

PULLING GRIPS



WOODHEAD® PULLING GRIPS ARE DESIGNED FOR OVERHEAD, UNDER-GROUND OR IN-PLANT WIRING APPLICATIONS AND SERVE AS REUSABLE TOOLS FOR PULLING INSULATED CONDUCTORS, BARE WIRES, CABLE, FIBER OPTIC CABLE AND NYLON AND WIRE ROPE

Woodhead Pulling Grips are available in a wide range of styles and are made of high-quality galvanized-steel wire. All styles feature a smooth, even, thin profile, making these grips easy-to-use, quick-to-install and reusable many times over.

FEATURES AND BENEFITS

Choose a flexible or rotating eye

Suitable for a broad range of applications

Available in light-duty through multi-weave, high-strength mesh versions

Provides a wide range of product options to meet specific application needs

Shoulder protectors furnished as standard

Ensures bumpless pulls and long-life operation

APPLICATIONS

- Electrical contractors
- Facility maintenance
- Utility companies

Pulling Grips Junior Duty Flexible Eye



Features and Benefits

- Flexible eye works in both generous and tight spaces
- Galvanized Steel mesh offers superior strength
- Shoulder protectors center the grip within a raceway and provide abrasion resistance
- Universally applied for single cable or wire bundles
- Available as tool kit with all sizes below

Reference Information

CSA File No.: LR32159



Physical

Mesh Material: Galvanized Steel mesh

Weave Type: Single weave mesh

Mesh Type: Closed mesh

Cable Diameter	Mesh Length	Approximate Break Strength*	Woodhead No.	Order No.
6.35–9.14mm (.25–.36")	0.127m (5.00")	1700 lb	35970	130095-0194
9.40–12.45mm (.37–.49")	0.178m (7.00")	1700 lb	35971	130095-0196
12.70–15.49mm (.50–.61")	0.203m (8.00")	1700 lb	35972	130095-0197
15.75–18.80mm (.62–.74")	0.254m (10.00")	2800 lb	35973	130095-0198
19.05–25.15mm (.75–.99")	0.254m (10.00")	4100 lb	35974	130095-0200
25.40–31.50mm (1.00–1.24")	0.305m (12.00")	4100 lb	35975	130095-0201

* To determine Workload Safety Factor, divide Approximate Break Strength by 5. See technical section for break strength.



Flexible Eye Kit

Woodhead No.	Order No.
35976	130095-0202

Contains 1 each of the following: 35970, 35971, 35972, 35973, 35974, 35975

Pulling Grips Light Duty Flexible Eye



Features and Benefits

- Flexible eye works in both generous and tight spaces
- Galvanized Steel mesh offers superior strength
- Shoulder protectors center the grip within a raceway and provide abrasion resistance
- Universally applied for single cable or wire bundles in commercial, industrial and underground applications

Reference Information

CSA File No.: LR32159



Physical

Mesh Material: Galvanized Steel mesh

Weave Type: Single weave mesh

Mesh Type: Closed mesh

Cable Diameter	Mesh Length	Approximate Break Strength*	Woodhead No.	Order No.
12.70–15.49mm (.50–.61")	0.324m (12.75")	3400 lb	35901	130095-0146
15.88–19.05mm (.63–.75")	0.356m (14.00")	4100 lb	35902	130095-0147
19.05–25.15mm (.75–.99")	0.275m (14.75")	4100 lb	35903	130095-0148
25.40–31.50mm (1.00–1.24")	0.419m (16.50")	5800 lb	35904	130095-0149
31.75–37.85mm (1.25–1.49")	0.432m (17.00")	5800 lb	35905	130095-0150
38.10–44.20mm (1.50–1.74")	0.508m (20.00")	7500 lb	35906	130095-0151
44.45–50.55mm (1.75–1.99")	0.597m (23.50")	10000 lb	35907	130095-0152
50.80–63.25mm (2.00–2.49")	0.584m (23.00")	10000 lb	35908	130095-0153
63.50–75.95mm (2.50–2.99")	0.603m (23.75")	13000 lb	35909	130095-0154

* To determine Workload Safety Factor, divide Approximate Break Strength by 5. See technical section for break strength.

Pulling Grips Medium Duty Flexible Eye

Features and Benefits

- Flexible eye works in both generous and tight spaces
- Galvanized Steel mesh offers superior strength
- Shoulder protectors center the grip within a raceway and provide abrasion resistance
- Wide application for medium duty overhead and underground pulling
- Available as tool kit with all sizes below

Reference Information

CSA File No.: LR32159



Physical

Mesh Material: Galvanized Steel mesh

Weave Type: Half single weave/half double weave mesh

Mesh Type: Closed mesh

Grips



Medium Duty, Short Length

Cable Diameter	Mesh Length	Approximate Break Strength*	Woodhead No.	Order No.
9.40–12.45mm (.37–.49")	0.305m (12.00")	2600 lb	35930	130095-0165
12.70–18.80mm (.50–.74")	0.356m (14.00")	3400 lb	35931	130095-0166
19.05–25.15mm (.75–.99")	0.457m (18.00")	5500 lb	35932	130095-0167
25.40–31.50mm (1.00–1.24")	0.559m (22.00")	8100 lb	35933	130095-0168
31.75–37.85mm (1.25–1.49")	0.610m (24.00")	8100 lb	35934	130095-0169
38.10–50.55mm (1.50–1.99")	0.660m (26.00")	8100 lb	35935	130095-0170

* To determine Workload Safety Factor, divide Approximate Break Strength by 5. See technical section for break strength.



Medium Duty Kit

Woodhead No.	Order No.
35937	130095-0171

Contains 1 each of the following: 35930, 35931, 35932, 35933, 35934, 35935

Pulling Grips Medium/Heavy Duty Flexible Eye



Features and Benefits

- Flexible eye works in both generous and tight spaces
- Galvanized Steel mesh offers superior strength
- Shoulder protectors center the grip within a raceway and provide abrasion resistance
- Wide application for medium to heavy duty applications, higher incoming service lines
- Broad grip strength available to match the needs of the required pull for short length, T-type, standard length, T-type and long length

Reference Information

CSA File No.: LR32159



Physical

Mesh Material: Galvanized Steel mesh

Weave Type: Half single weave/half double weave mesh

Mesh Type: Closed mesh

C

Grips

Short Length, T-Type

Cable Diameter	Mesh Length	Cable Eye Thickness	Approximate Break Strength*	Woodhead No.	Order No.
12.70–15.49mm (.50–.61")	0.533m (21.00")	5.537mm (.218")	4500 lb	35940	130095-0172
15.88–19.05mm (.63–.75")	0.610m (24.00")	6.350mm (.250")	5600 lb	35941	130095-0173
19.05–25.15mm (.75–.99")	0.610m (24.00")	6.350mm (.250")	6800 lb	35942	130095-0174
25.40–37.85mm (1.00–1.49")	0.610m (24.00")	7.925mm (.312")	9600 lb	35943	130095-0175
38.10–50.55mm (1.50–1.99")	0.610m (24.00")	11.100mm (.437")	16400 lb	35944	130095-0176
50.80–63.25mm (2.00–2.49")	0.610m (24.00")	11.100mm (.437")	18500 lb	35945	130095-0177
63.50–75.95mm (2.50–2.99")	0.610m (24.00")	12.700mm (.500")	24500 lb	35946	130095-0178
76.20–88.65mm (3.00–3.49")	0.610m (24.00")	12.700mm (.500")	24500 lb	35947	130095-0179
88.90–101.35mm (3.50–3.99")	0.660m (26.00")	15.875mm (.625")	31000 lb	35948	130095-0180

* To determine Workload Safety Factor, divide Approximate Break Strength by 5. See technical section for break strength.

