

HAND CUTTERS & CRIMPERS



Hydraulic Cutter Steel & Wire Rope Maximum Diameter 55mm HT-TC055

- Designed to cut cables, conductors, ropes and rods
- Maximum cutting diameter of 55mm.
- Produces up to 140kN force at the max pressure of 880bar.
- Length: 595mm; weight: 8.3kg



Battery Powered Hydraulic Cutter Maximum Diameter 50mm BTC051

- Designed to cut annealed copper, aluminium or communications cable
- Maximum cable diameter of 50mm
- ±240 cuts per fully charged battery
- Length: 418mm; weight: 5.7kg



Copper Lug Indent Crimper K9 - 16-120mm²

- Designed for indent crimping copper lugs.
- Adjustable die enables indent crimping from 16-120mm²
- Length: 650mm; weight: 3.6kg



Copper Lug Hexagonal Crimpers K05 - 6-50mm² K06 - 6-120mm²

- Self-contained and rotating dies
- Tool has an over-centre action to ensure complete crimp
- K05 Length: 390mm; weight: 1.3kg
- K06 Length: 660mm; weight: 3.5kg

BATTERY & HYDRAULIC CRIMPERS



Hydraulic Hexagonal Crimper - 5 tonne HT51

- Copper and aluminium hexagonal dies for standard Australian dimensions
- Nominal force 5 tonne at die faces
- Largest die size 22mm A/F, i.e., 185mm² AL lug
- Length: 373mm; weight: 2.6kg



Hydraulic Crimper 'C' Head - 13 tonne HT131LN-C

- Copper and aluminium hexagonal dies for standard Australian dimensions
- Nominal force 13 tonne at the die faces
- Throat opening 42mm
- Head rotates 180° for work in tight spaces
- Nominal largest die size is 300mm²
- Length: 520mm; weight: 6.2kg



Battery Powered Hydraulic Crimper "Pistol Grip" - 5 tonne B51

- Copper and aluminium hexagonal dies for standard Australian dimensions
- Nominal force 5 tonne at die faces
- Has a maximum pressure valve
- 14.4V Ni-MH battery, 3.0Ah
- ±240 compressions per fully charged battery
- Length: 297mm; weight: 3.8kg (with battery)



Battery Powered Hydraulic Crimper "Pistol Grip" - 13 tonne B135LN-C

- Copper and aluminium hexagonal dies for standard Australian dimensions
- Nominal force 13 tonne at die faces
- Throat opening 42mm
- Crimps from 6mm² - 300mm²
- Dual speed ram action
- Head Rotates 180°
- 14.4V Ni-MH, 3.0Ah battery
- ±42 compressions per fully charged battery
- Length: 248mm; weight: 7.35kg (with battery)



PRECISION DIE SETS



Dies for 5 Tonne Tool Range

Nominal Conductor (mm ²)	Copper Lugs		Copper FT Splices	
	Die Part No.	A/F Hex Die (mm)	Die Catalogue No.	A/F Hex Die (mm)
6	M44-50	4.4	M82-50	8.2
10	M57-50	5.7	M82-50	8.2
16	M63-50	6.3	M82-50	8.2
25	M77-50	7.7	M96-50	9.6
35	M92-50	9.2	-	-
50	M104-50	10.4	-	-
70	M115-50	11.5	M148-50	14.8
95	M142-50	14.2	M190-50	19.0
120	M165-50	16.5	-	-
150	M183-50	18.3	-	-
185	M200-50	20.0	-	-

Aluminium Hexagonal Dies 13 Tonne C Type

Catalogue No.	Aluminium Conductor Size (mm ²)	Aluminium Die A/F (mm)
HT-6/35AL	6-35	9.0
HT-50/70AL	50-70	13.2
HT-95/120AL	95-120	17.3
HT-150/185AL	150-185	22.0
HT-240/300AL	240-300	28.4

Copper Hexagonal Dies 13 Tonne C Type

Catalogue No.	Copper Conductor Size (mm ²)	Copper Die A/F (mm)
HT130-C-6	6	4.4
HT130-C-10	10	5.7
HT130-C-16	16	6.3
HT130-C-25	25	7.7
HT130-C-35	35	9.2
HT130-C-50	50	10.4
HT130-C-70	70	11.5
HT130-C-95	95	14.2
HT130-C-120	120	16.5
HT130-C-150	150	18.3
HT130-C-185	185	20.0
HT130-C-240	240	23.1
HT130-C-300	300	26.0

NATA ACCREDITED LABORATORY



Cabac Engineering uses the latest 3D Modeling software to design and develop unique customer solutions.



CABAC is accredited to AS/NZS ISO 9001 (QEC 0576). Throughout the Engineering, Design and Manufacturing phases involved with new product development, design is verified using our own NATA Accredited Laboratory (Accreditation Number:14351) to ensure products of the highest quality are produced. CABAC Laboratories can also conduct client specific testing.



