

Pulling Grip Selection Guide

How to select correct pulling grip:

1. Select the type of grip needed.
2. Select the size of grip needed (see below).
3. Select a grip with maximum rated capacity that meets or exceeds the cable puller's maximum pulling force.

1. SELECT THE TYPE OF GRIP NEEDED.

GRIP TYPE	DESCRIPTION	TYPE OF EYE	SIZE RANGE DIA. INCHES (mm)	MAX. RATED CAPACITY – LBS. (kN)	USE TO PULL
Junior Grips	Single weave galvanized steel mesh	Flexible	.19-1.24 (4.8-31.5)	708 (3.5)	In conduit or tray – Building wire by hand.
Light Duty Grips	Single weave galvanized steel mesh	Flexible	.50-3.99 (12.7-101.3)	2940 (13.1)	In conduit or tray – Light-duty applications, short easy runs.
T-Type Grips	Double weave galvanized steel mesh	Flexible	.50-3.99 (12.7-101.3)	6200 (27.6)	In conduit or tray – Medium-duty applications
K-Type Grips	Double weave galvanized steel mesh	Rotating forged	.50-6.99 (12.7-177.5)	9600 (42.7)	In conduit or tray – Heavy-duty applications, long hard runs.
Multiple Strength Grips	Triple to double to single weave galvanized steel mesh	Rotating forged	.25-3.99 (6.4-101.3)	9600 (42.7)	Overhead transmission lines – Bare or insulated conductors, wire rope.
Slack Grips Rod Closing	Double weave galvanized steel mesh – rod closing – offset eye	Flexible	.50-3.99 (12.7-101.3)	2400 (10.7)	Where end of conductor is not available. Can be pulled straight only, rod will not flex.

2. SELECT THE SIZE OF GRIP NEEDED.

After determining the type of grip needed, measure the diameter of the cable being pulled. If pulling more than one cable "of the same diameter," refer to chart below for required grip diameter range. If pulling more than one cable "of different diameters," bundle cables together, measure the circumference

and refer to the chart on bottom of this page for required grip diameter range. Once the cable diameter or required grip diameter is determined, refer to individual chart for type of grip chosen to locate Catalog/UPC number.