Standard Length, T-Type

Cable Diameter	Mesh Length	Cable Eye Thickness	Approximate Break Strength*	Woodhead No.	Order No.
19.05–25.15mm (.75–.99")	0.914m (36.00")	6.350mm (.250")	6800 lb	35950	130095-0181
25.40–37.85mm (1.00–1.49")	0.914m (36.00")	7.925mm (.312")	9600 lb	35951	130095-0182
38.10–50.55mm (1.50–1.99")	0.914m (36.00")	11.100mm (.437")	16400 lb	35952	130095-0183
50.80–63.25mm (2.00–2.49")	0.914m (36.00")	11.100mm (.437")	18500 lb	35953	130095-0184
63.50–75.95mm (2.50–2.99")	0.914m (36.00")	12.700mm (.500")	24500 lb	35954	130095-0185
76.20–88.65mm (3.00–3.49")	0.914m (36.00")	12.700mm (.500")	24500 lb	35955	130095-0186
88.90–101.35mm (3.50–3.99")	1.016m (40.00")	15.875mm (.625")	31000 lb	35956	130095-0187

* To determine Workload Safety Factor, divide Approximate Break Strength by 5. See technical section for break strength.



Medium Duty, Standard Length T-Type Kit

Woodhead No.	Order No.
35980	130095-0203

Contains 1 each of the following: 35950, 35951, 35952, 35953

Medium Duty, Long Length

Cable Diameter	Mesh Length	Approximate Break Strength*	Woodhead No.	Order No.
19.05–25.15mm (.75–.99")	1.219m (48.00")	8100 lb	35960	130095-0188
25.40–37.85mm (1.00–1.49")	1.219m (48.00")	11600 lb	35961	130095-0189
38.10–50.55mm (1.50–1.99")	1.219m (48.00")	19400 lb	35962	130095-0190
50.80–63.25mm (2.00–2.49")	1.219m (48.00")	19400 lb	35963	130095-0191
63.50–75.95mm (2.50–2.99")	1.219m (48.00")	25900 lb	35964	130095-0192

* To determine Workload Safety Factor, divide Approximate Break Strength by 5. See technical section for break strength.

Pulling Grips Heavy Duty Rotating Eye

Grips



Features and Benefits

- Rotating eye can reduce rotational torque whenever pulling load is reduced
- Galvanized Steel mesh offers superior strength
- Forged Steel rotating eye will not bind when used with sheaves and blocks
- Shoulder protectors center the grip within a raceway and provide abrasion resistance
- Wide application for underground cables, communication and service lines
- Available as tool kit with all sizes below
- Wide length selection to meet the preference of the installer in short length K-type and standard length K-type

Reference Information

CSA File No.: LR32159



Physical

Mesh Material: Galvanized Steel mesh
Weave Type: Full double weave mesh
Mesh Type: Closed mesh

Short Length, K-Type

Cable Diameter	Mesh Length	Eye Diameter	Color Code	Approximate Break Strength*	Woodhead No.	Order No.
15.88–19.05mm (.625–.75")	0.279m (11.00")	22.225mm (.875")	Dark Green	6800 lb	35851	130095-0123
19.05–25.15mm (.750–.99")	0.508m (20.00")	25.400mm (1.000")	Brown	9600 lb	35867	130095-0126
25.40–31.50mm (1.000–1.24")	0.508m (20.00")	34.925mm (1.375")	Light Blue	16400 lb	35868	130095-0127
31.75–37.85mm (1.250–1.49")	0.533m (21.00")	34.925mm (1.375")	Gold	16400 lb	35869	130095-0128
38.10–50.55mm (1.500–1.99")	0.635m (25.00")	41.275mm (1.625")	Black	27200 lb	35870	130095-0129
50.80–63.25mm (2.000–2.49")	0.660m (26.00")	47.625mm (1.875")	Red	33000 lb	35871	130095-0130
63.50–75.95mm (2.500–2.99")	0.711m (28.00")	47.625mm (1.875")	Dark Blue	41000 lb	35872	130095-0131
76.20–88.65mm (3.000–3.49")	0.762m (30.00")	47.625mm (1.875")	Yellow	48000 lb	35873	130095-0132
88.90–101.35mm (3.500–3.99")	0.813m (32.00")	47.625mm (1.875")	Orange	48000 lb	35874	130095-0133
101.60–114.05mm (4.000–4.49")	0.838m (33.00")	47.625mm (1.875")	Aluminum	48000 lb	35875	130095-0134

* To determine Workload Safety Factor, divide Approximate Break Strength by 5. See technical section for break strength.

Standard Length, K-Type

Cable Diameter	Mesh Length	Eye Diameter	Approximate Break Strength*	Woodhead No.	Order No.
12.70–15.49mm (.50–.61")	0.406m (16.00")	22.225mm (.875")	5600 lb	35865	130095-0124
15.88–19.05mm (.63–.75")	0.406m (16.00")	22.225mm (.875")	6800 lb	35866	130095-0125
19.05–25.15mm (.75–.99")	0.813m (32.00")	25.400mm (1.000")	9600 lb	35880	130095-0135
25.40–37.85mm (1.00–1.49")	0.838m (33.00")	34.925mm (1.375")	16400 lb	35881	130095-0136
38.10–50.55mm (1.50–1.99")	0.864m (34.00")	34.925mm (1.375")	16400 lb	35882	130095-0137
50.80–63.25mm (2.00–2.49")	0.914m (36.00")	41.275mm (1.625")	27200 lb	35883	130095-0138
63.50–75.95mm (2.50–2.99")	0.965m (38.00")	47.625mm (1.875")	33000 lb	35884	130095-0139
76.20–88.65mm (3.00–3.49")	0.991m (39.00")	47.625mm (1.875")	41000 lb	35885	130095-0140
88.90–101.35mm (3.50–3.99")	1.041m (41.00")	47.625mm (1.875")	48000 lb	35886	130095-0141
101.60–114.05mm (4.00–4.49")	1.067m (42.00")	47.625mm (1.875")	48000 lb	35887	130095-0142
114.30–126.75mm (4.50–4.99")	1.473m (58.00")	47.625mm (1.875")	48000 lb	38897	130095-0143
127.00–152.15mm (5.00–5.99")	1.524m (60.00")	47.625mm (1.875")	48000 lb	35898	130095-0144
152.40–177.55mm (6.00–6.99")	1.676m (66.00")	47.625mm (1.875")	48000 lb	35899	130095-0145

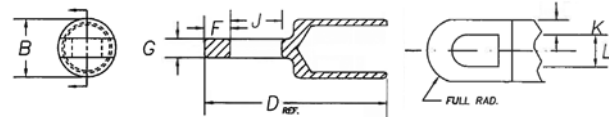
* To determine Workload Safety Factor, divide Approximate Break Strength by 5. See technical section for break strength.



