



HYDRAULICS TOOLS

ELECTRICALS CONNECTIONS

**DUBUIS CATALOG**

CUTTING | CRIMPING | OTHER APPLICATIONS

D25



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The company's outside facade

## EDITORIAL



# THE DUBUIS COMPANY

DUBUIS, a small business employing 72 people.

**It designs, manufactures and markets  
a wide range of manual & battery  
powered hydraulic products for the  
electrical industry, railway, sanitary  
and aeronautic markets.**

DUBUIS takes care about tools manufacturing "Made in France", and leans on local subcontractors to get all the flexibility and reactivity for production. The Research & Development and Production activities are integrated in the plant located in Blois, ensuring the know-how control and products quality.

Recognized for its innovative capabilities, over 1000 customers have placed their trust in DUBUIS. DUBUIS markets its hydraulic tooling in France but also over more than 35 foreign countries, livening up long-term partnerships.

Located since 1949 in Blois, in the Loire Valley with its Châteaux, DUBUIS is 1h30 South from Paris, accessible by the A10 motorway or by TGV (high speed train).



FABRIQUÉ  
EN FRANCE



Former company premises

# HISTORY

Created in 1949 by Mr Maurice Dubuis, DUBUIS is a precision engineering company specialized in the aeronautic and the military industry. DUBUIS then capitalized its knowledge and expertise to diversify by creating its own products and distributing them in France and on International markets.

In 2001, DUBUIS joined the FACOM Tools Group, where is the center of expertise in precision engineering and hydraulics.

In 2006, the STANLEY Group bought FACOM Tools and a close synergy was set up with DUBUIS: to develop the sales of DUBUIS tools in US markets and to make DUBUIS the European leader of STANLEY tools for the railway sector.

**Creating of the company**  
by M. DUBUIS.  
**1949**

**Diversification** into other  
industrial sectors.  
**1970**

Development of the **D30**  
crimping tool.  
**1984**

Launching of the **railway**  
**product range.**  
**1991**

Creation of hydraulic tools  
for the **plumbing & sanitary**  
**segment.**  
**1993**

Creation of the **12 V battery**  
**operated tool range.**  
**1994**

The company teams up WITH  
**FACOM**  
**2001**

Creation of the **14.4 V & 18 V**  
**battery operated tools range.**  
**2002**

The new **D36** model  
is released.  
**2005**

Integration in the  
**StanleyBlock&Decker** Group.  
**2006**

**The first inline battery**  
**operated tool** is released.  
**2008**

**The Stanley Hydraulic Europe**  
**division** is set up.  
**2011**

The **NEOELEC™ 18 V Li-Ion** tools  
range and the **Stanley Hydraulic**  
tools range are launched.  
**2012**

The **Stanley "V series"** is  
launched:  
– **BGH**, hydraulic power pack.  
– **BPE**, battery-operated tools.  
**2014-2015**

Launch of the **PMTXX** for  
installing **earth bonds**,  
**2016**

Launch of the **battery-operated**  
**rail drill DP4CC**  
**2021**

Launch of the **BTEMXX** battery-  
operated earth bond installation  
tool  
**2022**

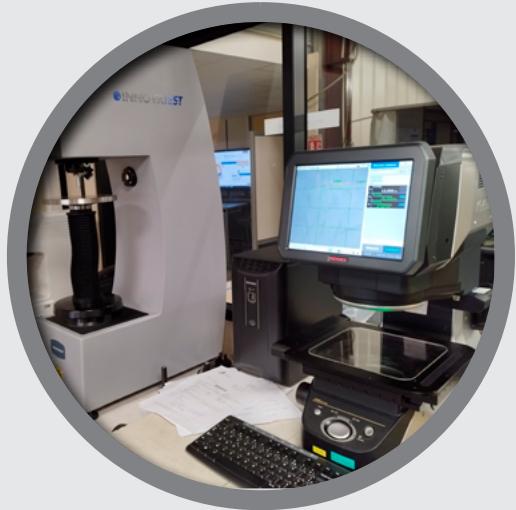
Launch of the **Multitool** range  
**2023**

Launch of the **BGH702 with its**  
**bolt-cutter tool** for removing the  
asbestos roof panel  
**2023**

Acquired by **EPIROC** group  
**2024**

# QUALITY

**Quality, safety and protection of the environment are fundamental to our company. For this reason, we train and inform our staff and suppliers on our requirements and we ensure that these matters are taken into account at all levels, without compromise.**



*Inspection department*



Our ISO 9001, EN 9100, ISO 14001 and ISO 45001 certifications along with our CSR label perfectly illustrate our determined approach to continuous improvement, compliance with regulations and with our customers' requirements.



*Inspection department*

Therefore, **DUBUIS** is a committed and responsible industrial player, whose mission is to take care of its **Employees** by guaranteeing them good working conditions and proper training, to take care of the **planet** by preserving the habitability of our environment, and to look after its **customers** by offering them a range of high-performance, durable, repairable and safe products

# RESEARCH & DEVELOPMENT

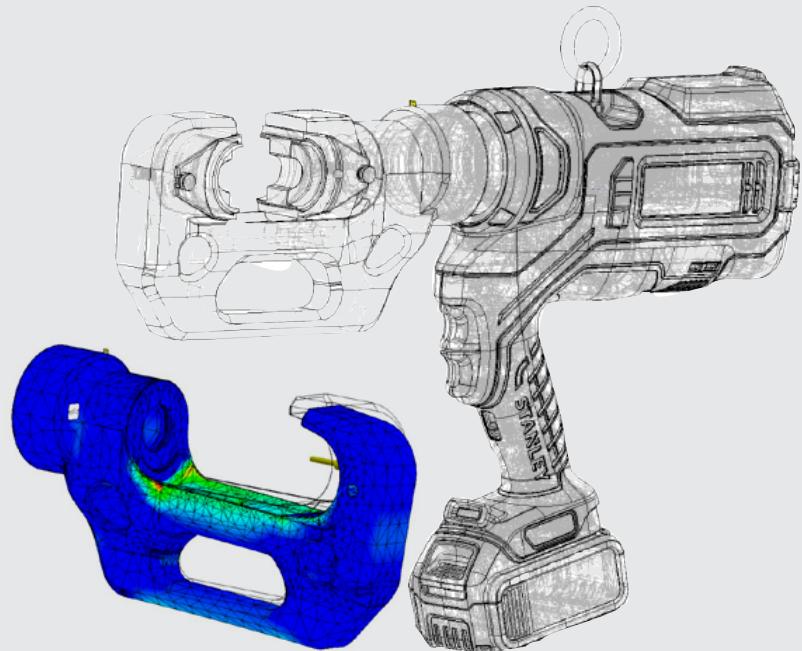
In an ever-more competitive industrial world, Research & Development is of strategic importance. Six engineers work in this team to innovate and satisfy the needs of our customers.

We are constantly at the cutting edge of technology, with our 3D design and finite element calculation resources underpinning the design and development of increasingly powerful, lightweight, ergonomic and innovative tools.

Tool qualification also involves a series of tests such as operation in severe environments, impact and drop tests, testing in the field, etc. This approach ensures that our products are reliable.

In compliance with the applicable standards and directives, and through ongoing research into new materials, the Design Office creates new concepts. Patents are filed every year to protect these skills.

Eco-designing is one of our company's values and strengths, along with a strong focus on designing parts that are interchangeable in our different series of tools, and on reusing bases shared with our existing concepts and associate companies. Right from the design stage, the materials are harmonized and chosen with care, the life cycles of our tools and parts (repairability, recycling, end-of-life) are determined by factoring in the impact of subcontractors, transport and how they are used by professionals.



Head BPP1351 finite-element calculation



# INNOVATION



Tool on battery BPP1303

Dubuis currently bases its developments on **Lithium-Ion and flexvolt technology**, which it incorporates in its entire range of battery-operated electro-hydraulic tools. With this technology, the tools are fully managed by an electronic control board for optimum battery life.

To improve sustainability of our tools over time, a **surface treatment** by Nickel-Phosphorous auto-catalytic plating (white zinc-plated appearance) is applied to the heads, bodies and other main parts of the hydraulic circuit. This new coating is more robust to climatic conditions by eliminating oxidation, while retaining the mechanical properties of the parts and machining precision. This surface treatment is also applied to our die sets for greater longevity.

# PRODUCTION

Our technicians are all qualified and experienced: approved to carry out self-checks and responsible for managing the tools at their workstation, they safeguard the quality of our products.

The production machinery is geared to small and medium production runs, and to different types of machining. By integrating the various machining operations within the company and managing production using a "one-piece flow" concept, we can deliver a high level of flexibility and responsiveness.

- CNC LATHE AND MILLING CENTERS
- ELECTRO-EROSION
- GRINDING
- ELECTRO-CHEMICAL PROCESS
- HEAT TREATMENT
- ASSEMBLY
- TESTING



Five-axis machining center

Hydraulic bodies



Mechanical parts





Field service vehicle

## AFTER-SALES SERVICE

The role of the after-sales service is mainly to repair tools as rapidly as possible and in the best conditions, as well as to provide customer care and technical assistance.

The after-sales service analyses the maintenance operations to study, in collaboration with the various technical departments, any improvements that could be made to the products.

In 2014, Dubuis created a "Field After-Sales Service" team. This team can visit your region on request.

To make an appointment or request a quotation, please contact Mr. Girardeau on **+33(0)2 54 52 40 20, or +33(0)7 85 56 98 66** or via e-mail: [damien.girardeau@epiroc.com](mailto:damien.girardeau@epiroc.com)

## TRAINING

DUBUIS organizes technical and sales training courses for its customers and key partners on its hydraulic tools and its other product ranges. The aim of these training courses is to provide support for tool sales, through a deeper understanding of the advantages of our products and their marketing potential. These seminars are designed to ensure that we remain attuned to our customers' needs at all times.

# SALES

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AND E-MAIL  
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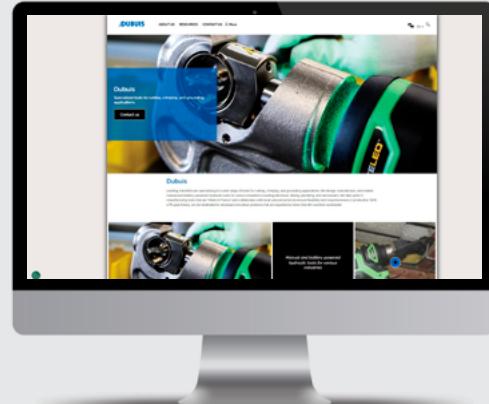
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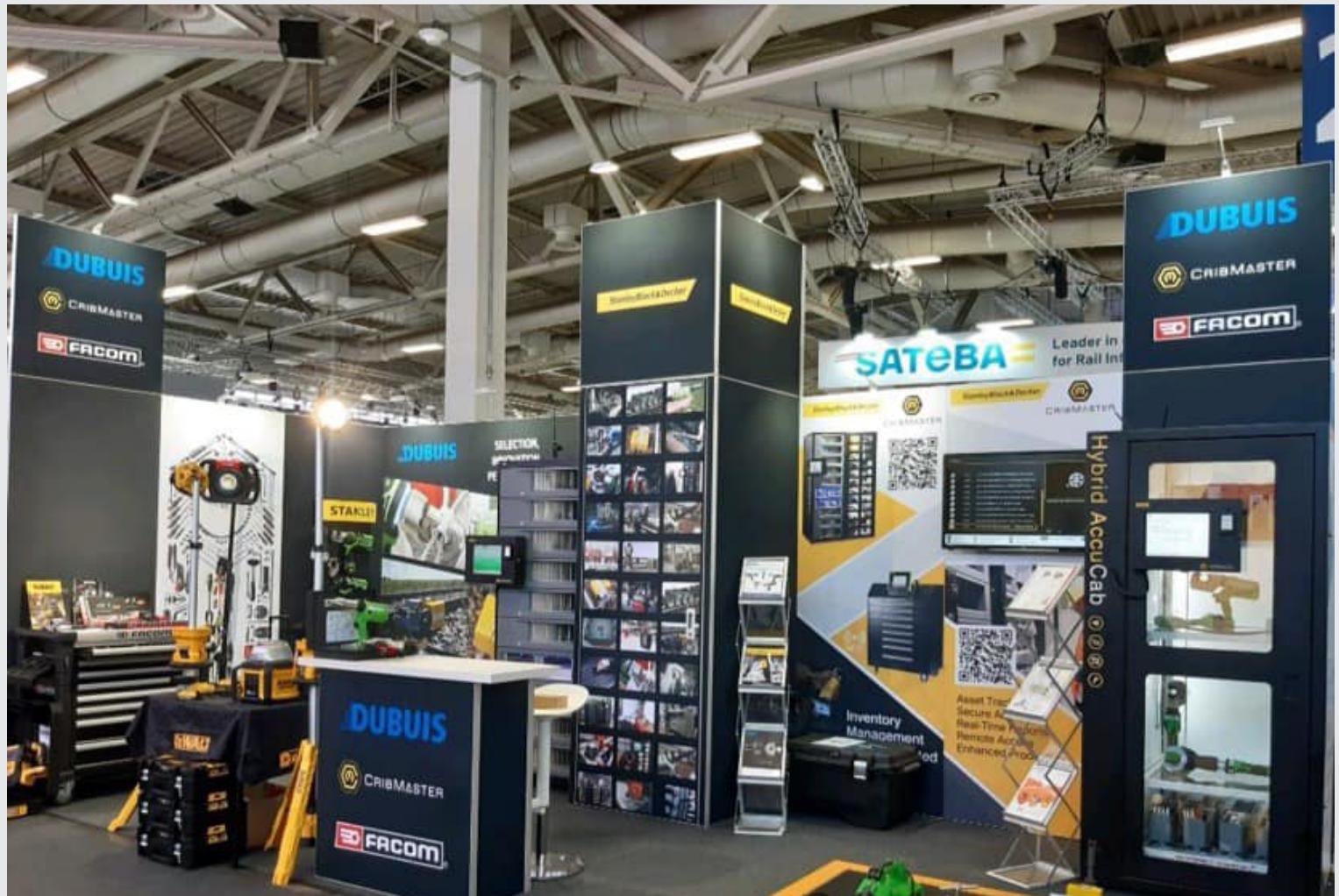
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# TRADE SHOWS

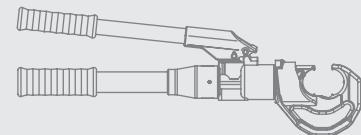
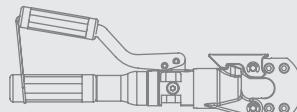
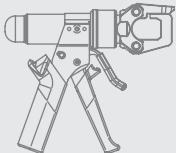
> Every year, DUBUIS takes part in numerous trade shows in France and abroad, with our international distributors.



The company's stand at the InnoTrans RailRoad & Transport Technology show -  
Berlin, Germany - September 2023



# STRONG, RELIABLE & ERGONOMIC

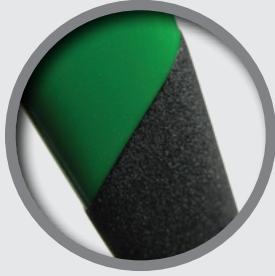


## PISTON RETURN

By release lever

By release lever  
(located on the fixed handle).

By release lever  
(located on the moveable handle).  
Handle rotation & closing.



## TWO-COLOR, NON-SLIP FINISH

## ERGONOMIC HANDLES

## INSULATING HANDLES



## 180° ROTATIVE HEAD

Can be used in every position.



## INTERCHANGEABLE DIE SETS

Simple or reversible.



## AUTOMATIC RELEASE

At set pressure.  
> Audible click

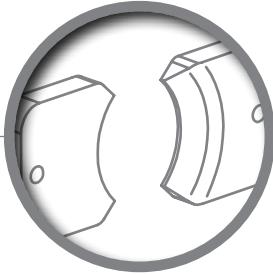


# HYDRAULIC HAND TOOLS

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**LOCK**

To open and close  
the head quickly.



**SNCF MCL025G APPROVAL № IPM 04145**

# MCL025G-26G

## HYDRAULIC CABLE-CUTTER MANUAL GUILLOTINE TYPE

> P/N 36914-01 for the MCL025 Same force, stroke and capacity as the XCH025G tool and the BCE025G & BCL025G battery tools.

**NEW REINFORCED BLADES**

Extends blade service life (> special steel cutter).

**IDENTICAL BLADE & COUNTER-BLADE**

Facilitates cutting.

**INTERCHANGEABLE BLADES**

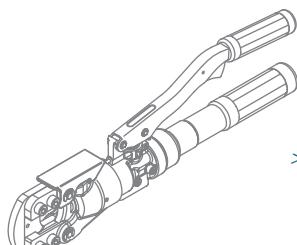
Easy to replace and use.

P/N 91298 square profile blade.

P/N 78502 standard blade.



Do not use on live cables.



> Version **MCL026** has a 2-speed hydraulic system (*cutting capacity identical to tool MCL025*).

**CABLE TYPES**  
copper, aluminum and steel

**MAX. DIAMETER**

**Ø 25 mm**

(depending on cables)

**FORCE**

55 kN

**DIMENSIONS** (L × w × h in mm)

380 × 60 × 140

**WEIGHT**

2.950 kg

**DIMENSIONS** (mm)

490 × 302 × 90

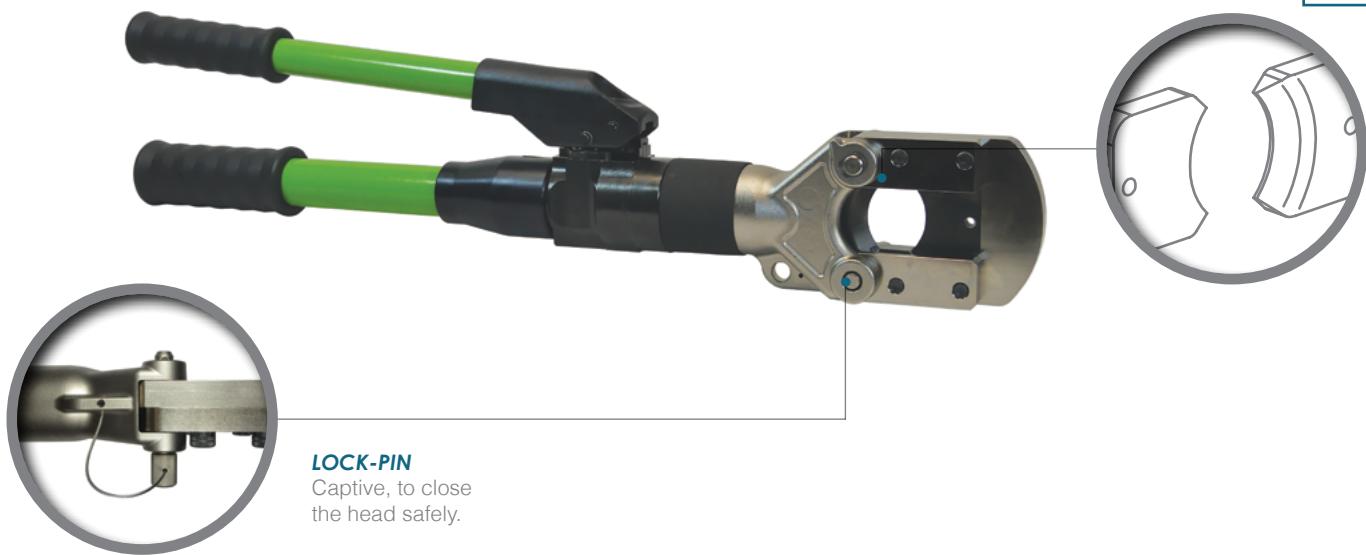
**WEIGHT**

1.300 kg

> Supplied with the tool P/N PB31866N

	<b>CABLE TYPES</b>	<b>MAX. HARDNESS</b>	<b>MAX. CUTTING Ø *</b>
<b>MULTI-STRAND CABLES</b>	7 × 19 strands – steel 7 × 37 strands – steel	100 > 120 daN/mm <sup>2</sup> 130 > 145 daN/mm <sup>2</sup>	Ø 15 > 16 mm Ø 12 > 13 mm
<b>ELECTRIC CABLES</b>	Bare – copper/aluminum Rigid multi-strand – copper/aluminum Semi-rigid multi-strand – copper/aluminum		300 mm <sup>2</sup> Ø 20 > 22 mm
<b>ROUND BARS</b>	Copper Hard copper Aluminum Mild steel Medium hard steel	< 20 daN/mm <sup>2</sup> 20 > 28 daN/mm <sup>2</sup> < 20 daN/mm <sup>2</sup> 42 > 45 daN/mm <sup>2</sup> 50 > 70 daN/mm <sup>2</sup>	Ø 20 > 22 mm Ø 15 > 18 mm Ø 20 > 25 mm Ø 12 > 14 mm Ø 10 mm
<b>INSULATED CABLES</b>	Depends on the thickness of insulation Stainless steel	< 150 daN/mm <sup>2</sup>	150 > 240 mm <sup>2</sup> Ø 8 > 10 mm

\* Other dimensions and cables to be validated by testing.



# MCL040G

## HYDRAULIC CABLE-CUTTER MANUAL GUILLOTINE TYPE

> Force, stroke and capacities identical to tool **XCH040G** and battery-operated tool **BCP040G**.



### REINFORCED BLADES / SPECIAL COATING

Lengthens the blades' service life (> steel cutter).



### IDENTICAL BLADE & COUNTER-BLADE

Facilitates cutting.



### INTERCHANGEABLE BLADES

Easy to replace. P/N 36052



### 2-SPEED HYDRAULIC SYSTEM

Reduces the number of pumping actions.



*Do not use on live cables.*

**CABLE TYPES**  
copper, aluminum and steel

**MAX. DIAMETER**  
**Ø 40 mm**  
(depending on cables)



### FORCE

88 kN

### DIMENSIONS (L x w x h in mm)

645 x 85 x 165

### WEIGHT

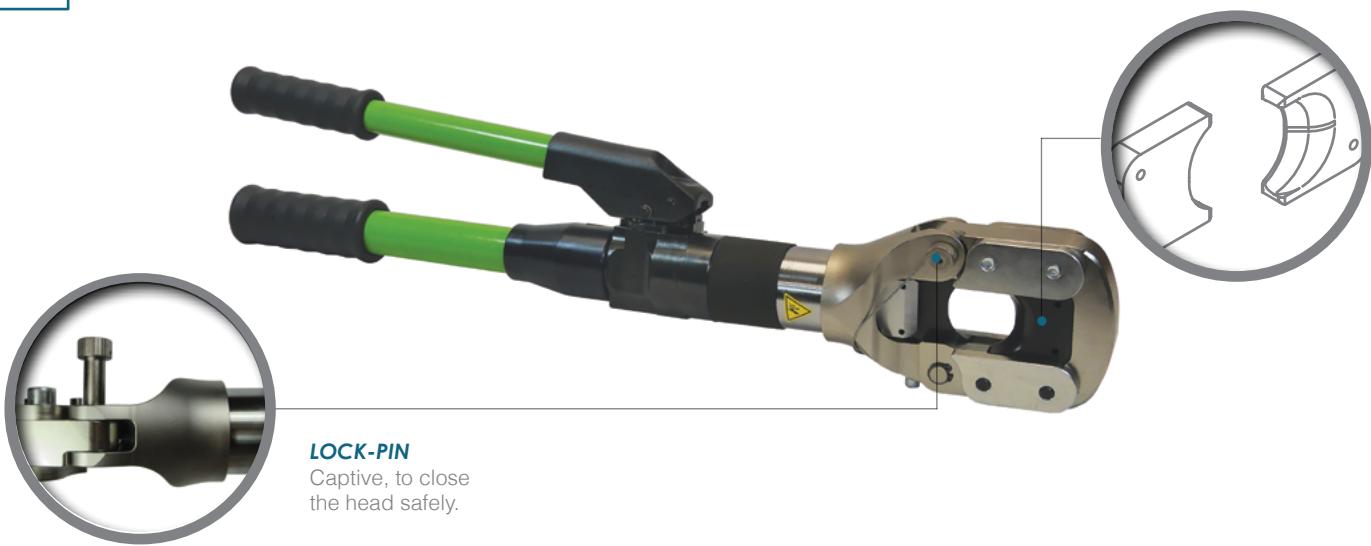
6.250 kg



**CANVAS BAG** – Supplied with the tool.

	<b>CABLE TYPES</b>	<b>MAX. HARDNESS</b>	<b>MAX. CUTTING Ø (mm) *</b>
<b>CABLES</b>			
	Copper	< 40 daN/mm <sup>2</sup>	Ø 32 (630 mm <sup>2</sup> )
	Aluminum	< 20 daN/mm <sup>2</sup>	Ø 40
	Almelec	< 34 daN/mm <sup>2</sup>	Ø 40
	Steel	< 180 daN/mm <sup>2</sup>	7 x Ø 3.0 (= Ø 9.0) 19 x Ø 2.1 (= Ø 10.5) 19 x Ø 2.3 (= Ø 11.5)
	Multi-strand steel	< 180 daN/mm <sup>2</sup>	Ø 18 (number of strands: 200)
	ACSR	< 180 daN/mm <sup>2</sup>	26 x Ø 2.50 + 7 x Ø 1.95 (= Ø 15.85) 26 x Ø 3.06 + 7 x Ø 2.38 (= Ø 19.38) 26 x Ø 3.60 + 7 x Ø 2.80 (= Ø 22.80) 54 x Ø 3.50 + 19 x Ø 2.10 (= Ø 31.50)
<b>BARS</b>			
	Steel	< 60 daN/mm <sup>2</sup>	Ø 18
		< 42 daN/mm <sup>2</sup>	Ø 20
	Copper	< 30 daN/mm <sup>2</sup>	Ø 30
		< 25 daN/mm <sup>2</sup>	Ø 32
	Aluminum	< 16 daN/mm <sup>2</sup>	Ø 40

\* Other dimensions and cables to be validated by testing.



# MCL045G

## HYDRAULIC CABLE-CUTTER MANUAL GUILLOTINE TYPE

> Force, stroke and capacities identical to tool **XCH045G** and battery-operated tool **BCP045G**.



- REINFORCED BLADES | SPECIAL COATING**  
Lengthens the blades' service life (> steel cutter).
- IDENTICAL BLADE & COUNTER-BLADE**  
Facilitates cutting.
- INTERCHANGEABLE BLADES**  
Easy to replace. P/N 78507
- ROTATIVE HEAD**  
220°.

Do not use on live cables.

**CABLE TYPES**  
steel, stainless steel, ACSR,  
aluminum and copper

**MAX. DIAMETER**  
**Ø 45 mm**  
(depending on cables)



<b>FORCE</b>	130 kN
<b>DIMENSIONS</b> (L x w x h in mm)	680 x 66 x 180
<b>WEIGHT</b>	7.300 kg

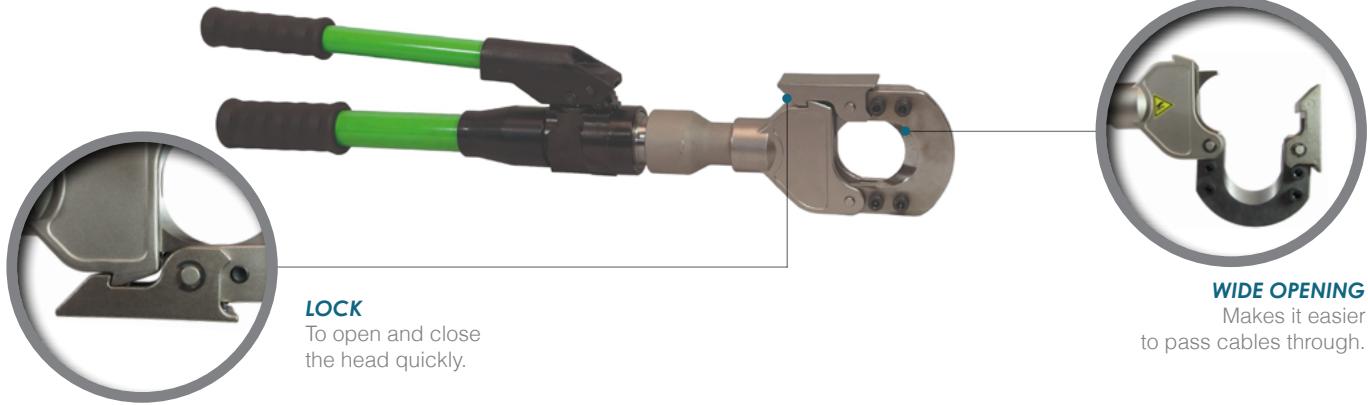


**CANVAS BAG** – Supplied with the tool.

### MAX. CUTTING CAPACITIES

\* Other dimensions and cables to be validated by testing.

	<b>CABLE TYPES</b>	<b>MAX. HARDNESS</b>	<b>max. CUTTING Ø(mm) *</b>
<b>CABLES</b>	Copper	< 40 daN/mm <sup>2</sup>	Ø 45
	Aluminum	< 20 daN/mm <sup>2</sup>	Ø 45
	Almelec	< 34 daN/mm <sup>2</sup>	Ø 45
	Steel	< 180 daN/mm <sup>2</sup>	7 x Ø 3.0 (= Ø 9.0) 19 x Ø 2.1 (= Ø 10.5) 19 x Ø 2.3 (= Ø 11.5)
	Multi-strand steel	< 180 daN/mm <sup>2</sup>	Ø 18 (number of strands: 200)
<b>BARS</b>	ACSR	< 180 daN/mm <sup>2</sup>	26 x Ø 2.50 + 7 x Ø 1.95 (= Ø 15.85) 26 x Ø 3.06 + 7 x Ø 2.38 (= Ø 19.38) 26 x Ø 3.60 + 7 x Ø 2.80 (= Ø 22.80) 54 x Ø 3.50 + 19 x Ø 2.10 (= Ø 31.50) 54 x Ø 4.36 + 19 x Ø 2.62 (= Ø 39.20)
	(Aluminum Conductor Steel Reinforced)		
	Stainless steel		<b>&gt; Please contact us.</b>
	Steel	< 60 daN/mm <sup>2</sup>	Ø 20
		< 42 daN/mm <sup>2</sup>	Ø 22
	Copper	< 30 daN/mm <sup>2</sup>	Ø 33
		< 25 daN/mm <sup>2</sup>	Ø 35
	Aluminum	< 16 daN/mm <sup>2</sup>	Ø 45



# MCL055G

## HYDRAULIC CABLE-CUTTER MANUAL GUILLOTINE TYPE

> Force, stroke and capacities identical to tool **XCH055G** and battery-operated tool **BCP055G**.



### NEW COUNTER-BLADE

Reduces cable deformation when cutting.



### TAPERED BLADE & COUNTER-BLADE PROFILE

Facilitates cutting (> copper and aluminum cables).  
P/N 38000 (blade); P/N 38001 (counter-blade).



### LIGHT & POWERFUL TOOL

> See cutting capacities.



### 2-SPEED HYDRAULIC SYSTEM

Less pumping action required.



Do not use on live cables.

**CABLE TYPES**  
copper and aluminum

**MAX. DIAMETER**  
**Ø 55 mm**



**FORCE**

43 kN

**DIMENSIONS** (L x w x h in mm)

560 x 55 x 140

**WEIGHT**

5.300 kg

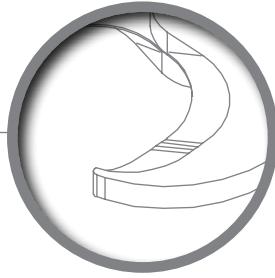


**CANVAS BAG** – Supplied with the tool.

### CUTTING CAPACITIES

\* Other dimensions and cables to be validated by testing.

	<b>CABLE TYPES</b>	<b>MAX. HARDNESS</b>	<b>CROSS-SECTIONS</b>	<b>MAX. CUTTING Ø *</b>
<b>CABLES</b>	Multi-strand copper		4 x 185 mm <sup>2</sup> or 630 mm <sup>2</sup> max.	
	Aluminum underground		3 x 240 + 1 x 95 mm <sup>2</sup>	Ø 51 mm
	Telephone			Ø 55 mm
<b>BARS</b>	Round annealed copper	< 20 daN/mm <sup>2</sup>		Ø 16-18 mm
	Round annealed aluminum (A5)	< 16 daN/mm <sup>2</sup>		Ø 20-25 mm



# MCL065C

NEW

## HYDRAULIC CABLE-CUTTER MANUAL SHEARS TYPE

> Force, stroke and capacities identical to tool **XCH065C**  
and battery-operated tool **BCP065C**.



### SHEARS TYPE

To cut cables in confined areas  
(> direct access, without closing the head).



### ERGONOMIC HANDLE

For transport and a secure grip on the tool.



### IDENTICAL BLADES

Facilitates cutting. P/N 78441



### ROTATIVE HEAD

180°.



Do not use on live cables.

### CABLE TYPES

copper and  
aluminum

### MAX. DIAMETER

**Ø 65 mm**



### DIMENSIONS (L x w x h in mm)

700 x 95 x 195

### WEIGHT

6.250 kg



**CANVAS BAG** – Supplied with the tool.

### MAX. CUTTING CAPACITIES \*

#### COPPER CABLE

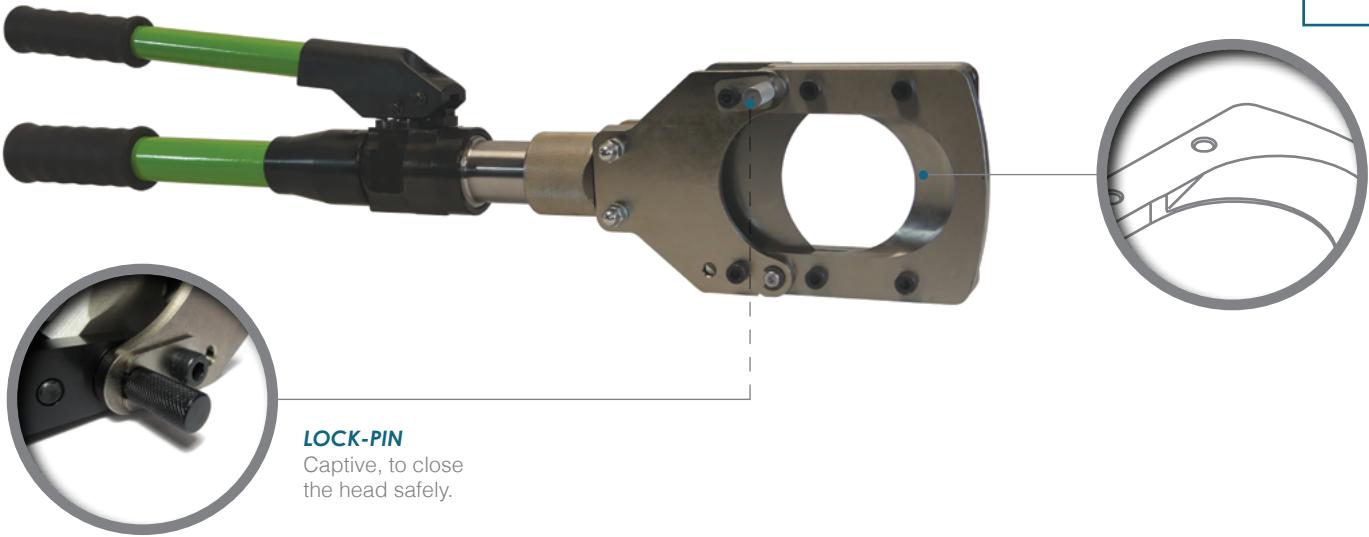
Ø 65 mm

#### ALUMINUM CABLE

Ø 65 mm

Can cut aluminum or copper cables reinforced with steel strapping.

\* Other dimensions and cables to be validated by testing.



# MCL085G

## HYDRAULIC CABLE-CUTTER MANUAL GUILLOTINE TYPE

> Force, stroke and capacities identical to tool **XCH085G** and battery-operated tool **BCP085G**.



### NEW COUNTER-BLADE

Reduces cable deformation when cutting.



### TAPERED BLADE & COUNTER-BLADE PROFILE

Facilitates cutting (> copper and aluminum cables).  
P/N 37016 (blade); P/N 37010 (counter-blade).



### 2-SPEED HYDRAULIC SYSTEM

Less pumping action required.



Do not use on live cables.



### WIDE OPENING

Makes it easier to pass cables through.

**CABLE TYPES**  
copper and aluminum

**MAX. DIAMETER**  
**Ø 85 mm**



### FORCE

70 kN

### DIMENSIONS (L x w x h in mm)

745 x 72 x 190

### WEIGHT

7.400 kg



**CANVAS BAG** – Supplied with the tool.

### CUTTING CAPACITIES

#### CABLE TYPES

#### MAX. CABLE Ø\*

**UNDERGROUND INSULATED ALUMINUM CABLES**

3 x 240 mm<sup>2</sup> + 1 x 95 mm<sup>2</sup>

1 x 630 mm<sup>2</sup> > 800 mm<sup>2</sup>

**COPPER CABLES**

630 mm<sup>2</sup>

**TELEPHONE CABLES**

Ø 85 mm

\* Other dimensions and cables to be validated by testing.

**QUICK OPENING & CLOSING**

Easy to replace  
die sets.



# MPP031

## HYDRAULIC PRESS FOR MANUAL CRIMPING

> P/N 34915.

Force, stroke and capacities identical to battery-operated tools  
**BPE031 & BPL031.**

**THE MOST COMPACT TOOL ON THE MARKET**

Ideal for crimping LV/MV lugs.

**NARROW HEAD**

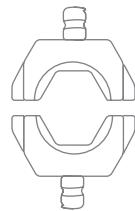
To work in switchboards.

**LIGHT & ERGONOMIC**

One hand crimping just one hand.



*Do not use on live cables.*

**DIE SETS – See PAGE 137.**

> Common interchangeable die sets for  
**MPP031, BPE031 & BPL031** tools.

**STROKE**

8 mm

**FORCE**

35 kN

**DIMENSIONS (L × w × h in mm)**

200 × 50 × 175

**WEIGHT**

1.320 kg

**APPLICATIONS****CROSS-SECTIONS**

⦿ Copper lugs and sleeves – NFC 20-130	4 > 95 mm <sup>2</sup>
⦿ Bare or pre-insulated copper/alu. sleeves – EDF	E54 > E173
⦿ Copper/aluminum lugs and sleeves – DIN 48083	KZ4 > KZ18
⦿ C-shaped connectors	C6 > C16
⦿ Copper lugs and sleeves – NFC 20-130	10 > 70 mm

**DIMENSIONS (mm)**

350 × 260 × 85

**WEIGHT**

0.700 kg

> Supplied with the tool.



**QUICK OPENING & CLOSING**

Easy to replace  
die sets.



# MPP036

## HYDRAULIC PRESS FOR MANUAL CRIMPING

&gt; P/N 34914.

Force, stroke and capacities identical to battery-operated tools  
**BPE036 & BPL036.**

**THE MOST COMPACT TOOL ON THE MARKET**

Ideal for crimping LV/MV lugs.

**EXTREMELY DURABLE ALUMINUM FORK**

Force: 35 kN.

**LIGHT & ERGONOMIC**

One hand crimping.



*Do not use on live cables.*

**DIE SETS – See PAGE 137.**

> Common interchangeable die sets for  
**MPP36, BPE036 & BPL036** tools.

**HEXAGONAL CRIMPING**

$4 > 150 \text{ mm}^2$

**STROKE**

8 mm

**FORCE**

35 kN

**DIMENSIONS (L x w x h in mm)**

215 x 50 x 175

**WEIGHT**

1.360 kg

**APPLICATIONS****CROSS-SECTIONS**

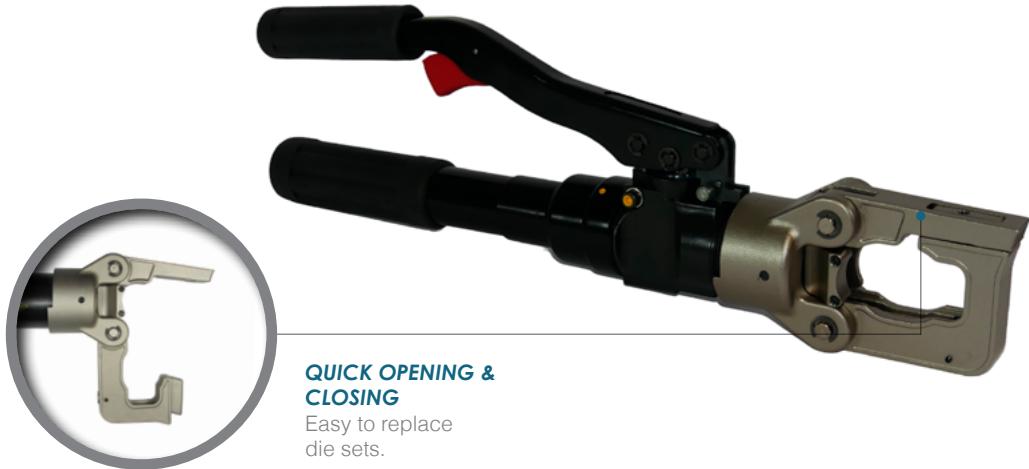
▢	Copper lugs and sleeves – NFC 20-130	$4 > 150 \text{ mm}^2$
▢	Bare or pre-insulated copper/alu. sleeves – EDF	E54 > E215
▢	Copper/aluminum lugs and sleeves – DIN 48083	KZ4 > KZ22
▢	C-shaped connectors	C6 > C16
▢	Pre-rounding	$10 > 120 \text{ mm}^2$
▢	Copper lugs and sleeves – NFC 20-130	$10 > 95 \text{ mm}^2$



**DIMENSIONS (mm)** 350 x 260 x 85

**WEIGHT** 0.700 kg

> Supplied with the tool.



## MPL051-52

### HYDRAULIC PRESS FOR MANUAL CRIMPING

> P/N 31931-DUB for the MPL051

Force, stroke and capacities identical to tool XD51 and battery-operated tools BPE055 & BPL055.



#### BALL HEAD DOWEL

Can accommodate 38 mm (DUBUIS) or 30 mm (other manufacturers) wide die sets.

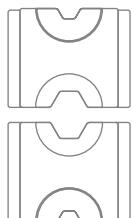


#### INTERCHANGEABLE DIE SETS

Simple or reversible.



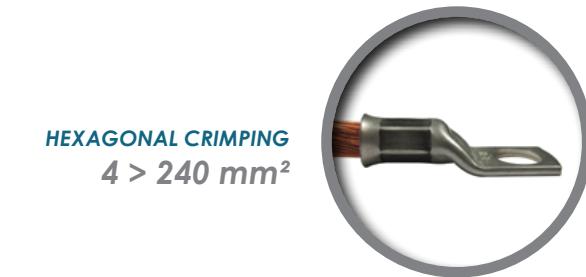
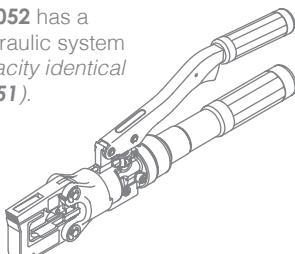
Do not use on live cables.



#### DIE SETS – See PAGE 137.

> Common interchangeable die sets for MPL051, XD51, BPE055 & BPL055 tools.

> Version **MPL052** has a 2-speed hydraulic system (cutting capacity identical to tool **MPL051**).



<b>STROKE</b>	13 mm
<b>FORCE</b>	55 kN
<b>DIMENSIONS</b> (L x w x h in mm)	380 x 65 x 140
<b>WEIGHT</b>	2.500 kg

#### APPLICATIONS

◆ Copper lugs and sleeves – NFC 20-130	4 > 240 mm <sup>2</sup>
◆ Bare or pre-insulated copper/alu. sleeves – EDF	E54 > E215
◆ Copper/aluminum lugs and sleeves – DIN 48083	KZ6 > KZ32
◆ C-shaped connectors	C6 > C35
◆ Pre-rounding	6 > 240 mm <sup>2</sup>
◆ Copper lugs and sleeves – NFC 20-130	10 > 120 mm <sup>2</sup>

#### CROSS-SECTIONS



**DIMENSIONS** (mm) 490 x 302 x 90

**WEIGHT** 1.300 kg

> Tray for 12 die sets.

> Option: P/N PB31866N

**QUICK OPENING & CLOSING**Easy to replace  
die sets.**SNCF APPROVED  
MPL062****HYDRAULIC PRESS  
FOR MANUAL CRIMPING**

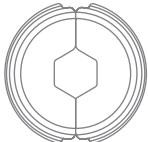
> Force, stroke and capacities identical to tool **XD62** and battery-operated tools **BPE062, BPL062 & BPP062**.

**COMPATIBLE DIE SETS**With **80 kN & 130 kN** ranges.**2-SPEED HYDRAULIC SYSTEM**

Less pumping action required.



Do not use on live cables.

**DIE SETS – See PAGE 137.**

> Common interchangeable die sets for  
**MPL062, XD62, BPE062, BPL062 & BPP062** tools.

**HEXAGONAL CRIMPING  
 $6 > 300 \text{ mm}^2$** **STROKE**

13 mm

**FORCE**

62 kN

**DIMENSIONS (L x w x h in mm)**

420 x 53 x 150

**WEIGHT**

2.950 kg

**APPLICATIONS****CROSS-SECTIONS**

Copper lugs and sleeves – NFC 20-130

 $6 > 300 \text{ mm}^2$ 

Bare or pre-insulated copper/alu. sleeves

E54 &gt; E260

Copper/aluminum lugs and sleeves – DIN 48083

KZ6 &gt; KZ34

"C" connectors

C10 &gt; C50

Pre-rounding

 $25 > 240 \text{ mm}^2$ **DIMENSIONS (mm)** 490 x 302 x 90**WEIGHT** 1.300 kg

&gt; Tray for 7 die sets.

&gt; Option: P/N PB31866N



## MPL080

### HYDRAULIC PRESS FOR MANUAL CRIMPING

> Force, stroke and capacities identical to battery-mounted tool **BPP080**.



#### 2-SPEED HYDRAULIC SYSTEM

Less pumping action required.

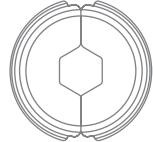


#### COMPATIBLE DIE SETS

on the **62 kN** ranges.



Do not use on live cables.



**DIE SETS** – See **PAGE 137**.

> Common interchangeable die sets for **D80 & BPP080 | MPL062, XD62, BPE062, BPL062 & BPP062** tools.