Our State-of-the-art custom manufacturing facility ensures the lug is manufactured to meet the original design specification. It also ensures speedy turnaround from concept to production.



CRIMPING METHODS



GOOD CRIMP

Minimal to no air gaps with nicely formed sharp corners on the hex of the crimp.



UNDER CRIMPED

Many air gaps present with rounded corners on the hex of the crimp and may result in joint failure.



OVER CRIMPED

Minimal to no air gaps with winging obvious on two adjacent corners of the hex where the dies meet and may result in joint failure.



CABAC are able to design and custom manufacture lugs, links and other product solutions to meet your specific design and technical requirements.



For further details contact CABAC customer care on
Australia 133 122 cabac.com
New Zealand 0800 996 969 cabac.co.nz

CABAC has a policy of continuous product improvement and reserves the right to change materials and specifications without notice. Drawings, when used, are not to scale. All dimensions are in millimetres and sizes given are approximate. Where available, technical and MSDS data sheets are available on cabac.com.au / cabac.co.nz. All CABAC products should be installed and used in accordance with manufacturer's instructions provided. Warning: products may be the subject of registered designs and patents. *Refer to CABAC website cabac.com.au / cabac.co.nz for terms and conditions of warranty.

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CSU/ISO/09-11



One Call → One Day → One Delivery



The **Right Lug**
The **Right Tool** for
The **Right Connection**



COPPER LUGS



COPPER LUGS



BI-METAL LUGS



BI-METAL LUGS



ALUMINIUM LUGS



ALUMINIUM LUGS



CABAC Copper lugs utilise oxygen free 99.9% pure copper providing superior electrical conductivity and standards mandrels to control interior cross section during stamping, critical to successful crimping. All lugs are annealed to provide flexibility and resistance to cracking during crimping. With a palm shape that meets the required standard across the entire range and the ability to operate continuously over 155°C, CABAC provides the widest range of type tested and NATA certified lugs to Australian and New Zealand specification.

CRIMP LUGS

- To fit cable size 1.5mm² – 1800mm²
- General purpose lugs for terminating copper conductors
- CABAC Crimpers: K9, K06, HT51, HT131LN-C, B51, B135LN-C



FOUR BOLT CONNECTION LUGS

- To fit cable size 6mm² – 300mm²
- Designed for a robust connection in temporary environments and infield connection solutions.



BELL MOUTH LUGS

- To fit cable size 6mm² – 500mm²
- Designed to accommodate fine stranded copper flexible conductors
- CABAC Crimpers: K9, K06, HT51, HT131LN-C, B51, B135LN-C



CIRCUIT BREAKER LUGS

- To fit cable size 35mm² – 300mm²
- Designed for terminating large conductors into narrow circuit breaker tunnels
- CABAC Crimpers: K9, K06, HT51, HT131LN-C, B51, B135LN-C



DOUBLE GRIP LUGS

- To fit cable size 35mm² – 300mm²
- Designed for terminating flexible cables in high vibration and critical environments
- CABAC Crimpers: K9, K06, HT51, HT131LN-C, B51, B135LN-C



LONG BARREL LUGS

- To fit cable size 10mm² – 630mm²
- Designed for external use allowing more crimps compared to standard lugs and are especially good for high vibration situations
- CABAC Crimpers: K9, K06, HT51, HT131LN-C, B51, B135LN-C



LONG PALM LONG BARREL LUGS

- To fit cable size 16mm² – 630mm². Designed to prevent water ingress. The barrel is internally silver soldered at the palm.
- CABAC Crimpers: K9, K06, HT51, HT131LN-C, B51, B135LN-C



HEAVY DUTY LONG PALM LUGS

- To fit cable size 25mm² – 185mm². Designed for use in hazardous and fault current applications requiring a robust connector.
- CABAC Crimpers: K9, K06, HT51, HT131LN-C, B51, B135LN-C



SWITCHGEAR CONNECTORS

- To fit cable size 16mm² – 300mm²
- Designed for terminating copper conductors onto a 12mm switchgear stem.
- CABAC Crimpers: HT131LN-C, B135LN-C



CRIMP LUGS

- To fit cable size 16mm² – 1000mm²
- Designed for terminating stranded sector and circular stranded aluminium conductors to copper busbar
- CABAC Crimpers: HT131LN-C, B135LN-C



REVERSE LUGS

- To fit cable size 25mm² – 300mm²
- Designed to terminate a copper conductor to aluminium busbar
- CABAC Crimpers: HT131LN-C, B135LN-C



SOLID SECTOR 4 CORE LUGS

- To fit cable size 120mm² – 240mm²
- Designed for terminating solid sector aluminium conductors
- CABAC Crimpers: HT131LN-C, B135LN-C



ROUND BARREL SOLID SECTOR LUGS

- To fit cable size 185mm² – 240mm²
- Designed for terminating a solid aluminium conductor using conventional hex crimp dies
- CABAC Crimpers: HT131LN-C, B135LN-C