Rotating Eye Kit

Woodhead No.	Order No.
36010	130095-0205

Includes 1 each of: 35880, 35881, 35882, 35883



Rotating Eye Diameter

B Eye Diameter	D Full Length	F Leading Eye Length	G Leading Eye Thickness	J Opening Length (at center line)	K Eye Sidewall Thickness	L Opening Width
22.225mm (.875")	2.750mm (.108")	.250mm (.010")	.281mm (.011")	.875mm (.034")	.187mm (.007")	.500mm (.020")
25.400mm (1.000")	3.625mm (.143")	.312mm (.012")	.500mm (.020")	.906mm (.036")	.219mm (.009")	.562mm (.022")
34.925mm (1.375")	4.625mm (.182")	.375mm (.015")	.500mm (.020")	1.000mm (.039")	.344mm (.014")	.687mm (.027")
41.275mm (1.625")	5.437mm (.214")	.500mm (.020")	.625mm (.025")	1.187mm (.047")	.375mm (.015")	.875mm (.034")
47.625mm (1.875")	6.250mm (.246")	.500mm (.020")	.656mm (.026")	1.375mm (.054")	.437mm (.017")	1.000mm (.039")

Pulling Grips Multi-Weave Flexible Eye or Rotating Eye



Features and Benefits

- Galvanized Steel mesh offers superior strength
- Shoulder protectors center the grip within a raceway and provide abrasion resistance
- Color-coded for easy identification
- Wide application for bare or insulated conductors, wire rope and insulated cables for distribution line stringing and overhead transmission
- Flexible eye works in both generous and tight spaces
- Forged Steel rotating eye can reduce rotational torque whenever pulling load is reduced
- Forged Steel rotating eye will not bind when used with sheaves and blocks

Reference Information

CSA File No.: LR32159



Physical

Mesh Material: Galvanized Steel mesh

Weave Type:

Leading—One-third mesh triple weave

Mid—One-third double weave mesh

Trailing—One-third single weave mesh

Mesh Type: Closed mesh

Flexible Eye

Cable Diameter	Mesh Length	Eye Cable Thickness	Color Code	Approximate Break Strength*	Woodhead No.	Order No.
6.35–12.45mm (.25–.49")	0.66m (26.00")	6.350mm (.250")	Dark Green	6800 lb	36640	130095-0288
12.70–18.80mm (.50–.74")	0.813m (32.00")	7.925mm (.312")	Brown	10000 lb	36641	130095-0289
19.05–25.15mm (.75–.99")	1.041m (41.00")	9.525mm (.375")	Light Blue	14400 lb	36642	130095-0290
25.40–31.50mm (1.00–1.24")	1.321m (52.00")	12.700mm (.500")	Gold	26600 lb	36643	130095-0291
31.75–37.85mm (1.25–1.49")	1.422m (56.00")	12.700mm (.500")	Black	30600 lb	36644	130095-0292
38.10–44.20mm (1.50–1.74")	1.524m (60.00")	12.700mm (.500")	Red	30600 lb	36645	130095-0293
44.45–56.90mm (1.75–2.24")	1.778m (70.00")	15.875mm (.625")	Dark Blue	48000 lb	36646	130095-0294
50.80–63.25mm (2.00–2.49")	1.27m (50.00")	15.875mm (.625")	Yellow	48000 lb	36647	130095-0295

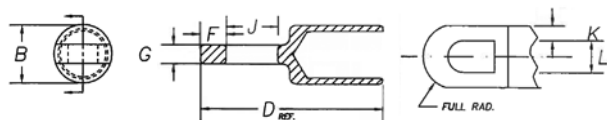
* To determine Workload Safety Factor, divide Approximate Break Strength by 5. See technical section for break strength.



Rotating Eye

Cable Diameter	Mesh Length	Eye Cable Thickness	Color Code	Approximate Break Strength*	Woodhead No.	Order No.
6.35–12.45mm (.25–.49")	0.66m (26.00")	22.225mm (.875")	Dark Green	6800 lb	36620	130095-0278
12.70–18.80mm (.50–.74")	0.81m (32.00")	25.400mm (1.000")	Brown	10000 lb	36621	130095-0279
19.05–25.15mm (.75–.99")	1.041m (41.00")	25.400mm (1.000")	Light Blue	14400 lb	36622	130095-0280
25.40–31.50mm (1.00–1.24")	1.321m (52.00")	34.925mm (1.375")	Gold	24600 lb	36623	130095-0281
31.75–37.85mm (1.25–1.49")	1.422m (56.00")	41.275mm (1.625")	Black	30600 lb	36624	130095-0282
38.10–44.20mm (1.50–1.74")	1.524m (60.00")	47.625mm (1.875")	Red	30600 lb	36625	130095-0283
44.45–56.90mm (1.75–2.24")	1.778m (70.00")	47.625mm (1.875")	Dark Blue	48000 lb	36626	130095-0284
50.80–63.25mm (2.00–2.49")	1.27m (50.00")	47.625mm (1.875")	Yellow	48000 lb	36627	130095-0285
63.50–75.95mm (2.50–2.99")	1.321m (52.00")	47.625mm (1.875")	Orange	48000 lb	36628	130095-0286
76.20–88.65mm (3.00–3.49")	1.372m (54.00")	47.625mm (1.875")	Aluminum	48000 lb	36629	130095-0287

* To determine Workload Safety Factor, divide Approximate Break Strength by 5. See technical section for break strength.



Rotating Eye Diameter

B Eye Diameter	D Full Length	F Leading Eye Length	G Leading Eye Thickness	J Opening Length (at center line)	K Eye Sidewall Thickness	L Opening Width
22.225mm (.875")	2.750mm (.108")	.250mm (.010")	.281mm (.011")	.875mm (.034")	.187mm (.007")	.500mm (.020")
25.400mm (1.000")	3.625mm (.143")	.312mm (.012")	.500mm (.020")	.906mm (.036")	.219mm (.009")	.562mm (.022")
34.925mm (1.375")	4.625mm (.182")	.375mm (.015")	.500mm (.020")	1.000mm (.039")	.344mm (.014")	.687mm (.027")
41.275mm (1.625")	5.437mm (.214")	.500mm (.020")	.625mm (.025")	1.187mm (.047")	.375mm (.015")	.875mm (.034")
47.625mm (1.875")	6.250mm (.246")	.500mm (.020")	.656mm (.026")	1.375mm (.054")	.437mm (.017")	1.000mm (.039")

Pulling Grips High Strength Flexible Eye



Features and Benefits

- Flexible eye works in both generous and tight spaces
- Galvanized, thick wire Steel mesh—highest strength pulling grip
- Shoulder protectors center the grip within a raceway and provide abrasion resistance
- Color-coded for easy identification
- Wide application for bare or insulated conductors, wire or synthetic rope

Reference Information

CSA File No.: LR32159



Physical

Mesh Material: Thick galvanized Steel mesh

Weave Type: Full double weave mesh

Mesh Type: Closed mesh

Cable Diameter	Mesh Length	Eye Cable Thickness	Color	Approximate Break Strength*	Woodhead No.	Order No.
4.83–9.40mm (.19–.37")	0.61m (24.00")	5.563mm (.219")	Black	6500 lb	36610	130095-0272
9.65–15.75mm (.38–.62")	0.66m (26.00")	9.525mm (.375")	Dark Green	14400 lb	36611	130095-0273
16.00–22.10mm (.63–.87")	1.219m (48.00")	11.125mm (.438")	Red	20000 lb	36612	130095-0274
22.35–28.45mm (.88–1.12")	1.524m (60.00")	12.700mm (.500")	Dark Blue	30600 lb	36613	130095-0275
28.70–34.80mm (1.13–1.37")	1.930m (76.00")	15.875mm (.625")	Yellow	46800 lb	36614	130095-0276
35.05–48.26mm (1.38–1.90")	2.261m (89.00")	19.050mm (.750")	Aluminum	66500 lb	36615	130095-0277

* To determine Workload Safety Factor, divide Approximate Break Strength by 5. See technical section for break strength.