#### HEXAGONAL CRIMPING **6 > 300 mm<sup>2</sup>**



<b>STROKE</b>	13 mm
<b>FORCE</b>	80 kN
<b>DIMENSIONS</b> (L x w x h in mm)	535 x 57 x 175
<b>WEIGHT</b>	4.450 kg

#### APPLICATIONS

#### CROSS-SECTIONS

◆ Copper lugs and sleeves – NFC 20-130	6 > 300 mm <sup>2</sup>
◆ Copper/aluminum lugs and sleeves – DIN 48083	KZ6 > KZ34
◆ C-shaped connectors	C10 > C50
◆ Pre-rounding	25 > 240 mm <sup>2</sup>
◆ Bare or pre-insulated copper/aluminum sleeves	E54 > E280



<b>DIMENSIONS</b> (mm)	680 x 160 x 430
<b>WEIGHT</b>	3.600 kg

> Tray for 24 die sets.

> Option: P/N 85037



> Available with strokes **26, 38 & 44.**  
(Please contact us)



**MPL130-26 SYMBOL SNCF N° 7.393.4957**

# MPL130 -1 -3 -4 NEO

## HYDRAULIC PRESS FOR MANUAL CRIMPING

> Force, stroke and capacities identical to tool **XC130-xx** and battery-operated tools **BPE130 & BPP130x**.



Do not use on live cables.



### 2-SPEED HYDRAULIC SYSTEM

Less pumping action required.



### CRIMPING OF OVERHEAD LINES

Tool particularly well-suited for this application.

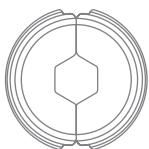


### FITTED WITH A MECHANICAL STOP

Piston stops at the end of the stroke.

STROKE	26 mm(-1)	38 mm(-3)	44 mm (-4)
FORCE	130 kN	130 kN	130 kN
DIMENSIONS (mm)	565 × 70 × 160	590 × 70 × 160	415 × 75 × 310
WEIGHT	5.30 kg	5.770 kg	7.280 kg

APPLICATIONS	CROSS-SECTIONS (-26)	CROSS-SECTIONS (-38)	CROSS-SECTIONS (-44)
Hexagonal lugs and sleeves – NFC 20-130	6 > 300 mm <sup>2</sup>	6 > 400 mm <sup>2</sup>	6 > 400 mm <sup>2</sup>
Bare or pre-insulated copper/aluminum sleeves. – EDF	E54 > E235	E54 > E280	E54 > E280
Copper/aluminum lugs and sleeves – DIN 48083	KZ6 > KZ28	KZ6 > KZ38	KZ6 > KZ38
C-shaped connectors	C10 > C120	C10 > C120	C10 > C70
Pre-rounding	50 > 300 mm <sup>2</sup>	50 > 300 mm <sup>2</sup>	50 > 300 mm <sup>2</sup>
Copper lugs and sleeves – NFC 20-130	10 > 240 mm <sup>2</sup>	10 > 240 mm <sup>2</sup>	10 > 240 mm <sup>2</sup>



### DIE SETS

See PAGE 137.

> Common interchangeable die sets for **C130-XX, XC130-XX, BPE130 & BPP130X** tools.



**DIMENSIONS** (mm) 680 × 160 × 430

**WEIGHT** 3.600 kg

> Tray for 24 die sets.

> Option: P/N 85037



# MPL130U

## HYDRAULIC HAND TOOL FOR DEEP INDENTING

> Force, stroke and capacities identical to tool **XH130** and battery-operated tool **BPP130U**.


**HEAD PER HN 68-S-90 (EDF specification)**

For underground lines (bimetallic lugs & sleeves).


**MAX. DIAMETER 34 mm**

In the head for large cross-sections.


**MECHANICAL STOP**

To stop the stroke.


**2-SPEED HYDRAULIC SYSTEM**

Less pumping action required.



Do not use on live cables.


**SETUP 1  
FOR INDENTING APPLICATION**

> See **PAGE 146**.


**STROKE**

26 mm

**MAX. DIAMETER**

34 mm

**FORCE**

130 kN

**DIMENSIONS (mm)**

560 × 80 × 165

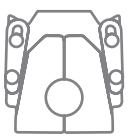
**WEIGHT**

4.850 kg


**SETUP 2  
FOR CRIMPING APPLICATION**

130-kN crimping die sets can be used in this tool with the **A12D2** adapter.

> See **PAGE 137**.



Opening die sets with built-in base



Indentor



Indentor holder PP130  
P/N **30842**



Adapter A12D2  
P/N **85880**



130 kN die sets

**DIE SETS – See **PAGE 146**.**

> Common interchangeable indentor and opening die sets for **H130**, **XH130** & **BPP130U** tools.



**DIMENSIONS (mm)** 680 × 160 × 430

**WEIGHT** 3.600 kg

> Tray for 24 die sets.

> Option: P/N 85037

> Cutting a steel cable with manual tool **CG40**.





**NEOELEC™**  
www.dubuis.com



# HYDRAULIC TOOLS

## NEOELEC™

**THE NEOELEC™ RANGE  
IS A NEW GENERATION  
OF HYDRAULIC TOOLS  
POWERED BY AN 18 V  
LITHIUM-ION BATTERY.**

CONSISTING OF FOUR TYPES OF TOOLS, EACH WITH THEIR OWN ADVANTAGES AND SPECIFIC FEATURES, THIS RANGE OFFERS A BROAD CHOICE OF CABLE-CUTTERS, CRIMPING PRESSES AND HYDRAULIC POWER PACKS.

ALL THE POWER TOOLS ARE APPROVED:





NEOELEC™

| BATTERY-OPERATED TOOLS | MULTITOOL TYPE

18V Li-Ion

NEW

# MULTITOOL

## HYDRAULIC TOOL



DEWALT BATTERY  
LI-ION 18 V, 2.0 OR 5.0 Ah  
LONGER BATTERY LIFE  
CHARGE INDICATOR



QUICK CONNECTION SYSTEM  
FOR ALL HEADS



WORK AREA  
LIT BY LED



Multitool head change

<https://sbd.deephaw.ai/p/suJ8uUgSijMiTY4j7WX>



### ECO-DESIGN

A base for several heads synonymous with reduced consumption of polluting materials



### ROBUST

Robust connection system

[www.dubuis.com](http://www.dubuis.com)



### HANDY, ERGONOMIC

Designed to meet different user constraints



TYPE

# MULTITOOL

## BATTERY-OPERATED

### HYDRAULIC TOOLS

<b>MULTITOOLS</b>		BPL063	<a href="#">page 32</a>
		BPP063	<a href="#">page 33</a>
		BPE063	<a href="#">page 34</a>

<b>MULTITOOL HEADS</b>		XPM062	<a href="#">page 35</a>		XPM130D	<a href="#">page 44</a>
		XGM025	<a href="#">page 36</a>		XDM041	<a href="#">page 45</a>
		XCM050	<a href="#">page 37</a>		XCMNUT	<a href="#">page 46</a>
		XHM062	<a href="#">page 38</a>		XGMTRC	<a href="#">page 47</a>
		XCMDIN	<a href="#">page 39</a>		XGMCAT	<a href="#">page 48</a>
		XCMSTRU	<a href="#">page 40</a>		XCMTRAY	<a href="#">page 49</a>
		XCM008	<a href="#">page 41</a>			
		XPM061	<a href="#">page 42</a>			
		XPM060F	<a href="#">page 43</a>			



# MULTITOOLS

<https://sbd.deephaw.ai/p/f96wmmkeQqjv7BgAN5BY>



Multitool inline BPL063



## NEOELEC™ BPL063

MULTITOOL, INLINE  
WITH 18 V BATTERY



> Just one tool for multiple functions.



### ROBUST

Reinforced plastic housing, suitable for working in the field, robust head connection.



### ELECTRONIC & MECHANICAL PROTECTION

To protect against overload and overheating.



### ERGONOMIC

360° rotative head, quick head change.



Do not use on live cables.

FORCE	62 kN
STOKE	38 mm
DIMENSIONS (L x w x h in mm. without head, with 2.0 Ah battery)	330 x 85 x 120
WEIGHT (with 5.0 Ah battery, without head)	2.500 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s <sup>2</sup>

### ACCESSORIES

Batteries, chargers, crimping heads, cutting heads, indenting head, special rail cutting head, die sets, blades, indentors, case.

-> please contact us.



**DCB184G-XJ:** 18 V Li-Ion 5.0 Ah batteries.

**DCB1104-QW:** 220 V 18 V Li-Ion charger.

110 V and 12 V charger available, please contact us.



**DIMENSIONS** (mm) 440 x 333 x 162

**WEIGHT** 3.8 kg

> Case, one battery and one charger supplied with the tool.

> Accessories **NEOELEC™**  
See **PAGE 98**.

**96814:** case for heads  
(option: without accessories).





<https://sbd.deephow.ai/p/NjbyFKCI6DlkY8vUsrRs>



BPP063 Multitool cut and crimp

## NEOELEC™ BPP063

### MULTITOOL 18 V BATTERY-OPERATED PISTOL

> Just one tool for multiple functions.

#### ROBUST

Reinforced plastic housing, suitable for working in the field, robust head connection.



#### ELECTRONIC & MECHANICAL PROTECTION

To protect against overload and overheating.



#### ERGONOMIC

360° rotative head, quick head change.



NEW



FORCE	62 kN
STROKE	38 mm
DIMENSIONS (L x w x h in mm. without head, with 5.0 Ah battery)	295 x 86 x 335
WEIGHT (with 5.0 Ah battery, without head)	3.950 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s <sup>2</sup>

Do not use on live cables.

Do not use on live cables.

#### ACCESSORIES

Batteries, chargers, crimping heads, cutting heads, indenting head, special rail cutting head, die sets, blades, indentors, case.

-> please contact us.



**DCB184G-XJ:** 18 V Li-Ion 5.0 Ah batteries.

**DCB1104-QW:** 220 V 18 V Li-Ion charger.

110 V and 12 V charger available, please contact us.



**DIMENSIONS (mm)** 594 x 494 x 149

**WEIGHT** 3.660 kg

> Case, one battery and one charger supplied with the tool.

> Accessories **NEOELEC™**  
See **PAGE 98**.

**96814:** case for heads  
(option: without accessories).




**NEOELEC™**  

# BPE063

MULTITOOL, MINI-PISTOL  
WITH 18 V BATTERY

NEW

> Just one tool for multiple functions.



**ROBUST**  
Reinforced plastic housing, suitable for working in the field, robust head connection.



**AUTOMATIC RETURN**  
Automatic return at the end of the cycle, manual decompression possible.



**ERGONOMIC**  
360° rotative head, quick head change.



**EXCELLENT WEIGHT-TO-CAPACITY RATIO**  
Well balanced

<b>FORCE</b>	62 kN
<b>STROKE</b>	38 mm
<b>DIMENSIONS</b> (L x w x h in mm, without head, with 2.0 Ah battery)	280 x 75 x 230
<b>WEIGHT</b> (with 2.0 Ah battery, without head)	2.950 kg
<b>ACOUSTIC POWER LEVEL</b> (LwA)	74.9 dB(A)
<b>THE EFFECTIVE WEIGHTED ACCELERATION</b>	<2.5m/s <sup>2</sup>



Do not use on live cables.

**ACCESSORIES**

Batteries, chargers, crimping heads, cutting heads, indenting head, special rail cutting head, die sets, blades, indentors, case.

-> please contact us



**DCB184G-XJ:** 18 V Li-Ion 5.0 Ah batteries.

**DCB183G-XJ:** 18 V Li-Ion 2.0 Ah batteries.

**DCB1104-QW:** 220 V 18 V Li-Ion charger.

110 V and 12 V charger available, please contact us.



**96814:** box for heads  
(option: without accessories).

**DIMENSIONS** (mm) 520 x 440 x 130

**WEIGHT** 2.300 kg

> Case, one battery and one charger supplied with the tool.

> Accessories **NEOELEC™**  
See **PAGE 98**.

# MULTITOOL HEADS



**LOCK**  
To open and close  
the head quickly.



## XPM062

### MULTITOOL HYDRAULIC HEAD FOR CRIMPING



HEXAGONAL CRIMPING  
 $6 > 300 \text{ mm}^2$



> Force, stroke and capacities identical to the manual tool **MPL062** and battery-operated tools **BPE062, BPL062 & BPP062**.



#### VERY LIGHT HEAD

Excellent weight-to-capacity ratio.



#### COMPATIBLE DIE SETS

62 kN die set.



#### ROBUST HEAD

Suitable for working in the field, robust connection.

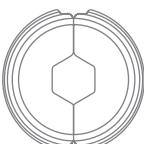


#### ROTATIVE HEAD

360°, with quick head change.



Do not use on live cables.



Die sets  
 $6 > 300 \text{ mm}^2$



**DIE SETS** – See **PAGE 137**.

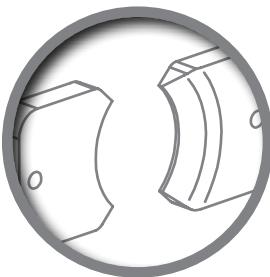
> Common interchangeable die sets for  
**MPL062, BPE062, BPL062 & BPP062** tools.

<b>STROKE</b>	13 mm
<b>FORCE</b>	62 kN
<b>DIMENSIONS</b> (L x w x h in mm)	170 x 100 x 56
<b>WEIGHT</b>	1.800 kg

APPLICATIONS	CROSS-SECTIONS
Hexagonal lugs and sleeves – NFC 20-130	$6 > 300 \text{ mm}$
Hexagonal copper/aluminum lugs and sleeves – DIN 48083	KZ6 > KZ34
C-shaped connectors	C10 > C50
Pre-rounding	$25 > 240 \text{ mm}^2$
Bare or pre-insulated copper or aluminum sleeves	E54 > E260



**LOCK**  
To open and close the head quickly.



## XGM025

NEW

### MULTITOOL HYDRAULIC HEAD GUILLOTINE-TYPE CABLE-CUTTER

> Force, stroke and capacities identical to the manual tool **MCL025-026**, with head **XCH025G** and battery-operated tools **BCE025G & BCL025G**.



#### NEW REINFORCED BLADES

Lengthens the blades' service life (> special steel cutter).



#### IDENTICAL BLADE & COUNTER-BLADE

Facilitates cutting.



#### INTERCHANGEABLE BLADES

Easy to replace.

P/N 91298 square profile blade.

P/N 78502 standard blade.



#### ROBUST

Suitable for working in the field, robust connection.



Do not use on live cables.

**CABLE TYPES**  
copper, aluminum and steel

**MAX. DIAMETER**  
**Ø 25 mm**  
(depending on cables)



**DIMENSIONS** (L x w x h in mm)

184 x 85 x 55

**WEIGHT**

1.950 kg



#### PROTECTION KIT

> Optional.

	<b>CABLE TYPES</b>	<b>MAX. HARDNESS</b>	<b>MAX. CUTTING Ø *</b>
<b>MULTI-STRAND CABLES</b>	7 x 19 strands – steel 7 x 37 strands – steel	100 > 120 daN/mm <sup>2</sup> 130 > 145 daN/mm <sup>2</sup>	Ø 15 > 16 mm Ø 12 > 13 mm
<b>ELECTRIC CABLES</b>	Bare – copper / aluminum Rigid multi-strand – copper / aluminum Semi-rigid multi-strand – copper / aluminum		300 mm <sup>2</sup> Ø 20 > 22 mm
<b>ROUND BARS</b>	Copper Hard copper Aluminum Mild steel Medium hard steel	< 20 daN/mm <sup>2</sup> 20 > 28 daN/mm <sup>2</sup> < 20 daN/mm <sup>2</sup> 42 > 45 daN/mm <sup>2</sup> 50 > 70 daN/mm <sup>2</sup>	Ø 20 > 22 mm Ø 15 > 18 mm Ø 20 > 25 mm Ø 12 > 14 mm Ø 10 mm
<b>INSULATED CABLES</b>	Depends on insulation thickness stainless steel	< 150 daN/mm <sup>2</sup>	150 > 240 mm <sup>2</sup> Ø 8 > 10 mm

\* Other dimensions and cables to be validated by testing.



# XCM050

## MULTITOOL HYDRAULIC HEAD SHEARS-TYPE CABLE-CUTTER

> Force, stroke and capacities identical to battery-mounted tools **BCL050**.

NEW



### SHEARS TYPE

To cut cables in confined areas  
(>Direct access, without closing the head).



### REINFORCED & TAPERED BLADES

Facilitates clean cutting of copper and aluminum cables.



### IDENTICAL & INTERCHANGEABLE BLADES

Easy to replace and use. P/N 93322



### ROBUST

Suitable for working in the field, robust connection.



*Do not use on live cables.*

### CABLE TYPES

copper and aluminum

### MAX. DIAMETER

**Ø 50.8 mm  
(2 inches)**



### NO CABLE CUTTING

steel, stainless steel, ACSR

**DIMENSIONS** (L x w x h in mm)

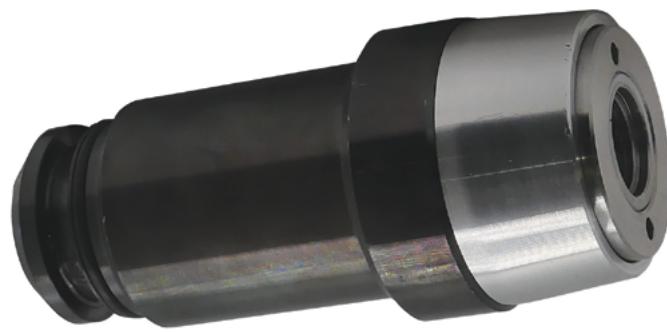
275 x 66 x 125

**WEIGHT**

2.350 kg

CABLE TYPE *	
<b>ALUMINUM CABLES</b>	3 x 185 mm <sup>2</sup> + 1 x 70 mm <sup>2</sup> with shielding 3 x 185 mm <sup>2</sup> + 1 x 70 mm <sup>2</sup> solid with shielding
<b>COPPER CABLES</b>	4 x 70 mm <sup>2</sup> with shielding 3 x 150 mm <sup>2</sup> 2 x 185 mm <sup>2</sup>

\* Other dimensions and cables to be validated by testing.



# XHM062

NEW

## MULTITOOL HYDRAULIC HEAD PUNCHING TYPE

**NEW HEAD**

Lighter, finer, more ergonomic head.

**ROBUST**

Suitable for working in the field, robust connection.

**DESIGNED FOR PUNCHING:** plastic, composite, steel, stainless and aluminum sheet.**DIMENSIONS \*****MAXIMUM DIAMETER FOR  
STAINLESS STEEL, STEEL,  
ALUMINUM**

up to Ø25.4 mm with Ø11 mm pin, max. thickness 2.5 mm

up to Ø63.5 mm with Ø19 mm pin, max. thickness 2.5 mm

**RECTANGULAR PUNCH**

from 17 x 19 mm to 36 x 86 mm

**SQUARE PUNCHING**

\* for cutting polygons, connectors, locks, keys...

Contact us for other cross-sections.

**PUNCH - DIE SET REFERENCES**

HGREPOIN15.2	DIAMETER 15.2
HGREPOIN16.2	DIAMETER 16.2
HGREPOIN18.6	DIAMETER 18.6
HGREPOIN19.1	DIAMETER 19.1
HGREPOIN20.4	DIAMETER 20.4
HGREPOIN22.5	DIAMETER 22.5
HGREPOIN25.4	DIAMETER 25.4
HGREPOIN28.3	DIAMETER 28.3
HGREPOIN34.6	DIAMETER 34.6
HGREPOIN37	DIAMETER 37
HGREPOIN38.1	DIAMETER 38.1
HGREPOIN40.5	DIAMETER 40.5
HGREPOIN44.5	DIAMETER 44.5
HGREPOIN47	DIAMETER 47
HGREPOIN54	DIAMETER 54
HGREPOIN60	DIAMETER 60.
HGREPOIN63.5	DIAMETER 63.5
HGREPOIN82	DIAMETER 82

reference for steel and aluminum

**PUNCH**(for stainless steel,  
please contact us)**MOUNTING SCREW**

Ø	length	ref
9.5	67	30199
19	137	30198

To be used with bushing 30155  
and 30129**DIE SET**

corresponding to punch.

**MULTI-IMPRINT**

With just one head, a multitude of standard rails can be cut.

**INDENTOR**

Oblong punch for M6 screws to pass through.



# XCMDIN

## MULTITOOL HYDRAULIC HEAD DIN RAIL CUTTING TYPE

NEW

**NEW HEAD**

Integrated punch.

**ROBUST**

Suitable for working in the field, robust connection.

**DIMENSIONS** (L x w x h in mm)

220 x 55 x 100

**WEIGHT**

2.700 kg

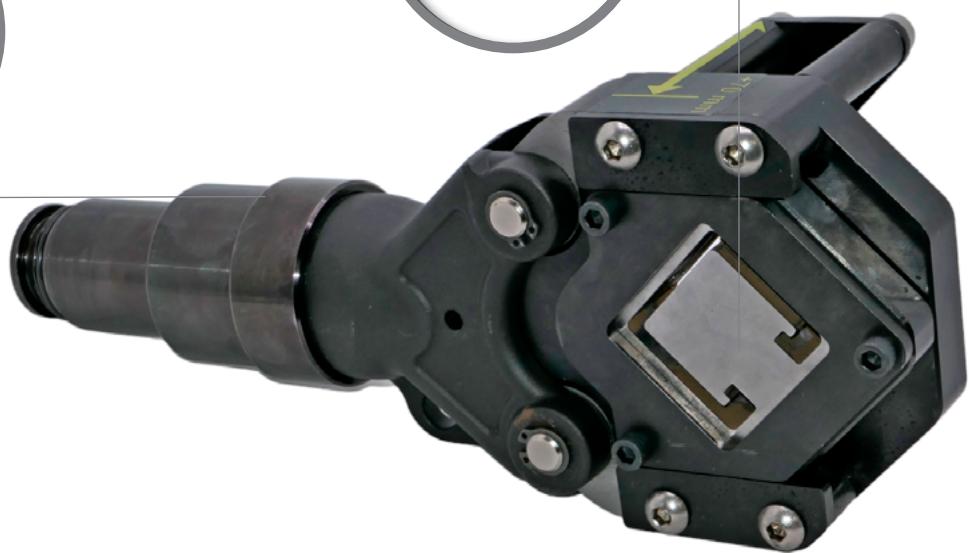
**DESIGNED FOR PUNCHING:****DIMENSIONS \***

<b>OMEGA DIN RAIL</b>	35 x 15 x 1.5 mm
<b>STEEL</b>	35 x 7.5 x 1 mm
	15 x 5.5 x 1.5 mm
<b>G DIN RAIL STEEL</b>	35 x 15 x 1.5
<b>COPPER EARTHING</b>	25 x 3 mm
	10x3 mm
<b>OBLONG PUNCHING</b>	For passing M6 screws

\* does not cut stainless steel



**FORCE MULTIPLIER**  
used to cut STRUT profiles.



## XCMSTRU

NEW

### MULTITOOL HYDRAULIC HEAD STRUT RAIL CUTTING TYPE

> Force, stroke and capacities identical to tools **XCMSTRU** and to battery-operated tool **BPPSTRU**.

**DIMENSIONS** (L x w x h in mm)

290 x 90 x 115

**WEIGHT**

6.300 kg



#### ROBUST

Suitable for working in the field, robust connection.



#### REINFORCED & TAPERED BLADES

Facilitates clean cutting.



#### IDENTICAL & INTERCHANGEABLE BLADES

Easy to replace and use.

P/N 95263+95264 : 41x41 (deliver with the tool)

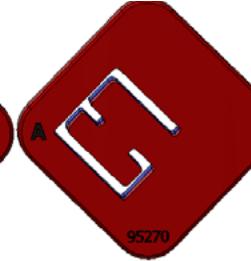
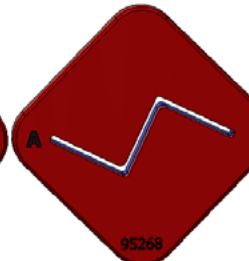
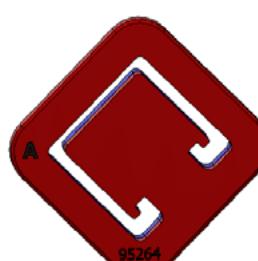
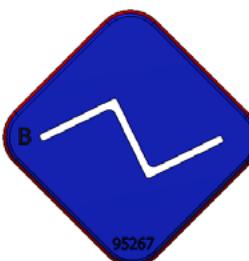
P/N 95265+95266 : 21x21 (option)

P/N 95267+95268 : Z profil (option)

P/N 95269+95270 : L profil 24x24 + TELEX 30 profil

+ U 24x24x24 (option)

\* does not cut stainless steel





## QUICK HEAD CHANGE

by pins.



# XCM008

NEW

MULTITOOL HYDRAULIC HEAD  
BOLT-CUTTER TYPE**ROBUST**

Suitable for working in the field, robust connection.

**INTERCHANGEABLE HEADS**

Easily replaceable .Different blade configurations: curved, straight or flush cutting.

**SPARK-FREE CUTTING**

Ideal for working in at-risk areas (NON-ATEX TOOL).

**USE**

Perfect for cutting fasteners such as lag-screws, screws, L-shaped hooks, nails.

*Do not use on live cables.***DIMENSIONS** (L x w x h in mm)

245 x 74 x 46

**WEIGHT**

1.750 kg

**CUTTING CAPACITY**

up to Ø8 mm depending on materials



Réf : 95225



Réf : 93582



Réf : 95857



# XPM061

## MULTITOOL HYDRAULIC HEAD FOR CRIMPING

- > Force, stroke and capacities identical to battery-operated tools **BPL061**, **BPE061** and **BPP061**.
- > Compatible with the die sets used by the DB.



### TESTED AND APPROVED BY THE DB



### EXCELLENT WEIGHT-TO-CAPACITY RATIO

Up to 240 mm<sup>2</sup>.



### ROTATIVE HEAD

270°.



### NARROW HEAD

To work in switchboards.



### INTERCHANGEABLE DIE SETS



Do not use on live cables.



**DIE SETS** – See [PAGE 146](#).

- > Common interchangeable die sets for **BPE061**, **BPL061** & **BPP061** tools. Please contact us for other dimensions.



### HEXAGONAL CRIMPING

**10 to 185 mm<sup>2</sup> Al**  
**6 to 240 mm<sup>2</sup> Cu**



<b>STROKE</b>	18 mm
<b>FORCE</b>	62 kN
<b>CRIMPING TIME</b> (depends on cross-section to be crimped)	4 to 7 seconds
<b>DIMENSIONS</b> (L × w × h in mm)	181 × 88 × 54
<b>WEIGHT</b>	1.900 kg

APPLICATIONS	CROSS-SECTIONS
Copper/aluminum lugs and sleeves – DIN 48083	KZ5 > KZ28
Pre-rounding	10 > 240 mm <sup>2</sup>



## XPM060F



MULTITOOL HYDRAULIC HEAD  
DIELESS CRIMPING TYPE

CLOSED  
HEAD

**4-INDENT CRIMPING**  
10 > 400 (8AWG > 750Kcmil) – Cu  
10 > 300 (8AWG > 600Kcmil) – Al



> Available in pistol version **BPP060F** mini-pistol **BPE060F** and inline **BPL060F**.

Tool designed for crimping standard lugs and sleeves for multi-strand cables.



**ROTATIVE HEAD**  
360°.



**ROBUST**  
Suitable for working in the field, robust connection.



**NEW HEAD**  
Lighter.



*Do not use on live cables.*

<b>STROKE</b>	32 mm
<b>FORCE</b>	60 kN
<b>CRIMPING TIME</b> (depends on cross-section to be crimped)	5 to 7 s
<b>DIMENSIONS</b> (L x w x h in mm)	265 x 135 x 65
<b>WEIGHT</b>	3.100 kg

**LOCK-PIN**

Captive, to close the head safely.



# XPM130D

## MULTITOOL HYDRAULIC HEAD FOR CRIMPING

> Force, stroke and capacities identical to tools, **C130-3**, **BPP130D**, **BPP1303**, **XC130-3** and to battery-operated tool **BPE130**.

NEW

**HEXAGONAL CRIMPING**  
**6 > 400 mm<sup>2</sup>****COMPATIBLE DIE SETS**  
**62 kN, 80 kN & 130 kN ranges.****ROBUST HEAD**

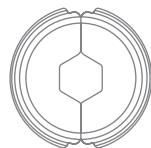
Suitable for working in the field, robust connection.

**ROTATIVE HEAD**

360°, with quick head change.



Do not use on live cables.

**STROKE** 15 mm**FORCE** 130 kN**CRIMPING TIME** (depends on cross-section to be crimped) 8 to 14 s**BATTERY LIFE** (approx. on 185 mm<sup>2</sup> copper) 50 crimps**DIMENSIONS** (L x w x h in mm) 250 x 65 x 120**WEIGHT** 3.500 kg

Die sets  
**6 > 400 mm<sup>2</sup>**



**130 kN DIE SETS** – See [PAGE 137](#).

> Common interchangeable die sets for **C130-xx**, **XC130-xx** **BPE130** & **BPP130x** tools.

**APPLICATIONS**      **CROSS-SECTIONS**

◆ Copper lugs and sleeves – NFC 20-130 6 > 400 mm<sup>2</sup>

◆ Bare or pre-insulated copper/alu. sleeves – EDF E54 > E280

◆ Copper/aluminum lugs and sleeves – DIN 48083 KZ6 > KZ34

◆ C-shaped connectors C10 > C70

◆ Pre-rounding 50 > 300 mm<sup>2</sup>

◆ Copper lugs and sleeves – NFC 20-130 10 > 240 mm<sup>2</sup>



## CATENARY TOOL



# XDM041

NEW

## MULTITOOL HYDRAULIC HEAD HYDRAULIC KINK REMOVER

**ROBUST**

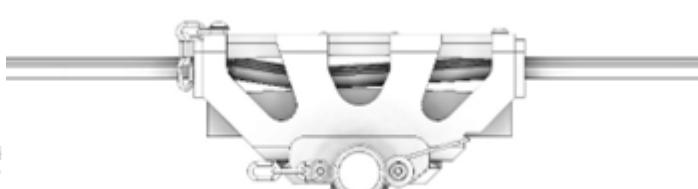
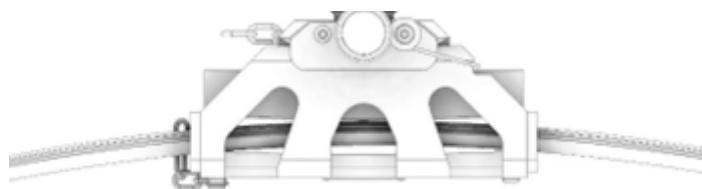
Suitable for working in the field, robust connection.

**ROTATIVE HEADS**

360°.



*Do not use on live cables.*

**FORCE** 40 kN**DIMENSIONS** (L x w x h in mm) 190 x 213 x 182**WEIGHT** 4.100 kg**STRAIGHTENING CAPACITIES** 107-150 mm<sup>2</sup>



## XCMNUT

NEW

MULTITOOL HYDRAULIC HEAD  
**NUT-BREAKER**



### ROBUST BLADE

Replaceable in just a few seconds.



### ROBUST HEAD

Suitable for working in the field, robust connection.



### ROTATIVE HEAD

360°, with quick head change.



### COMPACT

Small dimensions, allowing the removal of seized nuts, even when close to each other.

<b>STROKE</b>	9 mm
<b>FORCE</b>	43 kN
<b>DIMENSIONS</b> (L × w × h in mm)	207 × 52 × 52
<b>WEIGHT</b>	1.500 kg
<b>CUTTING CAPACITY</b> (steel-stainless steel)	M8 to M12



# XGMTRC

MULTITOOL HYDRAULIC HEAD  
**THREADED-ROD CUTTER**



#### **INTERCHANGEABLE IMPRINTS**

4 imprints: M6, M8, M10 and M12

Replaceable in just a few seconds. Keeps the thread intact making it possible to screw on a nut directly after cutting.



#### **ROBUST HEAD**

Suitable for working in the field, robust connection.



#### **ROTATIVE HEAD**

360°, with quick head change.

<b>STROKE</b>	27 mm
<b>FORCE</b>	60 kN
<b>DIMENSIONS</b> (L × w × h in mm)	181 × 84 × 52
<b>WEIGHT</b>	2.100 kg
<b>CUTTING CAPACITY</b> (mild steel)	M6 to M12
<b>CUTTING CAPACITY</b> (Stainless steel-grade 8 tempered steel)	M6 to M10



## XGMCAT

MULTITOOL HYDRAULIC HEAD  
**CATENARY CUTTER**

NEW



### ROBUST BLADE



### ROBUST HEAD

Suitable for working in the field, robust connection.



### ROTATIVE HEAD

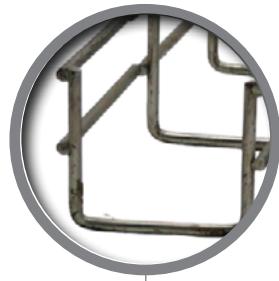
360°, with quick head change.



### SPECIFIC

Specific head for each section.

<b>STROKE</b>	27 mm
<b>FORCE</b>	60 kN
<b>DIMENSIONS</b> (L × w × h in mm)	184 × 84 × 79
<b>WEIGHT</b>	2.300 kg
<b>CUTTING CAPACITY</b> (Cu, CuAg, CuSn)	107,120 and 150 mm <sup>2</sup>



## XCMTRAY

MULTITOOL HYDRAULIC HEAD  
**CABLE TRAY CUTTER**

NOUVEAUTÉ

**ROBUST**

Suitable for working in the field, robust connection.

**ROTATIVE HEADS**

360°.

**DIMENSIONS** (L x w x h in mm)

153 x 43 x 43

**WEIGHT**

1.200 kg

**CUTTING CAPACITY**

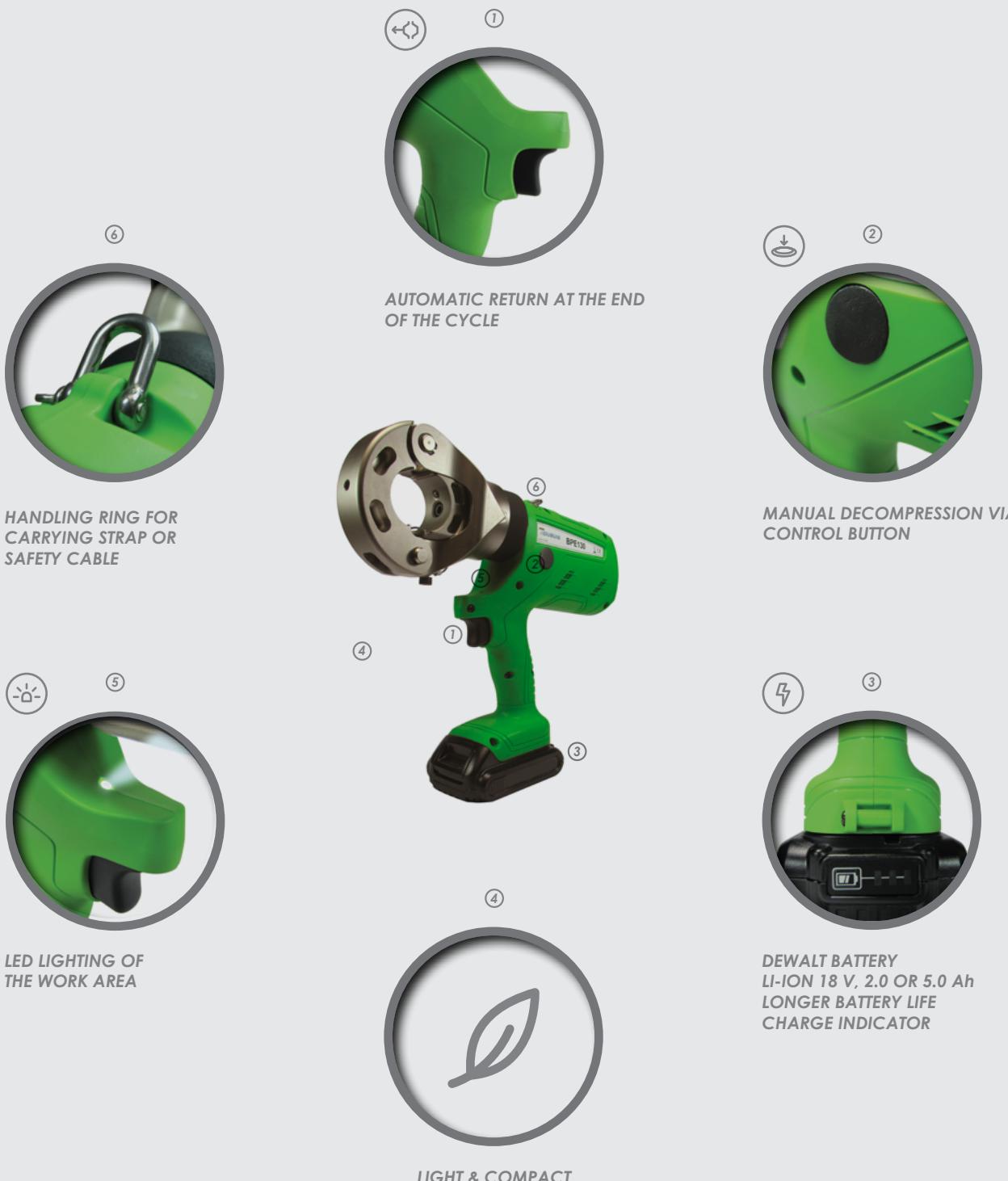
Ø6





NEOELEC™

| BATTERY-OPERATED TOOLS | MINI-PISTOL TYPE

18 V 2.0 Ah  
Li-IonLIGHT,  
COMPACT270 x 75 x 245 mm  
2.460 kg  
(for tool BPE036)EASY  
TO USENo electronic  
management  
[www.dubuis.com](http://www.dubuis.com)HANDY,  
ERGONOMIC

Balanced design.

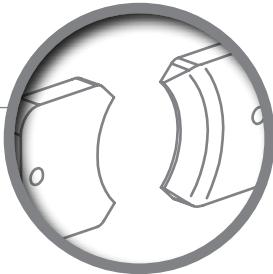


**NEOELEC™**  
**BATTERY-OPERATED**  
**HYDRAULIC**  
**TOOLS**  
TYPE **MINI-PISTOL**

CABLE CUTTER		BCE025G	<a href="#">page 52</a>
		BCE035C	<a href="#">page 53</a>
CRIMPING PRESSES		BPE031	<a href="#">page 54</a>
		BPE036	<a href="#">page 55</a>
		BPE055	<a href="#">page 80</a>
		BPE060F	<a href="#">page 57</a>
		BPE061	<a href="#">page 58</a>
		BPE062	<a href="#">page 59</a>
		BPE130	<a href="#">page 60</a>

**LOCK**

To open and close the head quickly.


**NEOELEC™  
BCE025G**
**HYDRAULIC CABLE-CUTTER  
BATTERY-OPERATED GUILLOTINE TYPE**

> Force, stroke and capacities identical to tools **MCL025G**, **XCH025G**, **XCM025G** and to battery-operated tool **BCL025G**.

**NEW REINFORCED BLADES**

Lengthens the blades' service life (> special steel cutter).

**IDENTICAL BLADE & COUNTER-BLADE**

Facilitates cutting.

**INTERCHANGEABLE BLADES**

Easy to replace and use.  
P/N 91298 square profile blade.  
P/N 78502 standard blade.

**ROTATIVE HEAD**

180°.

**CABLE TYPES**  
copper, aluminum and steel

**MAX. DIAMETER**

**Ø 25 mm**  
(depending on cables)

**FORCE**

55 kN

**CUTTING TIME**

8 to 12 s

**BATTERY LIFE** – DEPENDS ON THE MATERIAL**DIMENSIONS** (L × w × h in mm)

300 × 75 × 280

**WEIGHT** (with battery)

3.400 kg

**ACOUSTIC POWER LEVEL**  
(LwA)

74.9 dB(A)

**THE EFFECTIVE WEIGHTED  
ACCELERATION**

<2.5m/s<sup>2</sup>



Do not use on live cables.

	<b>CABLE TYPES</b>	<b>MAX. HARDNESS</b>	<b>MAX. CUTTING Ø *</b>
<b>MULTI-STRAND CABLES</b>	7 × 19 strands – steel 7 × 37 strands – steel	100 > 120 daN/mm <sup>2</sup> 130 > 145 daN/mm <sup>2</sup>	Ø 15 > 16 mm Ø 12 > 13 mm
<b>ELECTRIC CABLES</b>	Bare – copper / aluminum Rigid multi-strand – copper / aluminum Semi-rigid multi-strand – copper / aluminum		300 mm <sup>2</sup> Ø 20 > 22 mm
<b>ROUND BARS</b>	Copper Hard copper Aluminum Mild steel Medium hard steel	< 20 daN/mm <sup>2</sup> 20 > 28 daN/mm <sup>2</sup> < 20 daN/mm <sup>2</sup> 42 > 45 daN/mm <sup>2</sup> 50 > 70 daN/mm <sup>2</sup>	Ø 20 > 22 mm Ø 15 > 18 mm Ø 20 > 25 mm Ø 12 > 14 mm Ø 10 mm
<b>INSULATED CABLES</b>	Depends on insulation thickness stainless steel	< 150 daN/mm <sup>2</sup>	150 > 240 mm <sup>2</sup> Ø 8 > 10 mm

\* Other dimensions and cables to be validated by testing.

**DIMENSIONS** (mm) 520 × 440 × 130

**WEIGHT** 2.300 kg

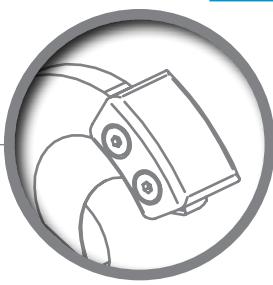
> Case and charger supplied with the tool.

> Accessories **NEOELEC™**  
See **PAGE 98**.



**TAPERED BLADES**

Ideal for cutting fine multi-strand cables.

**GUIDING SHOE**

Avoids gap between blades.

**CABLE TYPES**

multistrand copper and aluminum

**MAX. DIAMETER**

$\varnothing 35$  mm

**NEOELEC™  
BCE035C**
**HYDRAULIC CABLE-CUTTER  
BATTERY-OPERATED SHEARS TYPE**

> Force, stroke and capacities identical to tool XCH035C and to battery-operated tool BCL035i.

**SHEARS TYPE**

To cut cables in confined areas  
(> direct access, without closing the head).

**REINFORCED & TAPERED BLADES**

Facilitates clean cutting of copper and aluminum cables.

**IDENTICAL & INTERCHANGEABLE BLADES**

Easy to replace and use.  
P/N78431.

**ROTATIVE HEAD**

360°.



Do not use on live cables.

**FORCE** (on the piston) 43 kN

**CUTTING TIME** 8 to 12 s

**BATTERY LIFE** – DEPENDS ON THE MATERIAL

**DIMENSIONS** (L x w x h in mm) 345 x 80 x 285

**WEIGHT** (with battery) 3.400 kg

**ACOUSTIC POWER LEVEL** (LwA) 74.9 dB(A)

**THE EFFECTIVE WEIGHTED ACCELERATION** <2.5m/s<sup>2</sup>

**MAX. CUTTING CAPACITIES** Cutting tests possible.

**SEMI-RIGID MULTISTRAND CU CABLE** 240 mm<sup>2</sup>

**FLEXIBLE MULTISTRAND CU CABLE** (very fine strands)  $\varnothing 35$  mm - 300 mm<sup>2</sup>

**MULTISTRAND ALUMINUM CABLE**  $\varnothing 35$  mm

**TELEPHONE CABLE**  $\varnothing 35$  mm

Does not cut bars or steel-reinforced cables.

**DIMENSIONS** (mm) 520 x 440 x 130

**WEIGHT** 2.300 kg

> Case and charger supplied with the tool.

> Accessories **NEOELEC™**  
See **PAGE 98**.



**QUICK OPENING & CLOSING**

Easy to replace  
die sets.


**NEOELEC™  
BPE031**
**HYDRAULIC CRIMPING PRESS  
BATTERY-OPERATED MINI PISTOL TYPE**

> Force, stroke and capacities identical to tool **MPP031** and to battery-operated tool **BPL031**.

**NARROW HEAD**

To work in switchboards.

**EXCELLENT WEIGHT-TO-CAPACITY RATIO**

2.360 kg – 35 kN – 95 mm<sup>2</sup>.

**ROTATIVE HEAD**

180°.



Do not use on live cables.

**DIE SETS** – See **PAGE 137**.

> Common interchangeable die sets for **MPP031**, **BPL031** & **BPE031** tools.



<b>STROKE</b>	8 mm
<b>FORCE</b>	35 kN
<b>CRIMPING TIME</b> (depends on cross-section to be crimped)	3 to 4 s
<b>BATTERY LIFE</b> (approx. On 95 mm <sup>2</sup> copper)	270 crimps
<b>DIMENSIONS</b> (L x w x h in mm)	260 x 60 x 240
<b>WEIGHT</b> (with battery)	2.360 kg
<b>ACOUSTIC POWER LEVEL</b> (LwA)	74.9 dB(A)
<b>THE EFFECTIVE WEIGHTED ACCELERATION</b>	<2.5m/s <sup>2</sup>

<b>APPLICATIONS</b>	<b>CROSS-SECTIONS</b>
◆ Copper lugs and sleeves – NFC 20-130	4 > 95 mm <sup>2</sup>
◆ Bare or pre-insulated copper/alu. sleeves – EDF	E54 > E140
◆ Copper/aluminum lugs and sleeves – DIN 48083	KZ4 > KZ18
◆ C-shaped connectors	C6 > C16
◆ Copper lugs and sleeves – NFC 20-130	10 > 70 mm <sup>2</sup>



**DIMENSIONS** (mm) 520 x 440 x 130

**WEIGHT** 2.300 kg

> Case and charger supplied with the tool.  
> Accessories **NEOELEC™**  
See **PAGE 98**.

**QUICK OPENING & CLOSING**

Easy to replace  
die sets.

**HEXAGONAL CRIMPING**

**4 > 150 mm<sup>2</sup>**


**NEOELEC™**  
**BPE036**
**HYDRAULIC CRIMPING PRESS  
BATTERY-OPERATED MINI PISTOL TYPE**

> Force, stroke and capacities identical to manual tool **MPP036** and to battery-operated tool **BPL036**.

