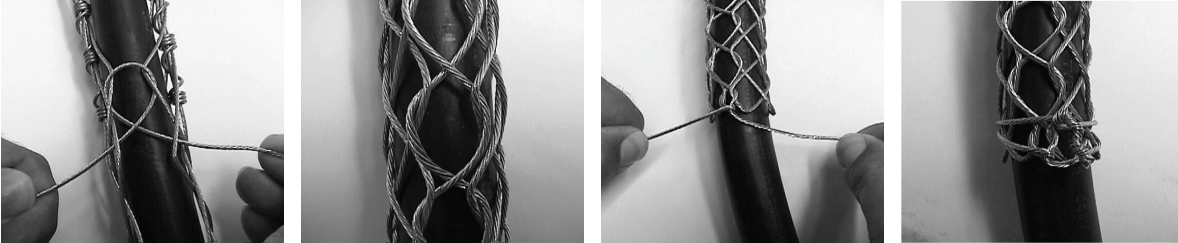
Wire mesh closing instructions

Split mesh closing instructions

Permanent and temporary support applications where cable end is not available.

Split mesh grip lace closing instructions

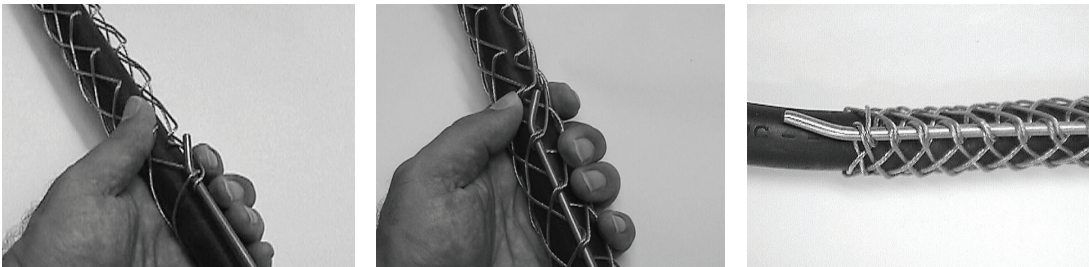
Lace closing grips are for permanent support applications where the cable end is not available. Laces should be the same material as the grip. The lace should also be the same weave as the grip mesh. A single lace should be used with single weave grips. A double lace should be used with double weave grips. Crouse-Hinds series grips are supplied with the appropriate lace. Only new laces should be used.



1. Place the grip around the cable. Starting at the eye end, thread the lace through the first two loops on either side of the mesh split. Pull the lace through the loops until the lace strands and thread them through the next two loops. Continue lacing the grip with this method
2. Do not lace the grip too tight. The mesh spacing created by the lace should be equal to the mesh spacing of the rest of the grip
3. At the end of the grip, twist the laces tightly together or tie a knot
4. Wrap the laces tightly around the tail of the grip once or twice. Twist the ends tightly to secure. Extra lace may be cut off

Split mesh grip rod closing instructions

Rod closing grips are for temporary support applications where the cable end is not available. Rod closing grips are quick and easy to install and are reusable.



1. Place the grip around the cable. Starting at the eye end, thread the rod through the formed loops with a corkscrew motion. Use the curved leading end of the rod to pull the loops together
2. Use a steady push and twist motion with the hand on the rod. The fingers of the other hand pull the mesh loops together in front of the leading end of the rod
3. To remove the grip, pull the rod out

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