Pulling Grips Medium Duty Slack/Offset Eye



Features and Benefits

- Flexible offset eye allows for easy attachment to the pulling line
- Galvanized Steel mesh offers superior strength
- Open mesh, split rod attached mid-cable to pull slack for final cable placement or remove cable

Reference Information

CSA File No.: LR32159



Physical

Mesh Material: Galvanized Steel mesh

Weave Type: Single weave mesh

Mesh Type: Open mesh, split rod

Single Weave, Standard Length, Split Rod

Cable Diameter	Mesh Length	Approximate Break Strength*	Woodhead No.	Order No.
12.70–15.49mm (.50–.61")	0.178m (7.00")	1800 lb	36140	130095-0253
15.88–19.05mm (.63–.75")	0.229m (9.00")	1900 lb	36141	130095-0255
19.05–25.15mm (.75–.99")	0.279m (11.00")	3000 lb	36142	130095-0256
25.40–31.50mm (1.00–1.24")	0.305m (12.00")	4100 lb	36143	130095-0257
31.75–37.85mm (1.25–1.49")	0.356m (14.00")	5700 lb	36144	130095-0258
38.10–44.20mm (1.50–1.74")	0.406m (16.00")	5800 lb	36145	130095-0259
44.45–50.55mm (1.75–1.99")	0.432m (17.00")	7700 lb	36146	130095-0260
50.80–63.25mm (2.00–2.49")	0.508m (20.00")	9300 lb	36147	130095-0261
63.50–75.95mm (2.50–2.99")	0.533m (21.00")	11300 lb	36148	130095-0262
76.20–88.65mm (3.00–3.49")	0.559m (22.00")	15100 lb	36149	130095-0263

* To determine Workload Safety Factor, divide Approximate Break Strength by 5. See technical section for break strength.

Pulling Grips Heavy Duty Slack/Offset Eye



Features and Benefits

- Flexible offset eye allows for easy attachment to the pulling line
- Galvanized Steel mesh provides strength
- Full double weave mesh offers very high strength
- Wide application to pull slack for final cable placement or to remove cable; typically for underground cable

Reference Information

CSA File No.: LR32159



Physical

Mesh Material: Galvanized Steel mesh

Weave Type: Full double weave mesh

Mesh Types: Closed mesh/open mesh, split lace

Double Weave, Standard Length, Closed Mesh

Cable Diameter	Mesh Length	Approximate Break Strength*	Woodhead No.	Order No.
19.05–25.15mm (.75–.99")	0.330m (13.00")	3000 lb	36101	130095-0225
25.40–31.50mm (1.00–1.24")	0.406m (16.00")	4200 lb	36102	130095-0227
31.75–37.85mm (1.25–1.49")	0.432m (17.00")	5500 lb	36103	130095-0229
38.10–44.20mm (1.50–1.74")	0.457m (18.00")	7400 lb	36104	130095-0230
44.45–50.55mm (1.75–1.99")	0.483m (19.00")	11000 lb	36105	130095-0231
50.80–63.25mm (2.00–2.49")	0.508m (20.00")	11000 lb	36106	130095-0232
63.50–75.95mm (2.50–2.99")	0.533m (21.00")	11000 lb	36107	130095-0233

* To determine Workload Safety Factor, divide Approximate Break Strength by 5. See technical section for break strength.



Double Weave, Standard Length, Split Lace

Cable Diameter	Mesh Length	Approximate Break Strength*	Woodhead No.	Order No.
19.05–25.15mm (.75–.99")	0.330m (13.00")	3000 lb	36120	130095-0240
25.40–31.50mm (1.00–1.24")	0.406m (16.00")	4100 lb	36121	130095-0241
31.75–37.85mm (1.25–1.49")	0.432m (17.00")	4100 lb	36122	130095-0242
38.10–44.20mm (1.50–1.74")	0.457m (18.00")	5500 lb	36123	130095-0243
44.45–50.55mm (1.75–1.99")	0.483m (19.00")	7300 lb	36124	130095-0244
50.80–63.25mm (2.00–2.49")	0.508m (20.00")	7300 lb	36125	130095-0245
63.50–75.95mm (2.50–2.99")	0.533m (21.00")	7300 lb	36126	130095-0246
76.20–88.65mm (3.00–3.49")	0.559m (22.00")	9200 lb	36127	130095-0247
88.90–101.35mm (3.50–3.99")	0.584m (23.00")	11000 lb	36128	130095-0248

* To determine Workload Safety Factor, divide Approximate Break Strength by 5. See technical section for break strength.

Support Grips Fiber Optic Single Eye

Features and Benefits

- Single eye/bale is universally applied and most common for fiber optic cable
- Tinned-Bronze wire mesh provides corrosion resistance
- Top-mounted reinforced eye protector provides stable and longer-life support
- Closed mesh provides permanent support when cable end is available
- Split rod provides support for mid-cable placement

Reference Information

CSA File No.: LR32159



Physical

Mesh Material: Tinned-Bronze wire mesh

Mesh Type: Closed or split rod



Fiber Optic, Closed Mesh, Single Eye

Cable Diameter	Bale Length	Mesh Length	Approximate Break Strength*	Woodhead No.	Order No.
4.57–6.35mm (.18–.25")	0.076m (3.00")	0.043m (1.70")	300 lb	36670	130094-0522
5.59–8.13mm (.22–.32")	0.076m (3.00")	0.064m (2.50")	300 lb	36671	130094-0523
7.62–9.91mm (.30–.39")	0.102m (4.00")	0.064m (2.50")	300 lb	36672	130094-0524
9.40–12.19mm (.37–.48")	0.127m (5.00")	0.102m (4.00")	300 lb	36673	130094-0525
11.68–14.73mm (.46–.58")	0.152m (6.00")	0.102m (4.00")	400 lb	36674	130094-0526
14.22–18.03mm (.56–.71")	0.178m (7.00")	0.140m (5.50")	500 lb	36675	130094-0527
17.53–22.35mm (.69–.88")	0.203m (8.00")	0.152m (6.00")	800 lb	36676	130094-0528

* To determine Workload Safety Factor, divide Approximate Break Strength by 10. See technical section for break strength.



Fier Optic, Split Rod, Single Eye

Cable Diameter	Bale Length	Mesh Length	Approximate Break Strength*	Woodhead No.	Order No.
4.75–6.35mm (.19–.25")	0.076m (3.00")	0.064m (2.50")	300 lb	36680	130094-0529
5.84–8.13mm (.23–.32")	0.076m (3.00")	0.064m (2.50")	300 lb	36681	130094-0530
7.62–9.91mm (.30–.39")	0.229m (9.00")	0.064m (2.50")	300 lb	36682	130094-0531
9.53–11.10mm (.38–.44")	0.102m (4.00")	0.064m (2.50")	300 lb	36683	130094-0532
11.68–14.73mm (.46–.58")	0.152m (6.00")	0.102m (4.00")	400 lb	36684	130094-0533
14.22–18.03mm (.56–.71")	0.178m (7.00")	0.140m (5.50")	600 lb	36685	130094-0534
17.53–22.35mm (.690–.880")	0.203m (8.00")	0.152m (6.00")	800 lb	36686	130094-0535

* To determine Workload Safety Factor, divide Approximate Break Strength by 10. See technical section for break strength.
For Stainless Steel Support Grips, add "SS" to the part number. For example, 35425 becomes 35422SS.