**EXTREMELY DURABLE ALUMINUM FORK**

Force 35 kN.

**EXCELLENT WEIGHT-TO-CAPACITY RATIO**

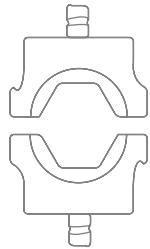
2.460 kg – 35 kN – 150 mm<sup>2</sup>.

**ROTATIVE HEAD**

180°.



Do not use on live cables.

**DIE SETS – See PAGE 137.**

> Common interchangeable die sets for **MPP036**, **BPL036** & **BPE036** tools.

**STROKE**

8 mm

**FORCE**

35 kN

**CRIMPING TIME** (depends on cross-section to be crimped) 3 to 4 s

**BATTERY LIFE** (approx. on 120 mm<sup>2</sup> copper) 260 crimps

**DIMENSIONS** (L x w x h in mm) 260 x 60 x 265

**WEIGHT** (with battery) 2.460 kg

**ACOUSTIC POWER LEVEL** (LwA) 74.9 dB(A)

**THE EFFECTIVE WEIGHTED ACCELERATION** <2.5m/s<sup>2</sup>

**APPLICATIONS**

	CROSS-SECTIONS
◆	Copper lugs and sleeves – NFC 20-130 4 > 150 mm <sup>2</sup>
◆	Bare or pre-insulated copper/alu. sleeves – EDF E54 > E215
◆	Copper/aluminum lugs and sleeves – DIN 48083 KZ4 > KZ22
◆	C-shaped connectors C6 > C16
◆	Pre-rounding 10 > 120 mm <sup>2</sup>
◆	Copper lugs and sleeves – NFC 20-130 10 > 95 mm <sup>2</sup>

<b>DIMENSIONS</b> (mm)	520 x 440 x 130
<b>WEIGHT</b>	2.300 kg
> Case and charger supplied with the tool.	
> Accessories <b>NEOELEC™</b> See <b>PAGE 98</b> .	



**QUICK OPENING & CLOSING**

Easy to replace die sets.

**HEXAGONAL CRIMPING**  
**4 > 240 mm<sup>2</sup>****NEOELEC™  
BPE055****HYDRAULIC CRIMPING PRESS  
BATTERY-OPERATED MINI PISTOL TYPE**

> Force, stroke and capacities identical to manual tool **MPL051-052** and to battery-operated tool **BPL055**.

**BALL HEAD DOWEL**

Can accommodate 38 mm (DUBUIS) or 30 mm (other manufacturers) wide die sets.

**INTERCHANGEABLE DIE SETS**

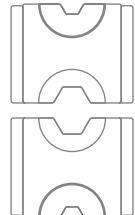
Simple or reversible.

**ROTATIVE HEAD**

340°.



Do not use on live cables.

**DIE SETS – See PAGE 137.**

> Common interchangeable die sets for **MPL051-052**, **BPE055** & **BPL055** tools.

**STROKE**

13 mm

**FORCE**

55 kN

**CRIMPING TIME** (depends on cross-section to be crimped) 3 to 5 s**BATTERY LIFE** (approx. On 185 mm<sup>2</sup> copper) 220 crimps**DIMENSIONS** (L x w x h in mm) 285 x 60 x 270**WEIGHT** (with battery) 3.150 kg**ACOUSTIC POWER LEVEL** (LwA) 74.9 dB(A)**THE EFFECTIVE WEIGHTED ACCELERATION** <2.5m/s<sup>2</sup>**APPLICATIONS****CROSS-SECTIONS**

◆ Copper lugs and sleeves – NFC 20-130	4 > 240 mm <sup>2</sup>
◆ Bare or pre-insulated copper/alu. sleeves – EDF E54 > E215	
◆ Copper/aluminum lugs and sleeves – DIN 48083 KZ6 > KZ32	
◆ C-shaped connectors	C6 > C35
◆ Pre-rounding	6 > 240 mm <sup>2</sup>
◆ Copper lugs and sleeves – NFC 20-130	10 > 120 mm <sup>2</sup>

**DIMENSIONS** (mm) 520 x 440 x 130**WEIGHT** 2.300 kg

&gt; Case and charger supplied with the tool.

> Accessories **NEOELEC™**

See PAGE 98.



\* **DIELESS** WHATEVER THE CROSS-SECTION.



#### 4-INDENT CRIMPING

10 > 400 (8AWG > 750Kcmil) – Cu  
10 > 300 (8AWG > 600Kcmil) – Al

NEOELEC™

## BPE060F

HYDRAULIC CRIMPING PRESS  
**BATTERY-OPERATED, DIELESS** CLOSED HEAD

Tool designed for crimping standard lugs and sleeves for multi-strand cables.



**ROTATIVE HEAD**  
360°.



**COMPACT & BALANCED**



*Do not use on live cables.*

> Available in pistol version **BPP060F** and **BPL060F**.

**STROKE**

32 mm

**FORCE**

60 kN

**CRIMPING TIME** (depends on section to be crimped)

5 to 7 s

**BATTERY LIFE** (approx. 340 crimps on 350 MCM (185 mm<sup>2</sup>))

**DIMENSIONS** (L x w x h in mm)

390 x 75 x 300

**WEIGHT** (with battery)

4.750 kg

**ACOUSTIC POWER LEVEL**

74.9 dB(A)  
(LwA)

**THE EFFECTIVE WEIGHTED ACCELERATION**

<2.5m/s<sup>2</sup>



**DIMENSIONS** (mm) 520 x 440 x 130

**WEIGHT**

2.300 kg

> Case and charger supplied with the tool.

> Accessories **NEOELEC™**  
See **PAGE 98**.


**NEOELEC™  
BPE061**
NEW  
"C" HEAD
**HYDRAULIC CRIMPING PRESS  
BATTERY-OPERATED MINI-PISTOL TYPE**

- > Force, stroke and capacities identical to battery-operated tools **BPL061**, **BPP061** & **XPM061**.
- > Compatible with die sets used by the Deutsche Bahn.

**TESTED AND APPROVED BY THE DEUTSCHE BAHN**

**AUTOMATIC RETURN**  
Automatic return at end of crimping.

**EXCELLENT WEIGHT-TO-CAPACITY RATIO**  
Up to 240 mm<sup>2</sup>.

**SWITCHES OFF AUTOMATICALLY**  
To reduce battery consumption.

**ROTATIVE HEAD**  
270°.

**NARROW HEAD**  
To work in switchboards.

**INTERCHANGEABLE DIE SETS**



**DIE SETS – See PAGE 146.**

- > Common interchangeable die sets for **BPE061**, **BPL061** & **BPP061** tools. Please contact us for other dimensions.

Do not use on live cables.

**HEXAGONAL CRIMPING**  
**10 to 185 mm<sup>2</sup> Al**  
**6 to 240 mm<sup>2</sup> Cu**



<b>STROKE</b>	18 mm
<b>FORCE</b>	62 kN
<b>CRIMPING TIME</b> (depends on cross-section to be crimped)	4 to 7 seconds
<b>BATTERY LIFE</b> (approx. on 185 mm <sup>2</sup> )	200 crimps
<b>DIMENSIONS</b> (L x w x h in mm)	265 x 75 x 305
<b>WEIGHT</b> (with battery)	3.500 kg
<b>ACOUSTIC POWER LEVEL</b> (LwA)	74.9 dB(A)
<b>THE EFFECTIVE WEIGHTED ACCELERATION</b>	<2.5m/s <sup>2</sup>

<b>APPLICATIONS</b>	<b>CROSS-SECTIONS</b>
Copper/aluminum lugs and sleeves – DIN 48083	KZ5 > KZ28
Pre-rounding	10 > 240 mm <sup>2</sup>

<b>DIMENSIONS</b> (mm)	471 x 415 x 116
<b>WEIGHT</b> (empty)	2.050 kg
> Case and charger supplied with the tool.	
> Accessories <b>NEOELEC™</b> See <b>PAGE 98</b> .	



**QUICK OPENING & CLOSING**

Easy to replace  
die sets.

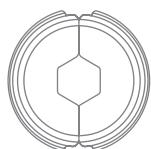
**HEXAGONAL CRIMPING** **$6 > 300 \text{ mm}^2$** 
**NEOELEC™  
BPE062**
**HYDRAULIC CRIMPING PRESS  
BATTERY-OPERATED MINI-PISTOL TYPE**

> Force, stroke and capacities identical to manual tools **MPL062**, **XD62** and to battery-operated tools **BPL062** & **BPP062**.

**COMPATIBLE DIE SETS**  
**62 kN** die sets.

**ROTATIVE HEAD**  
340°.

Do not use on live cables.



**DIE SETS** – See **PAGE 137**.

> Common interchangeable die sets for **XPM062**, **MPL062**, **XD62**, **BPE062**, **BPL062** & **BPP062** tools.

<b>STROKE</b>	13 mm
<b>FORCE</b>	62 kN
<b>CRIMPING TIME</b> (depends on cross-section to be crimped)	3 to 5 s
<b>BATTERY LIFE</b> (approx. on 185 mm <sup>2</sup> copper)	220 crimps
<b>DIMENSIONS</b> (L x w x h in mm)	290 x 60 x 285
<b>WEIGHT</b> (with battery)	3.550 kg
<b>ACOUSTIC POWER LEVEL</b> (LwA)	74.9 dB(A)
<b>THE EFFECTIVE WEIGHTED ACCELERATION</b>	<2.5m/s <sup>2</sup>

<b>APPLICATIONS</b>	<b>CROSS-SECTIONS</b>
Hexagonal lugs and sleeves – NFC 20-130	$6 > 300 \text{ mm}^2$
Bare or pre-insulated copper/alu. sleeves	E54 > E260
Copper/aluminum lugs and sleeves – DIN 48083	KZ6 > KZ34
C-shaped connectors	C10 > C50
Pre-rounding	$25 > 240 \text{ mm}^2$



**DIMENSIONS** (mm) 520 x 440 x 130

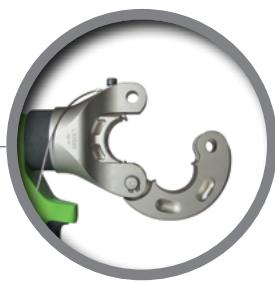
**WEIGHT** 2.300 kg

> Case and charger supplied with the tool.

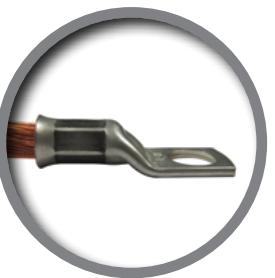
> Accessories **NEOELEC™**  
See **PAGE 98**.

**LOCK-PIN**

Captive, to close the head safely.

**QUICK OPENING & CLOSING**

Easy to replace die sets and pass lugs through

**HEXAGONAL CRIMPING**  
**6 > 400 mm<sup>2</sup>****NEOELEC™  
BPE130****HYDRAULIC CRIMPING PRESS  
BATTERY-OPERATED MINI-PISTOL TYPE**

> Force, stroke and capacities identical to tools **BPP130D**, **BPP130**, **XC130-3**, **XPM130D**, **BPE130D**.

**EXCELLENT WEIGHT-TO-CAPACITY RATIO**

From 6 to 400 mm<sup>2</sup>.

**HIGHLY RESISTANT HEAD**

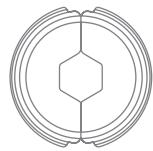
130 kN

**ROTATIVE HEAD**

360°.



Do not use on live cables.

**130 KN DIE SETS – See PAGE 137.**

> Common interchangeable die sets for **C130-xx**, **XC130-xx** **BPE130** & **BPP130x** tools.

**COMPATIBLE DIE SETS**  
62 kN, 80 kN ranges

<b>STROKE</b>	15 mm
<b>FORCE</b>	130 kN
<b>CRIMPING TIME</b> (depends on cross-section to be crimped)	8 to 14 s
<b>BATTERY LIFE</b> (approx. on 185 mm <sup>2</sup> copper)	50 crimps
<b>DIMENSIONS</b> (L x w x h in mm)	310 x 65 x 300
<b>WEIGHT</b> (with battery)	4.680 kg
<b>ACOUSTIC POWER LEVEL</b> (LwA)	74.9 dB(A)
<b>THE EFFECTIVE WEIGHTED ACCELERATION</b>	<2.5m/s <sup>2</sup>

**APPLICATIONS****CROSS-SECTIONS**

▢ Copper lugs and sleeves – NFC 20-130	6 > 400 mm <sup>2</sup>
▢ Bare or pre-insulated copper/alu. sleeves – EDF	E54 > E280
▢ Copper/aluminum lugs and sleeves – DIN 48083	KZ6 > KZ34
▢ C-shaped connectors	C10 > C70
▢ Pre-rounding	50 > 300 mm <sup>2</sup>
▢ Copper lugs and sleeves – NFC 20-130	10 > 240 mm <sup>2</sup>

**DIMENSIONS** (mm) 520 x 440 x 130**WEIGHT** 2.300 kg

> Case and charger supplied with the tool.  
> Accessories **NEOELEC™**  
See PAGE 98.





> Crimping with the battery-operated tool **BPE062** to change a transformer on an electricity pole.





NEOELEC™

| INLINE BATTERY-OPERATED | TOOLS

18 V 2.0 Ah  
Li-Ion

ON/ADVANCE TRIGGER



RELEASE TRIGGER



**ON/OFF BUTTON**  
WITH AUTOMATIC SWITCHING TO STANDBY  
**LED INDICATORS**  
• BATTERY CHARGE LEVEL  
• CYCLE COMPLIANCE  
• MAINTENANCE

ROBUST PLASTIC HOUSING  
WITH NON-SLIP COATINGUSB CONNECTION  
DEDICATED SOFTWARE FOR ANALYSIS  
& PREVENTIVE MAINTENANCE

LED LIGHTING OF THE WORK AREA



Electronic overpressure protection.  
Switch to standby after 10 min.



improved cutting or crimping speed with  
a high-performance motor.



Quick motor stop function after cutting  
or crimping for greater safety.



# BATTERY-OPERATED HYDRAULIC TOOLS

TYPE **INLINE**

		BCL020C	<a href="#">page 64</a>
		BCL025G	<a href="#">page 65</a>
		BCL035C	<a href="#">page 66</a>
		BCL050C	<a href="#">page 67</a>
		BCLSTRU	<a href="#">page 68</a>
		BCLTRAY	<a href="#">page 69</a>
		BPL031	<a href="#">page 70</a>
		BPL036	<a href="#">page 71</a>
		BPL055	<a href="#">page 72</a>
		BPL060F	<a href="#">page 73</a>
		BPL061	<a href="#">page 74</a>
		BPL062	<a href="#">page 75</a>



**REINFORCED BLADES**  
Ideal for cutting tubes.

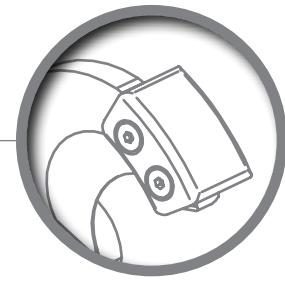
**NEOELEC™**  
**BCL020C**

HYDRAULIC CABLE-CUTTER  
**BATTERY-OPERATED SHEARS TYPE**

NOUVEAUTÉ

**HANDLE**

Ideally located center of gravity.  
Double-control safety switch.



**GUIDING SHOE**

Avoids gap between blades.



**CABLE TYPES**

Copper, aluminum

**TUBE TYPE**

Ø18 galvanized steel tube

**MAX. DIAMETER**

**Ø 20 mm**  
(depending on cables)



**SHEARS TYPE**

To cut cables and tubes in confined areas  
(> direct access, without closing the head).



**REINFORCED BLADES**

Facilitates clean cutting of tubes.



**IDENTICAL & INTERCHANGEABLE BLADES**

Easy to replace and use.  
P/N 91447



**ROTATIVE HEAD**

180°.



*Do not use on live cables.*

**FORCE**

41 kN

**BATTERY LIFE – DEPENDS ON THE MATERIAL**

**DIMENSIONS (L x w x h in mm)**

450 x 235 x 225

**WEIGHT (with battery)**

4.000 kg

**ACOUSTIC POWER LEVEL**

75 dB(A)  
(LwA)

**THE EFFECTIVE WEIGHTED ACCELERATION**

<2.5m/s<sup>2</sup>



**DIMENSIONS (mm)** 554 x 371 x 308

**WEIGHT** 4.60 kg

> Case and charger supplied with the tool.

> Accessories **NEOELEC™**

See **PAGE 98**.



**NEOELEC™**  
**BCL025G**

### HYDRAULIC CABLE-CUTTER BATTERY-OPERATED GUILLOTINE TYPE

> Force, stroke and capacities identical to tools **MCL025G**, **XCH025G**, **XCM025G** and to battery-operated tool **BCE025G**.

 **NEW REINFORCED BLADES**  
Lengthens the blades' service life (> special steel cutter).

 **IDENTICAL BLADE & COUNTER-BLADE**  
Facilitates cutting.

 **INTERCHANGEABLE BLADES**  
Easy to replace and use.  
P/N 91298 square profile blade.  
P/N 78502 standard blade.

 **ROTATIVE HEAD**  
180°.

 Do not use on live cables.

	CABLE TYPES	MAX. HARDNESS	MAX. CUTTING Ø *
<b>MULTI-STRAND CABLES</b>	7 x 19 strands – steel 7 x 37 strands – steel	100 > 120 daN/mm² 130 > 145 daN/mm²	Ø 15 > 16 mm Ø 12 > 13 mm
<b>ELECTRIC CABLES</b>	Bare – copper / aluminum Rigid multi-strand – copper / aluminum Semi-rigid multi-strand – copper / aluminum		300 mm² Ø 20 > 22 mm
<b>ROUND BARS</b>	Copper Hard copper Aluminum Mild steel Medium hard steel	< 20 daN/mm² 20 > 28 daN/mm² < 20 daN/mm² 42 > 45 daN/mm² 50 > 70 daN/mm²	Ø 20 > 22 mm Ø 15 > 18 mm Ø 20 > 25 mm Ø 12 > 14 mm Ø 10 mm
<b>INSULATED CABLES</b>	Depends on insulation thickness Stainless steel	< 150 daN/mm²	150 > 240 mm² Ø 8 > 10 mm

\* Other dimensions and cables to be validated by testing.



<b>DIMENSIONS</b> (mm)	471 x 415 x 116
<b>WEIGHT</b>	2.050 kg

- > Case and charger supplied with the tool.
- > Accessories **NEOELEC™**  
See **PAGE 98**.



**NEOELEC™**  
**BCL035C**

**HYDRAULIC CABLE-CUTTER  
BATTERY-OPERATED SHEARS TYPE**

> Force, stroke and capacities identical to tools **XCH035C** and to battery-operated tool **BCE035i**.



**SHEARS TYPE**

To cut cables in confined areas  
(> direct access, without closing the head).



**REINFORCED & TAPERED BLADES**

Facilitates clean cutting of copper and aluminum cables.



**IDENTICAL & INTERCHANGEABLE BLADES**

Easy to replace and use.  
P/N 78431.



**ROTATIVE HEAD**

180°.

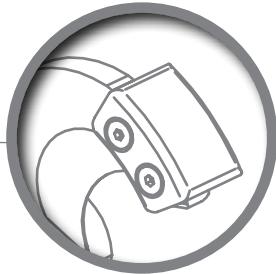


Do not use on live cables.



**TAPERED BLADES**  
Ideal for cutting fine multi-strand cables

**GUIDING SHOE**  
Avoids gap between blades.



**CABLE TYPES**  
multistrand copper and aluminum

**MAX. DIAMETER**  
Ø 35 mm



<b>FORCE</b> (on the piston)	43 kN
<b>CUTTING TIME</b>	8 to 12 s
<b>BATTERY LIFE</b> – DEPENDS ON THE MATERIAL	
<b>DIMENSIONS</b> (L × w × h in mm)	445 × 78 × 107
<b>WEIGHT</b> (with battery)	3.300 kg
<b>ACOUSTIC POWER LEVEL</b> (LwA)	75 dB(A)
<b>THE EFFECTIVE WEIGHTED ACCELERATION</b>	<2.5m/s <sup>2</sup>

<b>MAX. CUTTING CAPACITIES</b>	<i>Cutting tests possible.</i>
<b>SEMI-RIGID MULTISTRAND CU CABLE</b>	240 mm <sup>2</sup>
<b>FLEXIBLE MULTISTRAND CU CABLE</b> (very fine strands)	Ø 35 mm – 300 mm <sup>2</sup>
<b>MULTISTRAND ALUMINUM CABLE</b>	Ø 35 mm
<b>TELEPHONE CABLE</b>	Ø 35 mm

*Does not cut bars or steel-reinforced cables.*



<b>DIMENSIONS</b> (mm)	555 × 375 × 180
<b>WEIGHT</b>	3.900 kg

- > Case and charger supplied with the tool.
- > Accessories **NEOELEC™**  
See **PAGE 98**.



**GUIDING SHOE**  
Avoids gap between blades



**TAPERED BLADES**  
Ideal for cutting fine multi-strand cables.



NEOELEC™

# BCL050C



HYDRAULIC CABLE-CUTTER  
BATTERY-OPERATED SHEARS TYPE

**SHEARS TYPE**

To cut cables in confined areas  
(> direct access, without closing the head).

**REINFORCED & TAPERED BLADES**

Facilitates clean cutting of copper and aluminum cables.

**IDENTICAL & INTERCHANGEABLE BLADES**

Easy to replace and use. P/N 93322.

**ROTATIVE HEAD**

180°.



Do not use on live cables.

**BATTERY LIFE AND CUTTING TIME**

DEPENDS ON THE MATERIAL

**DIMENSIONS** (L x w x h in mm)

515 x 75 x 140

**WEIGHT** (with battery)

3.600 kg

**ACOUSTIC POWER LEVEL**

75 dB(A)

**THE EFFECTIVE WEIGHTED ACCELERATION**<2.5m/s<sup>2</sup>**CABLE TYPES\*****ALUMINUM CABLES**

3 x 185 mm<sup>2</sup> + 1 x 70 mm<sup>2</sup> with shielding  
3 x 185 mm<sup>2</sup> + 1 x 70 mm<sup>2</sup> solid with shielding

**COPPER CABLES**

4 x 70 mm<sup>2</sup> with shielding  
3 x 150 mm<sup>2</sup>  
2 x 185 mm<sup>2</sup>

\* Non-exhaustive examples.

Other dimensions and cables to be validated by testing.



**DIMENSIONS** (mm) 555 x 375 x 180

**WEIGHT** (empty) 3.900 kg

> Case and charger supplied with the tool.

> Accessories **NEOELEC™**  
See **PAGE 98**.



INTERCHANGEABLES BLADES

**NEOELEC™**  
**BCLSTRU**

NEW

**HYDRAULIC STRUT-CUTTER  
BATTERY-OPERATED RAIL STRUT CUTTER**

> Force, stroke and capacities identical to tools **XCMSTRU** and to battery-operated tool **BCPSTRU**.

**REINFORCED & TAPERED BLADES**

Facilitates clean cutting.

**IDENTICAL & INTERCHANGEABLE BLADES**

Easy to replace and use.

P/N 95263+95264 : 41x41 (deliver with the tool)

P/N 95265+95266 : 21x21 (option)

P/N 95267+95268 : Z profil (option)

P/N 95269+95270 : L profil 24x24 + TELEX 30 profil + U 24x24x24 (option)

\* does not cut stainless steel



Do not use on live profile

**PROFIL TYPES**  
 41x41, 41x21, Z,  
 L,TELEX
**CUTTING TIME**

8 to 12 s

**BATTERY LIFE** – DEPENDS ON THE MATERIAL**DIMENSIONS** (L x w x h in mm)

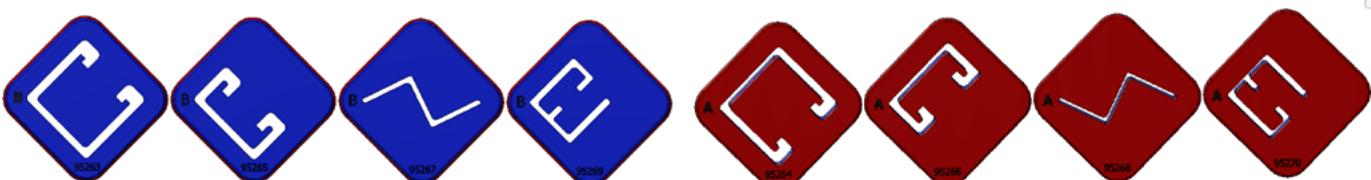
520 x 100 x 115

**WEIGHT** (with battery)

3.300 kg

**ACOUSTIC POWER LEVEL**  
(LwA)

75 dB(A)

**THE EFFECTIVE WEIGHTED  
ACCELERATION**<2.5m/s<sup>2</sup>**DIMENSIONS** (mm) 555 x 375 x 180**WEIGHT** 3.900 kg

&gt; Case and charger supplied with the tool.

> Accessories **NEOELEC™**See **PAGE 98**.



INTERCHANGEABLES BLADES

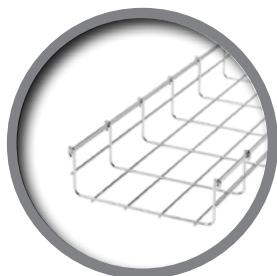
NEOELEC™

# BCLTRAY

NEW

HYDRAULIC TRAY CUTTER  
BATTERY-OPERATED TRAY TYPE

MAX. DIAMETER  
Ø 6mm

**SHEARS TYPE**

To cut tray in confined areas  
(> direct access, without closing the head).

**IDENTICAL & INTERCHANGEABLE BLADES**

Easy to replace and use. DCE1581.

**ROTATIVE HEAD**

180°.

**BATTERY LIFE AND CUTTING TIME**

DEPENDS ON THE MATERIAL

**DIMENSIONS** (L x w x h in mm)

515 x 75 x 140

**WEIGHT** (with battery)

3.550 kg

**ACOUSTIC POWER LEVEL**

75 dB(A)

(LwA)

**THE EFFECTIVE WEIGHTED ACCELERATION**

<2.5m/s<sup>2</sup>



*Do not use on live tray.*



**DIMENSIONS** (mm) 555 x 375 x 180

**WEIGHT** (empty) 3.900 kg

> Case and charger supplied with the tool.

> Accessories **NEOELEC™**  
See **PAGE 98**.

**QUICK OPENING & CLOSING**

Easy to replace die sets.

**HEXAGONAL CRIMPING**  
**4 > 95 mm<sup>2</sup>****NEOELEC™**  
**BPL031****BATTERY-OPERATED HYDRAULIC CRIMPING PRESS**

> Force, stroke and capacities identical to manual tool **MPP031** and to battery-operated tool **BPE031**.

**NARROW HEAD**

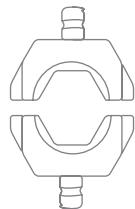
To work in switchboards.

**EXCELLENT WEIGHT-TO-CAPACITY RATIO**2.100 kg – 35 kN – 95 mm<sup>2</sup>.**ROTATIVE HEAD**

180°.



Do not use on live cables.

**DIE SETS** – See **PAGE 137**.

> Common interchangeable die sets for **MPP031**, **BPE031** & **BPL031** tools.

<b>STROKE</b>	8 mm
<b>FORCE</b>	35 kN
<b>CRIMPING TIME</b> (depends on cross-section to be crimped)	3 to 4 s
<b>BATTERY LIFE</b> (approx. on 95 mm <sup>2</sup> copper)	270 crimps
<b>DIMENSIONS</b> (L x w x h in mm)	340 x 75 x 128
<b>WEIGHT</b> (with battery)	2.100 kg
<b>ACOUSTIC POWER LEVEL</b> (LwA)	75 dB(A)
<b>THE EFFECTIVE WEIGHTED ACCELERATION</b>	<2.5m/s <sup>2</sup>

**APPLICATIONS**

◆ Copper lugs and sleeves – NFC 20-130	4 > 95 mm <sup>2</sup>
◆ Bare or pre-insulated copper sleeves – EDF	E54 > E140
◆ Copper/aluminum lugs and sleeves – DIN 48083	KZ4 > KZ18
◆ C-shaped connectors	C6 > C16
◆ Copper lugs and sleeves – NFC 20-130	10 > 70 mm



<b>DIMENSIONS</b> (mm)	471 x 415 x 116
<b>WEIGHT</b>	2.050 kg

- > Case and charger supplied with the tool.  
> Accessories **NEOELEC™**  
See **PAGE 98**.



# NEOELEC™ **BPL036**

## BATTERY-OPERATED HYDRAULIC CRIMPING PRESS

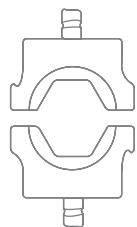
> Force, stroke and capacities identical to manual tool **MPP036** and to battery-operated tool **BPE036**.

 **EXTREMELY DURABLE ALUMINUM FORK**  
Force 35 kN.

 **EXCELLENT WEIGHT-TO-CAPACITY RATIO**  
2.200 kg – 35 kN – 150 mm<sup>2</sup>.

 **ROTATIVE HEAD**  
180°.

 Do not use on live cables.



 **DIE SETS** – See **PAGE 137**.

> Common interchangeable die sets for **MPP036**, **BPE036** & **BPL036** tools.

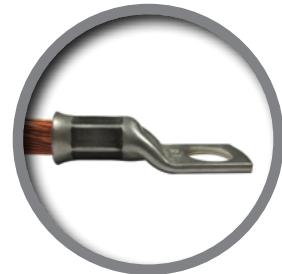


### QUICK OPENING & CLOSING

Easy to replace die sets.



**HEXAGONAL CRIMPING**  
**4 > 150 mm<sup>2</sup>**



<b>STROKE</b>	8 mm
<b>FORCE</b>	35 kN
<b>CRIMPING TIME</b> (depends on cross-section to be crimped)	3 to 4 s
<b>BATTERY LIFE</b> (approx. on 120 mm <sup>2</sup> copper)	260 crimps
<b>DIMENSIONS</b> (L x w x h in mm)	355 x 75 x 128
<b>WEIGHT</b> (with battery)	2.150 kg
<b>ACOUSTIC POWER LEVEL</b> (LwA)	75 dB(A)
<b>THE EFFECTIVE WEIGHTED ACCELERATION</b>	<2.5m/s <sup>2</sup>



### APPLICATIONS

◆ Copper lugs and sleeves – NFC 20-130	4 > 150 mm <sup>2</sup>
◆ Bare or pre-insulated copper/alu. sleeves – EDF	E54 > E215
◆ Copper/aluminum lugs and sleeves – DIN 48083	KZ4 > KZ22
◆ "C" connectors	C6 > C16
◆ Pre-rounding	10 > 120 mm <sup>2</sup>
◆ Copper lugs and sleeves – NFC 20-130	10 > 95 mm <sup>2</sup>



<b>DIMENSIONS</b> (mm)	471 x 415 x 116
<b>WEIGHT</b>	2.050 kg

- > Case and charger supplied with the tool.  
> Accessories **NEOELEC™**  
See **PAGE 98**.



## **NEOELEC™ BPL055**

### BATTERY-OPERATED HYDRAULIC CRIMPING PRESS

> Force, stroke and capacities identical to manual tool **PL051-052** and to battery-operated tool **BPE055**.



#### **BALL HEAD DOWEL**

Can accommodate 38 mm (DUBUIS) or 30 mm (other manufacturers) wide die sets.



#### **INTERCHANGEABLE DIE SETS**

Simple or reversible.

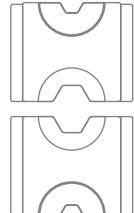


#### **ROTATIVE HEAD**

180°.



*Do not use on live cables.*



**DIE SETS** – See **PAGE 137**.

> Common interchangeable die sets for **MPL051-052**, **BPE055** & **BPL055** tools.



#### **QUICK OPENING & CLOSING**

Easy to replace die sets.



#### **HEXAGONAL CRIMPING** **4 > 240 mm<sup>2</sup>**



**STROKE** 13 mm

**FORCE** 55 kN

**CRIMPING TIME** (depends on cross-section to be crimped) 3 to 5 s

**BATTERY LIFE** (approx. on 185 mm<sup>2</sup> copper) 220 crimps

**DIMENSIONS** (L x w x H in mm) 390 x 75 x 128

**WEIGHT** (with battery) 2.900 kg

**ACOUSTIC POWER LEVEL** (LwA) 75 dB(A)

**THE EFFECTIVE WEIGHTED ACCELERATION** <2.5m/s<sup>2</sup>



#### **APPLICATIONS**

#### **CROSS-SECTIONS**

◆ Copper lugs and sleeves – NFC 20-130 4 > 240 mm<sup>2</sup>

◆ Copper/aluminum lugs and sleeves – DIN 48083 KZ6 > KZ32

◆ C-shaped connectors C6 > C35

◆ Pre-rounding 6 > 240 mm<sup>2</sup>

◆ Bare or pre-insulated copper/aluminum sleeves E54 > E215



**DIMENSIONS** (mm) 471 x 415 x 116

**WEIGHT** 2.050 kg

> Case and charger supplied with the tool.

> Accessories **NEOELEC™**  
See **PAGE 98**.



**NEOELEC™**

# BPL060F

HYDRAULIC PRESS

**BATTERY-OPERATED, DIELESS** CLOSED HEAD

> Available in mini-pistol version **BPE060F** and inline **BPP060F**

Tool designed for crimping standard lugs and sleeves for multi-strand cables.



**ROTATIVE HEAD**  
360°.



*Do not use on live cables.*

#### 4-INDENT CRIMPING

10 > 400 (8AWG > 750Kcmil) – Cu  
10 > 300 (8AWG > 600Kcmil) – Al

NEW

**STROKE**

32 mm

**FORCE**

60 kN

**CRIMPING TIME** (depends on cross-section to be crimped) 5 to 7 s

**BATTERY LIFE** (approx. 340 crimps on 350 MCM (185 mm<sup>2</sup>))

**DIMENSIONS** (L × w × h in mm) 490 × 75 × 150

**WEIGHT** (with battery) 4.200 kg

**ACOUSTIC POWER LEVEL** (LwA) 75 dB(A)

**THE EFFECTIVE WEIGHTED ACCELERATION** <2.5m/s<sup>2</sup>

**DIMENSIONS** (mm) 555 × 375 × 180

**WEIGHT** 3.900 kg

> Case and charger supplied with the tool.

> Accessories **NEOELEC™**  
See **PAGE 98**.




**BPL061**
NEW
**BATTERY-OPERATED HYDRAULIC CRIMPING PRESS**

- > Force, stroke and capacities identical to battery-operated tools **BPE061** and **BPP061**.
- > Compatible with the die sets used by the Deutsche Bahn.

**TESTED AND APPROVED BY THE DEUTSCHE BAHN**

**EXCELLENT WEIGHT-TO-CAPACITY RATIO**  
Up to 240 mm<sup>2</sup>.

**SWITCHES OFF AUTOMATICALLY**  
To reduce battery consumption.

**ROTATIVE HEAD**  
270°.

**ADVANCED ELECTRONIC MANAGEMENT**  
USB connection for project analysis  
LED lighting of the work area.

**NARROW HEAD**  
To work in switchboards.

**INTERCHANGEABLE DIE SETS**



**DIE SETS – See PAGE 146.**

- > Common interchangeable die sets for **BPE061**, **BPL061** & **BPP061** tools. Please contact us for other dimensions.

Do not use on live cables.



**HEXAGONAL CRIMPING**  
**10 to 185 mm<sup>2</sup> Al**  
**6 to 240 mm<sup>2</sup> Cu**



<b>STROKE</b>	18 mm
<b>FORCE</b>	62 kN
<b>CRIMPING TIME</b> (depends on cross-section to be crimped)	4 to 7 seconds
<b>BATTERY LIFE</b> (approx. on 185 mm <sup>2</sup> )	200 crimps
<b>DIMENSIONS</b> (L x w x h in mm)	390 x 75 x 128
<b>WEIGHT</b> (with battery)	3.350 kg
<b>ACOUSTIC POWER LEVEL</b> (LwA)	75 dB(A)
<b>THE EFFECTIVE WEIGHTED ACCELERATION</b>	<2.5m/s <sup>2</sup>

<b>APPLICATIONS</b>	<b>CROSS-SECTIONS</b>
Copper/aluminum lugs and sleeves – DIN 48083	KZ5 > KZ28
Pre-rounding	10 > 240 mm <sup>2</sup>



<b>DIMENSIONS</b> (mm)	520 x 440 x 130
<b>WEIGHT</b> (empty)	2.300 kg

- > Case and charger supplied with the tool.
- > Accessories **NEOELEC™**  
See **PAGE 98**.



# NEOELEC™ **BPL062**

## BATTERY-OPERATED HYDRAULIC CRIMPING PRESS

> Force, stroke and capacities identical to the manual tool **MPL062** and battery-operated tools **BPE062 & BPP062**.

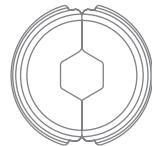
### **VERY LIGHT HEAD**

Excellent weight-to-capacity ratio.

### **COMPATIBLE DIE SETS** 62 kN die sets.

### **ROTATIVE HEAD** 180°.

Do not use on live cables.



### **62 kN DIE SETS – See [PAGE 137](#).**

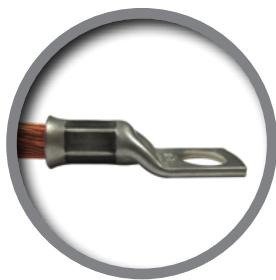
> Common interchangeable die sets for **XPM062, MPL062, BPE062, BPL062 & BPP062** tools.

### **QUICK OPENING & CLOSING**

Easy to replace die sets.



### **HEXAGONAL CRIMPING** **6 > 300 mm²**



<b>STROKE</b>	14 mm
---------------	-------

<b>FORCE</b>	62 kN
--------------	-------

<b>CRIMPING TIME</b> (depends on cross-section to be crimped)	3 to 5 s
---	----------

<b>BATTERY LIFE</b> (approx. on 185 mm² copper)	220 crimps
---	------------

<b>DIMENSIONS</b> (L x w x h in mm)	395 x 75 x 128
-------------------------------------	----------------

<b>WEIGHT</b> (with battery)	3.300 kg
------------------------------	----------

<b>ACOUSTIC POWER LEVEL</b> (LwA)	75 dB(A)
--------------------------------------	----------

<b>THE EFFECTIVE WEIGHTED ACCELERATION</b>	<2.5m/s²
--	----------

### **APPLICATIONS**

	<b>CROSS-SECTIONS</b>
◆ Copper lugs and sleeves – NFC 20-130	6 > 300 mm²
◆ Copper/aluminum lugs and sleeves – DIN 48083 KZ6 > KZ34	
◆ C-shaped connectors	C10 > C50
◆ Pre-rounding	25 > 240 mm²
◆ Bare or pre-insulated copper/aluminum sleeves	E54 > E260



<b>DIMENSIONS</b> (mm)	471 x 415 x 116
------------------------	-----------------

<b>WEIGHT</b>	2.050 kg
---------------	----------

> Case and charger supplied with the tool.

> Accessories **NEOELEC™**  
See [PAGE 98](#).



NEOELEC™

BATTERY-OPERATED TOOLS | PISTOL TYPE

18 V

5.0 Ah  
Li-Ion

EQUIPPED WITH A MECHANICAL STOP THAT BLOCKS THE PISTON AT THE END OF ITS STROKE.

Improved cutting or crimping speed with a high-performance motor.



Quick motor stop function after cutting or crimping for greater safety.

[www.dubuis.com](http://www.dubuis.com)



Two-speed hydraulic pump for quick advance.



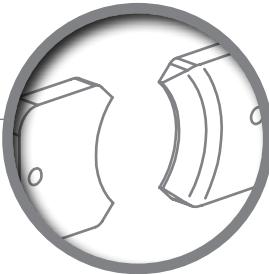
# BATTERY-OPERATED HYDRAULIC TOOLS

TYPE **PISTOL**

		BCP040G	<a href="#">page 78</a>		BCPSTRU	<a href="#">page 83</a>
		BCP045G	<a href="#">page 79</a>			
		BCP055G	<a href="#">page 80</a>			
		BCP065C	<a href="#">page 81</a>			
		BCP085GD	<a href="#">page 82</a>			
		BPP060F	<a href="#">page 84</a>		BPP130U	<a href="#">page 90</a>
		BPP061	<a href="#">page 85</a>		BPP1351	<a href="#">page 91</a>
		BPP062	<a href="#">page 86</a>		BPP200H	<a href="#">page 92</a>
		BPP080	<a href="#">page 87</a>		BPP220H	<a href="#">page 93</a>
		BPP1301-02-03	<a href="#">page 88</a>		BPP240H	<a href="#">page 94</a>
		BPP130D	<a href="#">page 89</a>			
FORCE CONTROL						<a href="#">page 96</a>
CONTROL SOFTWARE						<a href="#">page 97</a>
ACCESSORIES						<a href="#">page 98</a>

**LOCK-PIN**

Captive, to close the head safely.

**CABLE TYPES**

copper, aluminum and steel

**MAX. DIAMETER**

**Ø 40 mm**

(depending on cables)



NEOELEC™

**BCP040G**
**HYDRAULIC CABLE-CUTTER  
BATTERY-OPERATED GUILLOTINE TYPE**

> Force, stroke and capacities identical to tools MCL040G & XCH040G.

**REINFORCED BLADES | SPECIAL COATING**

Lengthens the blades' service life (> steel cutter).

**IDENTICAL BLADE & COUNTER-BLADE**

Facilitates cutting.

**INTERCHANGEABLE BLADES**

Easy to replace. P/N 36052.

**ROTATIVE HEAD**

180°.



Do not use on live cables.

**FORCE**

88 kN

**CUTTING TIME**

8 to 20 s

**BATTERY LIFE – DEPENDS ON THE MATERIAL****DIMENSIONS (L x w x h in mm)**

470 x 86 x 335

**WEIGHT (with battery)**

7.600 kg

**ACOUSTIC POWER LEVEL**

(LwA) 75 dB(A)

**THE EFFECTIVE WEIGHTED ACCELERATION**

<2.5m/s<sup>2</sup>

> Case and charger supplied with the tool.

> Accessories NEOELEC™

See PAGE 98.

	<b>CABLE TYPES</b>	<b>MAX. HARDNESS</b>	<b>max. CUTTING Ø(mm) *</b>
<b>CABLES</b>	Copper	< 40 daN/mm <sup>2</sup>	Ø 32 (630 mm <sup>2</sup> )
	Aluminum	< 20 daN/mm <sup>2</sup>	Ø 40
	Almelec	< 34 daN/mm <sup>2</sup>	Ø 40
	Steel	< 180 daN/mm <sup>2</sup>	7 x Ø 3.0 (= Ø 9.0) 19 x Ø 2.1 (= Ø 10.5) 19 x Ø 2.3 (= Ø 11.5)
	Multi-strand steel	< 180 daN/mm <sup>2</sup>	Ø 18 (number of strands: 200)
	ACSR	< 180 daN/mm <sup>2</sup>	26 x Ø 2.50 + 7 x Ø 1.95 (= Ø 15.85) 26 x Ø 3.06 + 7 x Ø 2.38 (= Ø 19.38) 26 x Ø 3.60 + 7 x Ø 2.80 (= Ø 22.80) 54 x Ø 3.50 + 19 x Ø 2.10 (= Ø 31.50)
<b>BARS</b>	Steel	< 60 daN/mm <sup>2</sup>	Ø 18
		< 42 daN/mm <sup>2</sup>	Ø 20
	Copper	< 30 daN/mm <sup>2</sup>	Ø 30
		< 25 daN/mm <sup>2</sup>	Ø 32
	Aluminum	< 16 daN/mm <sup>2</sup>	Ø 40

\* Other dimensions and cables to be validated by testing.



## NEOELEC™ BCP045G

### HYDRAULIC CABLE-CUTTER BATTERY-OPERATED GUILLOTINE TYPE

> Force, stroke and capacities identical to tools MCL045G & XCH045G.



#### REINFORCED BLADES | SPECIAL COATING

Lengthens the blades' service life (> steel cutter).



#### IDENTICAL BLADE & COUNTER-BLADE

Facilitates cutting.



#### INTERCHANGEABLE BLADES

Easy to replace. P/N 78507.



#### ROTATIVE HEAD

220°.



Do not use on live cables.



<b>FORCE</b>	130 kN
<b>CUTTING TIME</b>	10 to 30 s
<b>BATTERY LIFE</b> – DEPENDS ON THE MATERIAL	
<b>DIMENSIONS</b> (L x w x h in mm)	505 x 86 x 335
<b>WEIGHT</b> (with battery)	8.650 kg
<b>ACOUSTIC POWER LEVEL</b> (LwA)	75 dB(A)
<b>THE EFFECTIVE WEIGHTED ACCELERATION</b>	<2.5m/s <sup>2</sup>

> Case and charger supplied with the tool.

> Accessories NEOELEC™

See PAGE 98.

### MAX. CUTTING CAPACITIES

\* Other dimensions and cables to be validated by testing.

	<b>CABLE TYPES</b>	<b>MAX. HARDNESS</b>	<b>max. CUTTING Ø(mm) *</b>
<b>CABLES</b>			
	Copper	< 40 daN/mm <sup>2</sup>	Ø 45
	Aluminum	< 20 daN/mm <sup>2</sup>	Ø 45
	Almelec	< 34 daN/mm <sup>2</sup>	Ø 45
	Steel	< 180 daN/mm <sup>2</sup>	7 x Ø 3.0 (= Ø 9.0) 19 x Ø 2.1 (= Ø 10.5) 19 x Ø 2.3 (= Ø 11.5)
	Multi-strand steel	< 180 daN/mm <sup>2</sup>	Ø 18 (number of strands: 200)
	ACSR	< 180 daN/mm <sup>2</sup>	26 x Ø 2.50 + 7 x Ø 1.95 (= Ø 15.85) 26 x Ø 3.06 + 7 x Ø 2.38 (= Ø 19.38) 26 x Ø 3.60 + 7 x Ø 2.80 (= Ø 22.80) 54 x Ø 3.50 + 19 x Ø 2.10 (= Ø 31.50) 54 x Ø 4.36 + 19 x Ø 2.62 (= Ø 39.20)
	(Aluminum Conductor Steel Reinforced)		
<b>BARS</b>			
	Stainless steel		> Please contact us.
	Steel	< 60 daN/mm <sup>2</sup>	Ø 20
		< 42 daN/mm <sup>2</sup>	Ø 22
	Copper	< 30 daN/mm <sup>2</sup>	Ø 33
		< 25 daN/mm <sup>2</sup>	Ø 35
	Aluminum	< 16 daN/mm <sup>2</sup>	Ø 45



**LOCK**  
To open and close the head quickly.



**CABLE TYPES**  
copper and aluminum

**MAX. DIAMETER**  
**Ø 55 mm**



## NEOELEC™ **BCP055G**

### HYDRAULIC CABLE-CUTTER **BATTERY-OPERATED GUILLOTINE TYPE**

> Force, stroke and capacities identical to tools **MCL055G & XCH055G**.



