

HI-TOOL CO., LTD

WIRE GRIPS (MADE IN JAPAN)

- All models are fitted with swing down safety latch, with most models including a patented one handed trigger grip as standard.
- Convenient sized and special shaped pulling eyes to suit all brands of strap hoists.
- All gripping jaws are produced with new technology to increase jaw life.
- Grips are designed to be more cost effective by being able to be used over a wider range of cable diameters.
- 40, 50 & 60kN grip models feature a twist grip design which prevents cable damage (Refer page 214).



WIRE GRIP QUICK SELECTION GUIDE

A large range of HI-TOOL NGK grips provided by Specialised Force have the patented one handed trigger grip and all contain safety latches. Every grip is proof tested before shipment to ensure quality, etched with serial numbers and date of manufacture.

GRIP SELECTION

1. Determine the type of wire or conductor the Grip is to be used on, for example: bare Cu; Al; ACSR, Guy Wire, Covered Conductor, ABC, Steel Rod or Barbed wire.
2. Check the actual (OD) Outside Diameter of wire or conductor the Grip is to be used on.
3. What is the maximum working load limit (WLL) required.

FEATURES

- Patented one-handed trigger grip operation.
- All models are fitted with swing down safety latch as standard.
- Conveniently sized and special shaped pulling eyes to suit all brands of strap hoists.
- All gripping jaw produced with new technology to increase jaw life.
- Grips are designed to be used over a wider range of cable

Always follow manufacturer's safety instructions, especially with regards to regular inspection and maintenance. **Grip jaws must be cleaned regularly with a wire brush to reduce contamination build-up and avoid slippage.** Contact your nearest SF branch for more detailed information.

LOCKING GRIP

Optional Locking Type Grip Available on the below models (Add suffix "-LK" to Model No., example AL-20KN-GRIP LK).

- SD-S-GRIP
- 35KN-GRIP
- MIGHTY20-GRIP
- AL-10KN-GRIP
- AL-20KN-GRIP
- AL-MIGHTY-GRIP
- ABC-L-GRIP

LOCK OPEN NOTCH

This feature allows the grip to be held in the open position for easy insertion of cable, available on the below models (Add suffix "-NS" to the Model No. example 20KN-GRIP-NS).

- MIGHTY-20-GRIP
- ABC-M-GRIP-S
- ABC-M-GRIP
- ABC-L-GRIP



WIRE GRIPS SELECTION CHART

Model No.	Specifications					Cable/Conductor Types										Safety				
	WLL(kN)	Min Cond (mm) Ø	Max Cond (mm) Ø	Jaw Length (mm)	Weight (kg)	Copper	ACSR	Aluminium	ABC	Covered Conductor	Contact Wire (Rail Catalogue Only)	Guy Wire	Wire Rope	Barbed Wire	Live Line Rings	Latch	Trigger Grip	Spring Latch	Notched	Locking
SD-S-GRIP	10	3	13	50	0.6	✓				✓		✓			✓	✓				
SD-S-GRIP-LK	10	3	13	50	0.6	✓				✓		✓			✓	✓				✓
NEW-SD-GRIP	10	2.6	15	50*	0.6	✓				✓		✓		✓	✓	✓				
10KN-GRIP	10	5	22	70	1.1	✓				✓	✓	✓			✓	✓				
20KN-GRIP	20	5	22	90	1.5	✓				✓	✓	✓			✓	✓				
H-20KN-GRIP	20	5	22	90	1.5	✓				✓	✓	✓		✓	✓	✓	✓	✓	✓	
20KN-W-GRIP	20	5	22	90	1.5	✓				✓	✓	✓	✓		✓	✓				
35KN-GRIP	35	5	22	90	1.7	✓				✓	✓	✓	✓		✓	✓				
H-35KN-GRIP	35	5	22	90	1.7	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
H-35KN-GRIP-LK	35	5	22	90	1.8	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MIGHTY-20-GRIP	20	5	28	120	1.9	✓				✓		✓			✓	✓				
MIGHTY-20-GRIP-NS	20	5	28	120	1.9	✓				✓		✓			✓	✓			✓	
H-MIGHTY-20-GRIP	20	5	28	120	1.9	✓				✓		✓		✓	✓	✓	✓	✓	✓	
H-MIGHTY-20-GRIP-LK	20	5	28	120	2	✓				✓		✓		✓	✓	✓	✓	✓	✓	✓
LARGE-20-GRIP	20	16	35	120	2.1	✓				✓					✓	✓				
H-LARGE-20-GRIP	20	16	35	120	2.1	✓				✓					✓	✓	✓	✓	✓	
LARGE-30-GRIP	30	18	35	120	2.4	✓				✓					✓	✓				
H-LARGE-30-GRIP	30	18	35	120	2.4	✓				✓					✓	✓	✓	✓	✓	
40KN-GRIP	40	8	28	140	3.5	✓				✓	✓	✓	✓		✓	TWIST				
AL-10KN-GRIP	10	5	22	70	1.1	✓	✓	✓							✓	✓				
AL-10KN-GRIP-LK	10	5	22	70	1.3	✓	✓	✓							✓	✓				✓
AL-20KN-GRIP	20	5	22	90	1.5	✓	✓	✓							✓	✓				
AL-20KN-GRIP-LK	20	5	22	90	1.6	✓	✓	✓							✓	✓				✓
AL-35KN-GRIP	35	5	22	90	1.7	✓	✓	✓							✓	✓				
AL-MIGHTY-GRIP	20	2	28	120	1.9	✓	✓	✓							✓	✓				
AL-MIGHTY-GRIP-LK	20	2	28	120	2	✓	✓	✓							✓	✓				✓
AL-LARGE-GRIP	20	16	35	120	2.1	✓	✓	✓							✓	✓				
AL-LARGE-30-GRIP	30	18	35	120	2.4	✓	✓	✓							✓	✓				
AL-50KN-GRIP	50	18	36	180	4.7	✓	✓	✓							✓	TWIST				
AL-60KN-GRIP	60	28	46	220	7	✓	✓	✓							✓	TWIST				
ABC-S-GRIP	3.5	4x16mm ² 2x16mm ²	4x35mm ² 2x50mm ²	80	0.6				✓						✓	✓				
ABC-M-GRIP	10	4x25mm ²	4x95mm ²	160	2.4				✓						✓	✓				
ABC-M-GRIP-NS	10	4x25mm ²	4x95mm ²	160	2.4				✓						✓	✓			✓	
ABC-M-GRIP-S-NS	10	4x25mm ²	4x95mm ²	160	2.4				✓						✓	✓	✓	✓		
ABC-L-GRIP	18	4x95mm ²	4x150mm ²	180	2.6				✓						✓	✓				
ABC-L-GRIP-NS	18	4x95mm ²	4x150mm ²	180	2.6				✓						✓	✓			✓	
ABC-L-GRIP-LK	18	4x95mm ²	4x150mm ²	180	2.7				✓						✓	✓				✓