Pulling Grips Fiber Optic Rotating Eye

Features and Benefits

- Flexible eye works in both generous and tight spaces
- Galvanized Steel mesh offers superior strength
- Rotating eye can reduce rotational torque whenever pulling load is reduced
- Single/double weave offers high strength
- Zinc-plated Steel nose guides easily and protects cable end
- Very flexible mesh holds multiple cables or one single cable

Reference Information

CSA File No.: LR32159



Physical

Mesh Material: Galvanized Steel mesh

Weave Type: Single/double weave mesh

Mesh Type: Closed mesh

Grip Body Construction: Nose of Zinc-plated Steel in front of Aluminum body



Cable Diameter	Bale Length	Mesh Length	Approximate Break Strength*	Nose Diameter	Woodhead No.	Order No.
5.33–8.89mm (.21–.35")	0.120m (4.75")	0.356m (14")	1500 lb	20.32mm (0.8")	36661	130095-0297
8.89–12.19mm (.32–.48")	0.127m (5.00")	0.457m (18")	2200 lb	22.86mm (0.9")	36662	130095-0298
10.67–15.49mm (.42–.61")	0.127m (5.00")	0.533m (21")	2800 lb	22.86mm (0.9")	36663	130095-0299
13.46–18.80mm (.53–.74")	0.127m (5.00")	0.610m (24")	3300 lb	30.48mm (1.2")	36664	130095-0300

* To determine Workload Safety Factor, divide Approximate Break Strength by 5. See technical section for break strength.

Technical Information

Strain Relief Grips

Operating Temperatures

Material	Temperature Range
Aluminum	-40° C to +149° C (-40° F to +300° F)
Aluminum deluxe cord grips	-34° C to +115° C (-30° F to +240° F)
Non-metallic deluxe cord grips	-34° C to +107° C (-30° F to +225° F)
Nylon	-40° C to +107° C (-40° F to +225° F)
Nylon fitting with Stainless Steel mesh	-40° C to +107° C (-40° F to +225° F)
Stainless Steel	-51° C to +537° C (-60° F to +1000° F)
Stainless Steel deluxe cord grips	-34° C to +115° C (-30° F to +240° F)
Rubber (bushings)	-40° C to +350° C (-40° F to +662° F)

Flammability Rating for Non-Metallic MAX-LOC™ Grips

Component	Rating	Note
Wire mesh grip	94HB*	Non-metallic deluxe cord grips will not support combustion
Fitting	94V-2†	

* A test method used by UL to determine a rate of burning and/or extent and time of burning of self-supporting plastics in a horizontal position (ASTM D 635-88, IEC 707-1981, ISO/DIS 1210.2).

† A test method used by UL for measuring the comparative extinguishing characteristics of solid plastics in a vertical position (IEC 707-1981, ISO/DIS 1210.2).

Knockout Holes

NPT Hub Size	Knockout Hole Recommended
¼"	1.37 to 1.45cm (.540 to .570")
⅜"	1.70 to 1.78cm (.671 to .701")
½"	2.18 to 2.30cm (.859 to .906")
¾"	2.78 to 2.90cm (1.094 to 1.141")
1"	3.45 to 3.57cm (1.359 to 1.406")
1¼"	4.37 to 4.49cm (1.719 to 1.766")
1½"	5.00 to 5.12cm (1.969 to 2.016")
2"	6.23 to 6.35cm (2.453 to 2.500")
2½"	7.50 to 7.62cm (2.953 to 3.000")
3"	9.09 to 9.21cm (3.578 to 3.625")

