

*Tooling solutions for the power utility industry.***GRIPS FOR BARE A.C.S.R., ALUMINUM AND STRANDED - COPPER CABLES**

The round, smooth inside jaw contour on this series is ideal for bare ACSR, aluminum and stranded-copper cables. The smooth jaws grip with maximum contact; are less likely to damage conductors.

Part No.	Minimum Cable Size Inches	Maximum Cable Size Inches	Maximum Safe Load Lbs.	Approx. Weigh Each Lbs.	Jaw Length Inches
1656-20	6 ACSR .20	1/0 ACSR .40	4,500	3	4
1656-30	2 ACSR .31	.53	4,500	3-3/4	4-3/4
1656-40	.53	336,400 CM ACSR .74	8,000	7-1/2	5-1/2
1656-50	397,500 CM ACSR .74	477,000 CM ACSR .86	8,000	7-1/2	5-1/2
1656-60	477,000 CM ACSR .86	605,000 CM ACSR .96	8,000	7-1/2	5-1/2

**GRIPS FOR PVC-COVERED CONDUCTORS**

The serpentine jaws of this series are specially machined to allow insertion of insulated conductor through the jaws, which reduces danger of slippage which might result in insulation damage. Eliminates necessity of stripping insulation from conductor. Round inside-jaw contour.

Part No.	Minimum Cable Size Inches	Maximum Cable Size Inches	Maximum Safe Load Lbs.	Approx. Weigh Each Lbs.	Jaw Length Inches
1659-20	.20	.42	4,500	3	4
1659-30	.31	.50	4,500	3-3/4	4-3/4
1659-40	.49	.79	8,000	7-3/4	5-1/2
1659-50	.79	1.01	8,000	7-3/4	5-1/2

**GRIP FOR BARE WIRE**

A lightweight, especially economical grip for working with solid and stranded bare wire from .08" to .20". Single "V" groove jaw.

Part No.	Minimum Cable Size Inches	Maximum Cable Size Inches	Maximum Safe Load Lbs.	Approx. Weigh Each Lbs.	Jaw Length Inches
1613-30	12 B&S Solid .08	4 B&S Solid .20	1,500	1-1/2	3

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## GRIPS FOR EXTRA-HIGH-STRENGTH CABLES, MESSENGER, GUY STRAND AND CONDUCTORS

A family of grips for cable sizes from .12" to 1.0". Double "V" grooves give four-point contact, reducing chance of slipping and providing proper alignment. For larger conductors, see our grips with round inside-jaw contour.



Part No.	Minimum Cable Size Inches	Maximum Cable Size Inches	Maximum Safe Load Lbs.	Approx. Weight Each Lbs.	Jaw Length Inches
1613-40	.12	.37	4,500	3	4
1684-5	.218	.55	8,000	6-1/4	5
1692-5	.218	.55	8,000	6-3/8	5
1684-5F*	.16	.55	8,000	6-1/4	5
1628-16	.31	.62	15,000	15-1/2	7-1/4
1628-17	.50	.75	15,000	17	7-1/4
1628-18	.75	1.00	15,000	17	7-1/4

\*Similar to No. 1684-5 above except with a file inserted in jaw for extra gripping power. Replacement file No. 578 and screws No. 573 are also available.



## PARALLEL-JAW GRIPS

These lightweight, compact grips pull an exceptionally wide range of cable sizes and types. Each grip is designed with round inside-jaw contours. The lower jaw is serrated to firmly grip insulated cables and conductors. The design includes a latch that prevents the grip from falling in case of jaw disengagement from the cable, plus a large-diameter eye that accommodates large hooks on hoists, winches, and tackle blocks.



1685-30

Part No.	Minimum Cable Size Inches	Maximum Cable Size Inches	Maximum Safe Load Lbs.	Approx. Weight Each Lbs.	Jaw Length Inches
1685-20	.157	.886	4,500	3	2.36
1685-30	.625	1.250	6,600	5	4.5
1685-31	.625	1.250	7,500	5	4.5



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## CURVED-JAW GRIPS FOR EHS CABLE

When pulling EHS (extra-high-strength) galvanized steel cable, the galvanizing has a tendency to coat the jaws of any grip, causing the cable to slip. To reduce the possibility of slippage and damage to the cable, the jaws of this grip are milled on a curve with a double "V" contour.

**S1684-74H** Available with hot-line latch and spring.



Part No.	Minimum Cable Size Inches	Maximum Cable Size Inches	Maximum Safe Load Lbs.	Approx. Weigh Each Lbs.	Jaw Length Inches
1684-74	.218	.55	8,000	6-1/4	5
S1684-74H	.218	.55	8,000	6-1/4	5

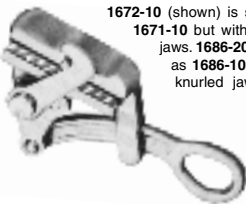


## "TYPE B" STRAND PULLER

This grip is similar to Bell-System Type B strand puller. Designed to pull 1/4" figure-8 telephone cable. Serpentine grooves insulation on strand, preventing slippage. Equipped with chain, toggle, and shackle.