* Curved serrated jaw

PATENTED HI-TOOL TRIGGER GRIP

WIRE GRIPS (MADE IN JAPAN)

HI-TOOL CO., LTD.

SPECIFICATION



SD-S-GRIP

For Bare Copper, Cable Covered & Guy Wire (Special Flat Jaw, Compact & Lightweight)



WLL (kN)	Min. Cable (mm)	Max. Cable Jaw Length (mm)	Eye Size (mm)	Weight (kg)	Locking Grip Type Available
10	3	13	50	0.6	SD-S-GRIP-LK



NEW-SD-GRIP

For CU Cable, Guy Wire, Steel Rod & Barbed Wire

WLL (kN)	Min. Cable (mm)	Max. Cable Jaw Length (mm)	Eye Size (mm)	Weight (kg)
10	2.6	15	50	0.6



10KN-GRIP

For Bare Copper Cable, Covered Cable, Guy Wire

WLL (kN)	Min. Cable (mm)	Max. Cable Jaw Length (mm)	Eye Size (mm)	Weight (kg)
10	5	22	70	1.1



20KN-GRIP

For Bare Copper Cable, Covered Cable, Guy Wire

WLL (kN)	Min. Cable (mm)	Max. Cable Jaw Length (mm)	Eye Size (mm)	Weight (kg)
20	5	22	90	1.5



H-20KN-GRIP

For Bare Copper Cable, Covered Cable, Guy Wire

WLL (kN)	Min. Cable (mm)	Max. Cable Jaw Length (mm)	Eye Size (mm)	Weight (kg)
20	5	22	90	1.5



LOCK OPEN NOTCH

This feature allows the grip to be held in the open position for easy insertion of cable, available on the below models (Add suffix "-NS" to the Model No. example 20KN-GRIP-NS).