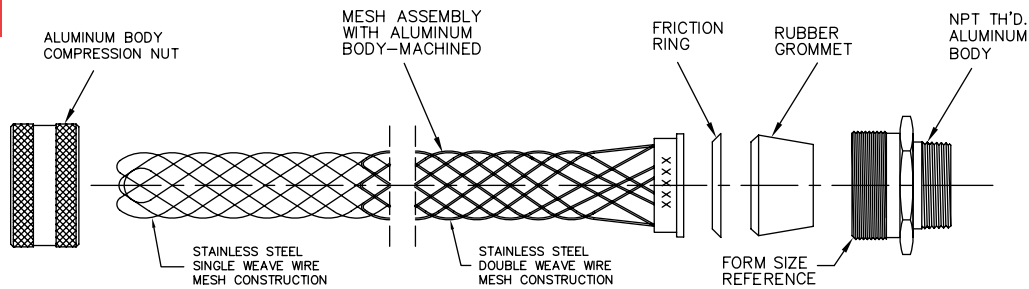
Technical Information

Deluxe Cord Grip

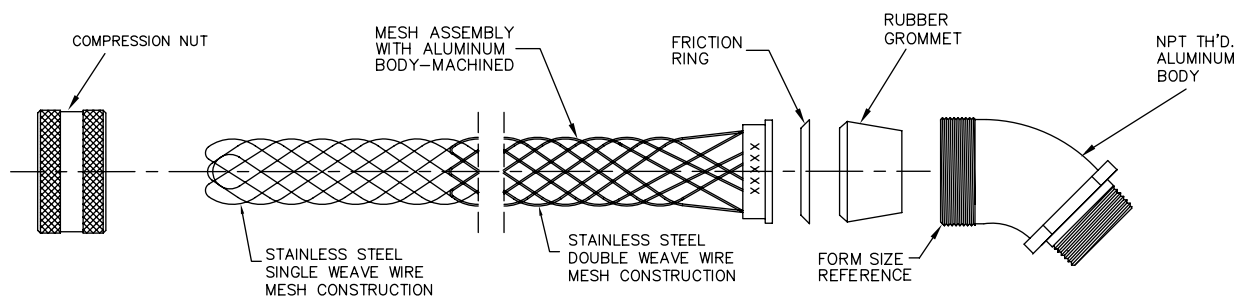
Component Detail

Grips

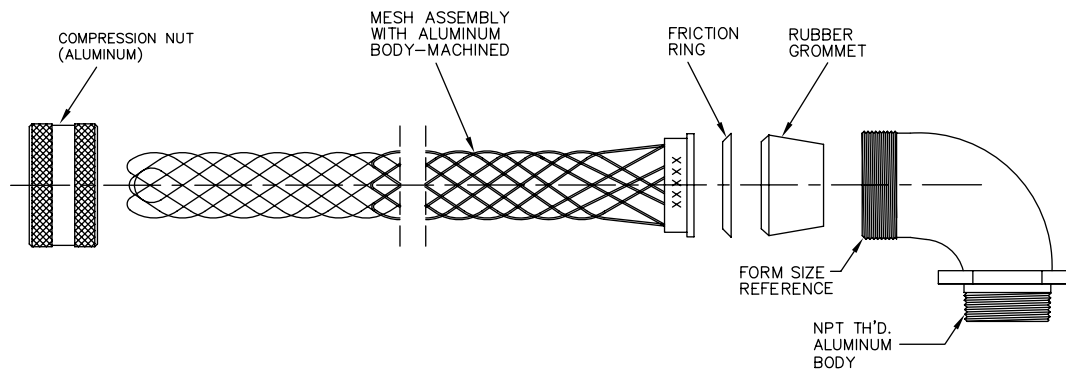
Straight Male



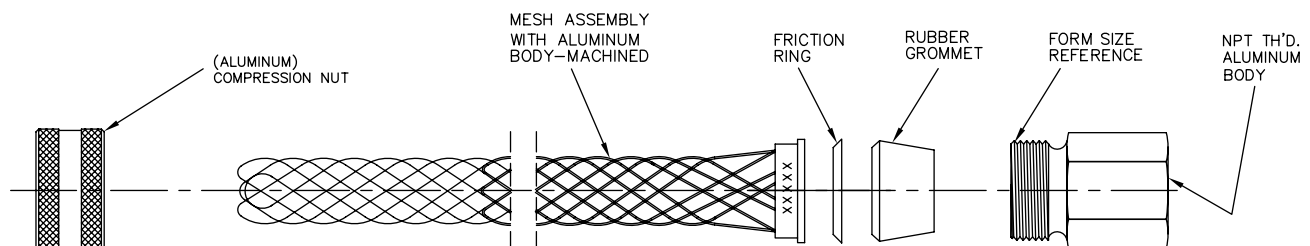
45° Male



Right Angle Male



Straight Female

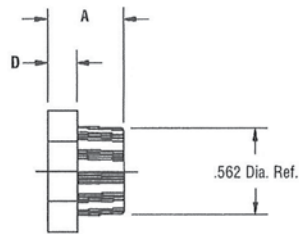


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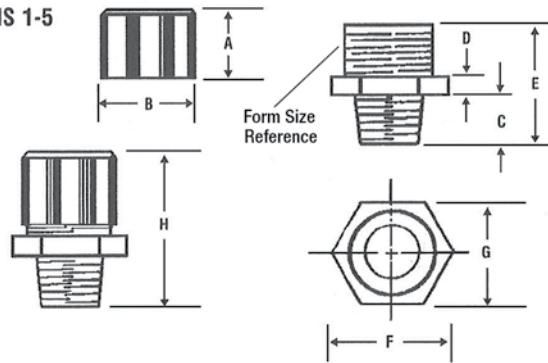
MAX-LOC® Cable Grips

Non-Metallic Dimensions

FORM 0

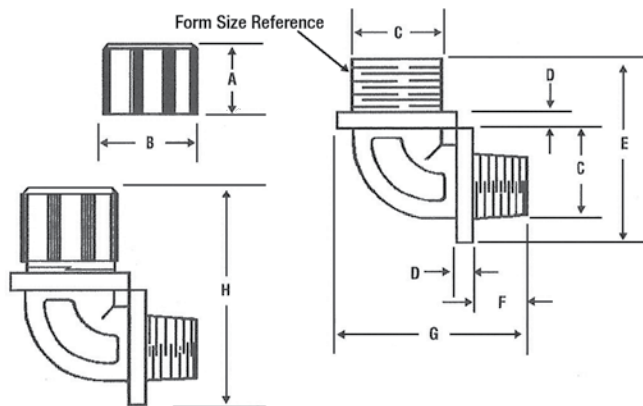


FORMS 1-5



MAX-LOC Non-Metallic Dimensions—Straight Bodies

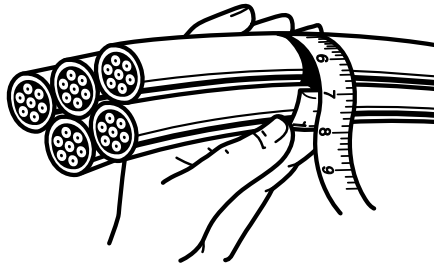
Form	NPT	Diagram References in Inches							
		A	B	C	D	E	F	G	H (Ref.)
0	¼"	.500	.778	.370	.187	.921	.778	.687	1.25
1	⅜"	1.000	1.150	.500	.250	1.250	1.115	1.000	1.85
2	½"	1.000	1.300	.500	.300	1.450	1.250	1.100	2.00
3	¾"	1.000	1.500	.550	.375	1.700	1.578	1.375	2.00
4	1"	1.000	1.850	.687	.375	1.800	1.900	1.650	2.12
5	1¼"	1.000	2.050	.687	.375	1.800	2.100	1.850	2.12



MAX-LOC Non-Metallic Dimensions—Right Angle Bodies

Form	NPT	Diagram References in Inches							
		A	B	C	D	E	F	G	H (Ref.)
1	⅜"	1.000	1.150	1.100	.187	1.812	.450	1.687	2.35
2	½"	1.000	1.300	1.165	.187	1.900	.578	1.820	2.40
3	¾"	1.000	1.500	1.600	.187	2.421	.593	2.218	2.75
4	1"	1.000	1.850	1.850	.187	2.656	.800	2.700	3.00
5	1¼"	1.000	2.050	1.965	.187	2.859	.750	2.812	3.25

Technical Information Cable Grips



Selecting Properly Sized Pulling and Support Grips

- Select grip size based upon the outside diameter or circumference of the cable(s)
- See the following reference tables for convenience in determining cable diameters
- Use the following grip selection tables to determine the grip diameter range for your application

Grip Selection for 1 or More Cables of Equal Diameter

1. Read across top line for number of cables in 1 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 to 0.48").
3. Read across line to grip diameter range (1.00 to 1.25").

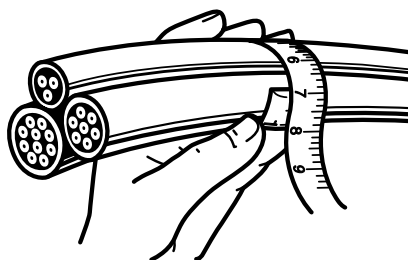
Decimal and Fractional Inch Cable Diameters for 1 or More Cables of Equal Diameter

