

IZUMI



FORCE
6 Tonne

BATTERY TYPE & CAPACITY
Lithium-Ion 14.4VDC 4.0Ah

CAPACITY
Crimp # **SL-6CJ** head up to 240mm²
Al/Cu/ACSR
Cut # **SL-CH** up to 32mm OD
Cu/Al 300mm²
SL-ACSR up to 20mm OD
ACSR (Single Steel Core)
SL-GW up to 14.3mm
Cu/Al/ACSR

MODEL No. SL-ND



SL-6CJ
6T Crimp



SL-ACSR
Cut ACSR

FEATURES

- The SL-ND has four interchangeable jaw types: SL-6CJ Jaw for crimping (6T capacity); SL-CH jaw for cutting Al/Cu; SL-ACSR for cutting ACSR; and SL-GW for cutting Al/Cu/ACSR.
- Quickly and easily change between head types with the easy pull-pin design.
- The SL-6CJ Jaw accommodates 6 ton round type dies for applying compression fittings to copper, aluminium, and ACSR conductors widely used in the industry (Also crimps ABC).
- The SL-ND also features an LED light for illuminating dark work areas and a fully enclosed weather resistant housing.
- Powered by a Lithium-Ion battery 4.0Ah.
- **Jaws are sold separately.**

SPECIFICATIONS

Motor (V D C)	14.4
Force at die face (kN)	70
Size (mm) (LxHxW)	560 x 89 x 69
Weight (kg)	3.6 (Inc battery)
Battery Capacity (Ah)	4.0 (Lithium-Ion)
Charge Time (mins)	90



Simple Spring Loaded
Twist Pin Design for
Changing Head

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DETAILS

- Rapid ram advance mechanism
- Well balanced design
- Simple spring loaded twist pin design for changing head
- Right or Left handed operation
- Quality backed by ISO9001
- 14.4 VDC powerful motor



SL-CH
Cut Al/Cu



SL-GW
Cut Al/Cu/ACSR



SL-ND
6T Crimp Tool (only)

The SL-ND was designed light and ergonomic, to be used one-handed and operated in confined spaces.

Refer to Page 49-50 for More Information on the Cutting Heads

ORDERING INFORMATION

Model No.	Description	SL-ND Tool Only	SL-6CJ Crimp Head	SL-CH AL/CU Cutting Head	SL-ACSR ACSR Cutting Head	SL-GW AL/CU/ACSR Cutting Head	BP-84LI Lith-ion Battery	CH-120 12/24-230V Charger	6T-6mm Round-ing Die	SL-CB Bending Tool
SL-ND	6T Tool Only	1								
SL-ND(CC)	6T Tool with Lithium-ion Battery & Charger	1					2	1		
SL-ND/6CJ(CC)	6T Crimping Tool	1	1				2	1		
SL-ND/CH(CC)	6T AL/CU Cutting Tool	1		1			2	1		
SL-ND/6CJ/ACSR(CC)	6T Crimping & ACSR Cutting Tool	1	1		1		2	1		
SL-ND/ACSR(CC)	6T ACSR Cutting Tool	1			1		2	1		
SL-ND/GW(CC)	6T AL/CU/ACSR Cutting Tool	1				1	2	1		
SL-ND FENCING TOOL	6T Fencing Tool	1	1				2	1	1	
SL-ND/CB(CC)	6T Cable Bending Tool	1					2	1		1

NOTE: All Tool Combinations Supplied with Case. Contact your Nearest Specialised Force Branch to Design your Own Kit. Refer to Page/s: 14 for Battery & Charger Details; 28 for 6T Crimping Dies & 316 for Bending Head Details

A CABLE CRIMPING

www.specialisedforce.com.au

MODEL No. SL-ND/CB BATTERY HYDRAULIC CABLE BENDER (MADE IN JAPAN)




SL-CB BENDING HEAD

BATTERY TOOL FEATURES

- New Pull-Pin Design for Quick Jaw Change
- Bright White, LED Lights for Working in Low Light Conditions
- Audible Bypass when Predetermined pressure is Achieved
- Tested Up To 75kV

SPECIFICATIONS

Weight	6.55 kg
Size	178L x 356W x 556H mm
Bending capacity	25.4mm OD
Head attachment	

Tool sold separately

The SL-ND/CB is the first of its kind in the electrical utility industry in battery powered cable bending. The SL-ND/CB utilizes the pull-pin design, allowing technicians to change jaws from compression, to cutting, to cable bending. The SL-ND/CB is just one of the many ergonomic solutions, provided by Izumi, to help reduce strains and sprains associated with the daily tasks of a powerline technician. The SL-ND/CB has several different settings, so the tool can be used on conductor in a variety of sizes. Featuring a low profile, the SL-ND/CB can be used in a variety of close-quarter environments; such as underground vaults, meter bases and substation applications and wherever cable bending is required.

NOTE: Contact cable manufacturer for specified cable bending radii and cable bending requirements.

