DCD Pulling Grips

Hand-woven by experienced tradespeople in order to guarantee a consistent level of high quality, DCD Pulling Grips enclose the cable firmly over the entire length of the mesh. They are made of high tensile steel strands. Depending on the type of grip, the strand is comprised of seven, twelve, or nineteen wires. By selecting the most suitable strand, the tension distribution characteristics can be adjusted to suit the requirements.

DCD grips are reverse woven, creating a loop at the end of the grip instead of being soldered or crimped together. These grips meet the highest standards in terms of material and workmanship and we are pleased to offer a wide range of grips with different designs and eye arrangements for onsite (or premise), underground or overhead installations.

The looped pulling head is actually a separate wire rope eye which is placed inside the swage sleeve along with the wire mesh strands. The swage sleeve is then crimped forming an extremely effective anchor point for both the looped head and the wire mesh. Testing proves this is never the weakest link of the product. The flexible eye allows cable to be pulled easily through smaller ducting.

Some DCD grips have rotating heads, which allow the grip to rotate while not under load. DCD also offers the Wire Grip Swivel (pg 24), designed specifically for use with flexible eye grips. It is easily interchangeable, but it will also not rotate under load.

All capacities indicated are approximate breaking strength. Each user must decide what safety factor they require for each specific operation before selecting which grip to use. Due to metal fatigue and possible in-use damage, quoted values only apply to new grips.

Special configurations (double eyes, extra length, etc) may be available as a special factory order. Contact Customer Service with your requirements.

Reverse-Woven Grip End

Looped Pulling Head

Rotating Pulling Head

Selecting the Correct Grip

Grips are designed for a specific range of cable diameter. To select the correct grip for the job you are pulling:

1. Determine the outside cable diameter. Fit as close as possible to the cable diameter, choosing the size smaller when on a boundary.
2. Wherever possible, use a closed mesh that assembles over the cable end. Use a split mesh when the cable end is not available.
3. Select the eye style best suited to your requirements.
4. Estimate the tension that will be put on the grip and calculate the working load you require, allowing for correct safety factors suitable for the application (3-5 times is typical for pulling grips; refer to your local requirements or practices).
5. Always read breaking strength, safety, and technical data information. Approximate mesh length is measured at an average grip diameter.
6. Taking all of the above into account, look in the size range column of the appropriate grip and determine the part number best suited to your pull.

Multiple Cable Installation Selection

The following table will assist you in selecting the correct grip size for installations using multiple cables. If the bundle has cables of different diameters, measure the circumference of the bundle and refer to the first column in the table. If the bundle has cables of the same diameter, simply take the diameter from a single cable and refer to the appropriate column based on how many cables are in the bundle.

Mixed Cables: Circumference of Bundle	2 Cables: Diameter of Each Cable	3 Cables: Diameter of Each Cable	4 Cables: Diameter of Each Cable	5 Cables: Diameter of Each Cable	6 or 7 Cables: Diameter of Each Cable	8 Cables: Diameter of Each Cable	9 Cables: Diameter of Each Cable	Required Grip Diameter
1.57" to 1.95"	0.30" to 0.38"	0.25" to 0.31"	0.22" to 0.27"	0.19" to 0.24"	0.17" to 0.22"	0.15" to 0.19"	0.14" to 0.18"	**0.50" to 0.61"**
1.95" to 2.36"	0.38" to 0.44"	0.31" to 0.36"	0.27" to 0.31"	0.24" to 0.29"	0.22" to 0.26"	0.19" to 0.23"	0.18" to 0.21"	**0.62" to 0.74"**
2.36" to 3.14"	0.44" to 0.59"	0.36" to 0.49"	0.31" to 0.42"	0.29" to 0.38"	0.26" to 0.34"	0.23" to 0.31"	0.21" to 0.28"	**0.75" to 0.99"**
3.14" to 3.93"	0.59" to 0.75"	0.49" to 0.63"	0.42" to 0.54"	0.38" to 0.48"	0.34" to 0.43"	0.31" to 0.39"	0.28" to 0.35"	**1.00" to 1.24"**
3.93" to 4.71"	0.75" to 0.90"	0.63" to 0.76"	0.54" to 0.65"	0.48" to 0.58"	0.43" to 0.52"	0.39" to 0.46"	0.35" to 0.42"	**1.25" to 1.49"**
4.71" to 5.50"	0.90" to 1.07"	0.76" to 0.89"	0.65" to 0.77"	0.58" to 0.67"	0.52" to 0.60"	0.46" to 0.54"	0.42" to 0.49"	**1.50" to 1.74"**
5.50" to 6.28"	1.07" to 1.22"	0.89" to 1.02"	0.77" to 0.88"	0.67" to 0.77"	0.60" to 0.69"	0.54" to 0.62"	0.49" to 0.56"	**1.75" to 1.99"**
6.28" to 7.85"	1.22" to 1.53"	1.02" to 1.28"	0.88" to 1.10"	0.77" to 0.96"	0.69" to 0.86"	0.62" to 0.77"	0.56" to 0.71"	**2.00" to 2.49"**
7.85" to 9.42"	1.53" to 1.83"	1.28" to 1.53"	1.10" to 1.32"	0.96" to 1.16"	0.86" to 1.03"	0.77" to 0.93"	0.71" to 0.85"	**2.50" to 2.99"**
9.42" to 11.00"	1.83" to 2.14"	1.53" to 1.79"	1.32" to 1.54"	1.16" to 1.35"	1.03" to 1.20"	0.93" to 1.08"	0.85" to 0.99"	**3.00" to 3.49"**
11.00" to 12.57"	2.14" to 2.44"	1.79" to 2.05"	1.54" to 1.76"	1.35" to 1.54"	1.20" to 1.37"	1.08" to 1.24"	0.99" to 1.13"	**3.50" to 3.99"**
12.57" to 14.14"	2.44" to 2.75"	2.05" to 2.30"	1.76" to 1.98"	1.54" to 1.74"	1.37" to 1.55"	1.24" to 1.39"	1.13" to 1.27"	**4.00" to 4.49"**
14.14" to 15.71"	2.75" to 3.06"	2.30" to 2.56"	1.98" to 2.20"	1.74" to 1.93"	1.55" to 1.72"	1.39" to 1.55"	1.27" to 1.41"	**4.50" to 4.99"**