#### **NEW COUNTER-BLADE**

Reduces cable deformation when cutting.



#### **TAPERED BLADE & COUNTER-BLADE PROFILE**

Facilitates cutting (> copper and aluminum cables).  
Blade P/N 38000

Counter blade P/N 38001



#### **ROTATIVE HEAD**

270°.



Do not use on live cables.



#### **WIDE OPENING**

Makes it easier to pass cables through.



**DIMENSIONS** (mm) 594 x 494 x 149

**WEIGHT** 3.660 kg

> Case and charger supplied with the tool.

> Accessories **NEOELEC™**  
See **PAGE 98**.

### CUTTING CAPACITIES

\* Other dimensions and cables to be validated by testing.

	<b>CABLE TYPES</b>	<b>MAX. HARDNESS</b>	<b>CROSS-SECTIONS</b>	<b>MAX. CUTTING Ø *</b>
<b>CABLES</b>	Multi-strand copper Aluminum underground Telephone		4 x 185 mm <sup>2</sup> or 630 mm <sup>2</sup> max. 3 x 240 + 1 x 95 mm <sup>2</sup>	Ø 51 mm Ø 55 mm
<b>BARS</b>	Round annealed copper Round annealed aluminum (A5)	< 20 daN/mm <sup>2</sup> < 16 daN/mm <sup>2</sup>		Ø 16-18 mm Ø 20-25 mm



## NEOELEC™ BCP065C

### HYDRAULIC CABLE-CUTTER BATTERY-OPERATED SHEARS TYPE

> Force, stroke and capacities identical to tools XCH065C & MCL065C.



#### SHEARS TYPE

To cut cables in confined areas  
(> direct access, without closing the head).



#### ERGONOMIC HANDLE

For transport and a secure grip on the tool.



#### IDENTICAL BLADES

Facilitates cutting. P/N 78441.



#### ROTATIVE HEAD

180°.



*Do not use on live cables.*

**CABLE TYPES**  
copper and aluminum

**MAX. DIAMETER**  
Ø 65 mm



**FORCE** (on the piston) 90 kN

**CUTTING TIME** 7 to 15 s

**BATTERY LIFE** – DEPENDS ON THE MATERIAL

**DIMENSIONS** (L x w x h in mm) 525 x 100 x 360

**WEIGHT** (with battery) 7.600 kg

**ACOUSTIC POWER LEVEL**  
(LwA) 75 dB(A)

**THE EFFECTIVE WEIGHTED ACCELERATION** <2.5m/s<sup>2</sup>

#### MAX. CUTTING CAPACITIES \*

**COPPER CABLE** Ø 65 mm

**ALUMINUM CABLE** Ø 65 mm

Aluminum or copper cable cutting reinforced by steel strip possible.

\* Other dimensions and cables to be validated by testing.



**DIMENSIONS** (mm) 594 x 494 x 149

**WEIGHT** 3.660 kg

> Case and charger supplied with the tool.

> Accessories **NEOELEC™**  
See **PAGE 98**.



**LOCK-PIN**  
Captive, to close the head safely.



**WIDE OPENING**  
Facilitates passing of the cables.

**CABLE TYPES**  
copper and aluminum

**MAX. DIAMETER**  
 $\varnothing$  85 mm



## NEOELEC™ **BCP085GD**

### HYDRAULIC CABLE-CUTTER BATTERY-OPERATED GUILLOTINE TYPE

> Force, stroke and capacities identical to tools XCH085G & MCL085G.



#### **NEW COUNTER-BLADE**

Reduces cable deformation when cutting.



#### **TAPERED BLADE & COUNTER-BLADE PROFILE**

Facilitates cutting (> copper and aluminum cables).  
P/N 37016 (blade); P/N 37010 (counter-blade).



#### **ERGONOMIC HANDLE**

For transport and a secure grip on the tool.



#### **ROTATIVE HEAD**

180°.



Do not use on live cables.

**FORCE** 70 kN

**CUTTING TIME** 8 to 20 s

**BATTERY LIFE** – DEPENDS ON THE MATERIAL

**DIMENSIONS** (L x w x h in mm) 580 x 85 x 340

**WEIGHT** (with battery) 8.800 kg

**ACOUSTIC POWER LEVEL** (LwA) 75 dB(A)

**THE EFFECTIVE WEIGHTED ACCELERATION** <2.5m/s<sup>2</sup>

**DIMENSIONS** (mm) 594 x 494 x 149

**WEIGHT** 3.660 kg

> Case and charger supplied with the tool.

> Accessories **NEOELEC™**

See **PAGE 98**.



### CUTTING CAPACITIES

**CABLE TYPES** **MAX. CABLE Ø\***

**INSULATED ALUMINUM CABLES UNDERGROUND** 3 x 240 mm<sup>2</sup> + 1 x 95 mm<sup>2</sup>  
1 x 630 mm<sup>2</sup> > 800 mm<sup>2</sup>

**COPPER CABLES** 4x240 mm<sup>2</sup> + 1x120 mm<sup>2</sup>

**TELEPHONE CABLES**  $\varnothing$  85 mm

\* Other dimensions and cables to be validated by testing.



**PROFIL TYPES**  
41x41, 41x21, Z,  
L,TELEX



NEOELEC™  
**BCPSTRU**

HYDRAULIC STRUT CUTTER  
**BATTERY-OPERATED**

> Available in mini-pistol version **XCMSTRU** and inline **BCLSTRU**



**REINFORCED & TAPERED BLADES**

Facilitates clean cutting.



**IDENTICAL & INTERCHANGEABLE BLADES**

Easy to replace and use.

P/N 95263+95264 : 41x41 (deliver with the tool)

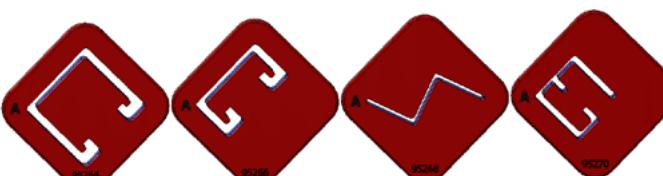
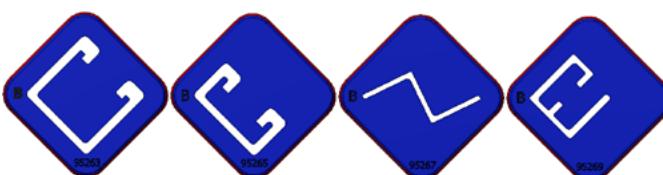
P/N 95265+95266 : 21x21 (option)

P/N 95267 +95268: Z profil (option)

P/N 95269+95270 : L profil 24x24 + TELEX 30 profil

+ U 24x24x24 (option)

\* does not cut stainless steel



**CUTTING TIME** 8 to 12 s

**BATTERY LIFE** – DEPENDS ON THE MATERIAL

**DIMENSIONS** (L x w x h in mm) 485x348x125

**WEIGHT** (with battery) 3.300 kg

**ACOUSTIC POWER LEVEL** (LWA) 75 dB(A)

**THE EFFECTIVE WEIGHTED ACCELERATION** <2.5m/s<sup>2</sup>



**DIMENSIONS** (mm) 594 x 494 x 149

**WEIGHT** 3.660 kg

> Case and charger supplied with the tool.

> Accessories **NEOELEC™**

See **PAGE 98**.



WHATEVER THE CROSS-SECTION.

**4-INDENT CRIMPING**

10 > 400 (8AWG > 750Kcmil) – Cu  
10 > 300 (8AWG > 600Kcmil) – Al

**NEOELEC™****BPP060F****HYDRAULIC CRIMPING PRESS****BATTERY-OPERATED, DIELESS**CLOSED HEAD> Available in mini-pistol version **BPE060F** and inline **BPL060F**

Tool designed for crimping standard lugs and sleeves for multi-strand cables.



**ROTATIVE HEAD**  
360°.



*Do not use on live cables.*

<b>STROKE</b>	32 mm
<b>FORCE</b>	60 kN
<b>CRIMPING TIME</b> (depends on section to be crimped)	5 to 7 s
<b>BATTERY LIFE</b> (approx. 340 crimps on 350 MCM (185 mm <sup>2</sup> ))	
<b>DIMENSIONS</b> (L x w x h in mm)	445 x 86 x 350
<b>WEIGHT</b> (with battery)	5.800 kg
<b>ACOUSTIC POWER LEVEL</b> (LwA)	75 dB(A)
<b>THE EFFECTIVE WEIGHTED ACCELERATION</b>	<2.5m/s <sup>2</sup>



<b>DIMENSIONS</b> (mm)	594 x 494 x 149
<b>WEIGHT</b>	3.660 kg

- > Case and charger supplied with the tool.
- > Accessories **NEOELEC™**  
See **PAGE 98**.



**HEXAGONAL CRIMPING**  
10 to 185 mm<sup>2</sup> Al  
6 to 240 mm<sup>2</sup> Cu



## NEOELEC™ **BPP061**

### BATTERY-OPERATED HYDRAULIC CRIMPING PRESS

> Force, stroke and capacities identical to tools **XPM061**, **BPE061** and **BPL061**.  
> Compatible with the die sets used by the Deutsche Bahn.



#### TESTED AND APPROVED BY THE DEUTSCHE BAHN



#### OUR FASTEST CRIMPING PRESS

Precise control of the advance and return.



#### BALANCED AND ERGONOMIC TOOL



#### EXCELLENT WEIGHT-TO-CAPACITY RATIO

Up to 240 mm<sup>2</sup>.



#### ROTATIVE HEAD

270°.



#### ADVANCED ELECTRONIC CONTROL

USB connection for project analysis.  
LED lighting of the work area.



#### NARROW HEAD

To work in switchboards.



#### INTERCHANGEABLE DIE SETS



DIE SETS – See [PAGE 146](#).

> Common interchangeable die sets for **BPE061**, **BPL061** & **BPP061** tools. Please contact us for other dimensions.



Do not use on live cables.

<b>STROKE</b>	18 mm
<b>FORCE</b>	62 kN
<b>CRIMPING TIME</b> (depends on cross-section to be crimped)	3 to 6 seconds
<b>BATTERY LIFE</b> (approx. on 185 mm <sup>2</sup> )	340 crimps
<b>DIMENSIONS</b> (L x w x h in mm)	375 x 86 x 350
<b>WEIGHT</b> (with battery)	5.600 kg
<b>ACOUSTIC POWER LEVEL</b> (LwA)	75 dB(A)
<b>THE EFFECTIVE WEIGHTED ACCELERATION</b>	<2.5m/s <sup>2</sup>

APPLICATIONS	CROSS-SECTIONS
Copper/aluminum lugs and sleeves – DIN 48083	KZ5 > KZ28
Pre-rounding	10 > 240 mm <sup>2</sup>

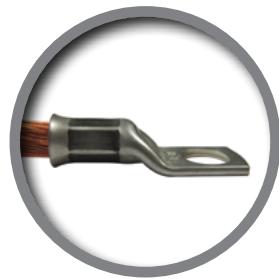


[www.dubuis.com](http://www.dubuis.com)

<b>DIMENSIONS</b> (mm)	594 x 494 x 149
<b>WEIGHT</b>	3.660 kg
> Case and charger supplied with the tool.	
> Accessories <b>NEOELEC™</b> See <a href="#">PAGE 98</a> .	


**QUICK OPENING & CLOSING**

Easy to replace die sets.


**HEXAGONAL CRIMPING**  
 $6 > 300 \text{ mm}^2$ 

**BPP062**
**BATTERY-OPERATED HYDRAULIC CRIMPING PRESS**

> Force, stroke and capacities identical to tools **MPL062 & XD62** and to battery-operated tools **BBPE062 & BPL062**.


**LIGHT HEAD**

Excellent weight-to-capacity ratio.


**COMPATIBLE DIE SETS**

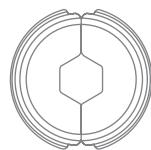
62 kN die sets.


**ROTATIVE HEAD**

270°.



Do not use on live cables.


**62 KN DIE SETS – See PAGE 137.**

> Common interchangeable die sets for **MPL062, XD62, BPE062, BPL062 & BPP062** tools.

<b>STROKE</b>	13 mm
<b>FORCE</b>	62 kN
<b>CRIMPING TIME</b> (depends on cross-section to be crimped)	3 to 5 s
<b>BATTERY LIFE</b> (approx. on 185 mm <sup>2</sup> copper)	340 crimps
<b>DIMENSIONS</b> (L x w x H EN MM)	375 x 86 x 350
<b>WEIGHT</b> (with battery)	5.600 kg
<b>ACOUSTIC POWER LEVEL</b> (LwA)	75 dB(A)
<b>THE EFFECTIVE WEIGHTED ACCELERATION</b>	<2.5m/s <sup>2</sup>

**APPLICATIONS**
**CROSS-SECTIONS**

◆ Copper lugs and sleeves – NFC 20-130	6 > 300 mm <sup>2</sup>
◆ Copper/aluminum lugs and sleeves – DIN 48083	KZ6 > KZ34
◆ C-shaped connectors	C10 > C50
◆ Pre-rounding	25 > 240 mm <sup>2</sup>
◆ Bare or pre-insulated copper or aluminum sleeves	E54 > E260

<b>DIMENSIONS</b> (mm)	594 x 494 x 149
<b>WEIGHT</b>	3.660 kg

- > Case and charger supplied with the tool.  
 > Accessories **NEOELEC™**  
 See **PAGE 98**.





## NEOELEC™ **BPP080**

### BATTERY-OPERATED HYDRAULIC CRIMPING PRESS

> Force, stroke and capacities identical to manual tool **D80**.



#### LIGHT HEAD

Excellent weight-to-capacity ratio.



#### COMPATIBLE DIE SETS

62 & 80 kN ranges.

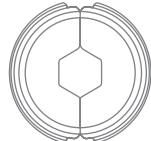


#### ROTATIVE HEAD

270°.



Do not use on live cables.



#### 80 kN DIE SETS – See **PAGE 137**.

> Common interchangeable die sets for **D80 & BPP080 / MPL062, XD62, BPE062, BPL062 & BPP062** tools.

<b>STROKE</b>	13 mm
<b>FORCE</b>	80 kN
<b>CRIMPING TIME</b> (depends on cross-section to be crimped)	4 to 6 s
<b>BATTERY LIFE</b> (approx. on 185 mm <sup>2</sup> copper)	300 crimps
<b>DIMENSIONS</b> (L × w × h in mm)	375 × 86 × 350
<b>WEIGHT</b> (with battery)	5.700 kg
<b>ACOUSTIC POWER LEVEL</b> (LwA)	75 dB(A)
<b>THE EFFECTIVE WEIGHTED ACCELERATION</b>	<2.5m/s <sup>2</sup>

APPLICATIONS	CROSS-SECTIONS
Hexagonal lugs and sleeves – NFC 20-130	6 > 300 mm <sup>2</sup>
Hexagonal lugs and sleeves – DIN 48083	KZ6 > KZ34
C-shaped connectors	C10 > C50
Pre-rounding	25 > 240 mm <sup>2</sup>
Bare or pre-insulated copper or aluminum sleeves	E54 > E280



**DIMENSIONS** (mm) 594 × 494 × 149

**WEIGHT** 3.660 kg

> Case and charger supplied with the tool.

> Accessories **NEOELEC™**  
See **PAGE 98**.



> Available with stroke of  
26, 38 & 44.  
(Please contact us)



## NEOELEC™ **BPP130** -1 -3 -4

### BATTERY-OPERATED HYDRAULIC CRIMPING PRESS

> Force, stroke and capacities identical to tools XPM130D, C130-xx, XC130-xx and to battery-operated tool BPE130.

Do not use on live cables.

**WIDE CRIMPING CAPACITY**  
From 6 to 400 mm<sup>2</sup>.

**CRIMPING OF OVERHEAD LINES**  
Tool particularly well-suited for this application.

**FITTED WITH A MECHANICAL STOP**  
Piston stops at the end of the stroke.

STROKE	26 mm (-1)	38 mm (-3)	44 mm (-4)
FORCE	130 kN	130 kN	130 kN
DIMENSIONS (L x w x h in mm)	395 x 86 x 335	425 x 86 x 335	435 x 86 x 335
WEIGHT (with battery)	6.800 kg	7.350 kg	7.280 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)	75 dB(A)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s <sup>2</sup>	<2.5m/s <sup>2</sup>	<2.5m/s <sup>2</sup>

APPLICATIONS	CROSS-SECTIONS (-26)	CROSS-SECTIONS (-38)	CROSS-SECTIONS (-44)
Copper lugs and sleeves – NFC 20-130	6 > 300 mm <sup>2</sup>	6 > 400 mm <sup>2</sup>	6 > 400 mm <sup>2</sup>
Bare or pre-insulated copper/alu. sleeves – EDF	E54 > E235	E54 > E280	E54 > E280
Copper/aluminum lugs and sleeves – DIN 48083	KZ6 > KZ28	KZ6 > KZ38	KZ6 > KZ38
C-shaped connectors	C10 > C70	C10 > C70	C10 > C70
Pre-rounding	50 > 300 mm <sup>2</sup>	50 > 300 mm <sup>2</sup>	50 > 300 mm <sup>2</sup>
Copper lugs and sleeves – NFC 20-130	10 > 240 mm <sup>2</sup>	10 > 240 mm <sup>2</sup>	10 > 240 mm <sup>2</sup>



**130 KN DIE SETS**  
See PAGE 137.

> Common interchangeable die sets for C130-xx, XC130-xx, BPE130 & BPP130x tools.

**COMPATIBLE DIE SETS**  
62 kN, 80 kN ranges



**DIMENSIONS** (mm) 594 x 494 x 149

**WEIGHT** 3.660 kg

> Case and charger supplied with the tool.

> Accessories **NEOELEC™**  
See PAGE 98.



# NEOELEC™ **BPP130D**

NEW IN  
2024

## BATTERY-OPERATED HYDRAULIC CRIMPING PRESS

> Force, stroke and capacities identical to tools **XPM130D**, **C130-3**, **BPP1303**, **XC130-3** and to battery-operated tool **BPE130**.

Do not use on live cables.



### WIDE CRIMPING CAPACITY

From 6 to 400 mm<sup>2</sup>.



### CRIMPING OF OVERHEAD LINES

Tool particularly well-suited for this application.



### FITTED WITH A MECHANICAL STOP

Piston stops at the end of the stroke.

### STROKE

**23 mm**

### FORCE

130 kN

### DIMENSIONS (L x w x h in mm)

395 x 86 x 345

### WEIGHT (with battery)

6.800 kg

### ACOUSTIC POWER LEVEL (LwA)

75 dB(A)

### THE EFFECTIVE WEIGHTED ACCELERATION

<2.5m/s<sup>2</sup>



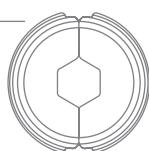
### VERY LIGHT HEAD

Excellent weight-to-capacity ratio.  
1 kg lighter than the BPP1303 for the same capacities

## APPLICATIONS

	Copper lugs and sleeves – NFC 20-130	6 > 400 mm <sup>2</sup>
	Bare or pre-insulated copper/alu. sleeves – EDF	E54 > E280
	Copper/aluminum lugs and sleeves – DIN 48083	KZ6 > KZ38
	C-shaped connectors	C10 > C70
	Pre-rounding	50 > 300 mm <sup>2</sup>
	Copper lugs and sleeves – NFC 20-130	10 > 240 mm <sup>2</sup>

Die sets  
**6 > 400 mm<sup>2</sup>**



**DIE SETS**  
See PAGE 137.

> Common interchangeable die sets for **XPM130D**, **C130-xx**, **XC130-xx**, **BPE130** & **BPP130x** tools.



**DIMENSIONS (mm)** 594 x 494 x 149

**WEIGHT** 3.660 kg

> Case and charger supplied with the tool.

> Accessories **NEOELEC™**  
See PAGE 98.



**NEOELEC™**  
**BPP130U**

**BATTERY-OPERATED HYDRAULIC  
DEEP INDENTING PRESS**

> Force, stroke and capacities identical to tools H130 & XH130.

**HEAD PER HN 68-S-90** (> EDF specification)  
For underground lines (bimetallic lugs & sleeves).

**MAX. DIAMETER 34 mm**  
In the head for large cross-sections.

**MECHANICAL STOP (NEW)**  
Piston stops at the end of the stroke.

**ROTATIVE HEAD**  
270°.

Do not use on live cables.



**SETUP 1  
FOR INDENTING APPLICATION**

> See PAGE 146.

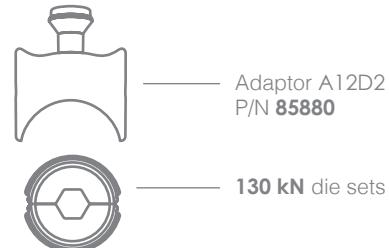
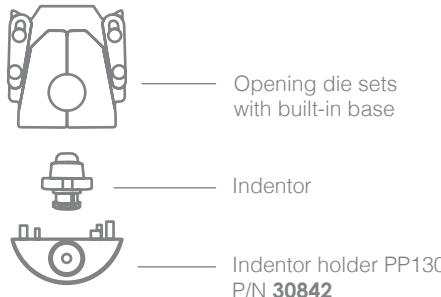
<b>STROKE</b>	26 mm
<b>MAX. DIAMETER</b>	34 mm
<b>FORCE</b>	130 kN
<b>DIMENSIONS (L x w x h in mm)</b>	410 x 86 x 335
<b>WEIGHT (with battery)</b>	6.400 kg
<b>ACOUSTIC POWER LEVEL (LwA)</b>	75 dB(A)
<b>THE EFFECTIVE WEIGHTED ACCELERATION</b>	<2.5m/s <sup>2</sup>



**SETUP 2  
FOR CRIMPING APPLICATION**

Crimping die sets for the 62, 80 & 130 kN product line, which can be used in this tool with the A12D2 adapter.

> See PAGE 137.



- Interchangeable, opening punches and dies that are common to tools H130, XH130 & BPP130U.



- > Case and charger supplied with the tool.
- > Accessories **NEOELEC™**  
See PAGE 98.



**HEXAGONAL CRIMPING**  
**#8AWG > 1500MCM**  
**10 mm<sup>2</sup> > 630 mm<sup>2</sup>**



NEOELEC™

# BPP1351

NEW IN  
2024

BATTERY-OPERATED HYDRAULIC  
CRIMPING PRESS

**HEAD OPTIMIZED BY GENERATIVE DESIGN**

Optimum weight and ergonomics with respect to the tool's capacities.

**TYPE OF DIE SETS**

Accepts "P" and "U" type die sets with adapter for C130 die set.

**MECHANICAL STOP**

Piston stops at the end of the stroke.

**ROTATIVE HEAD**

360°.



*Do not use on live cables.*

<b>STROKE</b>	52 mm
<b>MAX. DIAMETER</b>	34 mm
<b>FORCE</b>	135 kN
<b>DIMENSIONS (L × w × h in mm)</b>	500 × 75 × 310
<b>WEIGHT (with battery)</b>	8.600 kg
<b>ACOUSTIC POWER LEVEL (LwA)</b>	75 dB(A)
<b>THE EFFECTIVE WEIGHTED ACCELERATION</b>	<2.5m/s <sup>2</sup>



**DIMENSIONS (mm)** 594 × 494 × 149

**WEIGHT** 3.660 kg

> Case and charger supplied with the tool.

> Accessories **NEOELEC™**

See **PAGE 98**.



COMING SOON

# BPP200U

## BATTERY-OPERATED HYDRAULIC CRIMPING PRESS

> Dies set identical to tool XU250.

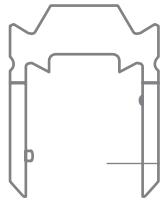
**HEAD PER HN.68.S.90** (> EDF specification)  
For underground lines (bimetallic lugs & sleeves).

**INDENTOR OR DIE SET LOCKS ON THE PISTON**  
Using a retractable wheel.

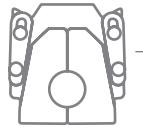
**INDENTOR OR DIE SET INDEXING**  
With screw to prevent rotation.

**MECHANICAL PISTON STOP**  
Piston stops at the end of the stroke.

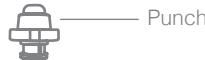
Do not use on live cables.



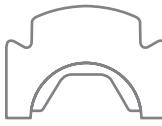
Adapter 2S1  
P/N: 30857



Opening die sets with  
built-in base  
**10 > 240 mm<sup>2</sup>**



**SETUP 1**  
PUNCHING APPLICATION



Die sets  
500 mm<sup>2</sup>  
P/N: 77687  
630 mm<sup>2</sup>  
P/N: 77686



Upper adapter  
P/N: 77408C



Lower adapter  
P/N: 77407C

**CASE**  
> See XPH130 .

**DIE SETS**  
> See PAGE 137.



Die sets  
**6 > 400 mm<sup>2</sup>**



**SETUP 2**  
CRIMPING APPLICATION

**SETUP 3**  
CRIMPING APPLICATION

**DIMENSIONS** (mm) 594 x 494 x 149

**WEIGHT** 3.660 kg

> Case and charger supplied with the tool.

> Accessories NEOELEC™  
See PAGE 98.



**EFFICIENT HEAD LOCKING**

Modified spindle wheel,  
captive spindle



**FITTED WITH A HOOK**  
to hang the head on a support while preparing for crimping.

**NEOELEC™  
BPP220H**
NEW IN  
2024
**BATTERY-OPERATED HYDRAULIC  
CRIMPING PRESS**

> Force and capacities identical to tool **XH220**.

**HEAD DESIGNED FOR OVERHEAD LINES** (> DB-SNCF specification)

For crimping, de-crimping catenary conductors

**STRONG HEAD**

Ideal for use on work sites.

**MECHANICAL STOP**

Piston stops at the end of the stroke.



Do not use on live cables.

<b>STROKE</b>	25 mm
<b>FORCE</b>	220 kN
<b>DIMENSIONS</b> (L x w x h in mm)	510x90x380
<b>WEIGHT</b> (with battery)	9.150 kg
<b>CRIMPING</b>	6>475 mm <sup>2</sup> AL
<b>ACOUSTIC POWER LEVEL</b> (LwA)	75 dB(A)
<b>THE EFFECTIVE WEIGHTED ACCELERATION</b>	<2.5m/s <sup>2</sup>

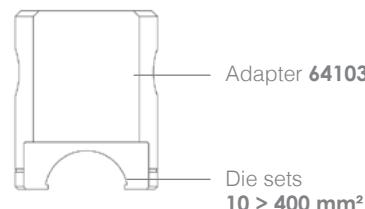
**CRIMPING CAPACITY**

APPLICATION	Stainless steel / Bronze end fitting or sleeve	Cu / Al / AlAc / Bz junction or termination	Bypass Copper / Bronze
CRIMPING TYPE			
CAPACITY	DE77S – DE100	SH16 - SH44	SV29 – SV52

**CRIMPING / DE-CRIMPING DIE SET:**

- Die sets common to heads XH220 and XH250R (See **PAGE 150**).
- Crimping die sets for the 130-kN range (See page 150), which can be used in this head with an adapter that is available as an option (with care).

► All our tools are supplied without die sets



**DIMENSIONS** (mm) 594 x 494 x 149

**WEIGHT** 3.660 kg

> Case and charger supplied with the tool.

> Accessories **NEOELEC™**  
See **PAGE 98**.





Die sets  
50 > 630 mm<sup>2</sup>



## NEOELEC™ **BPP240H**

NEW IN  
2024

### BATTERY-OPERATED HYDRAULIC CRIMPING PRESS

> Force and capacities identical to tool XH250.



**HEAD DESIGNED FOR CRIMPING DIN48083-3**  
(> catenary crimping DB specification)



#### STRONG HEAD

Ideal for use on work sites.



#### MECHANICAL STOP

Piston stops at the end of the stroke.



#### PORTABLE & LIGHT

Chain to retain the spindle.



#### ROBUST, VERY LARGE CAPACITY

MV and HV applications.



#### CLOSED BY LOCKING PIN

System for locking the upper die. Captive spindle.



#### SELF-CENTERING

The lower die is centered in the head.



*Do not use on live cables.*

### CRIMPING CAPACITY

APPLICATIONS	CROSS-SECTION
◆ Tubular copper lugs – NFC 20-130	50 > 630 mm <sup>2</sup>
◆ Copper or aluminum lugs & sleeves. – DIN 48083-3	KZ8 > KZ44



**DIMENSIONS** (mm) 594 x 494 x 149

**WEIGHT** 3.660 kg

> Case and charger supplied with the tool.

> Accessories NEOELEC™

See PAGE 98.



#### CRIMPING

#### catenary claw

(depends on the type of tool)

#### STROKE

25 mm

#### FORCE

240 kN

#### DIMENSIONS (L x w x h in mm)

457x98x380

#### WEIGHT (with battery)

9.000 kg

#### ACOUSTIC POWER LEVEL (LwA)

75 dB(A)

#### THE EFFECTIVE WEIGHTED ACCELERATION

<2.5m/s<sup>2</sup>



**DIE SETS** – See PAGE 137.



## PERSONAL NOTES

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DUBUIS



## FORCE CONTROL

### HYDRAULIC PRESS WITH ADJUSTABLE PRESSURE

> force can be adjusted over multiple ranges.

 **CONTROL SCREEN**  
for precise adjustment to requirements.

 **RANGE OF 100 BAR TO 700 BAR**  
In the head for large cross-sections.

 **PROGRAMMABLE**  
1 to 18 pressure ranges

**OUR DESIGN OFFICE IS AT YOUR DISPOSAL  
FOR ALL SPECIFIC STUDIES**



# CONTROL SOFTWARE

The tool is correctly connected when the LED ring lights up blue.



## CONNECT

the tool to the computer via a USB/mini USB cable.



## VIEW THE TOOL'S DATA

- Number of cycles performed.
- Number of cycles before maintenance.



## FIRMWARE UPDATE

Changes to software settings.



## DIAGNOSTICS

To check tool operation.



## JOB MANAGEMENT

To manage/edit, for a given job, the number of cycles completed and recorded as compliant or non-compliant.



## REPORT / RESULT

Get a complete operating certificate on tool conformity.



> Download via the website or contact the sales department.





NEOELEC™

| BATTERIES &amp; CHARGERS

**18 V**5.0 Ah  
Li-Ion**LED BATTERY CHARGE LEVEL INDICATOR**  
ON THE BACK OF THE BATTERY**EXCELLENT SERVICE LIFE**

No memory effect or self-discharge.

**OPTIMIZED WEIGHT****NYLON COATING**Nylon reinforced with "GFN" glass  
Withstands fuels, greases and certain petrochemicals  
Impact-resistant, non-slip, does not mark.**DEWALT LI-ION BATTERY CHARGER**

Variable and self-adapting charge level to match the battery voltage.

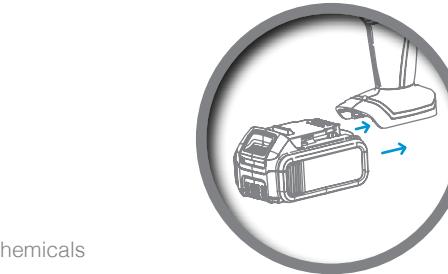
Recharges DEWALT 12 V, 18 V and 54 V XR Li-Ion batteries.

2-stage charging to provide maximum performance and battery durability.

Diagnostic system with LED charge status indicator:

battery charged, battery on charge, voltage drops and fault detected (battery too cold or too hot).

Available in 110 V or 220 V version with mains plug, or 12 V with cigar-lighter plug.

NEW IN  
2024> New reinforced  
batteries.**18 V** 2.0 Ah  
Li-Ion**HIGH PERFORMANCE RECHARGEABLE  
DEWALT 18 V LI-ION BATTERY.**

Longer battery life for maximum productivity:

- Short charging time:  
 – 30 min for a 2.0 Ah battery  
 – 75 min for a 5.0 Ah battery

Batteries compatible with the whole **NEOELEC™** Dubuis range.



# 18 V ACCESSORIES

## NEOELEC™



### RECHARGEABLE 18 V LI-ION BATTERY 2.0 Ah

P/N	DCB 183G-XJ
DIMENSIONS (L × w × h in mm)	115 × 75 × 45
WEIGHT	0.400 kg



### RECHARGEABLE 18 V LI-ION BATTERY 5.0 Ah

P/N	DCB184G-XJ
DIMENSIONS (L × w × h in mm)	115 × 75 × 65
WEIGHT	0.620 kg



### 12 V – 18 V LI-ION CIGAR-LIGHTER CHARGER

P/N	DCB1109-XJ
DIMENSIONS (L × w × h in mm)	180 × 120 × 80
WEIGHT	0.660 kg



### 220 V – 18 V LI-ION CHARGER

P/N	DCB1104-QW
DIMENSIONS (L × w × h in mm)	180 × 120 × 80
WEIGHT	0.540 kg

> Available in 110 V or with UK or US plug.



### BPL & BCL – CASE FOR ON-LINE TOOL

P/N	77501 supplied empty
DIMENSIONS (L × w × h in mm)	471 × 415 × 116
WEIGHT	2.050 kg



### BPP & BCP – CASE FOR PISTOL TOOL

P/N	93082 supplied empty
DIMENSIONS (L × w × h in mm)	594 × 494 × 149
WEIGHT	3.660 kg



# FLEXVOLT™ ACCESSORIES

> Innovative new 18 V/54 V batteries retro-compatible with all Dubuis 18 V tools prolonged battery life, increased power

## FLEXVOLT BATTERY

An innovative system detects the tool to which the battery XR FLEXVOLT is connected and switches automatically to 18 or 54 V.



### RECHARGEABLE 54 V/18 V LI-ION BATTERY 3 Ah/9 Ah

P/N	DCB547-XJ
DIMENSIONS (L x w x h in mm)	138 x 87 x 97
WEIGHT	1.46 kg



### RECHARGEABLE 54 V/18 V LI-ION BATTERY 5 Ah/15 Ah

P/N	DCB549-XJ
DIMENSIONS (L x w x h in mm)	175 x 80 x 97
WEIGHT	2.12 kg



### RECHARGEABLE 18 V LI-ION BATTERY 4 Ah/12 Ah

P/N	DCB548-XJ
DIMENSIONS (L x w x h in mm)	138 x 87 x 97
WEIGHT	1.46 kg

## DEWALT LI-ION DOUBLE BATTERY CHARGER

The DeWalt DCB132 charger is a fast double charger made by DeWalt. This high-performance and robust charger will meet all the expectations of professionals in terms of charging speed without, however, taking up too much room in a bag or transport case.

Its double port with a charging current of 4 A on each port allows you to charge two batteries quickly at the same time.

The DCB132 has an integrated diagnostics system with LED to indicate the charging level. Two-status indication:

- Battery charged
- Battery charging



## 220 V – 18 V LI-ION CHARGER

P/N	DCB132-QW
DIMENSIONS (L x w x h in mm)	340 x 144 x 88
WEIGHT	1.2 kg

## FAST CHARGER

The fastest DeWalt charger, with a 12 A output for use with XR 18 V and XR FLEXVOLT 54 V batteries

New charging indicator: indicates when a battery is 80% charged

Charging time for a DCB547 9 Ah battery to 80%: less than 45 minutes



## 220 V – 18 V LI-ION CHARGER

P/N	DCB117-QW
DIMENSIONS (L x w x h in mm)	223 x 139 x 84
WEIGHT	0.5 kg





700-BAR HYDRAULIC  
POWER PACKS TO  
BE CONNECTED  
WITH A  
**HIGH-PRESSURE  
HOSE** TO A  
HYDRAULIC HEAD.

CE UK  
DA



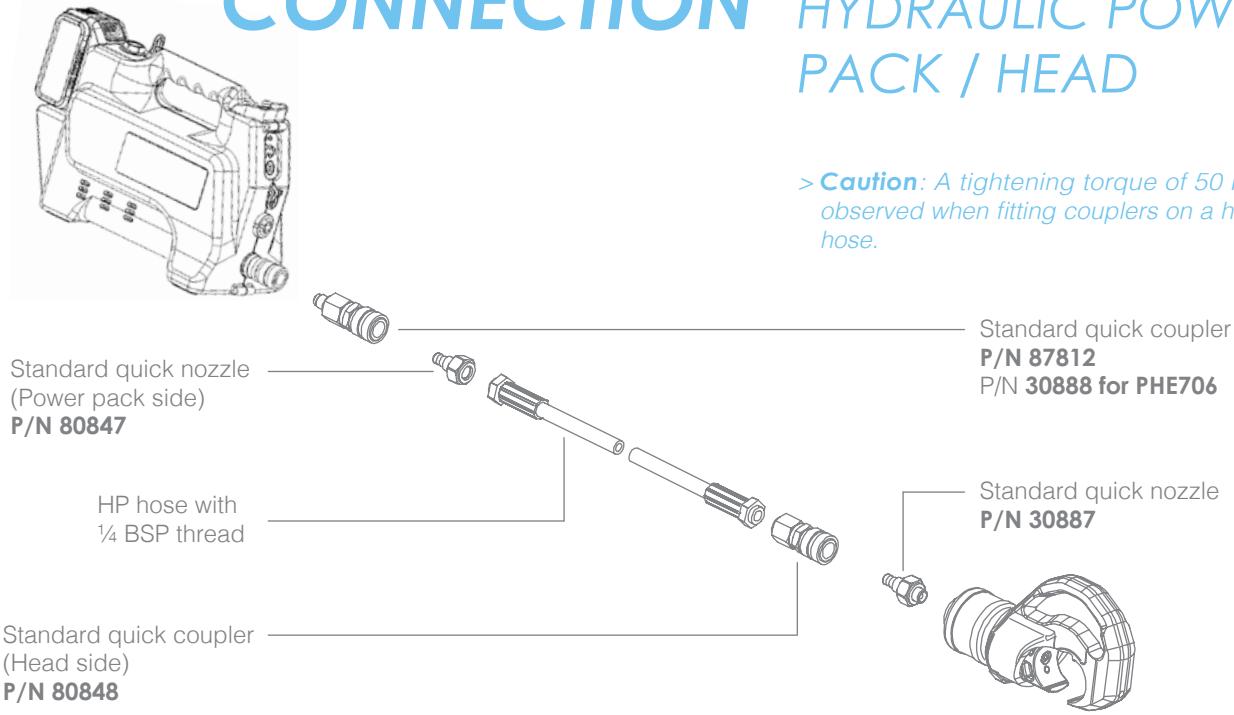
# HYDRAULIC POWER PACKS

POWER PACK/HYDRAULIC HEAD CONNECTION			<a href="#">page 104</a>
MANUAL		PHP700	<a href="#">page 105</a>
TO MAINS		PHE706	<a href="#">page 106</a>
TO BATTERIES		BGH701	<a href="#">page 108</a>
ACCESSORIES FOR HYDRAULIC POWER PACKS			<a href="#">page 110</a>
		COUPLER & HOSES	<a href="#">page 111</a>



# CONNECTION

## HYDRAULIC POWER PACK / HEAD



> **Caution:** A tightening torque of 50 Nm must be observed when fitting couplers on a high-pressure hose.

## 700 bar hoses

### FACTORY-TESTED HIGH-PRESSURE HOSES

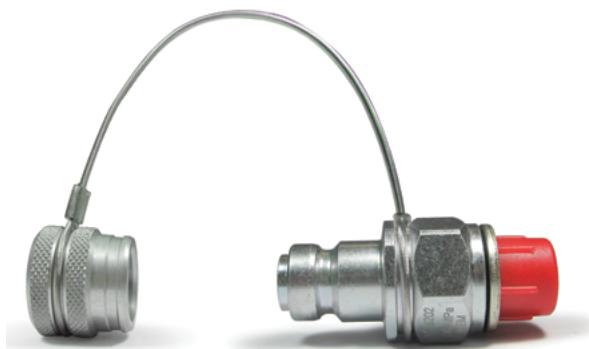
Valid for 3 years following date of commissioning.

### DIFFERENT LENGTHS

Depending on applications.

### WITH OR WITHOUT INSULATED REINFORCEMENT

> See PAGE 111.



## HYDRAULIC COUPLERS

### OUTLET THREAD 1/4 BSP

on all our hydraulic power packs and heads.

### DIFFERENT TYPES OF COUPLERS

**Ball-fitting:** quick connection capability with safety locking option

**Screw-on:** secure connection. Per EDF – LV

**Others: please contact us**

### ADAPTERS

For heads, couplers and hoses with 3/8 NPT

> See PAGE 111.



# PHP700

## HYDRAULIC FOOT PUMP

>P/N 87911



### COMPACT & LIGHT PUMP

Well-balanced weight/size ratio.



### TWO-SPEED HYDRAULIC SYSTEM

For fast cylinder advance at low pressure.



### FLEXIBLE TANK

To work in any position.

**AS AN OPTION:** Manual version

> All Dubuis 700-Bar hydraulic heads and tools can be used with this pump.



### FULL-LENGTH, WIDE CHASSIS

For greater stability during use.



### PEDAL LOCKING HOOK

Made of steel wire with plastic protection for a secure hold.



### ROBUST RELEASE LEVER

To be operated by foot.

PRESSURE	700 bar
OIL TANK	0.700 L
DIMENSIONS (L xWx h in mm)	620 x 175 x 165
WEIGHT	7.300 kg
FORCE ON PEDAL	38 daN



### ACCESSORIES FOR POWER PACKS, COUPLERS & HOSES

> See PAGE 111.



DIMENSIONS (mm)	473 x 759 x 486
WEIGHT	8.500 kg
P/N	91716 as an option
CAPACITY	Pump + 1 hose assembly + 1 hydraulic head + various accessories



SNCF APPROVAL № IPM 02080

# PHE706

## 220 V ELECTRIC HYDRAULIC POWER PACK

&gt;P/N 82913



### DESIGNED FOR INTENSIVE USE

- Ideal for use in the workshop.



### POWERFUL & SILENT MOTOR

Offers an excellent weight-to-capacity ratio.



### CONSTANT, HIGH FLOW-RATE

e.g. 6 x 185 mm<sup>2</sup> lugs crimped per minute with an XC130 hydraulic head.

> All Dubuis 700-bar hydraulic heads can be used with this power pack.



### LARGE OIL VOLUME

- Oil cooling capacity for intensive use.
- Easily accessible tank filling and draining.
- Oil level display.



### EMERGENCY CONTROL

Manual pressure release in case of electrical malfunction.

#### PRESSURE

700 Bar

#### POWER SUPPLY

220 V - 50 Hz  
(110-V 50-Hz model available,  
or fitted with UK or US plug)

#### NOISE LEVEL

&lt; 80 dB (A)

#### OIL TANK

2 L

#### DIMENSIONS (mm)

380 x 200 x 420

#### WEIGHT

17 kg (including oil)

#### 550-W single-phase 220 V –

50 Hz asynchronous motor  
Starting capacitor (for starting under load).

Motor stops automatically at 700 Bar

160-mA fuse

Thermal protection against overheating

Mechanical overpressure protection

Flow rate 0.8 L/min

Protection level: IP 55 according to NF EN 60529



#### 160 mA fuse

Two additional 160 mA fuses in a bag.

> Supplied with the tool.



#### TWO-FUNCTION REMOTE CONTROL

Advance/Hold – Return  
cable length: 3 m

> Supplied with the tool.



#### ACCESSORIES FOR POWER PACKS, COUPLERS & HOSES

> See PAGE 111.



#### DIMENSIONS (mm)

473 x 759 x 486

#### WEIGHT

8.500 kg

#### P/N

91716 as an option

#### CAPACITY

Equipped power pack + 1 hose assembly +  
1 hydraulic head + various accessories



Improved cutting or crimping speed with a high-performance motor.



Quick motor stop function after cutting or crimping for greater safety.

Tool switches to standby after 10 min.

[www.dubuis.com](http://www.dubuis.com)



Two-speed hydraulic pump for fast advance.



**SNCF APPROVAL № AGT 22526**

NEOELEC™

# BGH701

BATTERY-OPERATED  
HYDRAULIC POWER PACK 18 V 5.0 Ah LI-ION

700  
bar



#### ULTRA-LIGHT & ERGONOMIC

Balanced center of gravity for optimum handling.



#### ROBUST PLASTIC HOUSING

Three support points for excellent stability.



#### ELECTRONIC & MECHANICAL PROTECTION

To protect against excess pressure and overheating.



#### ACCESSORIES FOR POWER PACKS, COUPLERS & HOSES

> See PAGE 111.

#### 18 V LI-ION BATTERY 5.0 Ah

**WEIGHT** 0.620 kg

**P/N** DCB184G-XJ



#### 220 V CHARGER

**WEIGHT** 0.540 kg

**P/N** DCB1104-QW



> All 700-bar hydraulic heads can be used with this power pack.

#### > 850-bar POWER PACK AVAILABLE

(**BGH850** on request, can be used with 850-bar-compatible heads).

#### > SNCF-VERSION POWER PACK

(**BGH7001C0000FER** on request, programmed in crimping mode).

**WEIGHT** (with battery + coupler) 5.880 kg

**DIMENSIONS** (L x w x h in mm) 330 x 160 x 250

**OIL TANK** 0.8 L

**FLOW RATE** 1 L/min during fast forward feed

0.15 L/min under high pressure

**IP LEVEL PROTECTION AS PER NF** 42

**ACOUSTIC POWER LEVEL** (LwA) 72.8 dB(A)

**THE EFFECTIVE WEIGHTED ACCELERATION** <2.5m/s<sup>2</sup>



#### TWO-FUNCTION REMOTE CONTROL

Advance/Hold – Return  
cable length: 3 m

> Supplied with the tool.

