



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 Arrow Hart 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.

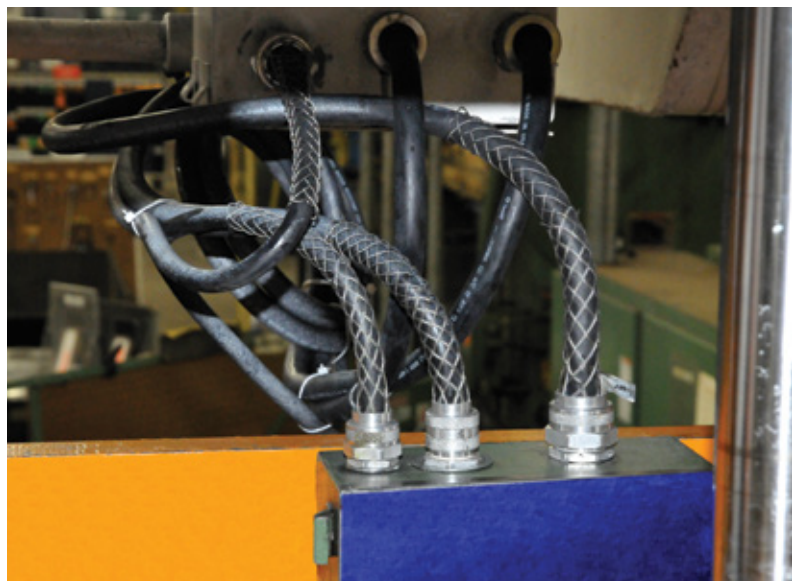
In order to assure safe installation and performance, it is imperative that adequate safety factors be taken into consideration to compensate for varied operating conditions to which wire mesh grips are subjected.

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 pulling grips and 10 for support grips. Arrow Hart 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.

Compliances, specifications and availability are subject to change without notice.



Wire mesh grip families

Complete offering of wire mesh grips built tough for industrial applications

Arrow Hart supplies a broad selection of strain relief, pulling and support grips in a wide range of styles and sizes to serve all of your cable protection needs



Strain relief grips

Strain relief grips are used to connect cable enclosures and industrial equipment. These grips 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.



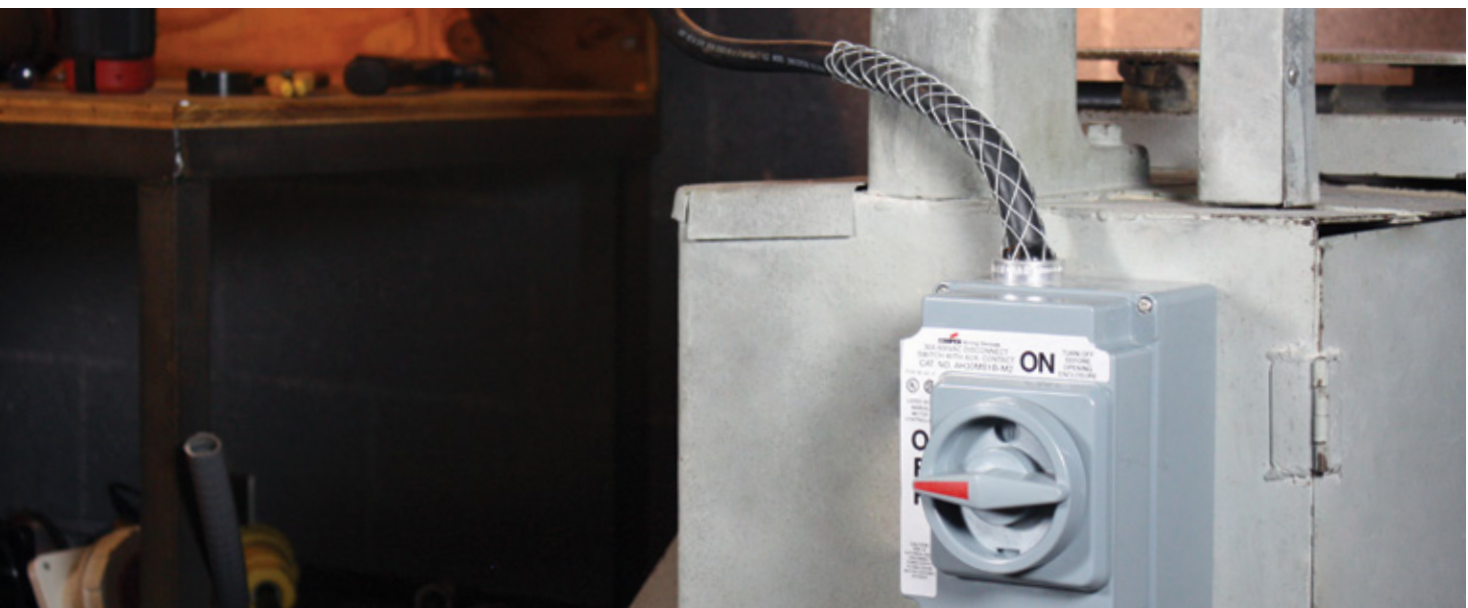
Support grips

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



Pulling grips

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



Quick reference selection guide

Strain relief grips

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 protects 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.