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

5 Cables	6 and 7 Cables	8 Cables	9 Cables	Grip Diameter Range
0.11 to 0.14 = $\frac{1}{64}$ to $\frac{1}{4}$	0.10 to 0.11 = $\frac{3}{32}$ to $\frac{1}{64}$	0.09 to 0.10 = $\frac{3}{32}$ to $\frac{1}{64}$	0.06 to 0.09 = $\frac{1}{16}$ to $\frac{3}{32}$	0.25 to 0.375
0.14 to 0.21 = $\frac{1}{4}$ to $\frac{1}{2}$	0.11 to 0.25 = $\frac{1}{64}$ to $\frac{1}{4}$	0.10 to 0.20 = $\frac{1}{64}$ to $\frac{1}{8}$	0.09 to 0.19 = $\frac{3}{32}$ to $\frac{3}{16}$	0.375 to 0.50
0.21 to 0.25 = $\frac{1}{2}$ to $\frac{1}{4}$	0.19 to 0.22 = $\frac{3}{16}$ to $\frac{1}{2}$	0.17 to 0.20 = $\frac{11}{64}$ to $\frac{13}{64}$	0.15 to 0.19 = $\frac{3}{32}$ to $\frac{3}{16}$	0.50 to 0.62
0.25 to 0.29 = $\frac{1}{4}$ to $\frac{15}{64}$	0.22 to 0.26 = $\frac{7}{32}$ to $\frac{17}{64}$	0.20 to 0.23 = $\frac{13}{64}$ to $\frac{15}{64}$	0.19 to 0.22 = $\frac{3}{16}$ to $\frac{1}{2}$	0.62 to 0.75
0.29 to 0.38 = $\frac{15}{64}$ to $\frac{3}{8}$	0.26 to 0.34 = $\frac{17}{64}$ to $\frac{11}{32}$	0.23 to 0.31 = $\frac{15}{64}$ to $\frac{3}{16}$	0.22 to 0.31 = $\frac{1}{2}$ to $\frac{3}{16}$	0.75 to 1.00
0.38 to 0.48 = $\frac{3}{8}$ to $\frac{23}{64}$	0.34 to 0.43 = $\frac{11}{32}$ to $\frac{7}{16}$	0.31 to 0.39 = $\frac{3}{16}$ to $\frac{25}{64}$	0.29 to 0.36 = $\frac{19}{64}$ to $\frac{23}{64}$	1.00 to 1.25
0.48 to 0.58 = $\frac{23}{64}$ to $\frac{49}{64}$	0.43 to 0.52 = $\frac{7}{16}$ to $\frac{29}{64}$	0.39 to 0.46 = $\frac{25}{64}$ to $\frac{13}{32}$	0.36 to 0.43 = $\frac{23}{64}$ to $\frac{7}{16}$	1.25 to 1.50
0.58 to 0.67 = $\frac{39}{64}$ to $\frac{43}{64}$	0.52 to 0.60 = $\frac{33}{64}$ to $\frac{39}{64}$	0.46 to 0.54 = $\frac{15}{32}$ to $\frac{35}{64}$	0.43 to 0.49 = $\frac{7}{16}$ to $\frac{31}{64}$	1.50 to 1.75
0.67 to 0.77 = $\frac{49}{64}$ to $\frac{49}{64}$	0.60 to 0.69 = $\frac{39}{64}$ to $\frac{11}{16}$	0.54 to 0.62 = $\frac{35}{64}$ to $\frac{3}{8}$	0.49 to 0.57 = $\frac{31}{64}$ to $\frac{37}{64}$	1.75 to 2.00
0.77 to 0.96 = $\frac{49}{64}$ to $\frac{31}{32}$	0.69 to 0.86 = $\frac{11}{16}$ to $\frac{55}{64}$	0.62 to 0.77 = $\frac{3}{8}$ to $\frac{49}{64}$	0.57 to 0.72 = $\frac{37}{64}$ to $\frac{23}{32}$	2.00 to 2.50
0.96 to 1.16 = $\frac{31}{32}$ to 1 $\frac{1}{2}$	0.86 to 1.03 = $\frac{55}{64}$ to 1 $\frac{1}{2}$	0.77 to 0.93 = $\frac{49}{64}$ to $\frac{15}{16}$	0.72 to 0.86 = $\frac{23}{32}$ to $\frac{55}{64}$	2.50 to 3.00
1.16 to 1.35 = 1 $\frac{1}{2}$ to 1 $\frac{23}{64}$	1.03 to 1.20 = 1 $\frac{1}{2}$ to 1 $\frac{13}{8}$	0.93 to 1.08 = $\frac{15}{16}$ to 1 $\frac{1}{8}$	0.86 to 1.00 = $\frac{55}{64}$ to 1	3.00 to 3.50
1.35 to 1.54 = 1 $\frac{23}{64}$ to 1 $\frac{35}{64}$	1.20 to 1.37 = 1 $\frac{13}{8}$ to 1 $\frac{3}{8}$	1.08 to 1.24 = 1 $\frac{1}{8}$ to 1 $\frac{13}{8}$	1.00 to 1.14 = 1 to 1 $\frac{1}{64}$	3.50 to 4.00

Technical Information

Cable Grips

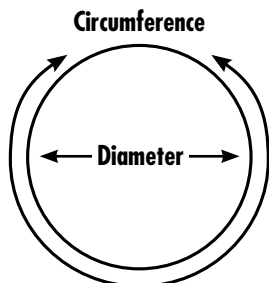


Selecting Properly Sized Pulling and Support Grips

- Grip circumference range refers to circumference of all cables held together.
- Determine grip circumference range by measuring circumference of bundle of cables to be held (as shown in illustration).
 - Read down to locate correct range.
 - Read across to grip diameter column.

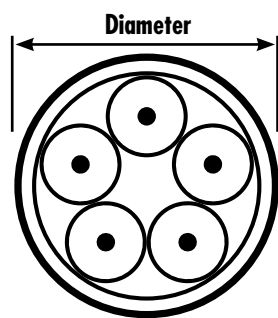
Example for Three Cables Together with Combined Circumference of 6.35"

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



Grip Circumference Range for Cables of Different Diameters

Grip Circumference Range (inches fractional)	Grip Circumference Range (inches decimal)	Grip Diameter Range
$\frac{25}{32}$ to $1\frac{1}{64}$ "	0.78 to 1.17"	0.25 to .375"
$1\frac{1}{64}$ to $1\frac{3}{64}$ "	1.17 to 1.57"	0.375 to 0.50"
$1\frac{3}{64}$ to $2\frac{1}{8}$ "	1.57 to 2.37"	0.50 to 0.75"
$1\frac{1}{2}$ to $2\frac{1}{8}$ "	1.94 to 2.37"	0.625 to 0.75"
$2\frac{1}{8}$ to $3\frac{1}{32}$ "	2.37 to 3.15"	0.75 to 1.00"
$3\frac{1}{32}$ to $3\frac{1}{8}$ "	3.15 to 3.94"	1.00 to 1.25"
$3\frac{1}{8}$ to $4\frac{3}{32}$ "	3.94 to 4.72"	1.25 to 1.50"
$4\frac{3}{32}$ to $5\frac{3}{64}$ "	4.72 to 5.51"	1.50 to 1.75"
$5\frac{3}{64}$ to $6\frac{1}{64}$ "	5.51 to 6.29"	1.75 to 2.00"
$6\frac{1}{64}$ to $7\frac{3}{64}$ "	6.29 to 7.86"	2.00 to 2.50"
$7\frac{3}{64}$ to $9\frac{1}{8}$ "	7.86 to 9.43"	2.50 to 3.00"
$9\frac{1}{8}$ to $11\frac{1}{64}$ "	9.43 to 11.01"	3.00 to 3.50"
$11\frac{1}{64}$ to $12\frac{27}{64}$ "	11.01 to 12.58"	3.50 to 4.00"



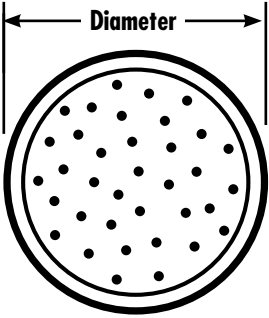
Cord Diameters Reference Table

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

AWG Wire Size and 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"
12 SO, STO	0.60"	0.62"	0.68"	0.74"
10 SO, STO	0.65"	0.69"	0.74"	0.80"
8 SO, STO	0.83"	0.88"	0.99"	1.08"
6 SO, STO	0.99"	1.04"	1.12"	1.25"

Technical Information

Pulling and Support Grips

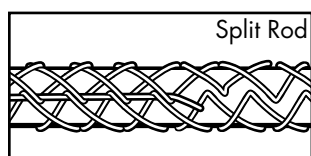
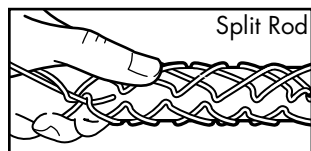
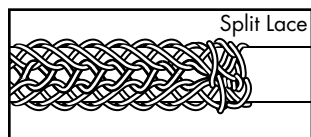
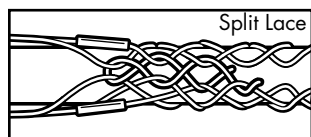


AWG or MCM Wire Sizes

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"

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

Technical Information Pulling and Support Grips



Strength Information

The approximate breaking strength of any Woodhead® wire mesh cable grip is based on working load information established by Molex Incorporated engineering laboratories. 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.