- MIGHTY-20-GRIP
- ABC-M-GRIP
- ABC-M-GRIP-S
- ABC-L-GRIP



LOCKING GRIP

Optional Locking Type Grip Available on the below models (Add suffix "-LK" to Model No. E.g. 20KN-GRIP-LK)

- SD-S-GRIP
- 35KN-GRIP
- MIGHTY20-GRIP
- AL-10KN-GRIP
- AL-20KN-GRIP
- AL-MIGHTY-GRIP
- ABC-L-GRIP



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SPECIFICATION



20KN-W-GRIP

For Bare Copper Cable, Covered Cable, Trolley Wire, Guy Wire & Wire Rope

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
20	5	22	90	32x42	1.5



35KN-GRIP

For Bare Copper Cable, Covered Cable, Contact Wire, Guy Wire & Wire Rope

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
35	5	22	90	32x42	1.7



H-35KN-GRIP

For Bare Copper Cable, Covered Cable, Contact Wire, Guy Wire & Wire Rope

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)	Locking Grip Type Available
35	5	22	90	32x42	1.7	H-35KN-GRIP-LK



MIGHTY-20-GRIP

For Bare Copper Cable, Covered Cable & Guy Wire

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)	Locking Grip Type Available
20	5	28	120	32x42	1.9	MIGHTY-20-GRIP-NS



H-MIGHTY-20-GRIP

For Bare AL, ACSR & Copper Cable

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)	Locking Grip Type Available
35	5	28	120	32x42	1.9	H-MIGHTY-20-GRIP-LK



LOCK OPEN NOTCH

This feature allows the grip to be held in the open position for easy insertion of cable, available on the below models (Add suffix "-NS" to the Model No. example 20KN-GRIP-NS).

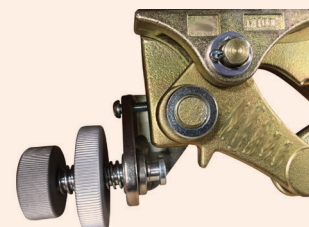
- MIGHTY-20-GRIP
- ABC-M-GRIP
- ABC-M-GRIP-S
- ABC-L-GRIP



LOCKING GRIP

Optional Locking Type Grip Available on the below models (Add suffix "-LK" to Model No. E.g. 20KN-GRIP-LK)

- SD-S-GRIP
- 35KN-GRIP
- MIGHTY20-GRIP
- AL-10KN-GRIP
- AL-20KN-GRIP
- AL-MIGHTY-GRIP
- ABC-L-GRIP



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SPECIFICATION



LARGE-20-GRIP

For Covered Cable & Bare Copper Cable

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
20	16	35	120	32x42	2.1



H-LARGE-20-GRIP

For Bare AL, ACSR & Copper Cable

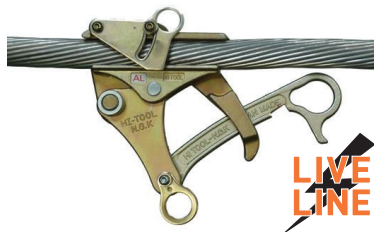
WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
20	16	35	120	32x42	2.1



LARGE-30-GRIP

For Bare ACSR, AL & Copper Cable

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
30	18	35	120	32x42	2.4



H-LARGE-30-GRIP

For Bare AL, ACSR & Copper Cable

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
30	18	35	120	32x42	2.4

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LOCK OPEN NOTCH

This feature allows the grip to be held in the open position for easy insertion of cable, available on the below models (Add suffix "-NS" to the Model No. example 20KN-GRIP-NS).

- MIGHTY-20-GRIP
- ABC-M-GRIP
- ABC-M-GRIP-S
- ABC-L-GRIP



LOCKING GRIP

Optional Locking Type Grip Available on the below models (Add suffix "-LK" to Model No. E.g. 20KN-GRIP-LK)

- SD-S-GRIP
- 35KN-GRIP
- MIGHTY20-GRIP
- AL-10KN-GRIP
- AL-20KN-GRIP
- AL-MIGHTY-GRIP
- ABC-L-GRIP



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SPECIFICATION



AL-10KN-GRIP

For Bare ACSR, AL & Copper Cable

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)	Locking Grip Type Available
10	5	22	70	25x30	1.1	AL-10KN-GRIP-LK



AL-20KN-GRIP

For Bare ACSR, AL & Copper Cable

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)	Locking Grip Type Available
20	5	22	90	32x42	1.5	AL-20KN-GRIP-LK



AL-35KN-GRIP

For Bare ACSR, AL & Copper Cable

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
35	5	22	90	32x42	1.7



AL-MIGHTY-GRIP

For Bare ACSR, AL & Copper Cable

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)	Locking Grip Type Available
20	5	28	120	32x42	1.9	AL-MIGHTY-GRIP-LK



AL-LARGE-GRIP

For Bare ACSR, AL & Copper Cable

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
20	16	35	120	32x42	2.1

LOCK OPEN NOTCH

This feature allows the grip to be held in the open position for easy insertion of cable, available on the below models (Add suffix "-NS" to the Model No. example 20KN-GRIP-NS).