CABLES WITH THE SAME DIAMETER IN ONE GRIP*

2 CABLES DIA. EACH IN./(mm)	3 CABLES DIA. EACH IN./(mm)	4 CABLES DIA. EACH IN./(mm)	5 CABLES DIA. EACH IN./(mm)	6 & 7 CABLES DIA. EACH IN./(mm)	8 CABLES DIA. EACH IN./(mm)	9 CABLES DIA. EACH IN./(mm)	REQUIRED GRIP DIAMETER IN./(mm)
.30-.38/(7.6-9.7)	.25-.31/(6.4-7.9)	.22-.27/(5.6-6.9)	.19-.24/(4.8-6.1)	.17-.22/(4.3-5.6)	.15-.19/(3.8-6.1)	.14-.18/(3.6-4.6)	.50-.61/(12.7-15.5)
.38-.44/(9.7-11.2)	.31-.36/(7.9-9.1)	.27-.31/(6.9-7.9)	.24-.29/(6.1-7.4)	.22-.26/(5.6-6.6)	.19-.23/(6.1-5.8)	.18-.21/(4.6-5.3)	.62-.74/(15.7-18.8)
.44-.59/(11.2-15.0)	.36-.49/(9.1-12.4)	.31-.42/(7.9-10.7)	.29-.38/(7.4-9.7)	.26-.34/(6.6-8.6)	.23-.31/(5.8-7.9)	.21-.28/(5.3-7.1)	.75-.99/(19.1-25.1)
.59-.75/(15.0-19.1)	.49-.63/(12.4-16.0)	.42-.54/(10.7-13.7)	.38-.48/(9.7-12.2)	.34-.43/(8.6-10.9)	.31-.39/(7.9-9.9)	.28-.35/(7.1-8.9)	1.00-1.24/(25.4-31.5)
.75-.90/(19.1-22.9)	.63-.76/(16.0-19.3)	.54-.65/(13.7-16.5)	.48-.58/(12.2-14.7)	.43-.52/(10.9-13.2)	.39-.46/(9.9-11.7)	.35-.42/(8.9-10.7)	1.25-1.49/(31.8-37.8)
.90-1.07/(22.9-27.2)	.76-.89/(19.3-22.6)	.65-.77/(16.5-19.6)	.58-.67/(14.7-17.0)	.52-.60/(13.2-15.2)	.46-.54/(11.7-13.7)	.42-.49/(10.7-12.4)	1.50-1.74/(38.1-44.2)
1.07-1.22/(27.2-31.0)	.89-1.02/(22.6-25.9)	.77-.88/(19.6-22.4)	.67-.77/(17.0-19.6)	.60-.69/(15.2-17.5)	.54-.62/(13.7-15.7)	.49-.56/(12.4-14.2)	1.75-1.99/(44.5-50.5)
1.22-1.53/(31.0-39.9)	1.02-1.28/(25.9-32.5)	.88-1.10/(22.4-27.9)	.77-.96/(19.6-24.2)	.69-.86/(17.5-21.8)	.62-.77/(15.7-19.6)	.56-.71/(14.2-18.0)	2.00-2.49/(50.8-63.2)
1.53-1.83/(38.9-46.5)	1.28-1.53/(32.5-38.9)	1.10-1.32/(27.9-33.5)	.96-1.16/(24.2-29.5)	.86-1.03/(21.8-26.2)	.77-.93/(19.6-23.6)	.71-.85/(18.0-21.6)	2.50-2.99/(63.5-75.9)
1.83-2.14/(46.5-54.4)	1.53-1.79/(38.9-45.5)	1.32-1.54/(33.5-39.1)	1.16-1.35/(29.5-34.3)	1.03-1.20/(26.2-30.5)	.93-1.08/(23.6-27.4)	.85-.99/(21.6-25.1)	3.00-3.49/(76.2-88.6)
2.14-2.44/(54.4-62.0)	1.79-2.05/(45.5-52.0)	1.54-1.76/(39.1-44.7)	1.35-1.54/(34.3-39.1)	1.20-1.37/(30.5-34.8)	1.08-1.24/(27.4-31.5)	.99-1.13/(25.1-28.7)	3.50-3.99/(88.9-101.3)
2.44-2.75/(62.0-69.9)	2.05-2.30/(52.0-58.4)	1.76-1.98/(44.7-50.3)	1.54-1.74/(39.1-44.2)	1.37-1.55/(34.8-39.4)	1.24-1.39/(31.5-35.3)	1.13-1.27/(28.7-32.3)	4.00-4.49/(101.6-114.0)
2.75-3.06/(69.9-77.7)	2.30-2.56/(58.4-65.0)	1.98-2.20/(50.3-55.9)	1.74-1.93/(44.2-49.0)	1.55-1.72/(39.4-43.7)	1.39-1.55/(35.3-39.4)	1.27-1.41/(32.3-35.8)	4.50-4.99/(114.3-126.7)

* Split grips require the next larger size.

MEASURE THE CIRCUMFERENCE OF THE WIRE BUNDLE

CIRCUMFERENCE RANGE		REQUIRED GRIP DIAMETER	
INCH	mm	INCH	mm
1.57- 1.95	39.9- 49.5	.50- .61	12.7- 15.5
1.95- 2.36	49.5- 59.9	.62- .74	15.8- 18.8
2.36- 3.14	59.9- 79.8	.75- .99	19.1- 25.1
3.14- 3.93	79.8- 99.8	1.00-1.24	25.4- 31.5
3.93- 4.71	99.8-119.6	1.25-1.49	31.8- 37.8
4.71- 5.50	119.6-139.7	1.50-1.74	38.1- 44.2
5.50- 6.28	139.7-159.5	1.75-1.99	44.5- 50.5
6.28- 7.85	159.5-199.4	2.00-2.49	50.8- 63.2
7.85- 9.42	199.4-239.3	2.50-2.99	63.5- 75.9
9.42-11.00	239.3-279.4	3.00-3.49	76.2- 88.6
11.00-12.57	279.4-319.3	3.50-3.99	88.9-101.3
12.57-14.14	319.3-359.2	4.00-4.49	101.6-114.0
14.14-15.71	359.2-399.0	4.50-4.99	114.3-126.7

R = REPLACEMENT PART A = ACCESSORY

NOTE: Rope is a very critical link in the cable pulling system. See page 155 for proper pulling rope selection.

Basket-Type Pulling Grip Sets



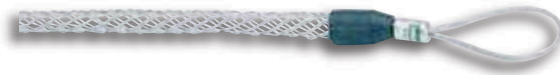
- Handy set gives you the size range you need.
- Have the correct grip on the job and save time.