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Strain relief grips

Strain relief grips catalog numbering system*

Deluxe cord grips, dust tight grips,
I-grips & liquid-tight grips

Deluxe cord grips

Deluxe cord grips

sample number:

DC7312-45

Sample number.
DC7312-45

DC 7 312 45				
Fitting size	Cord diameter reference			Angle or gender
0 = 3/8"	187 = .19-.25"	1125 = 1.13-1.25"	2062 = 2.06-2.19"	45 = 45 Degree fitting
1 = 1/2"	250 = .25-.31"	1250 = 1.25-1.38"	2187 = 2.19-2.31"	90 = 90 Degree fitting
2 = 3/4"	312 = .31-.38"	1312 = 1.31-1.44"	2312 = 2.31-2.44"	F = Female
3 = 1"	375 = .38-.50"	1437 = 1.44-1.56"	2437 = 2.44-2.63"	
4 = 1 1/4"	500 = .50-.63"	1562 = 1.56-1.69"	2625 = 2.63-2.81"	
5 = 1 1/2"	625 = .63-.75"	1687 = 1.69-1.81"	2812 = 2.81-3.00"	
6 = 2"	750 = .75-.88"	1750 = 1.75-1.88"	3000 = 3.00-3.25"	
7 = 2 1/2"	875 = .88-1.00"	1812 = 1.81-1.94"		
8 = 3"	1000 = 1.00-1.13"	1937 = 1.94-2.06"		

Dust tight grips

Dust tight grips

sample number:

TCI4125

TC		I	4	125		
Insulation option		Fitting size		Cord diameter reference		
I = Insulated		1 = 1/2"	5 = 1 1/2"	24 = .22-.32"	73 = .70-.97"	150 = 1.40-1.75"
		2 = 3/4"	6 = 2"	32 = .30-.43"	97 = .94-1.25"	170 = 1.62-2.00"
		3 = 1"	7 = 2 1/2"	43 = .40-.54"	125 = 1.20-1.50"	200 = 2.00-2.45"
		4 = 1 1/4"		54 = .52-.73"		

I-grips

I-grips

sample number:

I94

<u>I</u> <u>94</u>	
Cord diameter reference	
30 = .30-.45"	70 = .70-.85"
40 = .40-.56"	82 = .82-1.00"
52 = .52-.73"	94 = .94-1.25"

Liquid-tight grips

Liquid-tight grips

sample number:

LTB645

<u>LTB</u> <u>9</u> <u>45</u>			
Fitting size	Angle		
0 = 3/8"	0 = Straight		
1 = 1/2"	45 = 45 Degree fitting		
2 = 3/4"	90 = 90 Degree fitting		
3 = 1"			
4 = 1 1/4"			
5 = 1 1/2"			
6 = 2"			
7 = 2 1/2"			
8 = 3"			
9 = 4"			

*Not for use with watertight grips

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Deluxe cord grips

Product description

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

Features & applications

- Deluxe cord grips are woven of 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 eliminate strain
- Prevents pull tension reducing cable pullout and system downtime
- Eliminates 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 Arrow Hart 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



Deluxe cord grips
straight male connector



Deluxe cord grips
90° male connector



Deluxe cord grips
45° male connector



Deluxe cord grips
straight female connector

3/8" NPT deluxe cord grips

Cord diameter	Straight male catalog no.		90° Male catalog no.	
0.19-0.25" (4.8-6.4mm)	☐ DC000187	•	☐ DC000187-90	•
0.25-0.31" (6.4-7.9mm)	☐ DC000250	•	☐ DC000250-90	•
0.31-0.38" (7.9-9.7mm)	☐ DC000312	•	☐ DC000312-90	•
0.38-0.50" (9.7-12.7mm)	☐ DC000375	•	☐ DC000375-90	•

1/2" NPT deluxe cord grips

Cord diameter	Straight male catalog no.		90° Male catalog no.		45° Male catalog no.		Straight female catalog no.	
0.19-0.25" (4.8-6.4mm)	☐ DC100187	•	☐ DC100187-90	•	☐ DC100187-45	•	☐ DC100187-F*	•
0.25-0.38" (6.4-9.6mm)	☐ DC100250	•	☐ DC100250-90	•	☐ DC100250-45	•	☐ DC100250-F*	•
0.38-0.50" (9.7-12.7mm)	☐ DC100375	•	☐ DC100375-90	•	☐ DC100375-45	•	☐ DC100375-F*	•
0.50-0.63" (12.7-16.0mm)	☐ DC100500	•	☐ DC100500-90	•	☐ DC100500-45	•	☐ DC100500-F*	•
0.63-0.75" (16.0-19.1mm)	☐ DC100625*	•	—	—	—	—	—	—
0.75-0.88" (19.1-22.4mm)	☐ DC100750*	•	—	—	—	—	—	—

* Not UL Listed

3/4" NPT deluxe cord grips

Cord diameter	Straight male catalog no.		90° Male catalog no.		45° Male catalog no.		Straight female catalog no.	
0.25-0.38" (6.4-9.6mm)	☐ DC200250	•	☐ DC200250-90	•	☐ DC200250-45	•	☐ DC200250-F*	•
0.38-0.50" (9.7-12.7mm)	☐ DC200375	•	☐ DC200375-90	•	☐ DC200375-45	•	☐ DC200375-F*	•
0.50-0.63" (12.7-16.0mm)	☐ DC200500	•	☐ DC200500-90	•	☐ DC200500-45	•	☐ DC200500-F*	•
0.63-0.75" (16.0-19.1mm)	☐ DC200625	•	☐ DC200625-90	•	☐ DC200625-45	•	☐ DC200625-F*	•
0.75-0.88" (19.1-22.4mm)	☐ DC200750*	•	—	—	—	—	—	—

* Not UL Listed

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 Indicates NAFTA compliant - Page Q-30