**DIMENSIONS** (mm) 550 x 336 x 308

**WEIGHT** 4.800 kg

**P/N** 91813 as an option

**CAPACITY** Equipped power pack + 1 hose assembly + 1 hydraulic head + various accessories



## SNCF APPROVAL № AGT 22526

NEOELEC™

# BGH702

WATERTIGHT HYDRAULIC POWER PACK  
BATTERY OPERATED 18 V 5.0 Ah LI-ION

700 bar

> All Dubuis 700-bar hydraulic heads can be used with this power pack.

> 850-bar version available, on request, can be used with 850-bar-compatible heads).



### ERGONOMIC

Can be worn on your back or hung from an aerial platform basket.

ON/OFF button accessible without having to open the bag.



### ROBUST AND EASY TO CLEAN

Can be cleaned by spraying.



### ELECTRONIC & MECHANICAL PROTECTION

To protect against excess pressure and overheating.



### ACCESSORIES FOR POWER PACKS, COUPLERS & HOSES

> See PAGE 111.

## ACCESSORIES

sold alone, the tool requires a remote control  
Please contact us for heads, hoses, etc.

### 18 V LI-ION BATTERY 5.0 Ah

**WEIGHT** 0.620 kg

**P/N** DCB184G-XJ



**WEIGHT** (with battery + coupler) 7.100 kg

**DIMENSIONS** (L x w x h in mm) 500 x 160 x 300

**OIL TANK** 0.8 L

**FLOW RATE** 1 L/min during fast forward feed

0.15 L/min under high pressure

**IP** protection level as per NF 54

**ACOUSTIC POWER LEVEL** (LwA) 72.8 dB(A)

**THE EFFECTIVE WEIGHTED ACCELERATION** <2.5m/s<sup>2</sup>



### 220 V CHARGER

**WEIGHT** 0.540 kg

**P/N** DCB1104-QW

### WATERTIGHT CASE

**DIMENSIONS** 554x408x371

**P/N** 78480



### HOSE AND REMOTE-CONTROL EXTENSION KIT

**LENGTH** 3 m

**P/N** 96808



# ACCESSORIES

FOR HYDRAULIC POWER PACKS

## REMOTE CONTROL

Two-function remote control (Advance/Return) with pressure hold.

Fitted with a 3 m cable.

P/N 82801



## HYDRAULIC OIL

Total Equivis XV32 type insulating oil.

0.5-L bottle: P/N 82809

5-L bottle: P/N OMST032

## FOOT CONTROL PEDAL

Double control pedal, Advance/Hold – Return.

Fitted with a 3 m cable.

To be used instead of the remote control (82801).

P/N 82814



## PRESSURE GAUGE

0 – 1000 bar pressure gauge to check the pressure at time of release.

Calibration certificate.

P/N 82812-BAR



# FITTINGS & HOSES

## 700 bar hoses – 90° ELBOW COUPLERS



### FITTED WITH 90°-ELBOW BALL COUPLERS

- > To be connected to the power pack to obtain a female rotary coupling with safety lock.
- 3 meters – P/N 82810 (NON INSULATED)
- 10 meters – P/N 82811 (INSULATED)

## 700 bar hoses – STRAIGHT CONNECTION



> For other lengths,  
please contact  
us.

### FITTED WITH BALL COUPLERS

- > To be mounted on 700 bar power pack.
- 1.6 meters – P/N 77840 (NON INSULATED)
- 2 meters – P/N 82861 (INSULATED)
- 3 meters – P/N 77841 (NON INSULATED)
- 4 meters – P/N 82860 (INSULATED)
- 6 meters – P/N 77842 (NON INSULATED)
- 12 meters – P/N 77843 (NON INSULATED)

## QUICK BALL COUPLINGS 1/4 BSP

> 3/8 NPT threaded coupling: please contact us



### QUICK BALL COUPLER (EDF – LIVE WORK/MV) WITH 1/4 BSP THREAD

- > To be mounted on hydraulic head.
- P/N 30887



### QUICK BALL COUPLER (EDF – LIVE WORK/MV) WITH 1/4 BSP THREAD

- > To be mounted on 700 bar power pack. locking
- P/N 30888

## SCREW-ON COUPLERS



### SCREW-ON COUPLER (EDF – LV) 1/2 VALVE A, WITH 3/8 NPT THREAD

- > To be mounted on hydraulic head.
- P/N HSER001

### SCREW-ON COUPLER (EDF – LV) 1/2 VALVE B, WITH 3/8 NPT THREAD

- > To be mounted on HP hose, hydraulic head side.
- P/N HSER002

## ADAPTERS



- > For female 1/4 BSP outlet to be converted to female 3/8 NPT outlet.
- P/N HREM68211-40

- > For female 3/8 NPT outlet to be converted to male 3/8 NPT outlet.
- P/N HCEJ792181623



# HYDRAULIC HEADS FOR CONNECTION TO A 700 BAR HYDRAULIC POWER PACK WITH A HIGH-PRESSURE HOSE.

Crimping heads, guillotine- & shears-type cable-cutters.





# HYDRAULIC HEADS

CABLE CUTTER 		XCH018C	<a href="#">page 114</a>		XCH045G	<a href="#">page 120</a>	
		XCH020C	<a href="#">page 115</a>		XCH055G	<a href="#">page 121</a>	
		XCH025G	<a href="#">page 116</a>		XCH065C	<a href="#">page 122</a>	
		XCH030C	<a href="#">page 117</a>		XCH085G	<a href="#">page 123</a>	
		XCH035C	<a href="#">page 118</a>		XCI95C	<a href="#">page 124</a>	
		XCH040G	<a href="#">page 119</a>				
CRIMPING PRESSES 		XD51	<a href="#">page 125</a>		XH250R	<a href="#">page 131</a>	
		XD62	<a href="#">page 126</a>		XU250	<a href="#">page 132</a>	
		XC130-26/38/44	<a href="#">page 127</a>		XH450	<a href="#">page 133</a>	
		XH130	<a href="#">page 128</a>				
		XH220	<a href="#">page 129</a>				
		XH250	<a href="#">page 130</a>				



NEOELEC™

# XCH018C

## HYDRAULIC HEAD FOR SHEARS-TYPE ROD-CUTTER

NEW

700 bar

**ROBUST / EASY TO CLEAN**

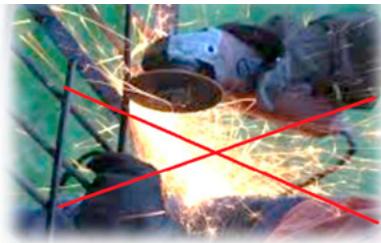
Suitable for working in the field.

**INTERCHANGEABLE HEADS**

Easily replaceable. P/N 93742.

**CUTS WITHOUT SPARKS / ELECTRONIC PROTECTION**

Ideal for working in at-risk areas (NON-ATEX TOOL)

**HIGH CUTTING CAPACITY**

- M18 threaded rod.
- Ø16 or 2xØ14 reinforcing steel in 1 stroke.
- Quick cutting.
- Cutting capacity: 160 kg/mm<sup>2</sup>: 10 mm.

**USER COMFORT**

- Reduced back and shoulder MSD, etc.
- No need to bend down. Upright working position.
- Work without physical effort.
- Safety distance between the cut and the operator.

**ERGONOMIC**

- Swiveling handle.

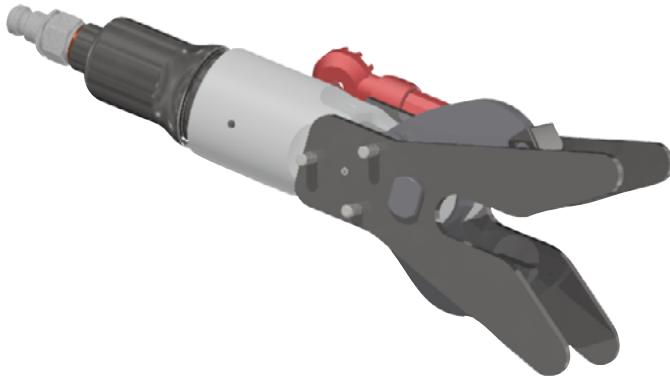


Do not use on live cables.

<b>FORCE</b>	80 kN
<b>CUTTING TIME</b> (depends on cross-section to be cut)	7 to 15 s
<b>DIMENSIONS</b> (L x w x h in mm)	790 x 70 x 205
<b>WEIGHT</b>	8.000 kg

&gt; other dimensions possible

**COUPLERS & HOSES**  
> See PAGE 111.

**HEAD CAN BE FITTED ON A POLE (OPTION)**

to close the head safely



# XCH020C

**HYDRAULIC HEAD FOR  
SHEARS-TYPE CABLE-CUTTER**700  
bar

> Force, stroke and capacities identical to battery-operated tools  
**BCL020C**

**CABLE TYPES**

Copper, aluminum

**TUBE TYPE**

Ø18 galvanized steel tube

**MAX. DIAMETER**

Ø 20 mm

(depending on cables)

**SHEARS TYPE**

To cut cables and tubes in confined areas  
(> direct access, without closing the head).  
Guided head for precise aiming on a high or faraway cable).

**REINFORCED BLADES**

Ensures a clean cut.

**IDENTICAL & INTERCHANGEABLE BLADES**

Easy to replace and use.  
P/N 91447.

**ROTATIVE HEAD**

180°.



Do not use on live cables.

**BATTERY LIFE – DEPENDS ON THE MATERIAL****DIMENSIONS** (L × w × h in mm) 340 × 113 × 60**WEIGHT** (with battery) 3.600 kg**COUPLERS & HOSES**

&gt; See PAGE 111.

\* couplers as an option



**LOCK**  
To open and close  
the head quickly.



## XCH025G

### HYDRAULIC HEAD GUILLOTINE-TYPE CABLE-CUTTER

700  
bar

>P/N 36910

> Force, stroke and capacities identical to tools **MCL025-26**,  
**XGM025** and to battery-operated tools **BCE025G & BCL025G**.



#### NEW REINFORCED BLADES

Lengthens the blades' service life (> special steel cutter).



#### IDENTICAL BLADE & COUNTER-BLADE

Facilitates cutting.



#### INTERCHANGEABLE BLADES

Easy to replace and use.

P/N 91298 square profile blade.

P/N 78502 standard blade.



Do not use on live cables.

**CABLE TYPES**  
copper, aluminum and steel

#### MAX. DIAMETER

Ø 25 mm  
(depending on cables)



#### FORCE

55 kN

#### DIMENSIONS (L x w x h in mm)

215 x 52 x 90

#### WEIGHT

2.400 kg



#### COUPLERS & HOSES

> See page 111.

	CABLE TYPES	MAX. HARDNESS	MAX. CUTTING Ø *
<b>MULTI-STRAND CABLES</b>	7 x 19 strands – steel 7 x 37 strands – steel	100 > 120 daN/mm <sup>2</sup> 130 > 145 daN/mm <sup>2</sup>	Ø 15 > 16 mm Ø 12 > 13 mm
<b>ELECTRIC CABLES</b>	Bare – copper / aluminum Rigid multi-strand – copper / aluminum Semi-rigid multi-strand – copper / aluminum		300 mm <sup>2</sup> Ø 20 > 22 mm
<b>ROUND BARS</b>	Copper Hard copper Aluminum Mild steel Medium hard steel	< 20 daN/mm <sup>2</sup> 20 > 28 daN/mm <sup>2</sup> < 20 daN/mm <sup>2</sup> 42 > 45 daN/mm <sup>2</sup> 50 > 70 daN/mm <sup>2</sup>	Ø 20 > 22 mm Ø 15 > 18 mm Ø 20 > 25 mm Ø 12 > 14 mm Ø 10 mm
<b>INSULATED CABLES</b>	Depends on insulation thickness Stainless steel	< 150 daN/mm <sup>2</sup>	150 > 240 mm <sup>2</sup> Ø 8 > 10 mm

\* Other dimensions and cables to be validated by testing.



<b>DIMENSIONS (mm)</b>	440 x 440 x 162
<b>WEIGHT</b>	2 kg
<b>P/N</b>	91356 as an option
<b>CAPACITY</b>	one to three heads depending on their dimensions

\* couplers as an option



**POLE SUPPORT**  
adjustable P/N 95832



# XCH030C

HYDRAULIC HEAD  
**SHEARS-TYPE CABLE-CUTTER**

700  
bar

**CABLE TYPES**  
copper

**MAX. DIAMETER**  
Ø 20 mm



**REINFORCED BLADES | SPECIAL COATING**

Lengthens the blades' service life (> steel cutter).



**IDENTICAL BLADES**



**INTERCHANGEABLE BLADES**

Easy to replace. P/N 93576



*Do not use on live cables.*

**FORCE** (between the blades) 40 kN

**DIMENSIONS** (L x w x h in mm) 340 x 105 x 130

**WEIGHT**

40 kN

340 x 105 x 130

3.300 kg



**COUPLERS & HOSES**  
> See [PAGE 111](#).

**CABLE TYPES**

**TYPE**

**max. CUTTING Ø(mm) \***

Copper	240 mm <sup>2</sup> feeder	Ø 20
	181.6 mm <sup>2</sup> carrier cable	Ø 17.5
	150 mm <sup>2</sup> contact wire	Ø 14.5

\* Other dimensions and cables to be validated by testing.



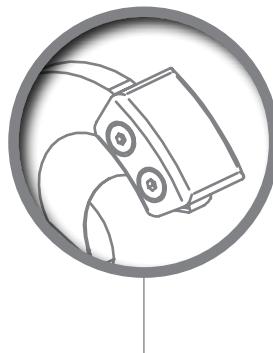
**DIMENSIONS** (mm) 440 x 440 x 162

**WEIGHT** 2 kg

**P/N** 91356 as an option

**CAPACITY** one to three heads depending on their dimensions

\* couplers as an option



## XCH035C

### HYDRAULIC HEAD SHEARS-TYPE CABLE-CUTTER

> Force, stroke and capacities identical to battery-operated tools BCE035C & BCL035C.



#### SHEARS TYPE

To cut cables in confined areas (> direct access, without opening the head).



#### REINFORCED & TAPERED BLADES

Facilitates clean cutting of copper and aluminum cables.



#### IDENTICAL & INTERCHANGEABLE BLADES

Easy to replace and use.  
P/N78431.



*Do not use on live cables.*



**CABLE TYPES**  
copper and aluminum

**MAX. DIAMETER**  
**Ø 35 mm**



**FORCE** (on the piston) 45 kN

**DIMENSIONS** (L × w × h in mm) 305 × 70 × 105

**WEIGHT** 3.400 kg



#### COUPLERS & HOSES

> See PAGE 111.

#### MAX. CUTTING CAPACITIES\*

**SEMI-RIGID MULTISTRAND CU CABLE** 240 mm<sup>2</sup>

**FLEXIBLE MULTISTRAND CU CABLE** (very fine strands) Ø 35 mm– 300 mm<sup>2</sup>

**MULTISTRAND ALUMINUM CABLE** Ø 35 mm

**TELEPHONE CABLE** Ø 35 mm

*Does not cut bars or steel-reinforced cables.*

\* Other dimensions and cables to be validated by testing.



<b>DIMENSIONS</b> (mm)	440 x 440 x 162
<b>WEIGHT</b>	2 kg
<b>P/N</b>	91356 as an option
<b>CAPACITY</b>	one to three heads depending on their dimensions

\* couplers as an option



## XCH040G

### HYDRAULIC HEAD GUILLOTINE-TYPE CABLE-CUTTER

> Force, stroke and capacities identical to manual tool **MCL040G** and to battery-operated tool **BCP040G**.

 **REINFORCED BLADES | SPECIAL COATING**  
Lengthens the blades' service life (> steel cutter).

 **IDENTICAL BLADE & COUNTER-BLADE**  
Facilitates cutting.

 **INTERCHANGEABLE BLADES**  
Easy to replace. P/N 36052.

 Do not use on live cables.

CABLE TYPES		MAX. HARDNESS	MAX. CUTTING Ø (mm) *
CABLES	Copper	< 40 daN/mm <sup>2</sup>	Ø 32 (630 mm <sup>2</sup> )
	Aluminum	< 20 daN/mm <sup>2</sup>	Ø 40
	Almelec	< 34 daN/mm <sup>2</sup>	Ø 40
	Steel	< 180 daN/mm <sup>2</sup>	7 × Ø 3.0 (= Ø 9.0) 19 × Ø 2.1 (= Ø 10.5) 19 × Ø 2.3 (= Ø 11.5)
	Multi-strand steel	< 180 daN/mm <sup>2</sup>	Ø 18 (number of strands: 200)
	ACSR	< 180 daN/mm <sup>2</sup>	26 × Ø 2.50 + 7 × Ø 1.95 (= Ø 15.85)
	(aluminum conductor steel reinforced)		26 × Ø 3.06 + 7 × Ø 2.38 (= Ø 19.38) 26 × Ø 3.60 + 7 × Ø 2.80 (= Ø 22.80) 54 × Ø 3.50 + 19 × Ø 2.10 (= Ø 31.50)
BARS	Steel	< 60 daN/mm <sup>2</sup>	Ø 18
		< 42 daN/mm <sup>2</sup>	Ø 20
	Copper	< 30 daN/mm <sup>2</sup>	Ø 30
		< 25 daN/mm <sup>2</sup>	Ø 32
	Aluminum	< 16 daN/mm <sup>2</sup>	Ø 40

\* Other dimensions and cables to be validated by testing.



**CABLE TYPES**  
copper, aluminum and steel

**MAX. DIAMETER**  
**Ø 40 mm**  
(depending on cables)



<b>FORCE</b>	88 kN
<b>DIMENSIONS</b> (L × w × h in mm)	285 × 85 × 105
<b>WEIGHT</b>	4.300 kg

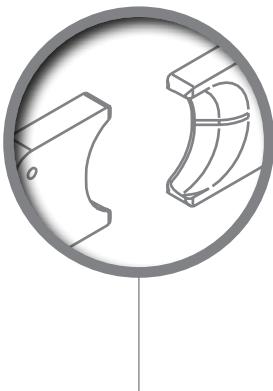
 **COUPLERS & HOSES**  
> See PAGE 111.

<b>DIMENSIONS</b> (mm)	440 x 440 x 162
<b>WEIGHT</b>	2 kg
<b>P/N</b>	91356 as an option
<b>CAPACITY</b>	one to three heads depending on their dimensions

\* couplers as an option

**LOCK-PIN**

To close the head safely.



# XCH045G

## HYDRAULIC HEAD GUILLOTINE-TYPE CABLE-CUTTER

700  
bar

> Force, stroke and capacities identical to manual tool **MCL045G** and battery-operated tool **BCP045G**.

**REINFORCED BLADES | SPECIAL COATING**

Lengthens the blades' service life (&gt; special steel cutter).

**IDENTICAL BLADE & COUNTER-BLADE**

Facilitates cutting.

**INTERCHANGEABLE BLADES**

Easy to replace. P/N 78507.



Do not use on live cables.

**MAX. CUTTING CAPACITIES**

\* Other dimensions and cables to be validated by testing.

CABLES	CABLE TYPES	MAX. HARDNESS	MAX. CUTTING Ø (mm) *
	Copper	< 40 daN/mm <sup>2</sup>	Ø 45
	Aluminum	< 20 daN/mm <sup>2</sup>	Ø 45
	Almelec	< 34 daN/mm <sup>2</sup>	Ø 45
	Steel	< 180 daN/mm <sup>2</sup>	7 × Ø 3.0 (= Ø 9.0) 19 × Ø 2.1 (= Ø 10.5) 19 × Ø 2.3 (= Ø 11.5)
	Multi-strand steel	< 180 daN/mm <sup>2</sup>	Ø 18 (number of strands: 200)
	ACSR (aluminum Conductor Steel Reinforced)	< 180 daN/mm <sup>2</sup>	26 × Ø 2.50 + 7 × Ø 1.95 (= Ø 15.85) 26 × Ø 3.06 + 7 × Ø 2.38 (= Ø 19.38) 26 × Ø 3.60 + 7 × Ø 2.80 (= Ø 22.80) 54 × Ø 3.50 + 19 × Ø 2.10 (= Ø 31.50) 54 × Ø 4.36 + 19 × Ø 2.62 (= Ø 39.20)

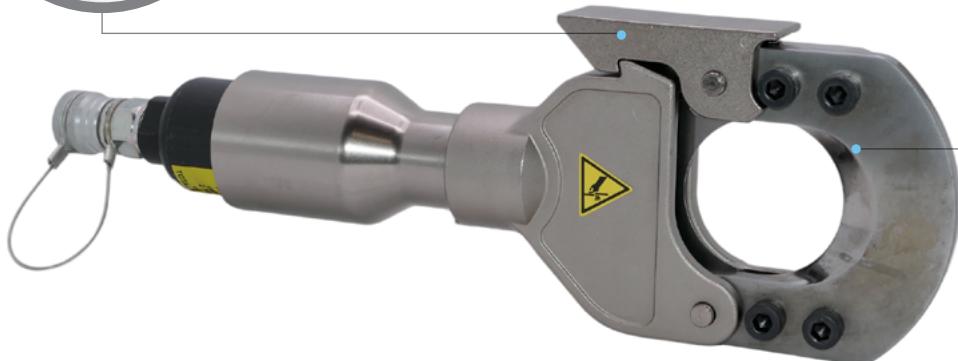
BARS	Stainless steel  <b>&gt; Please contact us.</b>	< 60 daN/mm <sup>2</sup> < 42 daN/mm <sup>2</sup>	Ø 20 Ø 22
	Steel	< 30 daN/mm <sup>2</sup>	Ø 33
	Copper	< 25 daN/mm <sup>2</sup>	Ø 35
	Aluminum	< 16 daN/mm <sup>2</sup>	Ø 45

**DIMENSIONS** (mm) 440 x 440 x 162**WEIGHT** 2 kg**P/N** 91356 as an option**CAPACITY** one to three heads depending on their dimensions

\* couplers as an option



**LOCK**  
To open and close  
the head quickly.



**WIDE OPENING**  
Makes it easier to pass  
cables through.

# XCH055G

## HYDRAULIC HEAD GUILLOTINE-TYPE CABLE-CUTTER

700  
bar

> Force, stroke and capacities identical to manual tool **MCL055G**  
and battery-operated tool **BCP055G**.



### NEW COUNTER-BLADE

Reduces cable deformation when cutting.



### TAPERED BLADE & COUNTER-BLADE PROFILE

Facilitates cutting (> copper and aluminum cables).  
Blade P/N 38000  
Counter blade P/N 38001



### LIGHT & POWERFUL TOOL

> See cutting capacities.



Do not use on live cables.

**CABLE TYPES**  
copper and aluminum

**MAX. DIAMETER**  
Ø 55 mm



### FORCE

43 kN

### DIMENSIONS (L × w × h in mm)

300 × 55 × 110

### WEIGHT

2.900 kg

### COUPLERS & HOSES

> See **PAGE 111**.

## CUTTING CAPACITIES

\* Other dimensions and cables to be validated by testing.

	<b>CABLE TYPES</b>	<b>MAX. HARDNESS</b>	<b>CROSS-SECTIONS</b>	<b>MAX. CUTTING Ø *</b>
<b>CABLES</b>	Multi-strand copper		4 × 185 mm <sup>2</sup> or 630 mm <sup>2</sup> max.	
	Aluminum underground		3 × 240 + 1 × 95 mm <sup>2</sup>	Ø 51 mm
	Telephone			Ø 55 mm
<b>BARS</b>	Round annealed copper	< 20 daN/mm <sup>2</sup>		Ø 16-18 mm
	Round annealed aluminum (A5)	< 16 daN/mm <sup>2</sup>		Ø 20-25 mm

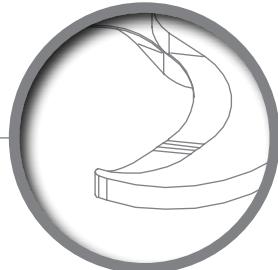


<b>DIMENSIONS (mm)</b>	440 x 440 x 162
<b>WEIGHT</b>	2 kg
<b>P/N</b>	91356 as an option
<b>CAPACITY</b>	one to three heads depending on their dimensions

\* couplers as an option

**HANDLE**

Easy to handle.

**TAPERED BLADES**

Ideal for cutting fine multi-strand cables.

# XCH065C

**HYDRAULIC HEAD  
SHEARS-TYPE CABLE-CUTTER**700  
bar> Force, stroke and capacities identical to manual tool **MCL065C** and battery-operated tool **BCP065i**.**ERGONOMIC HANDLE**

For transport and a secure grip on the tool.

**SHEARS TYPE**

To cut cables in confined areas (&gt; direct access, without opening the head).

**REINFORCED & TAPERED BLADES**

Facilitates clean cutting of copper and aluminum cables.

**IDENTICAL & INTERCHANGEABLE BLADES**

Easy to replace and use. P/N 78441.



Do not use on live cables.

**DIMENSIONS** (mm) 440 x 440 x 162**WEIGHT** 2 kg**P/N** 91356 as an option**CAPACITY** one to three heads depending on their dimensions**CABLE TYPES**  
copper and aluminum**MAX. DIAMETER**  
**Ø 65 mm****DIMENSIONS** (L x l x h in mm) 380 x 95 x 150**WEIGHT** 4.400 kg**COUPLERS & HOSES**> See **PAGE 111**.**MAX. CUTTING CAPACITIES\*****COPPER CABLE** Ø 65 mm**ALUMINUM CABLE** Ø 65 mm

Can cut aluminum or copper cables reinforced with steel strapping.

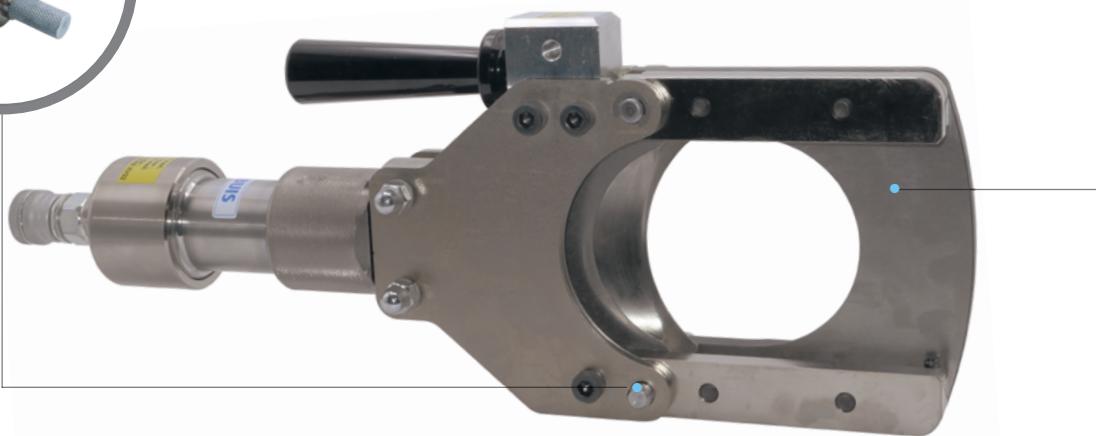
\* Other dimensions and cables to be validated by testing.

**LOCK-PIN**

To close the head safely.

**WIDE OPENING**

Makes it easier to pass cables through.



# XCH085G

**HYDRAULIC HEAD  
GUILLOTINE-TYPE CABLE-CUTTER**

> Force, stroke and capacities identical to manual tool **MCL085G**  
and battery-operated tool **BCP085G**.

**NEW COUNTER-BLADE**

Reduces deformation of cable diameter when cutting.

**TAPERED BLADE & COUNTER-BLADE PROFILE**Facilitates cutting (> copper and aluminum cables).  
P/N 37016 (blade); P/N 37010 (counter-blade).**ERGONOMIC HANDLE**

For transport and a secure grip on the tool.



Do not use on live cables.

**CABLE TYPES**

copper and aluminum

**MAX. DIAMETER****Ø 85 mm****FORCE**

70 kN

**DIMENSIONS (L x w x h in mm)**

395 x 80 x 170

**WEIGHT**

5.900 kg

**COUPLERS & HOSES**  
> See PAGE 111.**CUTTING CAPACITIES****CABLE TYPES****MAX. CABLE Ø\*****UNDERGROUND INSULATED  
ALUMINUM CABLES**3 x 240 mm<sup>2</sup> + 1 x 95 mm<sup>2</sup>  
1 x 630 mm<sup>2</sup> > 800 mm<sup>2</sup>**COPPER CABLES**630 mm<sup>2</sup>**TELEPHONE CABLES**

Ø 85 mm

\* Other dimensions and cables to be validated by testing.

**DIMENSIONS (mm)**

440 x 440 x 162

**WEIGHT**

2 kg

**P/N**

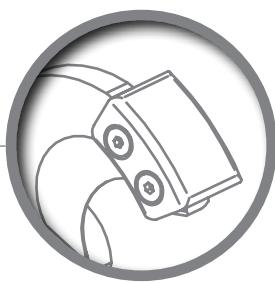
91356 as an option

**CAPACITY**

one to three heads depending on their dimensions



\* couplers as an option

**GUIDING SHOE**

Avoids gap between blades.

## XCI95C

HYDRAULIC HEAD FOR  
SHEARS-TYPE CABLE-CUTTER

700 bar

&gt; P/N 37910-02

**ERGONOMIC HANDLE**For transport and a secure grip on  
the tool.**SHEARS TYPE**To cut cables in confined areas  
(> direct access, without opening the head).**REINFORCED & TAPERED BLADES**For cutting copper or aluminum cables with mild-steel sheet.  
P/N. 37103-01**AS AN OPTION:**Version with possibility of earthing  
> Please contact us.

Do not use on live cables.



\* couplers as an option

**CABLE TYPES**  
copper and aluminum**MAX. DIAMETER**  
Ø 95 mm**DIMENSIONS** (L x w x h in mm) 395 x 80 x 170**WEIGHT** (without protection kit) 9.760 kg**PROTECTION KIT**  
> Optional.**COUPLERS & HOSES**  
> See PAGE 111.**MAX. CUTTING CAPACITIES\*****ALL COPPER OR ALUMINUM MULTI-STRAND  
CABLES UP TO Ø 95 mm** 1200 mm<sup>2</sup>**ALUMINUM OR COPPER CABLES REINFORCED  
WITH MILD-STEEL SHEET** 1000 mm<sup>2</sup>

\* Other dimensions and cables to be validated by testing.

<b>DIMENSIONS</b> (mm)	440 x 440 x 162
<b>WEIGHT</b>	2 kg
<b>P/N</b>	91356 as an option
<b>CAPACITY</b>	one to three heads depending on their dimensions



# XD51

## HYDRAULIC HEAD FOR CRIMPING

700 bar

&gt; P/N 31918-02.

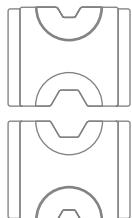
> Force, stroke and capacities identical to the manual tool **MPL51-052** and battery-operated tools **BPE055 & BPL055**.

**BALL HEAD DOWEL**

Can accommodate 38 mm (*DUBUIS*) or 30 mm (*other manufacturers*) wide die sets.

**INTERCHANGEABLE DIE SETS**

Simple or reversible.



**DIE SETS** – See [PAGE 137](#).

> Common interchangeable die sets for **MPL51-052, BPE055 & BPL055** tools.



*Do not use on live cables.*

**HEXAGONAL CRIMPING****4 > 240 mm<sup>2</sup>****STROKE**

13 mm

**FORCE**

55 kN

**DIMENSIONS (L × w × h in mm)**

180 × 53 × 74

**WEIGHT**

1.750 kg

**APPLICATIONS****CROSS-SECTIONS**

▢ Copper lugs and sleeves – NFC 20-130	4 > 240 mm
▢ Copper or aluminum lugs and sleeves – DIN 48083	KZ6 > KZ32
▢ C-shaped connectors	C6 > C35
▢ Pre-rounding	6 > 240 mm <sup>2</sup>
▢ Bare or pre-insulated copper or aluminum sleeves	E54 > E215

**COUPLERS & HOSES**

> See [PAGE 111](#).

**DIMENSIONS (mm)**

440 x 440 x 162

**WEIGHT**

2 kg

**P/N**

91356 as an option

**CAPACITY**

one to three heads depending on their dimensions

\* couplers as an option



## XD62

### HYDRAULIC HEAD FOR CRIMPING

700 bar

#### HEXAGONAL CRIMPING

6 > 300 mm<sup>2</sup>

&gt; P/N 84903.

> Force, stroke and capacities identical to tools **MPL062**, **XPM062**, and to battery-operated tools **BPE062**, **BPL062** & **BPP062**.

#### VERY LIGHT HEAD

Excellent weight-to-capacity ratio.

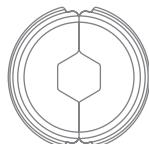


#### COMPATIBLE DIE SETS

On the 80 kN &amp; 130 kN ranges.



Do not use on live cables.

**DIE SETS** – See [PAGE 137](#).> Common interchangeable die sets for **MPL062**, **XPM062**, **BPE062**, **BPL062** & **BPP062** tools.

#### STROKE

13 mm

#### FORCE

62 kN

#### DIMENSIONS (L x w x h in mm)

195 x 53 x 100

#### WEIGHT

2.200 kg

#### CROSS-SECTIONS

◆ Copper lugs and sleeves – NFC 20-130	6 > 300 mm
◆ Copper/aluminum lugs and sleeves – DIN 48083	KZ6 > KZ34
◆ C-shaped connectors	C10 > C50
◆ Pre-rounding	25 > 240 mm <sup>2</sup>
◆ Bare or pre-insulated copper or aluminum sleeves	E54 > E260

#### APPLICATIONS

→ **COUPLERS & HOSES**> See [PAGE 111](#).**DIMENSIONS** (mm) 440 x 440 x 162**WEIGHT** 2 kg**P/N** 91356 as an option**CAPACITY** one to three heads depending on their dimensions

\* couplers as an option



> Available with strokes of **26, 38 & 44**.  
(Stroke 44 – Please contact us.)



**XC130-26 SNCF SYMBOL N° 7.393.7550**

# XPH130 -1 -3

## HYDRAULIC HEADS FOR CRIMPING



### HEXAGONAL CRIMPING

**6 > 400 mm<sup>2</sup>**

(depends on the type of tool)

> Force, stroke and capacities identical to tools **MPL130-XX**, **XPM130D** and battery-operated tools **BPE130 & BPP130X**.



### WIDE CRIMPING CAPACITY

From 6 to 400 mm<sup>2</sup>.



### CRIMPING OF OVERHEAD LINES

Tool particularly well-suited for this application.



### FITTED WITH A MECHANICAL STOP

Piston stops at the end of the stroke.

**STROKE / MAX. DIAMETER**

**26 mm (-1)**

**38 mm (-3)**

**FORCE**

130 kN

130 kN

**DIMENSIONS** (L × w × h in mm)

215 × 70 × 125

240 × 70 × 112

**WEIGHT**

3.760 kg

4.300 kg

### APPLICATIONS

- ▢ Copper lugs and sleeves – NFC 20-130
- ▢ Bare or pre-insulated copper or aluminum sleeves – EDF
- ▢ copper or aluminum lugs and sleeves – DIN 48083
- ▢ C-shaped connectors
- ▢ Pre-rounding
- ▢ Copper lugs and sleeves – NFC 20-130

### CROSS-SECTIONS (-26)

6 > 300 mm<sup>2</sup>

6 > 400 mm<sup>2</sup>

E54 > E235

E54 > E280

KZ6 > KZ28

KZ6 > KZ38

C10 > C70

C10 > C70

50 > 300 mm<sup>2</sup>

50 > 300 mm<sup>2</sup>

10 > 240 mm<sup>2</sup>

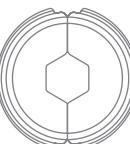
10 > 240 mm<sup>2</sup>



**130 KN DIE SETS** – See [PAGE 137](#).



**COMPATIBLE DIE SETS**  
62 kN, 80 kN ranges



> Common interchangeable die sets for **MPL130-XX, XC130-XX, BPE130 & BPP130X** tools.



**DIMENSIONS** (mm)

440 × 440 × 162

**WEIGHT**

2 kg

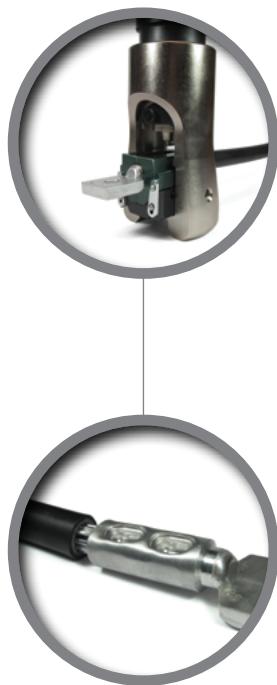
**P/N**

91356 as an option

**CAPACITY**

one to three heads depending on their dimensions

\* couplers as an option



# XPH130U

## HYDRAULIC HEAD FOR DEEP INDENTING

700  
bar

> Force, stroke and capacities identical to manual tool **MPL130U** and to battery-operated tool **BPP130U**.

> Common interchangeable opening indentors and die sets for **MPL130U**, **XH130** & **BPP130U** tools.

**HEAD PER HN 68-S-90** (> EDF specification)  
For underground lines (bimetallic lugs & sleeves).

**MAX. DIAMETER 34 mm**  
In the head for large cross-sections.

**MECHANICAL STOP (NEW)**  
Piston stops at the end of the stroke.

Do not use on live cables.



**SETUP 1**  
FOR INDENTING APPLICATION

**DIE SETS**  
> See **PAGE 146**.

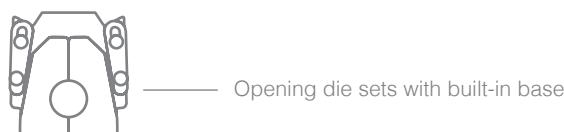
<b>STROKE</b>	26 mm
<b>MAX. DIAMETER</b>	34 mm
<b>FORCE</b>	130 kN
<b>DIMENSIONS</b> (L x w x h in mm)	205 x 80 x 80
<b>WEIGHT</b>	3.350 kg



**SETUP 2**  
FOR CRIMPING APPLICATION

Crimping die sets for the 130-kN range which can be used in these tools with the **A12D2** adapter.

**DIE SETS**  
> See **PAGE 137**.



Opening die sets with built-in base



Indentor



Indentor holder PP130  
P/N **30842**



Adapter A12D2  
P/N **85880**



Die sets



<b>DIMENSIONS</b> (mm)	440 x 440 x 162
<b>WEIGHT</b>	2 kg
<b>P/N</b>	91356 as an option
<b>CAPACITY</b>	one to three heads depending on their dimensions

\* couplers as an option

**SPINDLE**

Modified spindle knob for effective head locking.

**HEXAGONAL CRIMPING****10 > 475 mm<sup>2</sup>****DE-CRIMPING****<262 mm<sup>2</sup>****SNCF SYMBOL № 0.392.8955**

# XH220

## HYDRAULIC HEAD FOR CRIMPING

700  
bar

- > P/N. 64902-01 (64901-01 without end fitting)
- > die sets common to XH250R
- > die sets common to XC130, BPP130X, BPE130 with adapter P/N 64103

**ROBUST & LIGHT**  
Ideal for on-site work.

**HOOK**  
Hook to hang the head on a support while preparing for crimping.

**CLOSED BY LOCKING PIN**  
System for locking the upper die. Captive pin.

**SELF-CENTERING**  
The lower die is centered in the head.

**REMOTE-CONTROL SUPPORT**  
P/N 82834 to fit the control handle for the Dubuis hydraulic power pack directly onto the base of the head.

Do not use on live cables.

<b>STROKE</b>	32 mm
<b>FORCE</b>	220 kN
<b>DIMENSIONS</b> (L x w x h in mm)	290 x 90 x 140
<b>WEIGHT</b>	5.500 kg

APPLICATIONS	CROSS-SECTION
⦿ Tubular copper lugs – NFC 20-130	> 630 mm <sup>2</sup>
⦿ Copper or aluminum lugs & sleeves – DIN 48083	KZ8 > KZ44

**DIE SETS** – See [PAGE 137](#) and [PAGE 150](#).

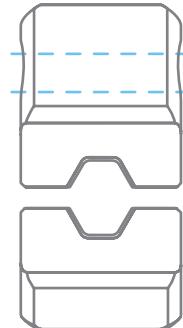


APPLICATION	Stainless steel / Bronze end fitting or sleeve	Cu / Al / AlAc / Bz junction or termination	Bypass Copper / Bronze	Bypass or Main Carrier
<b>TYPE OF CRIMPING</b>				
<b>CAPACITY</b>	DE77S – DE100	SH16 - SH44	SV29 – SV52	DV13 – DV52



<b>DIMENSIONS</b> (mm)	440 x 440 x 162
<b>WEIGHT</b>	2 kg
<b>P/N</b>	91356 as an option
<b>CAPACITY</b>	one to three heads depending on their dimensions

\* couplers as an option



## XH250

### HYDRAULIC HEAD FOR CRIMPING

700  
bar

- > P/N 64905.
- > die sets common to BPP240.



**HEAD DESIGNED FOR CRIMPING DIN48083-3**



**PORTABLE & LIGHT**

Chain to retain the spindle.



**ROBUST, VERY LARGE CAPACITY**

MV and HV applications.



**CLOSED BY LOCKING PIN**

System for locking the upper die. Captive pin.



**SELF-CENTERING**

The lower die is centered in the head.



**DIE SETS – See PAGE 137.**



*Do not use on live cables.*



<b>STROKE</b>	30 mm
<b>FORCE</b>	250 kN
<b>DIMENSIONS</b> (L x w x h in mm)	287 x 100 x 130
<b>WEIGHT</b>	6.900 kg

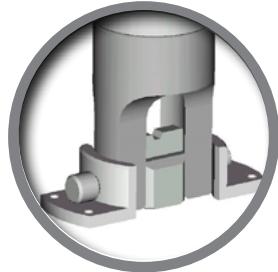
<b>APPLICATIONS</b>	<b>CROSS-SECTION</b>
◆ Tubular copper lugs – NFC 20-130	50 > 630 mm <sup>2</sup>
◆ Copper or alu. lugs & sleeves – DIN 48083	KZ8 > KZ44

<b>DIMENSIONS</b> (mm)	440 x 440 x 162
<b>WEIGHT</b>	2 kg
<b>P/N</b>	91356 as an option
<b>CAPACITY</b>	one to three heads depending on their dimensions

\* couplers as an option



**HIGH-STRENGTH SPINDLE**  
For effective head locking.



**USE IN THE WORKSHOP**  
Developed for use on workbenches, where weight is not a restriction.



**HEXAGONAL CRIMPING  
10 > 630 mm<sup>2</sup>**

**CRIMPING WORK ON OVERHEAD CONTACT LINES**, end fittings with bronze and stainless-steel terminals for droppers

**SNCF APPROVAL № IPM 02144**

# XH250R

## HYDRAULIC HEAD FOR CRIMPING

700  
bar

> P/N 64900

> die sets common to XH220.

> die sets common to XC130, BPP130X, BPE130 with adaptor P/N 64103



### SIDE CONNECTION

Connects to a hydraulic power pack via a high-pressure hose for intensive use. Can be associated with a double-control pedal connected to the power pack



### ROBUST, VERY LARGE CAPACITY

Supplied with 2 brackets to fix the head to a workbench. Developed for a minimum of 300,000 cycles.



### CLOSED BY LOCKING PIN

System for locking the upper die.



### SELF-CENTERING

The lower die is centered in the head.



*Do not use on live cables.*

<b>STROKE</b>	28 mm
<b>FORCE</b>	250 kN
<b>DIMENSIONS (L x w x h in mm)</b>	145 x 145 x 320
<b>WEIGHT</b>	24,700 kg

## APPLICATIONS

## CROSS-SECTION

∅ Tubular copper lugs – NFC 20-130	> 630 mm <sup>2</sup>
∅ Copper or aluminum lugs & sleeves. – DIN 48083	KZ8 > KZ44



**DIE SETS** – See **PAGE 137** and **PAGE 150**.



## CRIMPING CAPACITY

APPLICATION	Stainless steel / Bronze end fitting or sleeve	Cu / Al / AlAc / Bz junction or termination	Bypass Copper / Bronze	Bypass or Main Carrier
<b>TYPE OF CRIMPING</b>				
<b>CAPACITY</b>	DE77S – DE100	SH16 - SH44	SV29 – SV52	DV13 – DV52

\* couplers as an option



# XU250

## HYDRAULIC HEAD FOR DEEP INDENTING

> P/N 61902-01

700  
bar

DEEP INDENTING

16 > 400 mm<sup>2</sup>

HEXAGONAL CRIMPING

6 > 630 mm<sup>2</sup>



### HEAD PER HN.68.S.90 (> EDF specification)

For underground lines (bimetallic lugs & sleeves).



### INDENTOR OR DIE SET LOCKS ON THE PISTON

Using a retractable wheel.



### INDENTOR OR DIE SET INDEXING

With screw to prevent rotation.

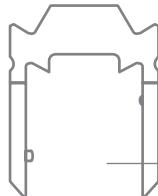


### MECHANICAL PISTON STYOP

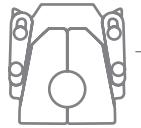
Piston stops at the end of the stroke.



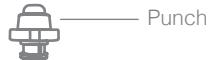
*Do not use on live cables.*



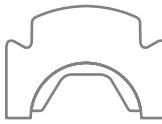
Adapter 2S1  
P/N: 30857



Opening die sets with  
built-in base  
10 > 240 mm<sup>2</sup>



Punch



Die sets  
500 mm<sup>2</sup>  
P/N: 77687  
630 mm<sup>2</sup>  
P/N: 77686



Upper adapter  
P/N: 77408C



Die sets  
6 > 630 mm<sup>2</sup>



Lower adapter  
P/N: 77407C

### SETUP 1 PUNCHING APPLICATION



\* couplers as an option

### SETUP 2 CRIMPING APPLICATION

DIMENSIONS (mm) 440 x 440 x 162

WEIGHT 2 kg

P/N 91356 as an option

CAPACITY one to three heads depending on their dimensions

### SETUP 3 CRIMPING APPLICATION



&gt; P/N 64906

**ROBUST, VERY LARGE CAPACITY**  
MV and HV applications.

**SIDE CONNECTION**  
Allows the head to be placed on a workbench.

**CLOSED BY LOCKING PIN**  
System for locking the upper die.

**SELF-CENTERING**  
The lower die is centered in the head.

**DIE SETS – See PAGE 137.**

Do not use on live cables.