CAT. NO.	UPC NO.	DESCRIPTION
30758	30758	Building Wire Junior Grip Set - diameter range .25" - 1.24" (6.4 - 31.5 mm). Consists of 30588, 30590, 30592, and 30594, 30584, 30586.
597	31482	T-Type Grip Set - diameter range .75" - 1.99" (19 - 50.5 mm). Consists of 30576, 30578, and 31010.
598	31483	T-Type Grip Set - diameter range 1.50" - 2.99" (38.1 - 75.9 mm). Consists of 31010, 30580 and 31012.
599	31484	T-Type Grip Set - diameter range .75" - 2.99" (19 - 75.9 mm). Consists of 30576, 30578, 31010, 30580 and 31012.

SPECIFICATIONS

Capacity	30758 - (2) #14 to 4-1/0, .25" - 1.24" (6.4 - 31.5 mm) diameter 597 - 3-1/0 to 250 MCM, .75" - 1.99" (1.9 - 50.5 mm) diameter 598 - 3-350 MCM to 3-750 MCM, 1.50" - 2.99" (38.1 - 75.9 mm) diameter 599 - 3-1/0 to 3-750 MCM, .75" - 2.99" (1.9 - 75.9 mm) diameter
Weight	30758 - 1.2 lbs. (.5 kg) 597 - 6 lbs. (2.7 kg) 598 - 9.9 lbs. (4.5 kg) 599 - 13 lbs. (5.9 kg)

Junior Basket-Type Pulling Grips



- Use to pull in: conduit or tray.
- Type of pulls: building wire manually.
- Type of grip: single weave galvanized steel mesh with flexible pulling eye.
- Select the grip with a maximum rated capacity that meets or exceeds the cable puller's maximum pulling force.

CAT. NO.	UPC NO.	CABLE DIAMETER RANGE		MAXIMUM RATED CAPACITY		EYE LENGTH		MESH LENGTH	
		INCH	mm	LBS.	kN	INCH	mm	INCH	mm
30596	30596	.19 - .24	4.8 - 6.1	80	.3	3-1/4	82.6	4-1/4	108
30584	30584	.25 - .36	6.2 - 9.1	90	.4	3-1/4	82.6	4-1/4	108
30586	30586	.37 - .49	9.2 - 12.6	180	.8	3-3/4	95.3	7	177.8
30588	30588	.50 - .61	12.7 - 15.50	260	1.1	4-1/4	108	8-1/2	215.9
30590	30590	.62 - .74	15.6 - 18.9	390	1.7	5	127	10	254
30592	30592	.75 - .99	19 - 25.3	560	2.4	5-3/4	146	10	254
30594	30594	1.00 - 1.24	25.4 - 31.5	780	3.4	6-1/2	165.1	11-1/2	292.1

Light-Duty Basket-Type Pulling Grips



- Use to pull in: conduit or tray.
- Type of pulls: light-duty, short, easy runs.
- Type of grip: single weave galvanized steel mesh with flexible pulling eye.
- Select the grip with a maximum rated capacity that meets or exceeds the cable puller's maximum pulling force.

CAT. NO.	UPC NO.	CABLE DIAMETER RANGE		MAXIMUM RATED CAPACITY		EYE LENGTH		MESH LENGTH		
		INCH	mm	LBS.	kN	INCH	mm	INCH	mm	
STANDARD										
30536	30536	.50 - .61	12.7 - 15.5	560	2.5	5	127	16	406.4	
30538	30538	.62 - .74	15.6 - 18.9	560	2.5	5	127	16	406.4	
30540	30540	.75 - .99	19.0 - 25.3	800	3.5	6	152.4	20	508	
30542	30542	1.00 - 1.24	25.4 - 31.5	1360	6	7	177.8	20	508	
30544	30544	1.25 - 1.49	31.6 - 38	1360	6	7	177.8	21	533.4	
30546	30546	1.50 - 1.99	38.1 - 50.7	1360	6	8	203.2	23	584.2	
30548	30548	2.00 - 2.49	50.8 - 63.4	1700	7.5	9	228.6	25	635	
30550	30550	2.50 - 2.99	63.5 - 76.1	2120	9.4	9	228.6	27	685.8	
30552	30552	3.00 - 3.49	76.2 - 88.8	2940	13	10	254	30	762	
30554	30554	3.50 - 3.99	88.9 - 101.3	2940	13	10	254	32	812.8	

T-Basket-Type Pulling Grips



- Use to pull in: conduit or tray.
- Type of pulls: medium-duty.
- Type of grip: double weave galvanized steel mesh with flexible pulling eye.
- Select the grip with a maximum rated capacity that meets or exceeds the cable puller's maximum pulling force.