- MIGHTY-20-GRIP
- ABC-M-GRIP
- ABC-M-GRIP-S
- ABC-L-GRIP



LOCKING GRIP

Optional Locking Type Grip Available on the below models (Add suffix "-LK" to Model No. E.g. 20KN-GRIP-LK)

- SD-S-GRIP
- 35KN-GRIP
- MIGHTY20-GRIP
- AL-10KN-GRIP
- AL-20KN-GRIP
- AL-MIGHTY-GRIP
- ABC-L-GRIP



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SPECIFICATION



AL-LARGE-30-GRIP

For Bare ACSR, AL & Copper Cable

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
30	18	35	120	32x42	2.4

LARGE CAPACITY GRIPS



40KN-GRIP

For Messenger Wire, Wire Rope, Trolley Cable, Copper Cable

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
40	8	28	140	43x51	3.5



AL-50KN-GRIP

For Bare ACSR, AL-Cable and Bare Copper-Cable Only

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
50	18	36	180	43x51	4.7



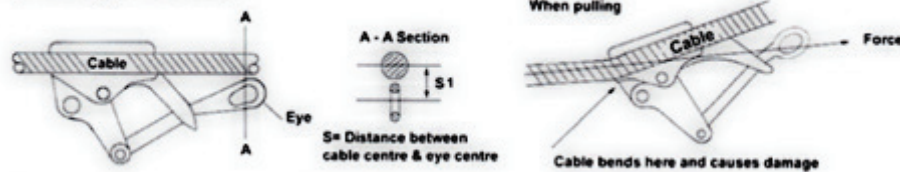
AL-60KN-GRIP

For Bare ACSR, AL-Cable and Bare Copper-Cable Only

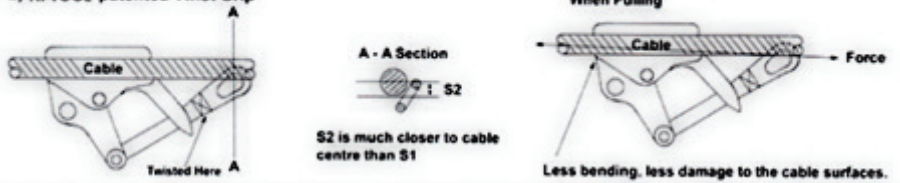
WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
60	28	46	220	60x51	7.0

TWIST GRIP FEATURE

1) Normal grip on the market



2) HI-TOOL patented Twist Grip



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SPECIFICATION



ABC-S-GRIP

For Aerial Bundled Cable (Conductor)

WLL (kN)	Min. Cable (mm ²)	Max. Cable (mm ²)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
3.5	4x16 2x16	4x35 2x50	80	24x30	0.6



ABC-M-GRIP

For Aerial Bundled Cable (Conductor)



WLL (kN)	Min. Cable (mm ²)	Max. Cable (mm ²)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)	Lock Open Notch Type Available	Spring Latch Type Available
10	4x50	4x95	160	32x42	2.4	ABC-M-GRIP-NS	ABC-M-GRIP-S-NS



ABC-L-GRIP

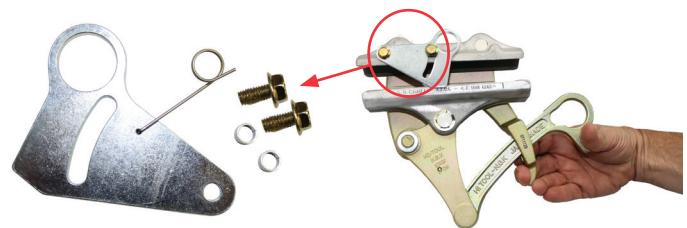
For Aerial Bundled Cable (Conductor)



WLL (kN)	Min. Cable (mm ²)	Max. Cable (mm ²)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)	Lock Open Notch Type Available	Spring Latch Type Available
18	4x95	4x150	180	32x42	2.6	ABC-L-GRIP-NS	ABC-L-GRIP-LK

LOCKING GRIP

Model No.	SL-S	SL-M
Suits Grip Types	20kN & 30kN	MIGHTY-20, LARGE-20, LARGE-30 & All ABC Grips
Contains	Gate, Spring, 2x Hex Screws & 2x Spacers	



LOCK OPEN NOTCH

This feature allows the grip to be held in the open position for easy insertion of cable, available on the below models (Add suffix "-NS" to the Model No. example 20KN-GRIP-NS).

- MIGHTY-20-GRIP
- ABC-M-GRIP
- ABC-M-GRIP-S
- ABC-L-GRIP



LOCKING GRIP

Optional Locking Type Grip Available on the below models (Add suffix "-LK" to Model No. E.g. 20KN-GRIP-LK)

- SD-S-GRIP
- 35KN-GRIP
- MIGHTY20-GRIP
- AL-10KN-GRIP
- AL-20KN-GRIP
- AL-MIGHTY-GRIP
- ABC-L-GRIP