<b>STROKE</b>	35 mm
<b>FORCE</b>	450 kN
<b>DIMENSIONS (L x w x h in mm)</b>	285 x 115 x 120
<b>WEIGHT</b>	11.150 kg

APPLICATIONS	CROSS-SECTION
◆ Tubular copper lugs – NFC 20-130	95 > 1000 mm <sup>2</sup>
◆ Copper or aluminum lugs & sleeves – DIN 48083	KZ14 > KZ60



<b>DIMENSIONS (mm)</b>	440 x 440 x 162
<b>WEIGHT</b>	2 kg
<b>P/N</b>	91356 as an option
<b>CAPACITY</b>	one to three heads depending on their dimensions

\* couplers as an option



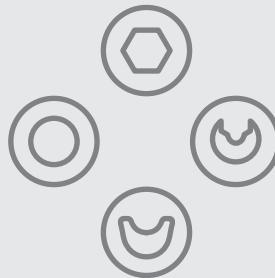
> Crimping a lug with hydraulic head XC130-26 in an electrical distribution board.



## CRIMPING DIE SETS



PERFORMANCE  
STANDARDS  
(MECHANICAL &  
ELECTRICAL ASPECTS)  
NFC, DIN, EDF SPEC.

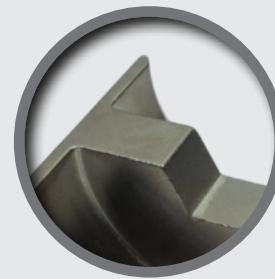


### APPLICATIONS:

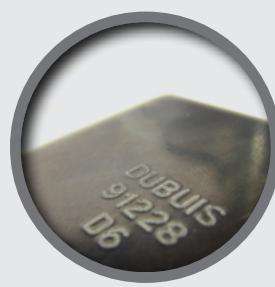
- HEXAGONAL CRIMPING
- INDENTING
- DEEP INDENTING
- PRE-ROUNDING



ANTI-CORROSION COATING  
ELECTROLESS NICKEL



MADE OF STEEL + HEAT TREATMENT  
(QUENCHING & TEMPERING)  
IMPROVED HARDNESS & YIELD  
STRENGTH



IDENTIFICATION BY INTERNAL &  
EXTERNAL MARKING



SPECIAL APPLICATIONS &  
QUOTATIONS ON REQUEST  
FOR SPECIAL CASES



# CRIMPING DIE SETS

<b>EARTHING CIRCUIT &amp; INDUSTRIAL NETWORK</b>	<b>page 138</b>
DIE SETS FOR TUBULAR LUGS & SLEEVES – NFC 20-130	
DIE SETS FOR C-SHAPED CONNECTORS	
DIE SETS FOR TINNED FORGED COPPER LUGS	
DIE SETS FOR INDUSTRIAL NETWORK BIMETALLIC COPPER OR ALUMINUM LUGS	
<b>LV INSULATED OVERHEAD LINE</b>	<b>page 140</b>
DIE SETS FOR PRE-INSULATED LUGS & SLEEVES	
DIE SETS FOR SLEEVES	
<b>BARE LV/MV OVERHEAD LINE</b>	<b>page 142</b>
DIE SETS FOR COPPER CONDUCTORS	
DIE SETS FOR ALUMINUM ALLOY CONDUCTORS	
DIE SETS FOR ALUMINUM OR STEEL CONDUCTORS	
<b>COPPER OR ALUMINUM SECTORAL CABLE</b>	<b>page 144</b>
DIE SETS FOR COPPER OR ALUMINUM SECTORAL CABLE	
<b>LV UNDERGROUND LINE</b>	<b>page 146</b>
DIE SETS FOR ALUMINUM & COPPER-ALUMINUM LUGS & SLEEVES	
<b>EARTHING CIRCUIT &amp; INDUSTRIAL NETWORK</b>	<b>page 146</b>
DIE SETS FOR COPPER OR ALUMINUM LUGS & SLEEVES – DIN 48.083	
<b>CRIMPING DIE SETS FOR RAILWAY APPLICATIONS</b>	
<b>D36 DIE SETS</b>	<b>page 148</b>
SIGNALING AND TRACTION RETURN CURRENT	
<b>D62 DIE SETS</b>	<b>page 148</b>
SIGNALING AND TRACTION RETURN CURRENT	
<b>C130 DIE SETS</b>	<b>page 148</b>
OVERHEAD CONTACT LINE APPLICATIONS	
SIGNALING AND TRACTION RETURN CURRENT	
C-SHAPED CONNECTORS	
SUBSTATION CRIMPING	
<b>XH220-250R-BPP220H DIE SETS</b>	<b>page 150</b>
SUBSTATION CRIMPING	
HEXAGONAL CRIMPING	
REINFORCED HEXAGONAL CRIMPING	
OVAL CRIMPING	
CONNECTOR DE-CRIMPING	



		D31 BPE031 BPL031	D36 BPE036 BPL036	D51 BPE055 BPL055	D62 BPE062 BPL062 BPP062	D80 BPP080			
		DIE SET P/N WIDTH (mm)	DIE SET P/N WIDTH (mm)	DIE SET P/N WIDTH (mm)	DIE SET P/N WIDTH (mm)	DIE SET P/N WIDTH (mm)			
	 <b>NFC 20-130</b> <b>XCT. - XG.</b> 	CROSS-SECTION (mm²)	CODE						
	4	02555	5	02633	5	31042	5		
	6	02378	9	02454	9	31038	9		
	10	02379	9	02431	9	31039	9		
	16	02380	9	02432	9	31040	9		
	25	02381	9	02433	9	31041	9		
	35	02382	9	02413	9	31038	9		
	50	02383	5	02434	5	31039	5		
	70	02384	5	02435	5	31040	5		
	95	02385	5	02414	5	31041	5		
	120			02437	3.5	31042	5		
	150			02415	3.5	31043	5		
	185					31297	5		
	240					31338	5		
	300								
	400								
	500								
	630								
	800								
	1000								
	 <b>NFC 20-130</b> <b>XCT. - XG.</b> 	CROSS-SECTION (mm²)	CODE						
	10-16-25-35-50	02410		02466		31166			
	70-95-120	02411							
	10	02405	9	02577	9	31167	12		
	16	02406	9	02578	9	31168	12		
	25	02407	9	02579	9	31169	12		
	35	02408	9	02580	9	31169	12		
	50	02409	9	02581	9	31168	12		
	70	02412	9	02582	9	31167	12		
	95			02583	9	31170	12		
	120					31171	12		
	150								
	185								
	240								
	300								
		 <b>C CONNECTORS</b> 	CROSS-SECTION (mm²)	CODE					
		6	C6	02689	9	02701	9	31310	9
		10	C10	02690	9	02702	9	31311	9
		16	C16	02691	5	02703	5	31312	2 x 5
		25	C25					31315	5
35		C35							
50		C50							
70		C70							
95		C95							
120		C120							
150		C150							
185		C185							



C CONNECTORS	EARTHING CIRCUIT & INDUSTRIAL NETWORK		TUBULAR LUGS & SLEEVES - NFC 20-130		C130-XX BPE130		H130		BPP130U XH130		XH250		XH450	
	HEXAGONAL CRIMPING	CROSS-SECTION (mm²)	CODE	DIE SET P/N	WIDTH (mm)	ADAPTER	DIE SET P/N	WIDTH (mm)	ADAPTER	DIE SET P/N	WIDTH (mm)	ADAPTER	DIE SET P/N	WIDTH (mm)
NFC 20-130 XCT. - XG.		4												
		6		80414	9									
		10		30218	9									
		16		30219	9									
		25		30220	9									
		35		30221	12									
		50		30222	12									
		70		30223	12									
		95		30224	12									
		120		30235	12									
		150		30236	12									
		185		30237	12									
		240		30228	12									
		300		30229	12									
		400		30452	9									
		500												
		630												
		800												
		1000												
INDENTING	INDENTING	CROSS-SECTION (mm²)	CODE	DIE SETS	INDENTORS									
NFC 20-130 XCT. - XG.														
		10-16-25-35-50		30327										
		70-95-120		30331										
		150-185-240		30335										
		10		30322	9									
		16		30323	12									
		25		30324	12									
		35		30325	12									
		50		30326	12									
		70		30328	16									
		95		30329	16									
		120		30330	16									
		150		30332	22									
		185		30333	22									
		240		30334	22									
		300												
HEXAGONAL CRIMPING	* Except BPE130	CROSS-SECTION (mm²)	CODE											
		6	C6											
		10	C10	80160	9									
		16	C16	80161	2 x 5									
		25	C25	80162	2 x 5									
		35	C35											
		50	C50											
		70	C70	30562-01	18									
		95	C95	91680	9									
		120	C120	30781	5									
		150	C150											
		185	C185											



		D31 BPE031 BPL031			D36 BPE036 BPL036		D51 BPE055 BPL055		D62 BPE062 BPL062 BPP062		D80 BPP080			
			CROSS-SECTION (mm²)	CODE	DIE SET P/N		DIE SET P/N		DIE SET P/N		DIE SET P/N			
						WIDTH (mm)		WIDTH (mm)		WIDTH (mm)		WIDTH (mm)		
<b>EARTHING CIRCUIT &amp; INDUSTRIAL NETWORK</b>		<b>HUR - DPD</b>	16 25 35 50 70 95 120 150 185 240	02383 E100	02393 02393	5 5	02434 02415 02622	5 3.5 5	31039 31043 31047	5 5 5	84110 84114 84116 84168	12 5 5 5	84110 84114 84116 84168	12 5 5 5
<b>INDUSTRIAL NETWORK CU / AL BI-METALLIC LUGS</b>		<b>NFC 63-061 ICAU - ACX.</b>	35 50 70 95 120 150 185 240 300	E140 E173 E235 E260	02234 02234	9 9	02377 02376 02376	9 9 9	31217	9	84170 84171 84219 84175	9 9 5 5	84170 84171 84219 84175	9 9 5 5
<b>LV INSULATED OVERHEAD LINE</b>		<b>MJPB. MJPT. MJT. EBPAU. EDBPAU CCFB CPTA. DP/CN. XN8S. EJAS EDAS CN.</b>	6 10 16 25 35 50 54.6 70 70 N 95 120 150 185 240	E140 d16 E140 d20 E173 E173 E215 E280	02234 02234	9 9	02377 02377 02376 02376 02371 02371	9 9 9 9 9 9	31217 31093 31093	9 9 9	84170 84170 84171 84171 84173 84173	9 9 9 9 9 9	84170 84170 84171 84171 84173 84173	9 9 9 9 9 9
SLEEVES		<b>MJPAS MJPASE - JAS</b>	50 70 95 150	E260			02371	9	31093	9	84173	9	84229 84229	5 5
SLEEVES		<b>MJTAS MJTASE EJASE</b>	50 70 95 150 240/95N	E215 E280			02371	9	31093	9	84173	9	84229	5



				C130-XX BPE130		H130	
				BPP130X XC130-XX		BPP130U XH130	
				DIE SET P/N	WIDTH (mm)	DIE SET P/N	WIDTH (mm)
					12		12
				30222	12	30222	12
				30236	12	30236	12
				30228	12	30228	12
				80390	18	80390	18
					9	30578	9
				80387	18	80387	18
				30579	9	30579	9
				80388	18	80388	18
				30636	9	30636	9
				30358	18	30358	18
				80386	9	80386	9
					9	30578	9
				E140	30578	30578	9
				10	80387	30578	9
				16	30579	30579	9
				25	80388	30579	9
				35			
				50	30579	30579	9
				54.6			
				70			
				70 N			
				95			
				120	30580	30580	9
				150	30360-01	30360-01	9
				185			
				240			
				240/95N	30360-01	30360-01	9
					9	80386	9
				E260	30580	30580	9
				50	80386	30580	9
				70			
				95			
				150			
					9	30580	9
				E215	30580	30580	9
				50	30360-01	30360-01	9
				70			
				95			
				150			



		D31 BPE031 BPL031			D36 BPE036 BPL036			D51 BPE055 BPL055			D62 BPE062 BPL062 BPP062			D80 BPP080						
					DIE SET P/N		WIDTH (mm)		DIE SET P/N		WIDTH (mm)		DIE SET P/N		WIDTH (mm)		DIE SET P/N		WIDTH (mm)	
CROSS-SECTION (mm²)	CODE																			
<b>BARE LV/HVA OVERHEAD LINE</b>	<b>COPPER CONDUCTORS</b>	<b>JU</b>	7.07 (30/10) 9.9 (35/10) 10.8 12.56 (40/10) 12.4 14.1 15.9 (45/10) 19.6 (50/10) 17.8 22 27.6 28.26 (60/10) 29.3 38.2 38.46 (70/10) 48.3 59.7 74.9 93.3 116 146 182	E54 E68 E72 E83 E100 E120 E173 E215 E230	02436 02462 02486 02487 02393 02488 02488 02376 02371	5 5 5 5 5 5 9  9														
<b>BARE LV/HVA OVERHEAD LINE</b>	<b>LIGHT ALLOY CONDUCTORS</b>	<b>JL - CN2AA CN2AU. - CNAA - ABT. - CB CBO. - RDB QN2AU. - AT - AB - AR - LR - ALR</b>	22 34.4 43.1 54.6 75.5 93.3 117 148 181.6 228	E100 E120 E140 E173 E210 E230 E250 E280	02393 02488 02234 02488 02376 02371	5 5 9  9														
<b>ALUMINUM / STEEL CONDUCTORS</b>	<b>ALUMINUM CRIMPING</b>	<b>JAR - JALR - JLR</b>	17.8 22 27.8 34.4 37.7 43.1 54.6 58.9 69.3 80 88 59.7 116.2 75.5 147.1 181.6 228	E120 E140 E173 E210 E230 E250 E280	02488 02234 02488 02377 02376 02376 02377 02376 02376 02376 02376 02376 02376 02376 02376 02376 02376 02376 02376 02376	5 9 9  9  9  9  9  9  9  9  9  9  9  9														
<b>ALUMINUM CRIMPING</b>	<b>ALUMINUM CRIMPING</b>																			



		C130-XX BPE130			H130		
		BPP130X XC130-XX			BPP130U XH130		
COPPER CONDUCTORS					ADAPTER	DIE SET P/N	WIDTH (mm)
BARE LV/HVA OVERHEAD LINE	JU	HEXAGONAL CRIMPING	CROSS-SECTION (mm <sup>2</sup> )	CODE			
			7.07 (30/10)	E54	80389	18	
			9.9 (35/10)	E68	30346	18	
			10.8				
			12.56 (40/10)				
			12.4	E72	30347	10	
			14.1				
			15.9 (45/10)				
			19.6 (50/10)				
			17.8	E83	30348	18	
			22				
			27.6				
			28.26 (60/10)	E100	80390	18	
			29.3				
			38.2				
			38.46 (70/10)				
			48.3	E120	80152	18	
			59.7	E173	30353	14	
			74.9				
			93.3				
			116	E215	30580	9	
			146				
			182	E230	30357	10	
LIGHT ALLOY CONDUCTORS		JL - CN2AA CN2AU. - CNAA - ABT. - CB CBO. - RDB QN2AU. - AT - AB - AR - LR - ALR	22	E100	80390	18	
			34.4	E120	80152	18	
			43.1	E140	30352	14	
			54.6				
			75.5	E173	30353	14	
			93.3				
			117	E210	30355	10	
			148	E230	30357	10	
			181.6	E250	30250	5	
			228	E280	30360	5	
ALUMINUM / STEEL CONDUCTORS		JAR - JALR - JLR	17.8	E120	30351	9	
			22				
			27.8				
			34.4				
			37.7	E140	30352	14	
			43.1				
			54.6				
			58.9	E173	30353	14	
			69.3				
			80				
			88				
			59.7	E210	30355	10	
			116.2				
			75.5	E230	30357	10	
			147.1				
			181.6	E250	80453	5	
			228	E280	30360	5	
ALUMINUM CRIMPING							



		D31 BPE031 BPL031			D36 BPE036 BPL036			D51 BPE055 BPL055			D62 BPE062 BPL062 BPP062			D80 BPP080			
		CODE		DIE SET P/N	WIDTH (mm)	CODE		DIE SET P/N	WIDTH (mm)	CODE		DIE SET P/N	WIDTH (mm)	CODE		DIE SET P/N	WIDTH (mm)
<b>BARE LV/HVA OVERHEAD LINE</b>			<b>HEXAGONAL CRIMPING</b>	CROSS-SECTION (mm²)			<b>STEEL CRIMPING</b>		<b>PRE-ROUNDING</b>								
<b>ALUMINUM / STEEL CONDUCTORS</b>			<b>JAR - JALR - JLR</b>	17.8	E54	02436	5		02625	5		31047	5		84176	5	
				22					02627	5		31044	5		84178	5	
				27.8					02622	5		31047	5		84168	5	
				34.4								31044	5		84169	5	
				43.1													
				37.7	E72	02486	5		02642	9		31231	12		84176	5	
				54.6					02643	9		31232	12		84178	5	
				69.3					02644	9		31226	12				
				88								31114	12				
				58.9	E100	02393	5					31115	12				
				80								31098	12				
				59.7	E120	02488	5					31099	12				
				75.5								31100	12				
				116.2								31101	12				
				147.1								31102	12				
				181.6	E135							31103	12				
				228	E160							31233	12				
<b>COPPER OR ALUMINUM SECTORIAL CABLE</b>			<b>PRE-ROUNDING</b>	CROSS-SECTION (mm²)					02637	9		31231	12		84134	35	
			<b>PRE-ROUNDING</b>	6					02638	9		31232	12		84135	35	
				10					02639	9		31226	12		84136	35	
				16					02640	9		31114	12		84137	35	
				25					02641	9		31115	12		84138	35	
				35								31098	12		84139	35	
				50								31099	12		84140	35	
				70								31100	12		84141	35	
				95								31101	12		84142	35	
				120								31102	12				
				150								31103	12				
				185								31233	12				
				240													
				300													
				400													
				500													
				630													



COPPER OR ALUMINUM SECTORAL CABLE	BARE LV/HVA OVERHEAD LINE		ALUMINUM / STEEL CONDUCTORS		C130-XX BPE130	H130
	HEXAGONAL CRIMPING	CROSS-SECTION (mm <sup>2</sup> )	CODE	DIE SET P/N	WIDTH (mm)	
JAR - JALR - JLR		17.8	E54	30345	10	BPP130X XC130-XX
		22				
		27.8				
		34.4				
		43.1				
STEEL CRIMPING		37.7	E72	30347	10	
		54.6				
		69.3				
		88				
		58.9	E100	30349	10	
		80				
		59.7	E120	30351	9	
		75.5				
		116.2				
		147.1				
		181.6	E135	80452	5	
		228	E160			
PRE-ROUNDING		CROSS-SECTION (mm <sup>2</sup> )				
		6				
		10				
		16				
		25		84134	35	
		35		84135	35	
		50		84136	35	
		70		30518	60	
		95		84137	35	
		120		30519	60	
		150		84138	35	
		185		30520	60	
		240		84139	35	
		300		30521	70	
		400		84140	35	
		500		30522	70	
		630		84141	35	
				30523	75	
				84142	35	
				30524	75	
				80449	60	



		D31		D36		D51		D61		D62/D80	
		BPE031	BPL031	BPE036	BPL036	BPE055	BPL055	XD51	BPE061	BPL062	
HEXAGONAL CRIMPING	CROSS-SECTION (mm²)	CODE	DIE SET P/N	WIDTH (mm)	DIE SET P/N						
	copper aluminum										
DIN 48083	4	KZ 4	02495	5	02402	5	31326	5			
	6	KZ 5	02513	5	02394	5	31234	5			
	10	KZ 6	02521	5	02395	5	31121	5			
		KZ 7									
	16	KZ 8	02526	5	02396	5	31124	5			
		KZ 9									
	25	KZ 10	02527	5	02397	5	31122	5			
		KZ 11					77488	5			
	35	25	KZ 12	02552	5	02398	5	31123	5		
	50	35	KZ 14	02455	5	02399	5	31123	5		
	70	50	KZ 16	02421	5	02400	5	31124	5		
	95	70	KZ 18	02558	5	02401	5	31122	5		
			KZ 19					31235	5		
	120		KZ 20		02403	4	31121	5			
			KZ 21					31236	5		
	150	95&120	KZ 22		02512	4	31125	5			
			KZ 23					31237	5		
	185	150	KZ 25					31113	5		
	240	185	KZ 28					31339	5		
	300	240	KZ 32					31340	5		
		300	KZ 34								95019

\*don't use for 240Cu

		H130 BPP130U XH130		XU250	
		DIE SET P/N FOR LUG	DIE SET P/N FOR SLEEVE	PUNCH PUNCH-HOLDER P/N: 30842	DIE SET P/N
DEEP INDENTING	CROSS-SECTION (mm²)	CODE			ADAPTER
NFC 33-090-1	16	0E	30861	30865	30861
RJA - RJAU	25			30392	30865
MJAU - CA	35				
CAU - QAU	50	1E	30862	30866	30866
EAU - XCX	70			30393	30867
XLX - XD - XG	95				30394
XB	120	2E	30863	30867	30868
	150			30395	30395
	185	4E	30864	30868	30869
	240				30860
	300	5E			
	400				



						C130-XX BPE130 XPM130 BPP130X XC130-XX	XH250	XH450	
						DIE SET P/N	DIE SET P/N	DIE SET P/N	
						WIDTH (mm)	WIDTH (mm)	WIDTH (mm)	
HEXAGONAL CRIMPING		CROSS-SECTION (mm²)		CODE					
DIN 48083	copper		aluminum						
	10			KZ 6	30610	12	30252	12	
				KZ 7	30611	12			
				KZ 7	30376	5			
	16			KZ 8	30298	14	30259	12	
				KZ 9	30612	14			
				KZ 9	30377	5			
	25			KZ 10	30299	12	30260	12	
	35	25		KZ 12	30300	12	30261	12	
				KZ 13	78156	14	78126	14	
	50	35		KZ 14	30301	12	30262	12	
				KZ 15	30613	12	30656	14	
	70	50		KZ 16	30302	12	30263	12	
				KZ 17			77257	14	
	95	70		KZ 18	30303	12	30264	12	
	95	70		KZ 18					
				KZ 19	30614	12			
	120			KZ 20	30304	12	30265	12	
				KZ 21	30615	12	30655	14	
	150	95&120		KZ 22	30305	14	30266	14	
	185	150		KZ 25	30306	14	30267	14	
				KZ 27	30375	14			
	240	185		KZ 28	30307	14	30269	14	
				KZ 30	30308	5			
	300	240		KZ 32	30309	5	30269	16	
				KZ 34	30616	5	30270	16	
	400	400		KZ 38	77453	9	30271	16	
				KZ 38	78166	18			
				KZ 40					
	500			KZ 42			30272	16	
	630	500		KZ 44			30273	16	
	steel sleeve			KZ 46					
	800	630		KZ 52				77180	28
	1000	800		KZ 58				30644	25
		1000		KZ 60				30645	25

Above KZ 28, crimping can only be done with C heads stroke 38 mm.





# CRIMPING DIE SETS FOR RAILWAY APPLICATIONS

## CRIMPING DIE SETS D36

### HEXAGONAL DIE SETS FOR SIGNALING AND TRACTION CURRENT RETURN

SNCF approved P/Ns

APPLICATION	TYPE	CRIMPING WIDTH (mm)	P/N
SCNV 7.42 mm <sup>2</sup> copper cable: for crimping lugs	36DE68	5	02626
35 mm <sup>2</sup> 750 NE copper cable: for crimping lugs and extension sleeves	36DE90	9	02413-01
70 mm <sup>2</sup> 750 NE copper cable: for crimping lugs and extension sleeves	36DE120	5	02435-01
95 mm <sup>2</sup> aluminum cable: for crimping bimetallic lugs and sleeves (aluminum part)	36DE173	9	02376

## CRIMPING DIE SETS D62

### HEXAGONAL DIE SETS FOR SIGNALING & TRACTION CURRENT RETURN

SNCF approved P/Ns

APPLICATION	TYPE	CRIMPING WIDTH (mm)	P/N
SCNV 7.42 mm <sup>2</sup> copper cable: for crimping lugs	6DE68	15	84164
35 mm <sup>2</sup> 750 NE copper cable: for crimping lugs and extension sleeves	6DE90	10	84166
70 mm <sup>2</sup> 750 NE copper cable: for crimping lugs and extension sleeves	6DE120	9	84163
95 mm <sup>2</sup> aluminum cable: for crimping bimetallic lugs and sleeves (aluminum part)	6DE173	14	84165
For crimping "C" 70/70 connectors	6DX255	6	84167

## CRIMPING DIE SETS C130

### HEXAGONAL DIE SETS FOR OVERHEAD CONTACT LINE APPLICATIONS

EXAMPLE OF USE

EXAMPLE OF USE	TYPE	CRIMPING WIDTH (mm)	DUBUIS P/N	SNCF SYMBOL
Catenary: for crimping coperit n°3	12DE61	12	30566-01	0.393.1145
Catenary: for crimping 9.3 mm <sup>2</sup> stainless steel terminal	12DE77S	8	30564-01	7.393.6629
Catenary: for crimping 12 mm <sup>2</sup> bronze terminal	12DE85S	12	30560-01	7.393.6628
Catenary: for crimping 35 mm <sup>2</sup> bronze terminal	12DE97	14	30565-01	7.393.6663
Catenary: for crimping coperit n°5	12DE100	10	30349-01	7.393.6611
Catenary: for crimping stainless steel terminal half-clamp	12DG76	2x8	78528	



## HEXAGONAL DIE SETS FOR SIGNALING AND TRACTION CURRENT RETURN

EXAMPLE OF USE	TYPE	WIDTH IMPRINT (mm)	P/N DUBUIS	SNCF SYMBOL
Cable 7.42 mm <sup>2</sup> : for crimping KUVS lugs	12DE68	18	30346-01	7.393.6718
35 mm <sup>2</sup> 750 NE cable: for crimping lugs and sleeves	HMPG35	12	30221-03	7.393.6547
70 mm <sup>2</sup> 750 NE cable: for crimping copper and bimetallic sleeves and lugs (copper part)	HMPG70	12	30223-03	7.393.6546
7.42 mm <sup>2</sup> – 35 mm <sup>2</sup> cable: for crimping MRS sleeves	12DE139MMRS	25	30211-01	7.393.6567
95 mm <sup>2</sup> aluminum cable: for crimping bimetallic lugs and sleeves (aluminum part)	12DE173	14	30353-01	7.393.6712
185 mm <sup>2</sup> 750 NE cable: for crimping lugs and sleeves	HMPG185	12	30237-03	7.393.6545
150 mm <sup>2</sup> aluminum cable: for crimping bimetallic lugs and sleeves (aluminum part)	12DE215	17	30356	
240 mm <sup>2</sup> rigid copper cable: for crimping CMS 240/12 lugs	12DE215/240	12	30228-03	
185 mm <sup>2</sup> 750 NE cable: for crimping bimetallic sleeves (copper part)	12DE220	12	30568-01	
240 mm <sup>2</sup> flexible copper cable: for crimping CMS 240S/12 lugs	12DE230/240S	12	30229-04	
240 mm <sup>2</sup> aluminum cable: for crimping bimetallic lugs and sleeves (aluminum part)	12DE268	17	30569-01	7.393.6711
240 or 262 mm <sup>2</sup> copper cable: jumper clamp fitting or terminal clamp	12DE290	14	30362	
25 mm <sup>2</sup> flexible cable: for crimping on core of cable lug LK25F/12	ECO-EGU25	10/06	30747-03	0.393.1150
95 mm <sup>2</sup> flexible cable: for crimping on core of cable lug LK95F/12	ECO95	12	30717-03	0.393.1152
95 mm <sup>2</sup> flexible cable: for crimping on insulation of cable lug LK95F/12	EGU95	14	30718-03	0.393.1151
185 mm <sup>2</sup> flexible cable: for crimping on core of cable lug LK185F/12 (1 500 V application)	ECO185	14	30744-03	0.393.1149
185 mm <sup>2</sup> flexible cable: for crimping on insulation of cable lug LK185F/12 (1 500 V application)	EGU185	14	30745-03	0.393.1148

## DIE SETS FOR CRIMPING C-shaped connectors

TYPE	CABLE CROSS-SECTION (mm <sup>2</sup> )	CRIMPING WIDTH (mm)	IMPRINT SHAPE	P/N DUBUIS	SNCF SYMBOL
C 25/25	25 - 25	25		30211-01	-
C 70/25 - 12DE170	70 - 25	12		30561	-
C 70/70 - 12DX255	70 - 70	18		30562	0.393.1146
U13DC185	185 - 98	5		30781	0.393.1147



SUBSTATION CRIMPING				
LUGS, CONNECTORS OR SLEEVES		CRIMPING DIE SETS 13 T		
TYPE	SYMBOL N°	TYPE	P/N	SYMBOL
	TINNED COPPER FLAT LUG 95 MM <sup>2</sup> MR-TN-95		section 95 mm <sup>2</sup>	30224-01
	TINNED COPPER FLAT LUG CDCT 116-12		section 120 mm <sup>2</sup>	30235-01
	COPPER ROUND LUG E150 <sup>2</sup> SIMEL 3309B DPD7 70		12DE170	30561
	TINNED COPPER FLAT LUG 185 MM <sup>2</sup> 12-14 AND 16		HMPG185	30237-03 7.393.6545
	TINNED COPPER FLAT LUG 185 MM <sup>2</sup> CS 185	7.952.0775	HMPG185	30237-03 7.393.6545
	TINNED COPPER FLAT LUG 185 MM <sup>2</sup> CSG185+	7.952.0740	HMPG185	30237-03 7.393.6545
	LUG FOR CABLE 240 MM <sup>2</sup> ALUMINUM CAU-240		12DE268	30569-01 7.393.6711
	TINNED COPPER FLAT LUG 300 MM <sup>2</sup> MR 300		12DE268	30569-01 7.393.6711
	TINNED COPPER FLAT LUG 400 MM <sup>2</sup> MR 400		12DE290	30362
	"C" CONNECTOR TINNED COPPER AMP (SIMEL) C120E RDCT 116-75/116 E150 CWV AMP5309B			91680

► Non-exhaustive list. Please contact us for any other connector.

## CRIMPING DIE SETS XH220-250R-BPP220H

SUBSTATION CRIMPING				
LUGS, CONNECTORS OR SLEEVES		CRIMPING DIE SETS 22 T		
TYPE	SYMBOL N°	TYPE	P/N	SYMBOL
	TINNED COPPER FLAT LUG 400 MM <sup>2</sup> MR 400	SH29	64123 (fixed) 64122 (moveable)	0.392.6521 0392.6503
	COPPER FLAT LUG 400 MM <sup>2</sup> INSULATED H32	7.880.4042	SH32	64121 (fixed) 64120 (moveable)
	COPPER FLAT LUG 400 MM <sup>2</sup> SIMEL 4496A (32) XD7 400 2D16		SH32	64121 (fixed) 64120 (moveable)
	ALUMINUM-COPPER FLAT LUG 400 MM <sup>2</sup>		SH36	64119 (fixed) 64118 (moveable)
	C-SHAPED CONNECTOR AMP TINNED COPPER (SIMEL) C120E RDCT 116-75/116 E150 CWV AMP5309B		SV31	77420 (fixed) 77419 (moveable)
	C-SHAPED CONNECTOR TINNED COPPER C75E		SV31	77420 (fixed) 77419 (moveable)
	C-SHAPED CONNECTOR COPPER C120E		SV31	77420 (fixed) 77419 (moveable)
	C-SHAPED CONNECTOR TINNED COPPER SIMEL C185-C185			

► Non-exhaustive list. Please contact us for any other connector.



## GUIDE DIE SETS FOR HEXAGONAL CRIMPING

UTILIZATION (cross-sections in mm <sup>2</sup> )	DESIGNATION	P/N	SNCF SYMBOL
- Cable Cu 26 mm <sup>2</sup> : Half clamp for ribbed wire	SH 16	64107	0.392.6531
- Cable Al Steel 93,3/228: Junction sleeve (steel part), termination lug			
- Cable Bz 65.4: Repair fitting			
- Cable Al Steel 288: Junction sleeve (steel part) + termination lug	SH 17.5	64105	0.392.6532
- Cable Al 238 - Al Ac 93,3/228: Junction sleeve (steel part), termination lug	SH 28.5	64117	0.392.6525
- Cable Al 228/238/288/336: Connecting part, Al or bimetallic termination lug			
- Cable Al 228: Al bypass connection, Al junction, connecting part, bimetallic junction (aluminum part)			
- Cable Al Steel 288/336: Junction sleeve (steel part), termination lug	SH 32.5	64115	0.392.6527

## DIE SETS FOR HEXAGONAL CRIMPING

UTILIZATION (cross-sections in mm <sup>2</sup> )	DESIGNATION	P/N	SNCF SYMBOL
- Round wire Cu 104.5/145.8 - Grooved wire Cu 107/120 - Cable Bz 35/65 bare: Junction sleeve + termination lug	SH 20.4	64126 64127	0.392.6501 0.392.6519
- Cable Cu 104,5/145,8/147/164: Termination lug, Bypass connection, Bimetallic junction (Cu)			
- Cable Cu 104.5/147/164 and 185 insulated: Junction Cu, connecting part, termination lug			
- Cable Cu 104.5/145.8/147/164/185: Half-clamp round wire or ribbed wire			
- Cable Copper 147/164: ATE fitting			
- Cable Bz 116.2: Repair fitting			
- Cable Bz 35/65/116 bare - Bz 35/65 protected – Al 188: Junction sleeve, termination lug	SH 25	64124 64125	0.392.6502 0.392.6520
- Cable Bz 65 bare – Bz 35/65 protected: Anchor sleeve			
- Rod Cu D18: Termination lug, bypass junction or junction bar, Cu			
- Cable Al Steel 93.3: Repair fitting			
- Cable Cu 262: Junction sleeve, termination lug	SH 29	64122 64123	0.392.6503 0.392.6521
- Cable Copper 240/262: Bypass connection, junction, termination lug			
- Cable Cu 240: Junction Cu, connecting part			
- Cable Cu 240/261.5: Half-clamp round wire			
- Cable Al Steel 178/228/288: Repair fitting			
- Cable Bz 116 bare and protected: Junction sleeve, termination lug, anchor sleeve	SH 32	64120 64121	0.392.6504 0.392.6522
- Cable Cu 185 mm <sup>2</sup> : Termination lug			
- Cable Copper 400 mm <sup>2</sup> insulated: Termination lug, junction Cu, connecting part			
- Cable Al 375.6: Connecting part, Al or bimetallic termination lug, Al bypass connection, Al or bimetallic junction	SH 34.5	64112 64113	0.392.6510 0.392.6528
- Cable Al 475: Connecting part, Al or bimetallic termination lug, Al bypass connection	SH 40	64110 64111	0.392.6511 0.392.6529
- Rod Al D30: Jumper clamp fitting Al	SH 44	64108 64109	0.392.6512 0.392.6530



## REINFORCED DIE SETS FOR HEXAGONAL CRIMPING

USES	DESIGNATION	MOVEABLE + FIXED DIE SETS			NUMBER OF CRIMPS
		SNCF SYMBOL	P/N		
- Dropper spliced end stainless steel 9.3 mm <sup>2</sup>	25DE77S	0.392.6545	64151		3
- Dropper spliced end bronze 12 mm <sup>2</sup>	25DE85S	0.392.6540	64100		2
- "Coperit" N°5 oblong sleeve	25DE100	0.392.6550	64147		2

## DIE SETS FOR OVAL CRIMPING

USES	DESIGNATION	MOVEABLE DIE SET		FIXED DIE SET	
		SNCF SYMBOL	P/N	SNCF SYMBOL	P/N
- Jumper clamp fitting Bz 65/ Co 26	SV 29	0.392.6535	64130	0.392.6541	64131
- C-connector 116-75 or 116-116	SV 31	-	77419	-	77420
- Jumper clamp fitting Bz 65/ Co 104.5 or 145.8	SV 42	0.392.6536	64132	0.392.6542	64133
- Jumper clamp fitting Bz 65/ Co 147 or 164					
- Jumper clamp fitting Bz 116/ Co 147 or 164					

## DIE SETS FOR DE-CRIMPING OF CONNECTORS

USES	MOVEABLE DIE SET		FIXED DIE SET (blades)			
	SNCF SYMBOL	P/N	SNCF SYMBOL	P/N		
- Jumper clamp fitting Bz 65/ Co 26	0.392.6554	<b>DV29</b>	64138	0.392.6559	<b>DV13</b>	64139
- Jumper clamp fitting Bz 65/ Co 104.5 or 145.8	0.392.6555	<b>DV42</b>	64140	0.392.6559	<b>DV13</b>	64139
- Jumper clamp fitting Bz 65/ Co 147 or 164						
- PP 116/ Co 104,5 or 147	0.392.6555	<b>DV42</b>	64140	0.392.6560	<b>DV18</b>	64141
- PP 116/ Co 240	0.392.6556	<b>DV52</b>	64142	0.392.6560	<b>DV18</b>	64141
- Co 262/ 104.5 or 147 or 164 or 240 or 262	0.392.6556	<b>DV52</b>	64142	0.392.6561	<b>DV24</b>	64143



## PERSONAL NOTES

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# SLEEVING, CUTTING, FASTENING, CONNECTING, CRIMPING, PUNCHING, ASBESTOS REMOVAL

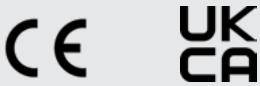
## VARIOUS APPLICATIONS

Based on our expertise in hydraulic tooling, we have developed effective solutions to suit a wide range of applications.

> Please do not hesitate to contact us for specific requirements.



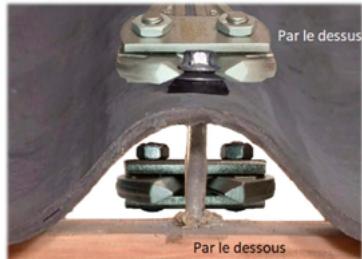
# SPECIAL TOOLS



ASBESTOS REMOVAL		BGC008 BOLT-CUTTER ON BOOM	<a href="#">page 156</a>
BAR / ROD / IRON CUTTER		BCP008C BOLT CUTTER	<a href="#">page 157</a>
		BCP016C -17C -18C BAR/ROD CUTTER ON POLE	<a href="#">page 158</a>
		BCP20R REBAR CUTTER	<a href="#">page 160</a>
NUT CRIMPING		ES51 SETTING TOOL FOR CRIMPING NUTS	<a href="#">page 161</a>
PLATE PUNCHING		PO50 PUNCHING TOOL	<a href="#">page 162</a>
PPE-LIFE LINE		MK31 SLEEVING TOOL	<a href="#">page 164</a>
		BPP130 -1 -3 SLEEVING TOOL	<a href="#">page 165</a>
		DIE SET EPI13411-3	<a href="#">page 164</a>
		PPE DIE SET FOR CONNECTOR ON STAINLESS STEEL CABLE	<a href="#">page 168</a>



ONLY DULY TRAINED OPERATORS CAN CARRY OUT THE TASKS DESCRIBED IN THIS SHEET. THE APPLICABLE RULES MUST BE STRICTLY OBSERVED.



## BGC008

NEW

&gt; BGH702 + XCP008



Do not use on live cables.

### BOLT CUTTER ON POLE WITH BATTERY-OPERATED HYDRAULIC POWER PACK IN WATERTIGHT BACKPACK TO CUT ASBESTOS FIBRE CEMENT ROOF PANEL FASTENINGS ON/UNDER ROOFS



#### ROBUST / CLEANABLE

Suitable for intensive work, spray-cleanable.



#### INTERCHANGEABLE HEADS

Easy to replace (Beta pins). Different blade configurations: curved, straight or flush cutting.



#### CUTS WITHOUT SPARKS / ELECTRONIC PROTECTION

Ideal for working in at-risk areas (NON-ATEX TOOL).



#### USE

Perfect for cutting fasteners such as lag-screws, screws, L-shaped hooks, nails.



#### USER COMFORT

- Reduced back and shoulder MSD, etc.
- For removal from above, no longer any need to bend down.
- Upright working position.
- For removal from below, no longer any need to stretch upwards.
- Work without physical effort.
- Safety distance between cutter and operator.
- Hook option for hanging on aerial platform.



#### ERGONOMIC

- 2-Button remote control: cutting or opening
- Elastomer grip for 2nd hand
- Height-adjustable grip, left/right-hand reversible
- ON/OFF button accessible without having to open the bag (standby after 180 min)



#### PRODUCTIVITY

Significant productivity gains compared with a manual bolt cutter.

#### FORCE

24 kN

#### POLE DIMENSIONS (L x w x h in mm)

1250 x 175 x 220

#### WEIGHT OF THE POLE

4.200 kg

#### WEIGHT OF BACKPACK (with battery)

7.000 kg

#### CUTTING CAPACITY

up to Ø10 mm\*

#### CUTTING TIME

3 sec

#### IP

54

#### BATTERY LIFE (with battery 5 Ah)

about 500 strokes\*

#### ACOUSTIC POWER LEVEL (LwA)

72.8 dB(A)

#### THE EFFECTIVE WEIGHTED ACCELERATION

<2.5m/s<sup>2</sup>

\* depending on materials

#### ACCESSORIES

Battery	P/N DCB184G-XJ
220 V charger	P/N DCB1104-QW
12 V charger	P/N DCB119-XJ
Boom case (1470x320x170)	P/N 95221
Watertight box (554x408x371) on request	P/N 78480
hose+remote-control kit	P/N 96808



Réf 95225C option



Réf 93582 included



Réf 95857C included



Utilisation de la XCP008

StanleyBlack&Decker



XCP008 comparatif technique de démantèlement de toit amiante

StanleyBlack&Decker

<https://sbd.deephow.ai/p/82PGeHxmMyeGzLWDnQx>

<https://sbd.deephow.ai/p/UZ6bIDjtCxPLoMBDrUv5>



> 3 POSSIBLE CONFIGURATIONS



NEOELEC™

# BCP008C

BOLT CUTTER  
18 V LI-ON BATTERY-OPERATED



## ROBUST

Suitable for intensive work.

## INTERCHANGEABLE HEADS

Easy to replace (Beta pins). Different blade configurations: curved, straight or flush cutting.

## CUTS WITHOUT SPARKS / ELECTRONIC PROTECTION

Ideal for working in at-risk areas (NON-ATEX TOOL).

## USE

Threaded rods up to M8  
others Ø8 depending on materials

## USER COMFORT

Work without physical effort  
Soft grip



Do not use on live cables.



**DIMENSIONS** (mm) 594 x 494 x 149

**WEIGHT** 3.660 kg

> Tool supplied in a case with 1 charger and 1 battery

## FORCE

24 kN

**CUTTING TIME** (depends on the cross-section to be cut) 3 s

**BATTERY LIFE** (depends on the material) 500 strokes

**DIMENSIONS** (L x w x h in mm) 450x300x90

**WEIGHT** (with battery) 4.600 kg

**ACOUSTIC POWER LEVEL** (LwA) 72.8 dB(A)

**THE EFFECTIVE WEIGHTED ACCELERATION** <2.5m/s<sup>2</sup>

## ACCESSORIES

**5 AH 18 V LI-ION BATTERY**

P/N DCB184G-XJ

**CHARGER**

P/N DCB1104-QW



## HEADS



Réf : 95225



Réf : 93582



Réf : 95857



> New head design, lighter, thinner, more ergonomic.

**NEOELEC™**

# BCP017C

## SHEARS ON POLE 18 V LI-ON BATTERY-OPERATED

NEW



### ROBUST / EASY TO CLEAN

Suitable for working in the field.



### INTERCHANGEABLE HEADS

Easily replaceable. P/N 93742.



### CUTS WITHOUT SPARKS / ELECTRONIC PROTECTION

Ideal for working in at-risk areas (NON-ATEX TOOL).



### HIGH CUTTING CAPACITY

- M18 threaded rod
- Ø16 or 2xØ14 reinforcing steel in 1 stroke
- Quick cutting
- Cutting capacity: 160 kg/mm<sup>2</sup>: 10 mm



### USER COMFORT

- Reduced back and shoulder MSD, etc.
- No need to bend down. Upright working position
- Work without physical effort
- Safety distance between the cut and the operator

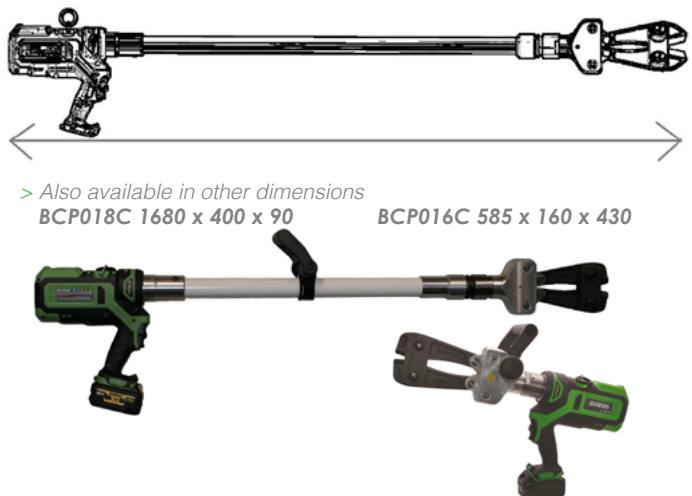


### ERGONOMIC

- Swiveling handle



Do not use on live cables.



> Also available in other dimensions  
BCP018C 1680 x 400 x 90

BCP016C 585 x 160 x 430

### FORCE

90 kN

**CUTTING TIME** (depends on the cross-section to be cut) 7 to 15 s

**BATTERY-LIFE** (depends on the material)

**DIMENSIONS** (L x w x h in mm) 1040 x 400 x 90

**WEIGHT** (with battery) 11.800 kg

**ACOUSTIC POWER LEVEL** (LwA) 75 dB(A)

**THE EFFECTIVE WEIGHTED ACCELERATION** <2.5m/s<sup>2</sup>

### ACCESSORIES

**5 AH 18 V LI-ION BATTERY**

P/N DCB184G-XJ

**CHARGER**

P/N DCB1104-QW



**CASE**

P/N 95878



> Cut concrete reinforcing steels with the battery-operated tool **BCP20R**.





**NEOELEC™  
BCP20R**

BATTERY-OPERATED HYDRAULIC  
REBAR CUTTER

> P/N BCP130RC

**LIGHTWEIGHT PORTABLE TOOL | 18 V 4.0 Ah LI-ION BATTERY**  
Perfect for working in the field, at a height...  
Limits MSDs (*Musculo-skeletal disorders*).