CAT. NO.	UPC NO.	CABLE DIAMETER RANGE		MAXIMUM RATED CAPACITY		EYE LENGTH		MESH LENGTH		
		INCH	mm	LBS.	kN	INCH	mm	INCH	mm	
SHORT										
30558	30558	.50 - .61	12.7 - 15.5	900	4	8	203.2	21	533.4	
30560	30560	.62 - .74	15.6 - 18.9	1120	4.9	8	203.2	24	610	
30562	30562	.75 - .99	19.0 - 25.3	1360	6	9	228.6	24	610	
30564	30564	1.00 - 1.49	25.4 - 38.0	1920	8.7	9	228.6	24	610	
30566	30566	1.50 - 1.99	38.1 - 50.7	3280	14.5	11	279.4	24	610	
30568	30568	2.00 - 2.49	50.8 - 63.3	3700	16.4	12	304.8	24	610	
30570	30570	2.50 - 2.99	63.5 - 76.1	4900	21.7	12	304.8	24	610	
30572	30572	3.00 - 3.49	76.2 - 88.8	4900	21.7	14	355.6	24	610	
30574	30574	3.50 - 3.99	88.9 - 101.3	6200	27.5	14	355.6	26	660.4	
STANDARD										
30576	30576	.75 - .99	19.0 - 25.3	1360	6	9	228.6	36	914.4	
30578	30578	1.00 - 1.49	25.4 - 38.0	1920	8.7	9	228.6	36	914.4	
31010	31010	1.50 - 1.99	38.1 - 50.7	3280	14.5	11	279.4	36	914.4	
30580	30580	2.00 - 2.49	50.8 - 63.3	3700	16.4	12	304.8	36	914.4	
31012	31012	2.50 - 2.99	63.5 - 76.1	4900	21.7	12	304.8	36	914.4	
30582	30582	3.00 - 3.49	76.2 - 88.8	4900	21.7	14	355.6	36	914.4	
31014	31014	3.50 - 3.99	88.9 - 101.3	6200	27.5	14	355.6	40	1016	

K Basket-Type Pulling Grips



- Use to pull in: conduit or tray.
- Type of pulls: heavy-duty, long, hard runs.
- Type of grip: double-weave galvanized steel mesh with flexible pulling eye.
- Select the grip with a maximum rated capacity that meets or exceeds the cable puller's maximum pulling force.

CAT. NO.	UPC NO.	CABLE DIAMETER RANGE		MAXIMUM RATED CAPACITY		EYE LENGTH		MESH LENGTH		ROTATING EYE DIA.	
		INCH	mm	LBS.	kN	INCH	mm	INCH	mm	INCH	mm
STANDARD											
30442	30442	.50 - .61	12.7 - 15.5	1120	4.9	5	127	16	406.4	7/8	22.2
30998	30998	.62 - .74	15.6 - 18.9	1360	6	5	127	16	406.4	7/8	22.2
30460	30460	.75 - .99	19.0 - 25.3	1920	8.5	6	152.4	32	812.8	1	25.4
31000	31000	1.00 - 1.49	25.4 - 38.0	3280	14.5	7	177.8	33	838.2	1-3/8	34.9
30462	30462	1.50 - 1.99	38.1 - 50.7	3280	14.5	7	177.8	34	863.6	1-3/8	34.9
31002	31002	2.00 - 2.49	50.8 - 63.3	5440	24.1	9	228.6	36	914.4	1-5/8	41.2
30464	30464	2.50 - 2.99	63.5 - 76.1	6600	29.3	10	254	38	965.2	1-7/8	47.6
31004	31004	3.00 - 3.49	76.2 - 88.8	8200	36.5	10	254	39	990.6	1-7/8	47.6
30466	30466	3.50 - 3.99	88.9 - 101.5	9600	42.7	10	254	41	1041.4	1-7/8	47.6
31006	31006	4.00 - 4.49	101.6 - 114.2	9600	42.7	10	254	42	1066.8	1-7/8	47.6
30468	30468	4.50 - 4.99	114.3 - 126	9600	42.7	10	254	58	1473.2	1-7/8	47.6
30470	30470	5.00 - 5.99	127 - 152.3	9600	42.7	10	254	60	1524	1-7/8	47.6

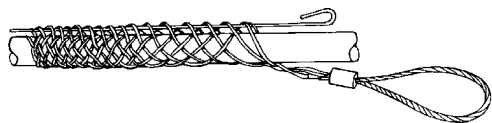
Multiple Strength Basket-Type Pulling Grips with Rotating Forged Eye



- Use to pull overhead transmission lines, bare or insulated conductors and wire rope.
- Type of pulls: heavy-duty, long distance.
- Triple, to double, to single weave galvanized steel mesh with rotating forged eye.
- Color coded for easy size identification.
- Select the grip with a maximum rated capacity that meets or exceeds the cable puller's maximum pulling force.