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. Woodhead maintains a Six Sigma safety factor for pulling grips and a Five 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 – $33,000 \div 5 = 6,600$ lb which is the workload factor.

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

All warranties concerning product quality or performance are based on wire mesh grips that are properly stored and handled by the user, and grips that are maintained and inspected at a proper frequency in keeping with their use and condition.

Split Lace/Split Rod Attachments (for use where end of cable is not accessible)

Beginning at the end of the grip closest to the bale fitting, thread the lacing through the first two loops of the split, pulling lace through until ends are centered evenly. Cross laces and thread through next two loops, and so on down the grip, being careful not to pull lacing too tight. Spacing of laced closure should be approximately the same as mesh weave. When end of grip is reached, twist lacing strands tightly together, wrap ends of lace around grip, and twist again to secure. Excess length may be cut off.

Split grips with rod closing are economical, since they are quickly installed, and are reusable. Simply wrap the grip around the cable and thread the rod through the loops, using a corkscrew motion. To remove, pull the rod out, and the grip is ready for re-use.

Grip Cable Range Conversion

Metric (mm)	Inches (fractional)	Inches (decimal)
6.35 to 9.13mm	$\frac{1}{4}$ to $\frac{3}{8}$ "	0.25 to 0.36"
9.52 to 12.30mm	$\frac{3}{8}$ to $\frac{1}{2}$ "	0.37 to 0.49"
12.70 to 15.48mm	$\frac{1}{2}$ to $\frac{3}{4}$ "	0.50 to 0.61"
15.88 to 18.65mm	$\frac{5}{8}$ to $\frac{1}{2}$ "	0.62 to 0.74"
19.05 to 25.00mm	$\frac{3}{4}$ to $\frac{1}{2}$ "	0.75 to 0.99"
25.40 to 31.35mm	1 to $1\frac{1}{8}$ "	1.00 to 1.24"
31.75 to 37.70mm	$1\frac{1}{4}$ to $1\frac{3}{8}$ "	1.25 to 1.49"
38.10 to 50.40mm	$1\frac{1}{2}$ to $1\frac{3}{4}$ "	1.50 to 1.99"
50.80 to 63.10mm	2 to $2\frac{1}{8}$ "	2.00 to 2.49"
63.50 to 75.80mm	$2\frac{1}{2}$ to $2\frac{3}{4}$ "	2.50 to 2.99"
76.20 to 88.50mm	3 to $3\frac{1}{4}$ "	3.00 to 3.49"
88.90 to 101.20mm	$3\frac{1}{2}$ to $3\frac{3}{4}$ "	3.50 to 3.99"

Technical Information

Junior Pulling Grips

Junior Pulling Grip Selection Chart

These charts are a general guide to assist in the selection of the correct Junior Pulling Grip for pulling various groupings of building wire. The following charts are to be used as a general guide for the application of Junior Pulling Grips. Note: "Dummy wires", short pieces, may be used to increase the bundle diameter if needed.

Grips

T.H.W.N., T.H.H.N. and X.H.H.W. Building Wire

Description	Cable Diameter Range	Approximate Breaking Strength	Approximate Number of Wires in One Grip										Woodhead No.	Order No.
			#14 19 Strand	#12 19 Strand	#10 19 Strand	#8 19 Strand	#6 19 Strand	#4 19 Strand	#3 19 Strand	#2 19 Strand	#1 37 Strand	#1/0 37 Strand		
J 25	.63–.91cm (.25–.36")	2002N (450 lb)	4 to 8	3 to 6	2 to 3	2	1	1	1				35970	130095-0194
J 37	.94–1.24cm (.37–.49")	4003N (900 lb)	9 to 16	6 to 11	4 to 6	3	2			1	1	1	35971	130095-0196
J 50	1.27–1.55cm (.50–.61")	5782N (1300 lb)	16 to 25	11 to 17	7 to 10	4 to 5	3 to 4	2	2				35972	130095-0197
J 62	1.57–1.88cm (.62–.74")	8674N (1950 lb)	26 to 37	18 to 25	11 to 14	6 to 8	5 to 6	3	3	2	2		35973	130095-0198
J 75	1.90–2.51cm (.75–.99")	12454N (2800 lb)	37 to 66	26 to 47	15 to 27	9 to 16	6 to 11	4 to 7	4 to 5	3 to 4	3	2 to 3	35974	130095-0200
J 100	2.54–3.15cm (1.00–1.24")	17347N (3900 lb)	66 to 104	47 to 74	28 to 43	16 to 24	11 to 17	8 to 10	6 to 8	5 to 7	4 to 5	4	35975	130095-0201

R.H.H., R.H., R.W. and R.H.W. Building Wire

Description	Cable Diameter Range	Approximate Breaking Strength	Approximate Number of Wires in One Grip										Woodhead No.	Order No.
			#14 7 Strand	#12 7 Strand	#10 7 Strand	#8 7 Strand	#6 7 Strand	#4 7 Strand	#2 7 Strand	#1 19 Strand	#1/0 19 Strand			
J 25	.63–.91cm (.25–.36")	2002N (450 lb)	2	2	1	1							35970	130095-0194
J 37	.94–1.24cm (.37–.49")	4003N (900 lb)	3	2 to 3	2		1	1	1				35971	130095-0196
J 50	1.27–1.55cm (.50–.61")	5782N (1300 lb)	4 to 5	4 to 5	3 to 4	2				1			35972	130095-0197
J 62	1.57–1.88cm (.62–.74")	8674N (1950 lb)	6 to 8	6 to 7	4 to 5	3	2	2			1		35973	130095-0198
J 75	1.90–2.51cm (.75–.99")	12454N (2800 lb)	9 to 16	8 to 14	6 to 10	4 to 6	3 to 4	3 to 4	2 to 3	2			35974	130095-0200
J 100	2.54–3.15cm (1.00–1.24")	17347N (3900 lb)	16 to 24	15 to 22	11 to 16	7 to 10	5 to 7	4 to 6	4	3	2 to 3		35975	130095-0201

T.H.W. Building Wire

Description	Cable Diameter Range	Approximate Breaking Strength	Approximate Number of Wires in One Grip										Woodhead No.	Order No.
			#14 7 Strand	#12 7 Strand	#10 7 Strand	#8 7 Strand	#6 7 Strand	#4 7 Strand	#2 7 Strand	#1 7 Strand	#1/0 19 Strand			
J 25	.63–.91cm (.25–.36")	2002N (450 lb)	2 to 4	2 to 3	2	1	1	1					35970	130095-0194
J 37	.94–1.24cm (.37–.49")	4003N (900 lb)	5 to 7	4 to 5	3 to 4	2			1				35971	130095-0196
J 50	1.27–1.55cm (.50–.61")	5782N (1300 lb)	8 to 11	6 to 8	5 to 7	3 to 4	2	2		1	1		35972	130095-0197
J 62	1.57–1.88cm (.62–.74")	8674N (1950 lb)	12 to 16	9 to 12	8 to 10	5 to 6	3 to 4	3	2				35973	130095-0198
J 75	1.90–2.51cm (.75–.99")	12454N (2800 lb)	17 to 30	13 to 24	11 to 19	7 to 10	5 to 7	4 to 5	3 to 4	2	2		35974	130095-0200
J 100	2.54–3.15cm (1.00–1.24")	17347N (3900 lb)	31 to 48	25 to 37	20 to 30	11 to 17	8 to 11	6 to 8	5 to 6	3 to 4	3		35975	130095-0201