**MECHANICAL SYSTEM TO MAINTAIN THE REBAR  
IN THE CUTTING AXIS**

To avoid damaging the blades.

**INTERCHANGEABLE BLADES | SPECIAL COATING**  
Easy to replace and use.

**CLEAN CUT, RISK-FREE FOR THE OPERATOR**  
No sparks.

<b>FORCE</b>	130 kN
<b>BATTERY</b>	18 V Li-Ion 4.0 Ah
<b>CUTTING SPEED</b>	9 s
<b>BATTERY LIFE</b> Ø 10 mm	200 strokes
Ø 16 mm	120 strokes
<b>DIMENSIONS</b> (L × w × h in mm)	430 × 90 × 310
<b>WEIGHT</b>	7.000 kg
<b>ACOUSTIC POWER LEVEL</b> (LwA)	75 dB(A)
<b>THE EFFECTIVE WEIGHTED ACCELERATION</b>	<2.5m/s <sup>2</sup>



Cutting standard rebars  
**4 to 20 mm:**

- round or twisted steel bars;
- chains;
- bolts and threaded rods.

> Please contact us.

Blade kits  
> P/N 91846



> Case and charger supplied with the tool.  
> Accessories  
See PAGE 98.

**NEOELEC™**

P/N	ACCESSORIES	DIMENSIONS (L × w × h in mm)	WEIGHT
77531	Reinforced plastic case as an option	594 × 494 × 149	3.660 kg
AC18220	Fast charger 220 V EC plug (*)	180 × 120 × 80	0.540 kg
AC18012	12 V cigar-lighter charger	180 × 120 × 80	0.660 kg
AB18LI400	18 V 4.0 Ah Li-Ion battery	115 × 75 × 65	0.620 kg
91846	Blade kit		

(\* possibility of UK or US-110 V plug)



# ES51

## HAND-OPERATED HYDRAULIC SETTING TOOL FOR CRIMPING NUTS

> P/N 30944-01

### POWERFUL, ROBUST MANUAL TOOL

The hydraulic force of this hand tool means it can be used to set all types of crimping nuts (flat or countersunk heads, aluminum...), M6 to M16.

### FUNCTIONAL TOOL

- 1 draw stud + 1 anvil per nut thread (*common locknut*).
- Stroke adjusted by aluminum ring.
- The nut is unscrewed by the wheel on the end of the handle.

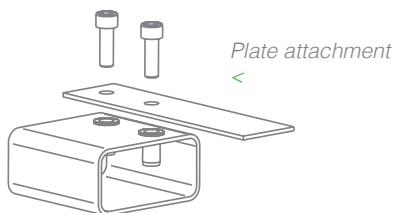
### AUTOMATIC RELEASE

At set force, with audible click.  
Piston return by release trigger.

<b>ADJUSTABLE STROKE</b>	0 to 7 mm
<b>FORCE</b>	50 kN
<b>DIMENSIONS (L x w x h in mm)</b>	380 x 135 x 55
<b>WEIGHT</b>	2.660 kg

### MIN. & MAX. PLATE THICKNESS FOR CRIMPING NUTS (mm)

Diameter (Ø)	Flat heads	Countersunk heads
M6	0.5 – 8	1.5 – 9
M8	0.5 – 10.5	1.5 – 9
M10	1 – 11	1 – 9
M12	1 – 10	1 – 10.5
M14	1.5 – 9	3 – 9



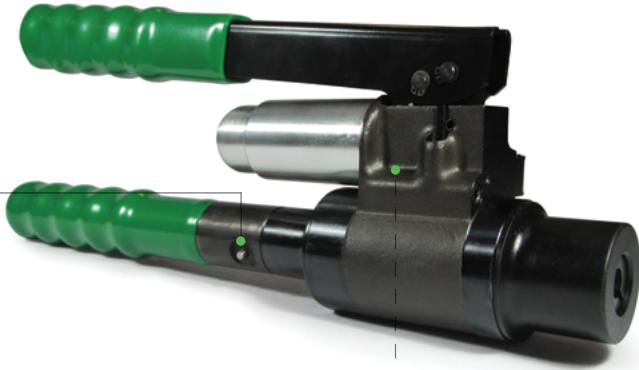
<b>DIMENSIONS (mm)</b>	555 x 375 x 180
<b>WEIGHT</b>	3.900 kg
<b>P/N</b>	P/N 78479 as an option+foam 95174



<b>TYPE</b>	<b>DRAW STUD P/N</b>	<b>LOCKNUT P/N</b>	<b>ANVIL P/N</b>	<b>KIT WITH 3 PARTS</b>
M6	30174		30175	30809
M8	30154		30150	30810
M10	30153		30149	30811
M12	30152	30146	30148	30812
M14	30151		30147	30813
M16 *	30215		30214	30829

\* Only possible with the OTALU (Rivklé) and SIMAF (Serblloc) ranges.

Please check the charts from the suppliers of your crimping nuts to find out the required stroke and to ensure that the nuts are compatible with the plate thickness.



# PO50

## HAND-OPERATED HYDRAULIC PUNCHING TOOL

> P/N 30904

### POWERFUL TOOL

Even though it is a hand tool, it has the hydraulic power to punch steel plates of all grades and large diameters.  
Ideal for quick fixes on production lines or small production runs.

### QUICK & SIMPLE TO USE

To be used with draw-studs of Ø 9.5 or 19 mm, and standard punches/die sets.

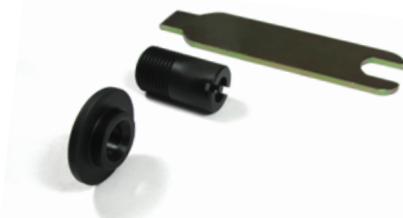
### REMOVABLE HANDLE

To work in confined spaces.

### AUTOMATIC TRIGGERING

ON effort, with audible click.  
Piston return by release trigger.

> Reduction bushing, sleeve and flat spanner supplied with the tool.



ADJUSTABLE STROKE	21 mm
FORCE	50 kN
DIMENSIONS (L x W x h in mm)	350 x 130 x 55
WEIGHT	2.700 kg



### MAX. THICKNESS OF THE PLATES TO BE PUNCHED (mm)

Diameters (Ø)	Aluminum	Steel	Stainless steel
Ø 96	3	2 – 2,5	1,5
Ø 75	3 – 3,5	2,5 – 3	2
Ø 60	3,5 – 4	3	2 – 2,5

> List of die sets/punches, **please contact us.**



DIMENSIONS (mm)	555 x 375 x 180
WEIGHT	3.900 kg
P/N	P/N 96806 as an option



DRAW-STUD Ø 19 mm $\frac{3}{4}$	P/N 30198
DRAW-STUD Ø 9,5 mm $\frac{3}{8}$	P/N 30199

# PPE RANGE

## VARIOUS APPLICATIONS

Based on our expertise in hydraulic tooling, we have developed effective solutions to suit a wide range of applications.

> Please do not hesitate to contact us for specific requirements.





- > P/N 34915B
- > Available in **BPL031** and **BPE031** battery-operated version  
(crimping capacity identical to that of the tool)

## MK31

<b>STROKE</b>	8 mm
<b>FORCE</b>	35 kN
<b>DIMENSIONS</b> (L x w x h in mm)	200 x 50 x 175
<b>WEIGHT</b>	1.320 kg

 CAUTION: NOT SUITABLE FOR LIFTING ACTIVITIES



### POWERFUL & LIGHTWEIGHT TOOL

These tools can be used to crimp sleeves up to **M6**.



### COMPATIBLE DIE SETS

With tools **BPE062** and **BPP062**.



### AUTOMATIC RELEASE

At set force, with audible click.  
Piston return by release trigger.



### ROTATIVE HEAD

180°.

- Applications in the maritime (*rigging*), construction (*architecture*), adventure park sectors...
- Sleeving ensures quality, safety and a long service life  
(compared with manual splicing and cable-clamps).
- Tensile strength equal to the breaking load of the cable.  
*TALURIT* approval.

Sleeving of cables in sling loops with aluminum or copper sleeves. *Not recommended for lifting applications.*



APPLICATIONS	CABLE Ø in mm
Non EN13411-3 standard	Ø0.5 to 2
As per standard EN13411-3	Ø2.5 to 6

See tables

- Die set number = sleeve number (as per EN13411-3)
- Burr-cutter



<b>DIMENSIONS</b> (L x w x h in mm)	350 x 260 x 85
<b>WEIGHT</b>	0.740 kg
> Tool supplied in a case	



> Available in manual version **MPL130** or on hydraulic power pack **XPH130**, (crimping capacity identical to tool **BPP130**).



**NEOELEC™**  
**BPP130** -1  
-3

STROKE	26 mm (-1)	38 mm (-3)
FORCE	130 kN	130 kN
DIMENSIONS (L × w × h in mm)	395 × 86 × 335	425 × 86 × 335
WEIGHT (with battery)	6.800 kg	7.350 kg
ACOUSTIC POWER LEVEL(LwA)	75 dB(A)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s <sup>2</sup>	<2.5m/s <sup>2</sup>



#### ROTATIVE HEAD

180°.



#### WIDE CRIMPING CAPACITY

maritime (rigging), construction (architecture), adventure park sectors



#### FITTED WITH A MECHANICAL STOP

Piston stops at the end of the stroke.



#### DEDICATED SOFTWARE FOR ANALYSIS AND PREVENTIVE MAINTENANCE

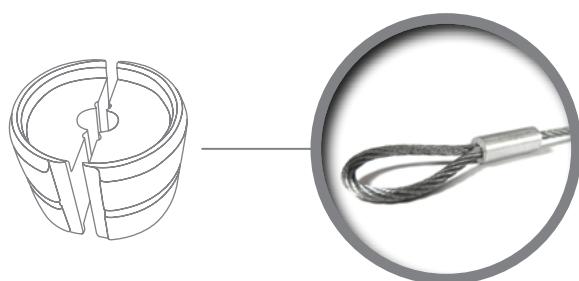


#### CAUTION: NOT SUITABLE FOR LIFTING ACTIVITIES

APPLICATIONS	CABLE Ø in mm
Non EN13411-3 standard	Ø0.5 to 2
as per standard EN13411-3	Ø2.5 to 6
LATCHWAYS connectors on stainless steel cables	Ø8

See tables

- Sleeving of cables in sling loops with aluminum or copper sleeves.  
*Recommended for lifting applications.*
- Sleeving ensures quality, safety and a long service life  
*(compared with manual splicing and cable-clamps).*
- Tensile strength equal to the breaking load of the cable.  
*TALURIT approval.*



DIMENSIONS (mm)	594 × 494 × 149
WEIGHT	3.660 kg

> Tool supplied in a case with 1 charger and 1 battery



# NON EN13411-3 STANDARD FOR SLEEVE sahm zen 13411-3

Correspondence between non EN13411-3 standard DUBUIS die sets and SAHM sleeves									
Cable Ø in mm		Tool	Sleeve No.	Cables with textile core			Cables with central steel core		
Min.	Max.	Series		Die set P/N	Die set width	Number of passes	Die set P/N	Die set width	Number of passes
0.5	0.8	31	1	-			02634	8.75	1
		62		-			84181	9	1
		130		02634	8.75	1	30404	9	1
0.9	1	31	1.5	84181	9	1	-		
		62		30404	9	1	-		
		130		-			02438	8.75	1
0.9	1.1	31	1.5	84182	9	1	84182	9	1
		62		30405	9	1	30405	9	1
		130		02438	8.75	1	-		
1.1	1.5	31	2	84182	9	1	-		
		62		30405	9	1	-		
		130		-			02440	8.75	2
1.2	1.6	31	2	02440	8.75	2	02476	12	1
		62		02476	12	1	84183	12	1
		130		84183	12	1	30406	12	1
1.6	2	31	2	30406	12	1	-		
		62		-			-		
		130		-			-		
		-			-			-	

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**CAUTION: NOT SUITABLE FOR LIFTING ACTIVITIES**

# DUBUIS DIE SETS TO CRIMP CONNECTORS ON STAINLESS STEEL CABLES

<b>DUBUIS die sets to crimp LATCHWAYS connectors on stainless steel cables</b>						
Stainless steel cable Ø in mm	connector dimensions in mm		TOOL Series 130: C130 - BPP130 - XC130- MULTITOOL-XPM130 Series 250: XH250 Series 450: XH450			
	Interior	Exterior	Series	Die set P/N	Die set width	Number of passes
6	6.35	12.65	450	91228	25	2
8	8.4	13	130	80323	9	5
			250	30688	14	4
			450	30689	16	3
			450	30372	22	3
10	10.6	17.75				

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**CAUTION: NOT SUITABLE FOR LIFTING ACTIVITIES**

<b>DUBUIS die sets to crimp BORNACK connectors on stainless steel cables</b>						
Stainless steel cable Ø in mm	Connector dimensions in mm		TOOL Series 130: C130; BPP130; XC130 Series 250: XH250 Series 450: XH450			
	Interior	Exterior	Series	Die set P/N	Die set width	Number of passes
8	8.4	16	250	30798	12	4

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**CAUTION: NOT SUITABLE FOR LIFTING ACTIVITIES**



# DUBUIS, ALSO MEANS:

- RAILWAYS
  - AUTOMOTIVE
  - SHIPBUILDING
  - AERONAUTICS
  - AGRICULTURE
  - SANITATION-PLUMBING
  - ELECTRICITY
  - DATA CENTER IT
  - HVAC SYSTEMS
  - SOLAR POWER
- ....



## EARTH BONDS FOR AN EFFECTIVE ELECTRICAL CONNECTION

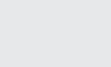
**The earth bond** provides an equipotential bond between 2 metallic structures or devices (rolling stock, transformers, wind turbines, offshore platforms, cars...).



### DISCOVER OUR EARTH BONDING SYSTEM.

> A 20-page booklet explaining the Dubuis earth bonding system, a revolutionary method creating a secure anchor point for a reliable electrical connection. The earth bond creates an equipotential bond between a structure and equipment to pass a high current in the case of a short-circuit.

# EARTHING

OLEO-PNEUMATIC TOOL		PMA10	page 172
MANUAL SETTING TOOL		MTPM06-08-10	page 173
		MTPMXX	page 175
		XPH3INP XPH4INP XPH6INP	page 177
BATTERY-OPERATED SETTING TOOL		MTPX06-08	page 179
DRILL BITS & OILS		BTEMXX	page 174
		XPH3INE XPH4INE XPH6INE	page 176
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EARTH BOND (EB)		SPECIAL REAMER DRILL BITS	page 178
		CUTTING FLUID	page 178
EARTH BOND (EB)		MALE EB FOR STEEL/ STAINLESS STEEL METAL SHEET	page 186
		MALE EB FOR ALUMINUM METAL SHEET	page 182
		FEMALE EB FOR STEEL/STAINLESS STEEL METAL SHEET	page 184
		FEMALE EB FOR ALUMINUM METAL SHEET	page 185



# PMA 10

## OLEO-PNEUMATIC EARTH BOND SETTING TOOL

- > P/N 65909
- > used to effortlessly install threaded or tapped earth bonds



### QUICK SCREWING

by powerful pneumatic motor coupled with the tiebolt.  
Direct insertion of the earth bond



### INTERCHANGEABLE NOSE

to suit earth bond dimension

> tool suitable for setting all DUBUIS earth bond P/Ns corresponding to M6, M8 and M10 interfaces

<b>STROKE</b>	8 mm
<b>FORCE</b> (adjustable)	9 to 28 kN
<b>WEIGHT</b> (tool with battery)	3.700 kg
<b>NOISE LEVEL</b>	<64dB(A)
<b>HEAD DIMENSIONS</b> (L x W x H)	270 x 140 x 320
<b>PRESSURE</b> (L x W x H)	5.5 bar
<b>ACOUSTIC POWER LEVEL</b> (LwA)	<64 dB(A)

\* please contact us for imperial version

## ACCESSORIES

- |                    |           |
|--------------------|-----------|
| Dynamometer        | P/N 80928 |
| (delivered in box) |           |



<b>DIMENSIONS</b> (mm)	440 x 440 x 162
<b>WEIGHT</b>	2 kg
<b>P/N</b>	91356 (supplied with the tool)



# MTPM06-08-10

## EARTH BOND SETTING TOOL MANUAL

> used to effortlessly install threaded or tapped earth bonds



### Manual screwing

The earth bond is inserted directly



### LIGHT & SIMPLE

easy to use

> tool suitable for installing all the DUBUIS earth bond P/Ns corresponding to the M6 and M8 type interfaces

<b>STROKE</b>	8 mm
<b>FORCE</b> MTPM06 (light blue)	M6-10 kN
MTPM08 (dark blue)	M8-18 kN
MTPM10 (green)	M10-25 kN
<b>WEIGHT</b>	1.350 kg
<b>HEAD DIMENSIONS (L X Ø)</b>	88x58

\* please contact us for imperial version



<b>DIMENSIONS (mm)</b>	285 x 303 x 82
<b>WEIGHT (EMPTY)</b>	0.9 kg
<b>P/N</b>	82802 (supplied with the tool)



UNIVERSAL tool to set metric or imperial, threaded or tapped earth bonds

**AUTOMATIC SCREWING**  
by "push-pull" system

**SIMPLE TARE CHANGE**  
Tool easy to adjust thanks to the set screw

**INDICATOR LIGHT**  
Displaying tool status

**SETTING FORCE GUARANTEED**  
With automatic return and unscrewing

**ERGONOMIC DESIGN**  
Well-balanced for optimum handling

	M6	M8	M10
<b>COLOR</b>	YELLOW	BLUE	GREEN
<b>TARING</b>	10 kN	18 kN	25 kN
<b>BUSHING</b>	94874	94875	94876
<b>NOSE</b>	94877	94878	94879

<b>STROKE</b>	11 mm
<b>FORCE</b> (adjustable)	6 to 25 kN
<b>CYCLE TIME</b> (approx.)	2 s
<b>BATTERY LIFE</b>	>1000 insertions
<b>DIMENSIONS</b> (L x w x h in mm)	373 x 60 x 260
<b>WEIGHT</b> (with battery)	3.440 kg
<b>ACOUSTIC POWER LEVEL</b> (LwA)	74.9 dB(A)
<b>THE EFFECTIVE WEIGHTED ACCELERATION</b>	<2.5m/s <sup>2</sup>

\* please contact us for imperial version

**DIMENSIONS** (mm) 520 x 440 x 130

**WEIGHT** (WITH THE TOOLS) 6.2 kg

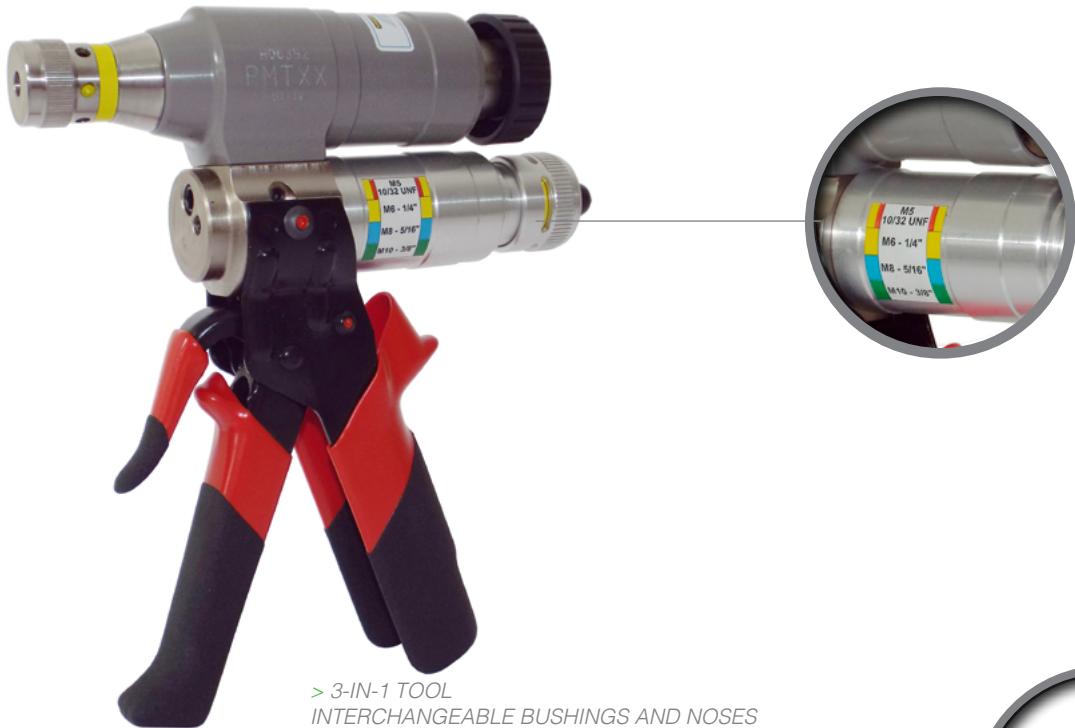
- > Case and charger supplied with the tool.
- > Accessories **NEOELEC™**  
See **PAGE 98**.



<https://sbd.deephaw.ai/p/0DAIKf2obfoUQOqZJMkk>

<https://sbd.deephaw.ai/p/MR21u2hPyQg8553dt3yj>





> 3-IN-1 TOOL  
INTERCHANGEABLE BUSHINGS AND NOSES

# MTPMXX

## EARTH BOND SETTING TOOL **MANUAL**

UNIVERSAL tool to set metric or imperial, threaded or tapped earth bonds



### SIMPLE TARE CHANGE

Tool easy to adjust thanks to the set screw



### SETTING FORCE GUARANTEED

With automatic return, automatic release with audible click



### LIGHT & COMPACT

Very easy to handle, for use in any position

### EARTH BOND SETTING M6, M8 and M10



#### STROKE

12 mm

#### FORCE (adjustable)

10 to 25 kN

#### DIMENSIONS (L x w x h in mm)

192 x 52 x 207

#### WEIGHT

1.350 kg

\* please contact us for imperial version

**DIMENSIONS (mm)** 285 x 303 x 82

**WEIGHT (WITH THE TOOLS)** 2.5 kg

> Case supplied with the nose.

	M6	M8	M10
COLOR	YELLOW	BLUE	GREEN
TARING	10 kN	18 kN	25 kN
BUSHING	91885	91886	91887
NOSE	91889	91890	91891



NEOELEC™

# XPH3INE-XPH4INE-XPH6INE

## EARTH BOND SETTING TOOL 18 V BATTERY-OPERATED

With the remote hydraulic head, linked by an integral 70 cm-long flexible hose



### QUICK SCREWING

Wheel with a ratio of 1/4.3 screw turns (for the M10, M12 versions). The earth bond is inserted directly.



### LIGHTING

LED lighting of the work area.



### ERGONOMIC

Earth bonds can be set without the space required for a battery-powered tool.

> Head suitable for setting all DUBUIS earth bond P/Ns corresponding to M10 / M12 / M16 interfaces

<b>STROKE</b>	8 mm	
<b>FORCE</b>	XPH3INE XPH4INE XPH6INE	M10-27 kN M12-37 kN M16-60 kN
<b>WEIGHT</b> (tool with battery)	2,700 kg	
(remote head)	1.300 kg	
<b>HEAD DIMENSIONS</b> (L x Ø x l)	98.2 x 66.4 x 111 mm	
<b>ACOUSTIC POWER LEVEL</b> (LwA)	74.9 dB(A)	
<b>THE EFFECTIVE WEIGHTED ACCELERATION</b>	<2.5m/s <sup>2</sup>	

\* please contact us for imperial version



**DIMENSIONS** (mm) 520 x 440 x 130

**WEIGHT** (WITH THE TOOLS) 2.3 kg

> Case and charger supplied with the tool.

> Accessories **NEOELEC™**  
See **PAGE 98**.



# XPH3INP-XPH4INP-XPH6INP

NEW

## EARTH BOND SETTING TOOL MANUAL

With the remote hydraulic head, linked by an integral 70 cm-long flexible hose

> Head suitable for setting all DUBUIS short and long threaded earth bond P/Ns corresponding to M10 / M12 / M16 interfaces



### QUICK SCREWING

Wheel with a ratio of 1/4.3 screw turns (for the M10, M12 versions).



### ERGONOMIC

Earth bonds can be set without the space required for a battery-powered tool.

<b>STROKE</b>	8 mm
<b>FORCE</b>	XPH3INP M10-27 kN XPH4INP M12-37 kN XPH6INP M16-60 kN
<b>WEIGHT</b> (tool with battery)	2 kg
	(remote head) 1.300 kg
<b>HEAD DIMENSIONS</b> (L X Ø)	88x58

\* please contact us for imperial version



<b>DIMENSIONS</b> (mm)	555 x 375 x 180
<b>WEIGHT</b>	3.9 kg
<b>P/N</b>	96806



**NEOELEC™  
BTPX06-08**

EARTH BOND SETTING TOOL  
**18 V BATTERY-OPERATED**

With the remote hydraulic head, linked by an integral 70 cm-long flexible hose

NEW

> Head suitable for setting all DUBUIS short and long threaded earth bond P/Ns corresponding to M6-M8 interfaces



**Manual screwing**

The earth bond is inserted directly.



**LIGHTING**

LED lighting of the work area.



**ERGONOMIC**

Earth bonds can be set without the space required for a battery-powered tool.

<b>STROKE</b>	8 mm
<b>FORCE</b> BTPX06	M6-10 kN
BTPX08	M8-18 kN
<b>WEIGHT</b> (tool with battery)	2.700 kg
(remote head)	0.400 kg
<b>HEAD DIMENSIONS</b> (L x w x h)	48 x 44 x 40 mm
<b>ACOUSTIC POWER LEVEL</b> (LwA)	74.9 dB(A)
<b>THE EFFECTIVE WEIGHTED ACCELERATION</b>	<2.5m/s <sup>2</sup>

\* please contact us for imperial version

**DIMENSIONS** (mm) 520 x 440 x 130

**WEIGHT** (WITH THE TOOLS) 2.3 kg

> Case and charger supplied with the tool.

> Accessories **NEOELEC™**  
See **PAGE 98**.





# MTPX06-08

## EARTH BOND INSTALLATION TOOL MANUAL

With the remote hydraulic head, linked by an integral 70 cm-long flexible hose

**NEW**

> Head suitable for setting all DUBUIS short and long threaded earth bond P/Ns corresponding to M6-M8-M10 interfaces



### Manual screwing

The earth bond is inserted directly



### ERGONOMIC

Earth bonds can be set without the space required for a battery-powered tool

<b>STROKE</b>	8 mm
<b>FORCE</b> MTPX06	M6-10 kN
MTPX08	M8-18 kN
<b>WEIGHT</b> (tool with battery)	1.200 kg
(remote head)	0.400 kg
<b>HEAD DIMENSIONS</b> (L x w x h)	48 x 44 x 40 mm
<b>TOOL DIMENSIONS</b> (L x w x h)	169 x 125 x 47 mm

\* please contact us for imperial version



<b>DIMENSIONS</b> (mm)	440 x 440 x 162
<b>WEIGHT</b>	2 kg
<b>P/N</b>	91356 (supplied with the tool)

## SPECIAL REAMER DRILL BITS

► HSS 5% COBALT SUITABLE FOR EARTH BOND DIAMETERS

Drilling quality is very important to provide a good electrical connection. The drilling tolerances have to be respected (-0/+0,2). DUBUIS offers a range of reamer drills, adapted to the diameter of each earth bond, to be used with portable drills.

Recommended drilling methods:

1. Drill right into the material just before setting the earth bond:  
Use the **long reamer drill bit**.
2. Drill a guide hole with a diameter 1 mm smaller than the nominal diameter. Then the operator bores the hole to the nominal diameter, using the **short reamer drill bit**.



SHORT DRILL BITS			LONG DRILL BITS		
P/N	DRILLING Ø	DRILLING DEPTH	P/N	DRILLING Ø	DRILLING DEPTH
OFE0850016	8.5 mm	16 mm	OFE0850032	8.5 mm	32 mm
OFE1050020	10.5 mm	20 mm	OFE1050041	10.5 mm	41 mm
OFE1150018	11.5 mm	18 mm	OFE1150044	11.5 mm	44 mm
OFE1350019	13.5 mm	19 mm	OFE1350037	13.5 mm	37 mm
OFE1500018	15 mm	18 mm	OFE1500042	15 mm	42 mm
OFE1900022	19 mm	22 mm	OFE1900051	19 mm	51 mm

## CUTTING FLUID

► We recommend using a cutting fluid for electrical neutrality. This liquid does not interfere with the connection, even if there is oil residue around the edge of the hole.



Drilling in aluminum, **alufluid** cutting fluid

P/N 80298



Drilling in steel or stainless steel,  
**ferrofluid** cutting fluid

P/N 80300

- Reduced drill bit wear
- Longer bit service life
- Prevents chips from sticking
- Electrical neutrality

## BUSHING REMOVER



DRILLING DIAMETER	REMOVAL TOOL
Ø8.5	30725
Ø11.5	30700
Ø13.5	30595
Ø19	30671
Ø22	30705



## THREADED MALE EB (TEST, PERFORMANCE, STANDARDS & DIMENSIONS)

## ► UTILIZATION IN STEEL AND STAINLESS-STEEL PLATE

THREAD DIMENSIONS	M6	M6	M6	M6	M6	M6
PLATE THICKNESS	1.5 - 4 mm	1.5 - 4 mm	1.5 - 4 mm	1.5 - 4 mm	> 4	> 4
DRILLING DIAMETER (mm)	11.5 / 11.7	11.5 / 11.7	11.5 / 11.7	11.5 / 11.7	8.5 / 8.7	8.5 / 8.7
PACKAGING + VISUAL (20/BOX)						
DUBUIS P/N	80974	80923	77907	77905	80975	80925
ALSTOM P/N	DTR0000133407	DTR0000001260	DTR0000133407	DTR0000001260	DTR0000133656	DTR0000001261
BOMBARDIER P/N	NA	3EER100005-781	NA	NA	3EER400005-6424	NA
LONG DRILL BIT SHORT DRILL BIT	OFE1150044 OFE1150018	OFE1150044 OFE1150018	OFE1150044 OFE1150018	OFE1150044 OFE1150018	OFE0850032 OFE0850016	OFE0850032 OFE0850016
SETTING TOOL	PMTC6 / PMA10					
A4-80 STAINLESS STEEL HARDWARE	81920 					
MAX. TIGHTENING TORQUE	10 N.m					
DIMENSIONS (mm)	M6 16 C C' 10.5 (6.5±2)* D 4.5 E 4.5 F 11.5 G G' 13 (17±2)*	M6 16 10.5 (6.5±2)* 4.5 4.5 11.5 21 (25±2)*	M6 16 10.5 (6.5±2)* 4.5 4.5 11.5 13 (17±2)*	M6 16 10.5 (6.5±2)* 4.5 4.5 11.5 21 (25±2)*	M6 16 14 (12±1)* 3.5 11 8.5 17 (19±1)*	M6 16 14 (12±1)* 3.5 11 8.5 24 (27±1)*
WEIGHT	14.5 g	16.5 g	14.5 g	16.5 g	15 g	16 g
BUSHING MATERIAL	Tinned copper					
ELECTRICAL CHARACTERISTICS:						
LUG / PLATE - ELECTRICAL RESISTANCE NF F00-363	Steel Stainless steel	25 µΩ 120 µΩ	25 µΩ 120 µΩ	25 µΩ 120 µΩ	25 µΩ 120 µΩ	25 µΩ 75 µΩ
RESISTANCE TO SHORT CIRCUIT	Steel Stainless steel	3 × 15 kA 3 × 10 kA	3 × 15 kA 3 × 10 kA	3 × 15 kA 3 × 10 kA	3 × 15 kA 3 × 10 kA	3 × 10 kA 3 × 10 kA
ELECTRICAL CONTACT SURFACE BETWEEN THE EARTH BOND AND SUPPORT NF F00-363	160 mm²		160 mm²	160 mm²	160 mm²	290 mm²
CORROSION RESISTANCE 500HR SALT-MIST TEST - NF EN 3373	Steel Stainless steel	30 µΩ 150 µΩ	30 µΩ 150 µΩ	30 µΩ 150 µΩ	30 µΩ 150 µΩ	- -
MECHANICAL CHARACTERISTICS:						
PULL-OUT STRENGTH NF F00-363	2 mm 4 mm	400 daN -	400 daN -	400 daN -	400 daN -	500 daN 500 daN
SHEAR STRENGTH	Steel Stainless steel	1.5 mm 4 mm 1.5 mm 4 mm	100 daN 180 daN 130 daN 180 daN	100 daN 180 daN 130 daN 180 daN	100 daN 180 daN 130 daN 180 daN	200 daN 200 daN 200 daN 200 daN
VIBRATION BS EN 61373	1g - 5 to 150 Hz 5H/axis		1g - 5 to 150 Hz 5H/axis	1g - 5 to 150 Hz 5H/axis	1g - 5 to 150 Hz 5H/axis	4g - 10 to 500 Hz 90 min/axis
IMPACT BS EN 61373	5g - 30 ms 3 impacts/axis		5g - 30 ms 3 impacts/axis	5g - 30 ms 3 impacts/axis	5g - 30 ms 3 impacts/axis	300g - 3 ms 3 impacts/axis
WATERTIGHTNESS	Withstands pressures of up to 6 Bar without leakage					
WORKING TEMPERATURE RANGE	-50°C / +80°C					

\* Dimension after crimping

**THREADED MALE EB  
(TEST, PERFORMANCE,  
STANDARDS & DIMENSIONS)**
**► UTILIZATION IN STEEL AND  
STAINLESS-STEEL PLATE**

THREAD DIMENSIONS	M8	M8	M10	M10	M10	M10
PLATE THICKNESS	1.5 - 4 mm	> 4	2 - 4 mm	> 4	> 4	> 4
DRILLING DIAMETER (mm)	15 - 15.2	11.5 / 11.7	19 / 19.2	13.5 / 13.7	13.5 / 13.7	13.5 / 13.7
PACKAGING + VISUAL (20/BOX)						
DUBUIS P/N	81929	81928	80924	80926	81952	80945
ALSTOM P/N	DTR0000247260	DTR000038412	DTR0000000083	DTR0000000084	DTR0000061617	DTR00211632A
BOMBARDIER P/N	NA	NA	3EER100005-783	3EER100005-784	NA	NA
LONG DRILL BIT SHORT DRILL BIT	OFE1500042 OFE1500018	OFE1150044 OFE1150018	OFE1900051 OFE1900022	OFE1350037 OFE1350019	OFE1350037 OFE1350019	OFE1350037 OFE1350019
INSTALLATION TOOL	PMT8 / PMA10		PMT10 / PMA10			
A4-80 STAINLESS STEEL HARDWARE	81922		81921			
MAX. TIGHTENING TORQUE	25 N.m			50 N.m		
DIMENSIONS (mm)	M8  20 12.5 (7±2)* 5.5 4.5 15 16 (21.5±2)*	M8 20 15 (12±1)* 3,5 11 11.5 19 (22±1)*	M10 25 12 (6.5±2)* 5.5 4.5 19 25 (30.5±2)*	M10 25 14 (12±1)* 3.5 11 13.5 28 (30±1)*	M10 25 16 (14±1)* 3.5 13 13.5 28 (30±1)*	M10 25 21.5 (19±1)* 3.5 17 13.5 21 (23.5±1)*
WEIGHT	29 g	26 g	51 g	42 g	45 g	46 g
BUSHING MATERIAL			Tinned copper			Inox
<b>ELECTRICAL CHARACTERISTICS:</b>						
LUG / METAL SHEET - ELECTRICAL RESISTANCE NF F00-363	Steel Stainless steel	20 µΩ 70 µΩ	20 µΩ 70 µΩ	20 µΩ 70 µΩ	20 µΩ 60 µΩ	20 µΩ 60 µΩ
RESISTANCE TO SHORT CIRCUIT	Steel Stainless steel	3 x 15 kA 3 x 10 kA	3 x 20 kA 3 x 15 kA	- 3 x 15 kA	- 3 x 20 kA	- 3 x 20 kA
ELECTRICAL CONTACT SURFACE BETWEEN THE EARTH BOND AND SUPPORT NF F00-363		210 mm²	400 mm²	270 mm²	465 mm²	550 mm²
CORROSION RESISTANCE 500HR SALT-MIST TEST - NF EN 3373	Steel Stainless steel	- -	- -	25 µΩ 90 µΩ	- -	- -
<b>MECHANICAL CHARACTERISTICS:</b>						
PULL-OUT STRENGTH NF F00-363	2 mm 4 mm	300 daN -	- 600 daN	500 daN -	- 800 daN	- -
SHEAR STRENGTH	Steel 2 mm Stainless steel 4 mm 2 mm 4 mm	- - - -	- - - -	190 daN 340 daN 250 daN 340 daN	- 600 daN -	- -
VIBRATION BS EN 61373	-	-	-	4g - 10 to 500 Hz 90 min/axis	4g - 10 to 500 Hz 90 min/axis	- -
IMPACT BS EN 61373	-	-	-	300g - 3 ms 3 impacts/axis	300g - 3 ms 3 impacts/axis	- -
WATERTIGHTNESS				Withstands pressures of up to 6 Bar without leakage		
WORKING TEMPERATURE RANGE				-50°C / +80°C		

\* Dimension after crimping

## THREADED MALE EB (TEST, PERFORMANCE, STANDARDS & DIMENSIONS)

### ► UTILIZATION IN ALUMINUM PLATE

THREAD DIMENSIONS	M6	M6	M6	M6	M6	M6
PLATE THICKNESS	1.5 - 4 mm	1.5 - 4 mm	1.5 - 4 mm	1.5 - 4 mm	> 4	> 4
DRILLING DIAMETER (mm)	11.5 / 11.7	11.5 / 11.7	11.5 / 11.7	11.5 / 11.7	10.5 / 10.7	10.5 / 10.7
PACKAGING + VISUAL (20/BOX)						
DUBUIS P/N	80976	80958	77906	77904	80977	80960
ALSTOM P/N	DTR0000127255	DTR0000000074	DTR0000127255	DTR0000000074	DTR0000133695	DTR0000001263
BOMBARDIER P/N	3EER4000057272	3EER30001-0318	NA	NA	3EER40005-4645	3EGK202252
LONG DRILL BIT SHORT DRILL BIT	OFE1150044 OFE1150018	OFE1150044 OFE1150018	OFE1150044 OFE1150018	OFE1150044 OFE1150018	OFE1050041 OFE1050020	OFE1050041 OFE1050020
INSTALLATION TOOL	PMTC6 / PMA10					
A4-80 STAINLESS STEEL HARDWARE	 81920					
MAX. TIGHTENING TORQUE	10 N.m					
DIMENSIONS (mm)	M6 16 C C' 10.5 (6.5±2)* D 4.5 E 4.5 F 11.5 G G' 13 (17±2)*	M6 16 C C' 10.5 (6.5±2)* D 4.5 E 4.5 F 11.5 G G' 21 (25±2)*	M6 16 C C' 10.5 (6.5±2)* D 4.5 E 4.5 F 11.5 G G' 13 (17±2)*	M6 16 C C' 10.5 (6.5±2)* D 4.5 E 4.5 F 11.5 G G' 21 (25±2)*	M6 16 C C' 14.5 (12±1)* D 3.5 E 11 F 10.5 G G' 16 (18.5±1)*	M6 16 C C' 14.5 (12±1)* D 3.5 E 11 F 10.5 G G' 24 (26.5±1)*
WEIGHT	10 gr	12 g	10 g	12 g	13 g	15 g
BUSHING MATERIAL	Nickel-plated aluminum					
ELECTRICAL CHARACTERISTICS:						
LUG / PLATE - ELECTRICAL RESISTANCE NF F00-363	60 µΩ	60 µΩ	60 µΩ	60 µΩ	60 µΩ	60 µΩ
RESISTANCE TO SHORT CIRCUIT	3 x 10 kA	3 x 10 kA	3 x 10 kA	3 x 10 kA	3 x 10 kA	3 x 10 kA
ELECTRICAL CONTACT SURFACE BETWEEN THE EARTH BOND AND SUPPORT NF F00-363	160 mm²	160 mm²	160 mm²	160 mm²	360 mm²	360 mm²
CORROSION RESISTANCE 500HR SALT-MIST TEST - NF EN 3373	90 µΩ	90 µΩ	90 µΩ	90 µΩ	-	-
MECHANICAL CHARACTERISTICS:						
PULL-OUT STRENGTH NF F00-363	2 mm 4 mm -	250 daN - -	250 daN - -	250 daN - -	- 300 daN -	300 daN
SHEAR STRENGTH	1.5 mm 2 mm 4 mm	35 daN - 200 daN	35 daN - 200 daN	35 daN - 200 daN	35 daN - 200 daN	- - 210 daN
VIBRATION BS EN 61373	1 g - 5 to 150 Hz 5 H/axis	1 g - 5 to 150 Hz 5 H/axis	1 g - 5 to 150 Hz 5 H/axis	1 g - 5 to 150 Hz 5 H/axis	-	4 g - 10 to 500 Hz 90 min/axis
IMPACT BS EN 61373	5 g - 30 ms 3 impacts/axis	5 g - 30 ms 3 impacts/axis	5 g - 30 ms 3 impacts/axis	5 g - 30 ms 3 impacts/axis	-	300 g - 3 ms 3 impacts/axis
WATERTIGHTNESS	Withstands pressures of up to 6 Bar without leakage					
WORKING TEMPERATURE RANGE	-50°C / +80°C					

\* Dimension after crimping

## THREADED MALE EB (TEST, PERFORMANCE, STANDARDS & DIMENSIONS)

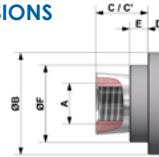
### ► UTILIZATION IN ALUMINUM PLATE

THREAD DIMENSIONS	M8	M8	M10	M10	
PLATE THICKNESS	1.5 - 4 mm	> 4	2 - 4	> 4	
DRILLING DIAMETER (mm)	15 / 15.2	13.5 / 13.7	19 / 19.2	15 / 15.2	
PACKAGING + VISUAL (20/BOX)					
DUBUIS P/N	81931	81930	80959	80961	
ALSTOM P/N	DTR0000190302	DTR0000314231	DTR0000001262	DTR0000000079	
BOMBARDIER P/N	33GH000025-3623	NA	3EGH000038-6908 3EER400005-4647	3EER300001-0322	
LONG DRILL BIT SHORT DRILL BIT	OFE1500042 OFE1500018	OFE1350037 OFE1350019	OFE1900051 OFE1900022	OFE1500042 OFE1500018	
INSTALLATION TOOL	PMT8 / PMA10		PMT10 / PMA10		
A4-80 STAINLESS STEEL HARDWARE	81922		81921		
MAX. TIGHTENING TORQUE	25 N.m		50 N.m		
DIMENSIONS (mm)		M8	M8	M10	M10
A	20	20	25	25	
B	12.5 ( $7\pm2$ ) <sup>*</sup>	15 ( $12\pm1$ ) <sup>*</sup>	12 ( $6.5\pm2$ ) <sup>*</sup>	15.5 ( $12\pm1$ ) <sup>*</sup>	
C C'					
D	4.5	3.5	5.5	3.5	
E	4.5	11	4.5	11	
F	15	13.5	19	15	
G G'	16 ( $21.5\pm2$ ) <sup>*</sup>	19 ( $22\pm1$ ) <sup>*</sup>	24.5 ( $30\pm2$ ) <sup>*</sup>	27.5 ( $31\pm1$ ) <sup>*</sup>	
WEIGHT	19 g	22 g	34 g	36 g	
BUSHING MATERIAL	Nickel-plated aluminum				
<b>ELECTRICAL CHARACTERISTICS:</b>					
LUG / PLATE - ELECTRICAL RESISTANCE NF F00-363	20 $\mu\Omega$	20 $\mu\Omega$	20 $\mu\Omega$	20 $\mu\Omega$	
RESISTANCE TO SHORT CIRCUIT	3 x 15 kA	3 x 20 kA	3 x 20 kA	3 x 20 kA	
ELECTRICAL CONTACT SURFACE BETWEEN THE EARTH BOND AND SUPPORT NF F00-363	210 mm <sup>2</sup>	465 mm <sup>2</sup>	270 mm <sup>2</sup>	520 mm <sup>2</sup>	
CORROSION RESISTANCE 500HR SALT-MIST TEST - NF EN 3373	-	-	50 $\mu\Omega$	-	
<b>MECHANICAL CHARACTERISTICS:</b>					
PULL-OUT STRENGTH NF F00-363	2 mm 4 mm	100 daN -	- 400 daN	200 daN -	- 500 daN
SHEAR STRENGTH	1.5 mm 2 mm 4 mm	- - -	- - -	- 105 daN 310 daN	- - 490 daN
VIBRATION BS EN 61373	-	-	-	4 g - 10 to 500 Hz 90 min/axis	4 g - 10 to 500 Hz 90 min/axis
IMPACT BS EN 61373	-	-	-	300 g - 30 ms 3 impacts/axis	300 g - 3 ms 3 impacts/axis
WATERTIGHTNESS	Withstands pressures of up to 6 Bar without leakage				
WORKING TEMPERATURE RANGE	-50°C / +80°C				

\* Dimension after crimping

## THREADED MALE EB (TEST, PERFORMANCE, STANDARDS & DIMENSIONS)

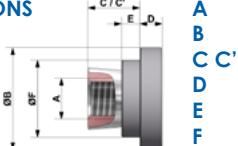
### ► UTILIZATION IN STEEL AND STAINLESS-STEEL PLATE

THREAD DIMENSIONS	M6	M6	M8	M8	M10	
PLATE THICKNESS	> 4	1.5 - 4 mm	> 4	1.5 - 4 mm	2 - 4	
DRILLING DIAMETER (mm)	11.5 / 11.7	11.5 / 11.7	13.5 / 13.7	15 / 15.2	19 / 19.2	
PACKAGING + VISUAL (20/BOX)						
DUBUIS P/N	77902	81963	77945	81965	81967	
ALSTOM P/N	NA	DTR0000209903	NA	NA	DTR0000361647	
LONG DRILL BIT SHORT DRILL BIT	OFE1150044 OFE1150018	OFE1150044 OFE1150018	OFE1350037 OFE1350019	OFE1500042 OFE1500018	OFE1900051 OFE1900022	
INSTALLATION TOOL	PMTC6 / PMA10		PMT8 / PMA10		PMT10 / PMA10	
A4-80 STAINLESS STEEL HARDWARE	78913		78914		78915	
MAX. TIGHTENING TORQUE	8 N.m		16 N.m		25 N.m	
DIMENSIONS (mm)		A M6 16 16 (12.5±1)* 4.5 11 11.5	B M6 16 10.5 (6.5±2)* 4.5 4.5 11.5	C M8 25 14.5 (10.5±1)* 3.5 7 13.5	D M8 20 12.5 (6.5±2)* 5.5 4.5 15	E M10 25 13 (6.5±2)* 5.5 4.5 19
WEIGHT	15 g	10 g	20 g	17 g	28 g	
BUSHING MATERIAL			Tinned copper			
ELECTRICAL CHARACTERISTICS:						
LUG / PLATE - ELECTRICAL RESISTANCE NF F00-363	Steel Stainless steel	25 µΩ 120 µΩ	25 µΩ 120 µΩ	20 µΩ 70 µΩ	20 µΩ 70 µΩ	
RESISTANCE TO SHORT CIRCUIT	Steel Stainless steel	- -	3 × 15 kA 3 × 10 kA	- -	3 × 15 kA 3 × 10 kA	
ELECTRICAL CONTACT SURFACE BETWEEN THE EARTH BOND AND SUPPORT NF F00-363		400 mm²	160 mm²	300 mm²	210 mm²	
CORROSION RESISTANCE 500HR SALT-MIST TEST - NF EN 3373	Steel Stainless steel	- -	30 µΩ 150 µΩ	- -	25 µΩ 900 µΩ	
MECHANICAL CHARACTERISTICS:						
PULL-OUT STRENGTH NF F00-363	2 mm 4 mm	- -	400 daN 600 daN	- -	300 daN 700 daN	
WORKING TEMPERATURE RANGE				-50°C / +80°C		

\* Dimension after crimping

## THREADED FEMALE EB (TEST, PERFORMANCE, STANDARDS & DIMENSIONS)

### ► UTILIZATION IN ALUMINUM PLATE

THREAD DIMENSIONS	M6	M8	M8	M10	
<b>PLATE THICKNESS</b>	1.5 - 4 mm	1.5 - 4 mm	> 4	2 - 4	
<b>DRILLING DIAMETER (mm)</b>	11.5 / 11.7	15 / 15.2	13.5 / 13.7	19 / 19.2	
<b>PACKAGING + VISUAL (20/BOX)</b>					
<b>DUBUIS P/N</b>	81964	81966	77946	81968	
<b>ALSTOM P/N</b>	DTR0000125537	DTR0000275700	NA	DTR0000125310	
<b>BOMBARDIER P/N</b>	NA	NA	NA	3EER4000010-4201	
<b>LONG DRILL BIT</b> <b>SHORT DRILL BIT</b>	OFE1150044 OFE1150018	OFE1500042 OFE1500018	OFE1350037 OFE1350019	OFE1900051 OFE1900022	
<b>INSTALLATION TOOL</b>	PMTC6 / PMA10	PMT8 / PMA10	PMT10 / PMA10		
<b>A4-80 STAINLESS STEEL HARDWARE</b>	78913	78914	78915		
<b>MAX. TIGHTENING TORQUE</b>	10 N.m	20 N.m	25 N.m	30 N.m	
<b>DIMENSIONS (mm)</b>		M6 16 10.5 (6.5±2)* 4.5 4.5 11.5	M8 20 12.5 (6.5±2)* 5.5 4.5 15	M8 20 11 (8±1)* 3.5 7 13.5	M10 25 13 (6.5±2)* 5.5 4.5 19
<b>WEIGHT</b>	6 g	9 g	8 g	14 g	
<b>BUSHING MATERIAL</b>	Nickel-plated aluminum				
<b>ELECTRICAL CHARACTERISTICS:</b>					
<b>LUG / PLATE - ELECTRICAL RESISTANCE NF F00-363</b>	60 µΩ	20 µΩ	40 µΩ	20 µΩ	
<b>RESISTANCE TO SHORT CIRCUIT</b>	3 × 10 kA	3 × 15 kA	-	3 × 20 kA	
<b>ELECTRICAL CONTACT SURFACE BETWEEN THE EARTH BOND AND SUPPORT NF F00-363</b>	160 mm <sup>2</sup>	210 mm <sup>2</sup>	300 mm <sup>2</sup>	270 mm <sup>2</sup>	
<b>CORROSION RESISTANCE 500HR SALT-MIST TEST - NF EN 3373</b>	90 µΩ	-	-	-	
<b>MECHANICAL CHARACTERISTICS:</b>					
<b>PULL-OUT STRENGTH NF F00-363</b>	250 daN 450 daN	200 daN 550 daN	-	300 daN 650 daN	
<b>WORKING TEMPERATURE RANGE</b>	-50°C / +80°C				

\* Dimension after crimping



# CATERNARY MAINTENANCE- TOOLING

Dubuis offers a wide range of tools for maintenance in the catenary environment during various operations.