CAT. NO.	UPC NO.	CABLE DIAMETER RANGE		MAXIMUM RATED CAPACITY		COLOR CODE	EYE LENGTH		MESH LENGTH		ROTATING EYE DIAMETER	
		INCH	mm	LBS.	kN		INCH	mm	INCH	mm	INCH	mm
30474	30474	.25 - .49	12.7 - 15.5	1360	6	Dark Green	5	127	26	660.4	7/8	22.3
30476	30476	.50 - .74	15.6 - 18.9	2000	8.8	Brown	6	152.4	32	812.8	1	25.4
30478	30478	.75 - .99	19.0 - 25.3	2880	12.8	Light Blue	6	152.4	41	1041.4	1	25.4
30480	30480	1.00 - 1.24	25.4 - 31.5	4920	21.8	Gold	8	203.2	52	1320.8	1-3/8	34.9
30482	30482	1.25 - 1.49	31.6 - 38.0	6120	27.2	Black	8	203.2	56	1422.4	1-5/8	41.2
30484	30484	1.50 - 1.74	38.1 - 44.3	6120	27.2	Red	9	228.6	60	1524.0	1-7/8	47.6
30486	30486	1.75 - 2.24	44.4 - 56.9	9600	42.7	Dark Blue	10	254	70	1778.0	1-7/8	47.6
30502	30502	2.00 - 2.49	50.8 - 63.4	9600	42.7	Yellow	10	254	50	1270	1-7/8	47.6
30504	30504	2.50 - 2.99	63.5 - 76.1	9600	42.7	Orange	10	254	52	1320.8	1-7/8	47.6
30506	30506	3.00 - 3.49	76.2 - 88.8	9600	42.7	Aluminum	10	254	54	1371.6	1-7/8	47.6
30508	30508	3.50 - 3.99	88.9 - 101.3	9600	42.7	Light Green	10	254	56	1422.4	1-7/8	47.6

Split Mesh Rod Closing Basket-Type Slack Pulling Grips



- Use to pull when the end of the conductor is not available.
- Type of pulls: light and straight. The rod will not flex around bends.
- Single weave galvanized steel mesh with rod closing and an offset flexible eye.
- Select the grip with a maximum rated capacity that meets or exceeds the cable puller's maximum pulling force.

CAT. NO.	UPC NO.	CABLE DIAMETER RANGE		MAXIMUM RATED CAPACITY		EYE LENGTH		MESH LENGTH	
		INCH	mm	LBS.	kN	INCH	mm	INCH	mm
30658	30658	.50 - .61	12.7 - 15.50	300	1.3	7	177.8	6	152.4
31024	31024	.62 - .74	15.6 - 18.9	360	1.6	7	177.8	8	203.2
30660	30660	.75 - .99	19 - 25.3	440	1.9	7	177.8	10	254
31026	31026	1.00 - 1.24	25.4 - 31.5	680	3	8	203.2	12	304.8
30662	30662	1.25 - 1.49	31.6 - 38.0	900	4	8	203.2	14	355.6
31028	31028	1.50 - 1.74	38.1 - 44.3	1160	5.1	9	228.6	15	381
30664	30664	1.75 - 1.99	44.4 - 50.7	1520	6.7	10	254	16	406.4
31030	31030	2.00 - 2.49	50.8 - 63.4	1800	8	10	254	19	482.6
30666	30666	2.50 - 2.99	63.5 - 76.1	2200	9.7	10	254	20	508
31032	31032	3.00 - 3.49	76.2 - 88.8	2400	10.6	12	304.8	21	533.4
30668	30668	3.50 - 3.99	88.9 - 101.3	2400	10.6	12	304.8	24	610

NOTE: Rope is a very critical link in the cable pulling system. See page 155 for proper pulling rope selection.

Fishing & Cable Pulling

USA Tel: 800.435.0786
Fax: 800.451.2632

Canada Tel: 800.435.0786
Fax: 800.524.2853

International Tel: +1.815.397.7070
Fax: +1.815.397.9247