REDUCING LINKS

- To fit cable size 6mm² – 630mm²
- Designed for linking stranded sector and circular stranded aluminium to stranded copper
- CABAC Crimpers: K06, HT131LN-C, B135LN-C



CUSTOM LUG – TRACTION MOTOR LUG SINGLE PALM

- To fit cable size 70mm² – 185mm²
- Designed for use on locomotive, carriage and tram wheel motors



CUSTOM LUG – TRACTION MOTOR LUG BANJO STYLE

- To fit cable size 162mm²
- Designed for use on locomotive, carriage and tram wheel motors



STALK LUGS

- To fit cable size 6mm² – 630mm²
- Designed for terminating stranded sector and circular stranded aluminium conductors
- CABAC Crimpers: HT131LN-C, B135LN-C



SWITCHGEAR CONNECTORS

- To fit cable size 16mm² – 300mm²
- Designed for terminating aluminium conductors onto a 12mm copper switchgear stem
- CABAC Crimpers: HT131LN-C, B135LN-C



PRE-INSULATED ABC LUGS

- To fit cable size 50mm² – 150mm²
- Designed for connecting aerial bundled cable conductors to transformers and switchgear on the pole top
- CABAC Crimpers: HT131LN-C, B135LN-C



3 & 4 CORE LINKS

- To fit cable size 25mm² – 300mm²
- Designed to link solid sector aluminium conductors to circular copper conductors
- CABAC Crimpers: HT131LN-C, B135LN-C



LONG PALM LONG BARREL LUGS

- To fit cable size 40mm² – 240mm². Designed for terminating CCT aluminium conductors to copper busbar. CABAC Crimpers: HT131LN-C, B135LN-C



CUSTOM LUG – C TYPE CLAMP ALUMINIUM EARTHING LUG

- To fit cable size 150mm²
- Designed for use with a C-Type clamp for earthing or bypass systems



CUSTOM LUG - DOUBLE BARREL COPPER LUG

- To fit cable size 95mm² - 150mm²
- Designed for T-off to a busbar



CABAC's Unique cold forging process produces a hardened, accurate barrel bore without porosity that is critical to successful crimping (that cannot be achieved with cast process). Our cold forge process allows us to use 99.6% pure Aluminium providing superior electrical conductivity that cannot be achieved with cast or tubular alternatives. The barrel is then chemically treated to reduce contact resistance and corrosion. CABAC provides the widest range of type tested and NATA certified lugs to Australian and New Zealand specification.

CRIMP LUGS

- To fit cable size 10mm² – 1000mm²
- Designed for terminating stranded sector and circular stranded aluminium conductors
- CABAC Crimpers: HT131LN-C, B135LN-C



CCT LUGS

- To fit cable size 40mm² – 180mm²
- Designed for terminating CCT aluminium overhead conductor with bonded polyethylene coating
- CABAC Crimpers: HT131LN-C, B135LN-C



SOLID SECTOR LUGS

- To fit cable size 35mm² – 300mm²
- Designed for terminating three and four core solid sector aluminium conductors in underground cables
- CABAC Crimpers: B135LN-C



SECTOR SHAPED ROTATING BARREL LUG

- To fit cable size 240mm² – other sizes on request
- Designed for terminating four core sector conductors with rotating palm for easy positioning
- CABAC Crimpers: B135LN-C



BOLTED LUGS

- To fit cable size 70mm² – 300mm²
- Designed for bolting to the conductor eliminating the need for crimp tools



BOLTED LUGS FOR URD

- To fit cable size 95mm² – 240mm²
- Designed for terminating underground aluminium cable conductors in residential distribution pillars



FULL TENSION SLEEVES – "A" STYLE

- Sleeves to link AAC and AACC conductors.
- Copper full tension sleeves are also available
- CABAC Crimpers: HT131LN-C, B135LN-C



BOLTED STALK LUGS

- To fit cable size 70mm² – 300mm²
- Designed for bolting to the conductor eliminating the need for crimp tools



BOLTED LINKS

- To fit cable size 70mm² – 300mm²
- Designed for bolting to conductors using sheer bolts eliminating the need for crimp tools



BARRIER LINKS

- To fit cable size 6mm² – 800mm²
- Designed for linking like size aluminium conductors
- CABAC Crimpers: HT131LN-C, B135LN-C



STALK LUGS

- To fit cable size 6mm² – 630mm²
- Designed for terminating stranded sector and circular stranded aluminium conductors into tunnel connectors
- CABAC Crimpers: HT131LN-C, B135LN-C



REDUCING LINKS

- To fit cable size 6mm² – 630mm²
- Designed for linking different size aluminium conductors
- CABAC Crimpers: HT131LN-C, B135LN-C



CUSTOM LUG – BOLTED COPPER SWITCHGEAR LUG

- Designed for terminating 40mm² diameter solid copper conductors
- Excepts a 40mm diameter solid conductor



LOOKING FOR THE **RIGHT CRIMPER** FOR A JOB?
Try our new online lugs & cable guide visit cabac.com/cabac.co.nz

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