Model No.	Description
SL-ND/CB(CC)	Tool, Bending Head Attachment, 2 Li-Ion Batteries, Charger (AC/DC) & Case
SL-ND(CC)	Tool, 2 Li-Ion Batteries & Case Only (No heads)
SL-ND	Tool & Case Only (No battery or heads)
SL-CB	Bending Head Attachment Only
BP-84LI	Lithium-Ion Battery 14.4VDC Only
CH120	Charger AC/DC (230VAC/12-24VDC)



SL-ND TOOL



SCAN & PLAY

Refer pages 14 for battery & charger details
Refer page 26-27 for Crimping Heads and Cutting Head

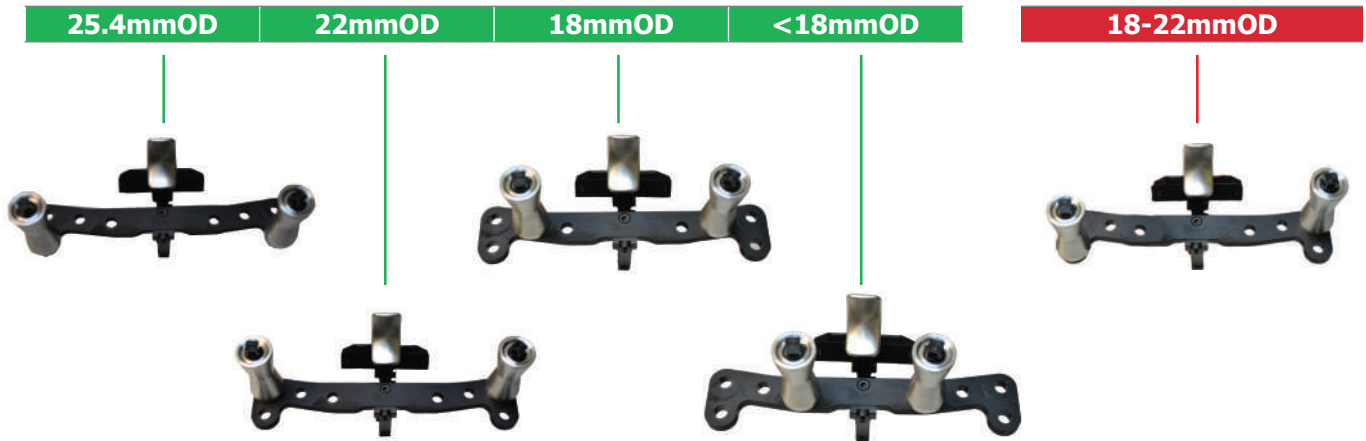
MODEL No. SL-ND/CB BATTERY HYDRAULIC CABLE BENDER INSTRUCTIONS



BENDING WITH THE SL-CB

1. Install the SL-CB into the Izumi SL-ND compression tools.
2. Adjust the rollers to the position most appropriate for the cable that is going to be bent.
 There are multiple positions the rollers can be placed in (**GREEN BELOW**). The attached pictures are to be used simply as an approximate guide for reference. The rollers do not have to be re-positioned (**RED BELOW**).
3. Use caution as not to bend the cable in a radius too tight that it may damage insulation or conductor. Typically, a bend radius should be approximately 12 times the diameter of the cable itself. A 25.4mm diameter cable should have a 305mm radius bend. (NOTE: It is recommended to consult the manufacturer of the cable to obtain necessary cable bending radius before attempting to operate the SL-CB.)
4. Position the cable between rollers and bending shoe at the center of where the radius is to begin. Advance the jaws to begin the bend, again using caution and not allowing the bend to become too sharp. The tool can be stopped at any time during the operation and released.
5. Continue to work the cable to the proper bend radius by moving the bending jaw in 75mm to 150mm increments down the cable and advancing the jaw to bend.

ROLLER POSITIONING



6 TON ROUND DIES

**SUITS KLAUKE EK425, IZUMI SL-ND
DOES NOT SUIT IZUMI 5 TONNE TOOLS**

COPPER

Model No.	Dimensions Of Hex Die (mm)		Conductor Details (mm ²)
	A/F	Crimp Length	
6T-6.3AFCU	6.3	6.0	16
6T-7.7AFCU	7.7	10.0	25
6T-9.2AFCU	9.2	10.0	35
6T-10.4AFCU	10.4	9.0	50
6T-11.5AFCU	11.5	9.0	70
6T-14.2AFCU	14.2	6.0	95
6T-16.5AFCU	16.5	6.0	120
6T-18.3AFCU	18.3	5.0	150
6T-20.0AFCU	20.0	5.0	185
6T-23.1AFCU	23.1	5.0	240
6T-CUSET240	COPPER DIE SET		INCLUDES ALL DIES ABOVE

ALUMINIUM

Model No.	Dimensions Of Hex Die (mm)		Conductor Details (mm ²)
	A/F	Crimp Length	
6T-9.0AFAL	9.0	12.0	10-35
6T-13.2AFAL	13.2	12.0	50-70
6T-22.0AFAL	22.0	9.0	150-185

ABC – PRE-INSULATED SLEEVES

Model No.	Dimensions Of Hex Die (mm)		Conductor Details (mm ²)
	A/F	Crimp Length	
6T-14.0AFALABC	14.0	9.0	25
6T-17.3AFALABC	17.3	9.0	35-70
6T-21.5AFALABC	21.5	9.0	95-150



6T-CUSET240