Part No.	Minimum Cable Size Inches	Maximum Cable Size Inches	Maximum Safe Load Lbs.	Approx. Weigh Each Lbs.	Jaw Length Inches
1659-5AT	.20	.37	5,000	6	5



1672-10 (shown) is same as 1671-10 but with knurled jaws. 1686-20 is same as 1686-10 but with knurled jaws.

## PARALLEL-JAW GRIPS

Longer jaws achieve a firm hold reducing possibility of slippage and damage to cable. The design includes a latch, plus a large-diameter eye that accommodates large hooks on hoists, winches, and tackle blocks. When latch is closed, it helps maintain cable position in grip jaws.



Part No.	Minimum Cable Size Inches	Maximum Cable Size Inches	Maximum Safe Load Lbs.	Approx. Weigh Each Lbs.	Jaw Length Inches
1686-10	.20	.40	10,000	5	4-3/8
1671-10	.37	.75	10,000	5	4-3/8
1686-20	.20	.40	10,000	5	4-3/8
1672-10	.37	.75	10,000	5	4-3/8

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## KLEIN 'HAVEN' GRIPS

Designed for use when light, compact grip is desired and where conductor damage is not a factor. Gripping pressure of the knurled jaw is applied to 1/4" cable area.

1604-20L and 1625 series have a swing latch to help hold cable in the jaw.

Part No.	Min. Cable Size - In.	Max. Cable Size - In.	Max. Safe Load Lbs.	Approx. Weight Ea. Lbs.
1064-10	14 B&S - .06	2 B&S - .25	2,500	1
1604-20	8 B&S - .125	Steel Str. - .50	5,000	2-1/2

Part No.	Min. Cable Size - In.	Max. Cable Size - In.	Max. Safe Load Lbs.	Approx. Weight Ea. Lbs.
1604-20L	8 B&S - .125	Steel Str. - .50	5,000	2-1/2

Part No.	Min. Cable Size - In.	Max. Cable Size - In.	Max. Safe Load Lbs.	Approx. Weight Ea. Lbs.
1625-20	1 B&S - .28	Wire Rope - .75	8,000	3-1/2
1625-20 <sup>7/8</sup>	.38	Wire Rope - .88	8,000	3-1/2
1625-20 1	.50	Wire Rope - 1.00	8,000	3-1/2





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## WIRE GRIPS

### Safety, Efficiency, and Economy

Spring-loaded and non-spring-loaded models release instantly to quickly insert or remove wire.

Steel forged construction is durable and lightweight.

Special gate on hot line grip models prevents open grip from dropping off wire.

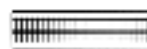
Replacement jaw with large, aggressive teeth is available on some models. Consult your Reliable representative.



**NOTE:** 1000 and 2000 lb. models have Bulldog-type jaw with aggressive teeth. All other models have parallel jaw.



Fine Teeth



Aggressive Teeth

### Standard and Hot Line Grips - 1,000-20,000 Lbs.

Model #	Grip Type	Capacity (lbs)	Wt. (lbs)	Wire Size				Handle Eye Opening Inches	
				Minimum Gauge		Maximum Gauge			
LMB1000	Standard Spring Loaded	1,000	1/2	.04	18AWG	.394	1/0AWG	.625 dia.	
LMG2000		2,000	1	.109	8AWG	.594	4/0AWG	1 x 1-1/2	
LMG4500		5,000	3-1/4	.18	6AWG	.60	4/0AWG	1-1/4 x 1-3/4	
LMG4600		10,000	4-1/2	.30	1AWG	.80	450MCM	1-1/4 x 1-3/4	
LMG4800		12,000	8	.70	397MCM	1.25	1130MCM	1-1/4 x 1-3/4	
LMG4700		20,000	21	.70	397MCM	1.25	1130MCM	2-1/2 x 3-1/2	
LMG4501	Hot Line Spring Loaded	5,000	3-1/4	.18	6AWG	.60	4/0AWG	1-1/4 x 1-3/4	
LMG4601		10,000	4-1/2	.30	1AWG	.80	450MCM	1-1/4 x 1-3/4	
LMG4801		Notched Handle	12,000	8	.70	397MCM	1.25	1130MCM	1-1/4 x 1-3/4
LMG4701			20,000	21	.70	397MCM	1.25	1130MCM	2-1/2 x 3-1/2
LMG4502	Hot Line No Spring No Notch	5,000	3-1/4	.18	6AWG	.60	4/0AWG	1-1/4 x 1-3/4	
LMG4602		10,000	4-1/2	.30	1AWG	.80	450MCM	1-1/4 x 1-3/4	
LMG4802		12,000	8	.70	397MCM	1.25	1130MCM	1-1/4 x 1-3/4	
LMG4702		20,000	21	.70	397MCM	1.25	1130MCM	2-1/2 x 3-1/2	



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