# SIGNALING AND TRACTION RETURN CURRENT

Through the advantages procured by its earth bonds, Dubuis has provided solutions for reliable connections, resulting in improved traffic regularity on all rail networks equipped with this concept.

## Key products:

Electrical connection to the rail by earth bond:  
 Ø 8 mm M6 to Ø 22 mm M16 & PHxLN setting tools  
 Rail drilling machines & accessories



# SIGNALING & CATENARY MAINTENANCE

MALE EB & INSTALLATION TOOLS		RAILWAY EARTH BOND	page 190		PHxIN	page 195
RAIL DRILL		DP4CC	page 196		DP4TH	page 197
TOOLS		DRILL BITS & MILLING CUTTER	page 198		TJ12	page 199
		BRE020	page 200		BDL041	page 201
RAIL ACCESSORIES		PAS (WELDING PLATE)	page 202		PRCC (CONNECTION PART)	page 203
		MPR (RAIL FOOT CLAMP)	page 204		MPRG	page 205
CATENARY		TPU2 (POLE HEAD)	page 206		PITM (INSULATED POLE)	page 207
		TPU-TRAM POLE HEAD	page 208		PIM-TRAM	page 209
		PEC1000	page 210		CONE AND BAYONET	page 211
		PEP (TEMPORARY DROPPER)	page 212		FCCI (CANTILEVER UNIT)	page 213
		VHIS1500 (INSULATOR INSTALLATION AND REMOVING TOOL)	page 214		VHIS25000	page 215
		BETP (DROPPER TRACTION BENCH)	page 216			

## WHY USE DUBUIS RAIL BONDS?



With its "blind" setting concept, all operations (drilling, setting and tightening) are carried out on the same side of the rail. Therefore, the connection can be made in almost every case: blind hole, double connection, side rail, expansion device, etc.

The permanent and high mechanical stresses on the electrical contact areas allow the rail earth bond to be set regardless of the climatic conditions

The traction force during setting causes the bushing to expand radially, resulting in a perfect contact between the dowel / bushing / rail

This contact remains permanent through taper wedging and hence, contributes to connection reliability over time.

As parts are pre-assembled in factory, it is impossible to transpose or omit them during fitting, thereby ensuring that they are fitted correctly.

Therefore, as fitting is simple, it can be easily automated, which means that workshops can be kitted out with Point Crossing type Glued Insulated Block Joints, Expansion joints, Switches, etc.

## RAIL BOND PRINCIPLE

The rail bond connection system developed by Dubuis enables a mechanical and electrical connection to be made between a cable and the rail.

This concept meets the ever-stricter requirements of railway networks: **reliability, result independent from the operator, preserved rail soundness.**

The **Dubuis** earth bond consists of 2 parts pre-assembled in the factory:

- a stainless-steel dowel,
- a tinned copper bushing.

This bushing forms the expandable part of the earth bond.

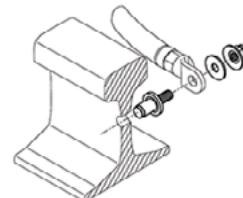
The earth bond is fitted with a hydraulic tool that, while holding the bushing in place in the rail, **expands** it by **calibrated traction on the dowel**.

The rail bond fitting function: threaded dowel and nut made completely from stainless-steel, with anti-seizing protection on the nut. It remains possible to disassemble the connection over time. The electrical function is provided by a tin-plated copper bushing, the malleability and conductivity of which provide an optimum electrical connection between the lug and the rail.

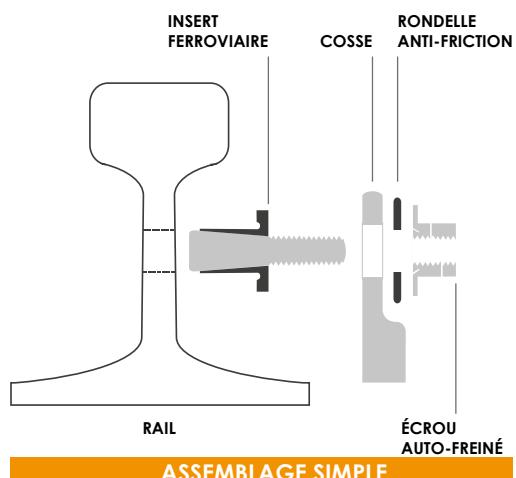
Installation is possible without interrupting traffic, using the different types of rail bond setting tools.

During rail earth bond setting, neither the rail or the rail earth bond are subjected to any impacts.

Through the advantages procured by its rail earth bonds, Dubuis has provided solutions for the connection reliability, so that the regularity of traffic on all rail networks equipped with this concept is considerably improved.

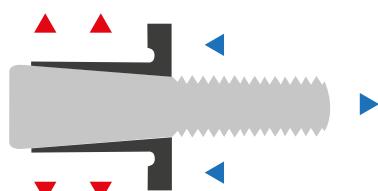


### EASY TO ASSEMBLE



### ASSEMBLAGE SIMPLE

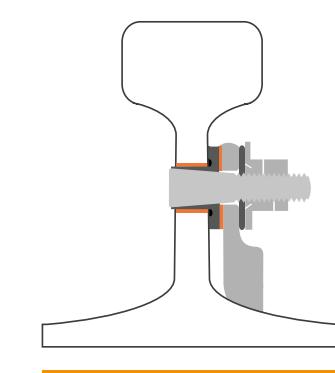
### TENSILE STRESS



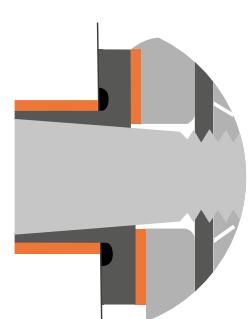
- ▶ CALIBRATED TRACTION ON THE DOWEL
- ▲ THE BUSHING EXPANDS

### USEFUL ELECTRICAL CONTACT AREAS

■ CONTACT & ELECTRICAL EXCHANGE SURFACES



ZONES DE CONTACT UTILES



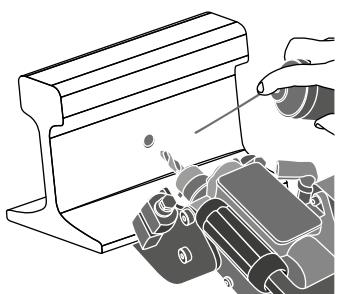
[www.dubuis.com](http://www.dubuis.com)

## SETTING

► QUICK & SIMPLE:  
IN ONLY 3 MINUTES

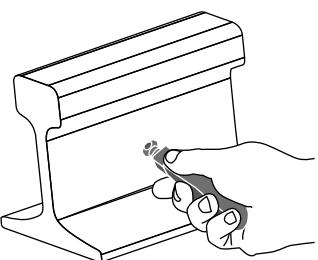
The rail is drilled

1



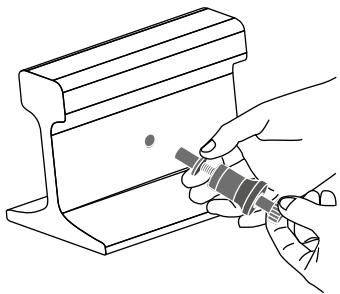
The hole is chamfered and cleaned

2



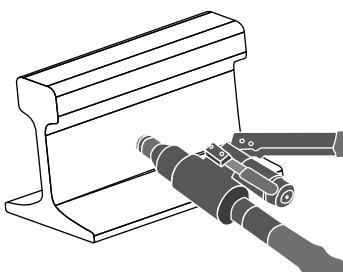
The earth bond is installed

3



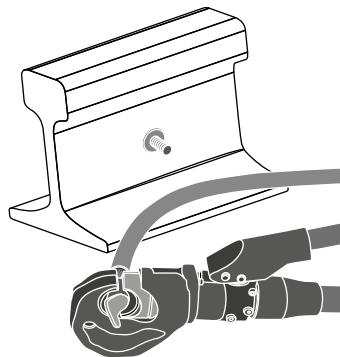
The earth bond is installed using the calibrated tool

4



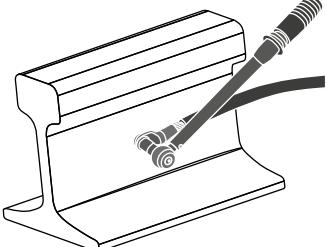
The lug is crimped

5



The nut is tightened using the torque wrench

6



## RAIL BOND

### ► ELECTRICAL CONNECTION TO THE RAIL



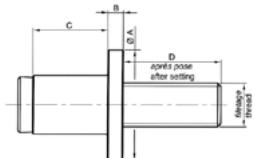
THREAD DIMENSION	M6	M6	M10	M10	M10
DRILLING DIAMETER (mm)	Ø 8 > 8.2	Ø 8.5 > 8.7	Ø 13.5 > 13.7	Ø 13.5 > 13.7	Ø 13.5 > 13.7
RAIL WEB THICKNESS	17 mm max.	17 mm max.	17 mm max.	17 mm max.	15 mm min.
PACKAGING					
M6 BOX OF 20 EARTH BONDS + HARDWARE					
M10 BOX OF 10 EARTH BONDS + HARDWARE					
EARTH BOND P/N	30996	30989	77911	81974	80913
APPROVAL			SNCF: 7.952.0882	SNCF: 7.952.1513	SNCF: 7.952.0900
BUSHING MATERIAL	Tin-plated copper	Tin-plated copper	Tin-plated copper	Tin-plated copper	Tin-plated copper
BUSHING LENGTH	17 mm	17 mm	17 mm	15.5 mm	6.5 mm
HARDWARE					
CONTACT SURFACE	427 mm <sup>2</sup>	453 mm <sup>2</sup>	721 mm <sup>2</sup>	640 mm <sup>2</sup>	275 mm <sup>2</sup>
REAMER DRILL ADAPTER	30776	80312 86070	86225 86859	86225 86859	86225 86859
SETTING TOOL	PH1IN	PH1IN	PH3IN	PH3IN	PH3IN
TORQUE WRENCH + SOCKET	80997 +OFACR10	80997 +OFACR10	80967 +OFACS16H	80967 +OFACS16H	80967 +OFACS16H
TIGHTENING TORQUE	10 Nm	10 Nm	40 Nm	40 Nm	40 Nm
DIMENSIONS (MM)	Ø A B C D	25 3.5 17 23	25 3.5 15.5 23	25 3.5 6.5 23	25 3.5 6.5 23
WEIGHT		51 gr	46 gr	35 gr	
ELECTRICAL CHARACTERISTICS	TOTAL ELECTRICAL RESISTANCE	12 µΩ	12 µΩ	12 µΩ	
	ELECTRICAL RESISTANCE OF THE EARTH BOND-RAIL CONTACT	4 µΩ	5 µΩ	6 µΩ	
ELECTRICAL TESTS	ABILITY TO WITHSTAND HEATING	Current between 1000 & 1500 A for 50 minutes (train passing 10 times).			
	SHORT-CIRCUIT WITHSTAND STRENGTH	3 short-circuit tests at 7000 A 0.2s			
	CORROSION RESISTANCE	300 hours in salt mist (NFX41002)			
OTHER TESTS	ABILITY TO WITHSTAND VIBRATION	Acceleration from 7 to 16 g along 3 axes, 8 hours per axis.			
	RESISTANCE TO THERMAL SHOCK	-30°C / +70°C			
	RESISTANCE TO PRESSURE (colored water)	No leakage before: 250 Bar.			
APPLICATION EXAMPLE		TCR Signaling	AD connection	Double connection	

## RAIL BOND

### ► ELECTRICAL CONNECTION TO THE RAIL



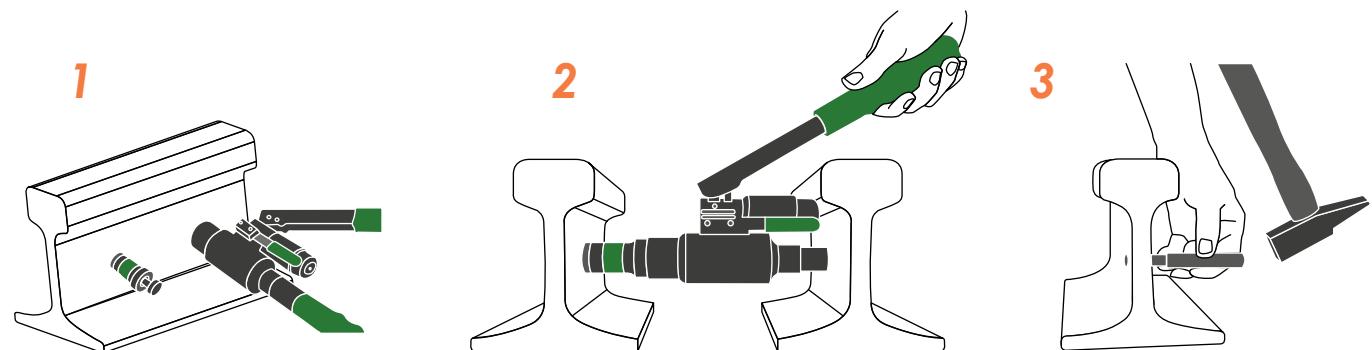
THREAD	M12	M12D	M12	M16																				
DRILLING DIAMETER (mm)	Ø 19 > 19.2	Ø 19 > 19.2	Ø 22 > 22.2	Ø 22 > 22.2																				
RAIL WEB THICKNESS	17 mm max.	16 – 18 mm	22 mm max.	22 mm max.																				
PACKAGING BOX OF 10 EARTH BONDS + HARDWARE																								
EARTH BOND P/N	80917 77918	77928	30987	30986																				
APPROVAL			RAILTRACK	RAILTRACK																				
BUSHING MATERIAL	Tin-plated copper	Tin-plated copper	Tin-plated copper	Tin-plated copper																				
BUSHING LENGTH	17 mm	15.5 mm	22 mm	22 mm																				
HARDWARE																								
CONTACT SURFACE	1014 mm <sup>2</sup>	925 mm <sup>2</sup>	1451 mm <sup>2</sup>	1451 mm <sup>2</sup>																				
ADAPTER BORING DRILL BIT	80396 80373	80396 80373	80365 80373	80365 80373																				
INSTALLATION TOOL	PH4IN	PH4IN + draw stud 78410	PH4IN	PH6IN																				
TORQUE WRENCH + SOCKET	80967 +OFACS18H	80967 +OFACS18H	80967 +OFACS18H	80968 +OFACS24H																				
TIGHTENING TORQUE	80 Nm	80 Nm	80 Nm	150 Nm																				
DIMENSIONS (MM)	<table border="0"> <tr> <td>Ø A</td> <td>30</td> <td>30</td> <td>30</td> <td>35</td> </tr> <tr> <td>B</td> <td>5</td> <td>4</td> <td>5</td> <td>5</td> </tr> <tr> <td>C</td> <td>17.5</td> <td>15.5</td> <td>22</td> <td>22</td> </tr> <tr> <td>(in rail thickness 16.5 mm) D</td> <td>24</td> <td>24</td> <td>31</td> <td>37</td> </tr> </table>	Ø A	30	30	30	35	B	5	4	5	5	C	17.5	15.5	22	22	(in rail thickness 16.5 mm) D	24	24	31	37			
Ø A	30	30	30	35																				
B	5	4	5	5																				
C	17.5	15.5	22	22																				
(in rail thickness 16.5 mm) D	24	24	31	37																				
WEIGHT	93 gr	190 gr	122 gr	165 gr																				
ELECTRICAL CHARACTERISTICS																								
TOTAL ELECTRICAL RESISTANCE	15 µΩ	15 µΩ	10 µΩ	10 µΩ																				
ELECTRICAL RESISTANCE OF THE EARTH BOND – RAIL CONTACT	5 µΩ	5 µΩ	3 µΩ	3 µΩ																				
ELECTRICAL TESTS																								
ABILITY TO WITHSTAND HEATING	1h00 at 250 A + 2h30 at 500 A + 1h30 at 2000 A.		1000 cycles of 5 minutes at 2800 A. Constant current 8 hours at 1000 A																					
SHORT-CIRCUIT WITHSTAND STRENGTH			3 short-circuit tests at 34 000 A 1 s																					
OTHER TESTS																								
RESISTANCE TO THERMAL SHOCK			-30°C / +70°C																					
APPLICATION EXAMPLE	Tramway																							



## BOND SETTING TOOLS

Rail bonds are set in place using a specific hydraulic tool that is used to fix the bond in the rail by expanding the bushing.

- Tool consisting of a calibrated manual hydraulic base and a pulling unit suited to the thread of the bond to be set.
- The tool and its pulling unit are identified by the same color code. There is a color for each setting force and the size of the bond to be set.
- Easy to use. Automatic release with an audible "click" when the set force is reached.
- Visual indication of the piston advance during crimping.
- Removable handle, enabling a rail bond to be set in a confined space (for example, junction crossing).
- A bushing remover (supplied with the tool) can be used to remove the rail bond if it has been damaged by an external aggression.



The pulling unit is screwed onto the rail bond and is positioned in the hole in the rail.

Pulling unit



The nose of the tool is placed over the knurled part of the pulling unit. The tool is pushed towards the rail and the pumping handle is actuated until it releases automatically. The piston is returned using the release trigger.



If the rail bond must be removed, the dowel will be removed using a mallet and the bushing will be removed using the bushing remover.

Bushing remover



# PHxIN

## ► HYDRAULIC SETTING TOOLS FOR RAIL BONDS

A setting tool for each type of rail bond.

All PHxIN tools are supplied in a case, with a pulling unit and a bushing remover.

### PH1IN

FORCE	STROKE	NOSE THREAD	DIMENSIONS (mm)
10 kN	7 mm	M6	350 x 115 x 50



### PH3IN

FORCE	STROKE	NOSE THREAD	DIMENSIONS (mm)
27 kN	7 mm	M10	350 x 115 x 50



SNCF SYMBOL N°: 0.391.7650

### PH4IN

FORCE	STROKE	NOSE THREAD	DIMENSIONS (mm)
37 kN	7 mm	M12	350 x 115 x 50



### PH6IN

FORCE	STROKE	NOSE THREAD	DIMENSIONS (mm)
60 kN	7 mm	M16	350 x 115 x 50



### XPH3IN - XPH4IN

Available in version with head to be connected to a 700-Bar hydraulic source, to set M10 and M12 rail bonds.



#### AS AN OPTION:

Pulling unit and bushing remover also available separately.



#### CASE

DIMENSIONS (mm)	WEIGHT	CAPACITY
515 x 235 x 75	6 kg	Case included in the tool part number. Location for 1 tool + 1 pulling unit + 1 bushing remover + 1 box of rail bonds (not supplied).

# DP4CC



Tutoriel perçage Rail avec la DP4CC


<https://sbd.deephaw.ai/p/mIx4rNt1ZkSthej1Rp9>

## BRUSHLESS MOTOR RAIL DRILLING MACHINE 2X54 V BATTERY-OPERATED

54 V  
9 Ah

### GAUGE CLEARANCE

with hook P/N 86806

### PROTECTED FROM THE ELEMENTS

Designed for working in the rain with easy battery change

### ERGONOMIC

Balanced carrying handle. Powerful LED lighting of the work area

### ROBUST LIGHT PLASTIC HOUSING

Suitable for working in the field

### ELECTRONIC & MECHANICAL PROTECTION

To protect against overload and overheating

### HANGING, SPRAYING AND DRILLING ACCESSORY

Please contact us

### 18 V/54 V LI-ION 9/3 AH BATTERY

**WEIGHT** 1.46 kg**P/N** DCB547

### FLANK SET (fastening under the rail)

- > 95837: for rail 60E1-UIC60
- > 95839: for rail 50E6-U50-U36
- > 95840: for rail 46E2-U33



### KIT FOR FASTENING TO RAIL

- > 86836-01



### RAIL SHOES (fastening on the rail)

- > 86122: rail UIC60
- > 86123: rail U36/50
- > 86152: rail U33
- > 86149: rail UIC54
- > 86227: rail U69
- > 86228: rail DC-PO42
- > 86229: rail DC-OUEST 44
- > 86226: rail PLM48LP/EST45



**SNCF APPROVAL**  
**DP4CC1SA/DP4CC11A:**  
**No 21272**



### DRILLING CAPACITY

Ø7.1 to 38 mm with drill bit or annular cutter with central coolant supply. See **PAGE 198**.

**REDUCTION GEARBOX OIL** (capacity) 0.25L

**SPEED OF ROTATION** 410 rpm

**BATTERY LIFE** (Ø23 mm drilling) 27 drilling operations

**DIMENSIONS** (L x w x h in mm) 580 x 400 x 230

**WEIGHT** (in operation) 19.300 kg

**PROTECTION LEVEL** (as per NF) IP43

**POWERFUL MOTOR** 2300 W

**SPINDLE TYPE** WELDON Ø19

**ACOUSTIC POWER LEVEL** (LwA) 97 dB(A)

**THE EFFECTIVE WEIGHTED ACCELERATION** <1.25m/s<sup>2</sup>

### QUIETER THAN THE DP3AC VERSION

Accepts flexvolt 54 V dewalt 6, 9 and 12 Ah batteries

**DIMENSIONS** (mm) 910 x 518 x 431

**WEIGHT** (empty case) 13 kg

**P/N** 95813

> Case, battery and charger supplied with the tool.

> Watertight, 113L, built-in lock, all-terrain wheels



### 20 V DOUBLE CHARGER

**WEIGHT** 1.2 kg

**P/N** DCB132



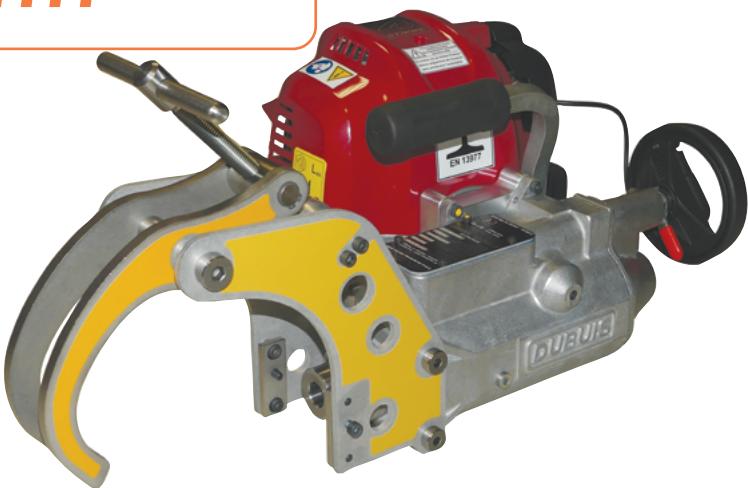
### CHAMFERING TOOL

> A chamfer of approximately 0.5 mm is made on each side of the hole to remove sharp edges and defects on the outside of the hole caused by drilling.



# DP4TH

**SNCF APPROVAL:**  
No 21273



## ICE ENGINE RAIL DRILLING MACHINE HONDA 50CC STAGE V

> P/N 86911



### GAUGE ENGAGEMENT



### PROTECTED FROM THE ELEMENTS

Designed for working in the rain with easy battery change



### ERGONOMIC

Balanced carrying handle



### ROBUST LIGHT PLASTIC HOUSING

Suitable for working in the field



### HANGING, SPRAYING AND DRILLING ACCESSORY

Please contact us

### PRESSURE SPRAYER

> 86800



### BIODEGRADABLE CUTTING OIL (5L)

> 86801-01: straight oil



### SPRAY CAN, BIODEGRADABLE OIL

> 93729



### SPRAY KIT

> 94895 (included)



### RAIL SHOES (fastening on the rail)

- > 86122: rail UIC60
- > 86123: rail U36/50
- > 86152: rail U33
- > 86149: rail UIC54
- > 86227: rail U69
- > 86228: rail DC-PO42
- > 86229: rail DC-OUEST 44
- > 86226: rail PLM48LP/EST45



### DRILLING CAPACITY

Ø7.1 to 38 mm with drill bit or annular cutter with central coolant supply. See PAGE 198.

ENGINE OIL (0.13L)	SAE10W30 API-SJ
REDUCTION GEARBOX OIL (0.25L)	75W80
SPEED OF ROTATION	440 rpm
FUEL TANK AUTONOMY (Ø13,5 mm drilling)	50 drilling operations
DIMENSIONS (L x w x h in mm)	580 x 400 x 230
WEIGHT (in operation)	20 kg
FUEL(0.63L)	SP95,98,E5, E10
POWERFUL MOTOR	2HP, 50cc
SPINDLE TYPE	WELDON Ø19
ACOUSTIC POWER LEVEL (LwA)	111 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<4.15m/s <sup>2</sup>

### HIGHER PERFORMANCE THAN THE DP3TH VERSIONS

(50% time-saving for Ø36 mm)

Meets the latest Stage V anti-pollution standards.



**DIMENSIONS (mm)** 910 x 518 x 431

**WEIGHT** (empty case) 13 kg

**P/N** 95813

> Watertight, 113L, built-in lock,  
all-terrain wheels

### POSITIONING ROD

(longitudinal for splicing holes)

- > 86871: splicing rod UIC60-U36-U50
- > 86874: splicing rod U33-39-55
- > 86875: splicing rod EST46
- > 86876: splicing rod PLM 48 LP



# DRILL BITS & MILLING CUTTERS

## ► DRILLING TOOLS

**Drilling a hole intended for a rail bond is an essential step to produce a high-quality rail connection while conserving rail strength.**

For this reason, DUBUIS has chosen a drilling/reaming concept. Drilling with a reamer drill or a milling cutter is carried out in one operation: The 1<sup>st</sup> part of the tool drills the rail, the 2<sup>nd</sup> part reams the hole.

This technique guarantees an optimal surface finish and geometry, which cannot be obtained by drilling with a standard drill or annular cutter. To provide the best drilling quality, DUBUIS has chosen this method, in compliance with international standards on rail drilling.

### DRILLING FOR ELECTRICAL CONNECTIONS

#### ONE-PIECE REAMER DRILL

The 1<sup>st</sup> part of the tool drills the rail, the 2<sup>nd</sup> part of the tool reams the hole. This technique provides the right surface finish, geometry and dimensions of the hole. These parameters, which are essential to conserve rail strength, are accurately controlled. Weldon drill shank Ø 19 mm.



Ø 8      Ø 13.5      Ø 19      Ø 22

30776    80164\*    80165    80166

91287

#### REAMER DRILL + ADAPTER RING

The drilling + reaming techniques are identical to those above. The drill shank is round. The adapter ring is used to adapt the drill bit to fit into the spindle of the drilling machine.



#### REAMER DRILL

Ø 7.1      Ø 8.5      Ø 13.5

30712\*    80312    86225

#### ADAPTER RING

86868    86070    86859

#### ANNULAR CUTTER REAMER + EJECTOR

The drilling + reaming techniques are identical to those above. The reamer annular cutter requires less energy than the reamer drill, and has a longer lifetime.



#### REAMER ANNULAR CUTTER

Ø 19      Ø 22

80396    80365

#### ANNULAR CUTTER EJECTOR

80373    80373

### DRILLING FOR FISH-PLATING

#### ANNULAR CUTTER

Ideal for drilling holes for fish-plating. The ejector is especially adapted to all our annular cutters. Maximum drilling thickness 25 mm. For thicknesses exceeding 25 mm, or other diameters, please contact us.



#### DIAMETER

#### P/N

Annular Cutter Ejector	93587
Ø 19	95245
Ø 20	95302
Ø 21	95303
Ø 22	95246
Ø 23	93586*
Ø 24	95247
Ø 25	93585*
Ø 26	95304
Ø 27	95305
Ø 27.5	95248
Ø 28	95306
Ø 30	95249
Ø 33	95250
Ø 36	95251

\* Part numbers approved by the SNCF

# TJ12

## ► HYDRAULIC RAIL TRACK JACK

### SNCF APPROVAL: No DEO 19094

The TJ12 hydraulic jack is used to lift the rail during track maintenance operations. Perfect for manual rail stuffing, it is also the ideal lifting tool when connecting expansion joints.

- Stable and functional, it is equipped with a wide base for better support on the ballast.
- Ergonomic carrying handle.
- Hermetic tank, allowing work to be carried out in all positions: no inclination restriction.
- A pressure control calibrated at 9 t to guarantee operating safety in case of overload.
- Precise control of the load lowering speed through a load relief wheel.
- One-piece forged base improves the resistance of the TJ12 to the stresses encountered in its working environment.
- Very easy to use, requiring a low pumping force.



### TECHNICAL CHARACTERISTICS

FORCE	9 000 daN
STROKE	223 mm
WEIGHT	19.500 kg
DIMENSIONS (mm)	150 x 280 x 375
LEVER LENGTH	910 mm
STANDARD	ASME B30.1, EN 1494:2009

**BRE020**

NEW

## ► CATENARY TOOL, DECLAMPER



NEOELEC™



- > **CHOICE OF 2 JAWS**  
fixed clamping/declamping
- > **CHOICE OF CENTER-TO-CENTER DISTANCES**, 2 positions for the fixed jaw depending on whether the clamp is short or long. For a given clamp, the BRE020 does not require a change of jaw to carry out clamping/declamping



- > **RECOVERY BIN**  
Facilitates clamp retrieval. Easily dismountable for storage
- > **POSITIONING FROM ABOVE**  
Facilitates and secures alignment for removal

## CATENARY TOOL CLAMPER-DECLAMPER

### CAPACITY

Covers most cases (single or double wire): VZC4000, VZC4001, VZC4005, VZC4006, VZC5049, VZC205116, VZC205165, VZC205164, VZC205150, VZC2011



#### EXCELLENT WEIGHT-TO-PERFORMANCE RATIO

Shears the pins on clamps 4001,4006  
Clamp installation and removal with intuitive positioning  
Unblocks the most stubborn clamps.



#### SWITCHES OFF AUTOMATICALLY

To reduce battery consumption



#### ROTATIVE HEAD

90°.



#### LIGHTING

Workplace illumination by LED



#### AUTOMATIC RETURN

Automatic return at the end of the cycle, manual decompression possible



*Do not use on live cables.*

#### STROKE

28 mm

#### FORCE

20 kN

#### DIMENSIONS WITH BATTERY (L x w x h in mm)

355 x 180 x 317

#### WEIGHT (with battery)

5.100 kg

#### ACOUSTIC POWER LEVEL (LwA)

74.9 dB(A)

#### THE EFFECTIVE WEIGHTED ACCELERATION

<2.5m/s<sup>2</sup>



**DIMENSIONS** (mm) 520 x 440 x 130

**WEIGHT** 2.300 kg

> Case and charger supplied with the tool.

> Accessories **NEOELEC™**

See **PAGE 98**.

**BDL041**

► Catenary tool, **HYDRAULIC KINK REMOVER**

18V  
2Ah

**CONTACT WIRE**  
copper,  
copper-cadmium,  
copper-tin,  
copper-magnesium



**EXCELLENT WEIGHT-TO-PERFORMANCE RATIO**  
up to 150 mm<sup>2</sup>



**SWITCHES OFF AUTOMATICALLY**  
To reduce battery consumption



**ROTAATIVE HEAD**  
180°.



**LIGHTING**  
Workplace illumination by LED.



**REMovable HANDLE**



*Do not use on live cables.*

<b>STRAIGHTENING CAPACITY</b>	107 - 150 mm <sup>2</sup>
<b>FORCE</b>	40 kN
<b>CYCLE TIME</b> (depends on the contact wire)	8 - 9 s
<b>BATTERY LIFE (APPROX.)</b>	90 cycles
<b>DIMENSIONS WITH BATTERY</b> (L x w x h in mm)	390 x 80 x 210
<b>WEIGHT</b> (with battery)	4.950 kg
<b>ACOUSTIC POWER LEVEL</b> (LwA)	75 dB(A)
<b>THE EFFECTIVE WEIGHTED ACCELERATION</b>	<2.5m/s <sup>2</sup>



**DIMENSIONS** (mm) 555 x 375 x 180

**WEIGHT** 3.900 kg

- > Case and charger supplied with the tool.
- > Accessories **NEOELEC™**  
See **PAGE 98**.

# PAS

## ► WELD-ON CONNECTION PLATE

### SNCF APPROVED

The weld-on plate is a system that is designed to make electrical connections on manganese steel rails.

- Support plate fitted with 3 short rail bonds Ø 13.5 mm to make 3 electrical connections on manganese switches.
- The rail bonds are protected by 3 covers to be removed after welding.
- Pre-fitting possible in the workshop on new equipment or directly on site for existing equipment.

**Note:** in compliance with procedure IPM-MR-1/00 N° 2001-093 dated 10/10/2001, this welding operation must be carried out by an approved operator.

- Supplied ready to be welded.

### TECHNICAL CHARACTERISTICS

WEIGHT	1.200 kg
DIMENSIONS (mm)	200 × 60 × 12
RAIL BOND TYPE	Short rail earth bond Ø 13.5 – M10
HARDWARE TYPE	Anti-friction washer + M10 stainless steel self-locking washer nut
TIGHTENING TORQUE FOR THE CONNECTIONS	40 Nm



# PRCC

## ► BUSBAR FOR SHIFTED CONNECTION



**PRCC-UIC60: SNCF SYMBOL 7.952.0905  
PRCC-U50: SNCF SYMBOL 7.952.0920**

The busbar is used to shift the cable connection point underneath the rail. Used to connect power factor correction capacitors, the PRCC provides electrical continuity between the rail and the cable.

- Protects the connection and the cable when track maintenance vehicles run on the track.
- Follows the rail profile perfectly.
- Easy to fit by applying the same tightening torque on the mounting nut and the connecting nut.
- 2 SNCF symbolized part numbers: UIC60 and U50 profiles. Also exists for UIC54 rail profiles (not SNCF symbolized).
- Supplied in individual packaging with hardware to fasten the cable.

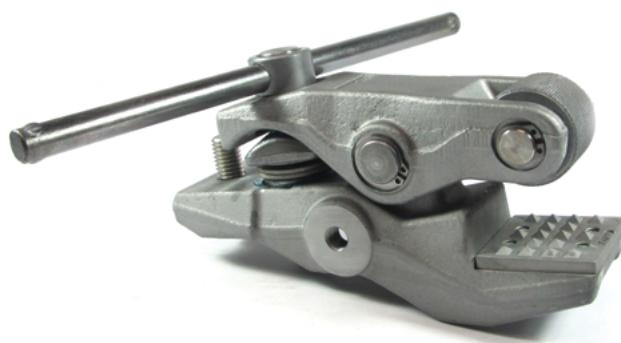
### CHARACTERISTICS

<b>HARDWARE TYPE</b>	M6 stainless steel self-locking washer nut
<b>MATERIAL</b>	Tin-plated copper
<b>TIGHTENING TORQUE</b>	10 Nm

# MPR / CABLES

For the French market, these products are marketed by BARIOT

## RAIL FOOT CLAMP



### TECHNICAL CHARACTERISTICS

WEIGHT	2.300 kg
CLAMPING CAPACITY	10 to 23 mm
CABLE CONNECTION	M10 and M12 screws
RAIL NETWORKS	750 V / 1 500 V / 3 000 V 15 000 V / 25 000 V

## TEMPORARY CONNECTION CABLES



### TECHNICAL CHARACTERISTICS

NETWORK	LENGTH	2 m	3 m	4.5 m	10 m
25 000 V SECTION 40 mm <sup>2</sup>	TYPE WEIGHT	RR 40-2 S 1.200 kg	CV 40-3 S 1.600 kg	RS 40-4.5 S 2.150 kg	CLR 40-10 S 4.400 kg
DUBUIS P/N SNCF		82939 0.392.6333	82940 0.392.6332	82949 0.392.6331	82941 0.392.6330
1 500 V SECTION 95 mm <sup>2</sup>	TYPE WEIGHT	CV 95-2 S 2.200 kg	RS 95-3 S 3.200 kg	RS 95-4.5 S 4.500 kg	CLR 95-10 S 10.000 kg
DUBUIS P/N SNCF		77924 0.392.6338	78929 /	77923 0.392.6336	82954 0.392.6335

## ► RAIL FOOT CLAMP TEMPORARY CONNECTION CABLES

### NON SNCF-APPROVED

The MPR rail foot clamp, joined to the TPU2 switch rod head via the connecting cable, is used to establish equipotentiality between overhead line and the rail or any other metallic structure.

- Quick and easy to fit, by screwing firmly by hand, without any additional tools.
- A diamond brad plate and a support ring made from high-strength steel provide the contact, even on oxidized rails.
- It is used on all "Vignole" rails, on the switches of crossings and catenary supports.
- Supplied with M12 hardware.

### AS AN OPTION:

- Diamond brad wear gauge.
- Brad plate and support ring replacement kit.

### SNCF-APPROVED EQUIPMENT

The connecting cable provides the connection between the switch rod head and the rail foot clamp.

- Round copper braid (strand Ø 0.2 mm).
- Protected by a high-strength transparent silicon sheath.
- Equipped with 2 reinforced embossed lugs with crimping on insulation and M12 terminal hole.

### DIFFERENT TYPES OF CONNECTION ARE POSSIBLE

CLR: Rail Grounding Connection  
CV: Flying Connection  
RS: Rail / Support Connection  
RR: Rail / Rail Connection  
Connection extension

# MPRG / CABLES

For the French market, these products are marketed by BARIOT

## GROOVED RAIL FOOT CLAMP



## TECHNICAL CHARACTERISTICS

<b>WEIGHT</b>	1.700 kg
<b>CABLE CONNECTION</b>	M12 screws
<b>RAIL NETWORKS</b>	750 V or other, equipped with grooved rail

# TEMPORARY CONNECTION CABLES



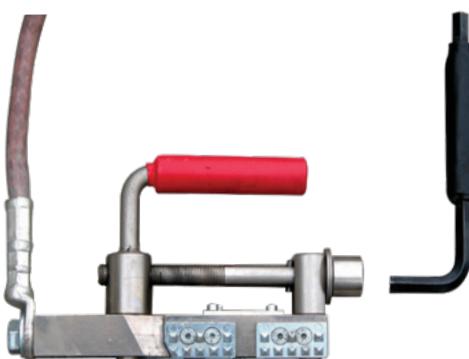
## ► GROOVED RAIL FOOT CLAMP TEMPORARY CONNECTION CABLES

The MPRG rail foot clamp, joined to the TPU-Tram switch rod head via the connecting cable, is used to establish equipotentiality between overhead contact line and the grooved rail.

- Specially suited to the grooved rail used on the networks Trams, in particular on rail RI60 and 35GTF.  
*(For other types of rail, please contact us)*
  - 4 diamond brad plates, separated by tightening a toothed screw made from high-strength steel provide the contact, even on oxidized rails.
  - Connection to the connecting cable via an M12 stainless steel screw.
  - Supplied with M12 hardware.

## AS AN OPTION:

- A groove wear adjustment kit consisting of 4 wedges 2 mm thick to be placed under the brad plates.
  - Brad plate replacement kit.



Cable + MPRG + wrench

**The connecting cable provides the connection between the switch rod head and the rail foot clamp.**

- Round copper braid (strand Ø 0.2 mm).
  - Protected by a high-strength transparent silicon sheath.
  - Equipped with 2 reinforced embossed lugs with crimping on insulation and M12 terminal hole.

Available in 25 mm<sup>2</sup>, 40 mm<sup>2</sup> and 95 mm<sup>2</sup> sections, and lengths of 2 m, 7 m and 10 meters (for other lengths, please contact us).

# TPU2

## ► DOUBLE ARCH UNIVERSAL SWITCH ROD HEAD



### TECHNICAL CHARACTERISTICS

WEIGHT	1.160 kg
RAIL NETWORKS	750 V 1 500 V 3 000 V 15 000 V 25 000 V
SHORT-CIRCUIT WITHSTAND STRENGTH	80,000 A

### NON SNCF-APPROVED

The purpose of the TPU2 double-arch switch rod head is to allow the short-circuit current to flow between the overhead line and the connecting cable.

- Quick and easy to use, without any associated action, by simply placing it on the cable.
- Head profile enabling it to be placed onto cables or tubular sheathing of diam. 10.5 to 49.5 mm, as well as onto twin 1 500-Volt contact wires.
- Flexible conductive braid providing a large contact surface, even when the pole is subject to oscillation (wind, trains passing on the adjacent track, etc.).
- Suitable thread for SNCF-approved insulating poles.
- It can be connected to 40 or 95-mm<sup>2</sup> connecting cable (or other cables depending on the networks) using M12 hardware.
- Supplied in individual packaging.

### AS AN OPTION:

- Contact braid replacement kit containing:  
10 braids + hardware (P/N 82813).



# PITM

## ► INSULATED TELESCOPIC POLE WITH FOAM-COVER UPPER TUBE



### TECHNICAL CHARACTERISTICS

<b>WEIGHT</b>	3.500 kg
<b>LENGTH</b>	2.15 m to 5.60 m (or 7.60 m with extension)
<b>RAIL NETWORKS</b>	750 V 1 500 V 3 000 V 15 000 V 25 000 V
<b>RED TUBE</b>	Foam-covered upped tube in compliance with standard IEC 60855-1
<b>WHITE TUBES</b>	Hollow middle and lower tubes in compliance with standard IEC 61235

### NON SNCF-APPROVED

The telescopic insulating pole can be used to place the universal switch rod head on the overhead wire during verification or lockout operations on live cables, such as voltage detection or grounding operations.

- Wraparound threaded end designed to be fitted with a DT1036 / DT2025 voltage detector or a TPU2 / TPU-Tram switch pole head.
- Foam-covered upper tube providing electrical insulation that protects the user should there be any induced currents or short-circuits.
- Locking system that is applied by rotating the grooved ring for fast adjustment of the useful length of the pole.
- Tube anti-rotation system when the pole is fully extended.
- Reflective strips making the pole easy to locate during night work.
- Removable plug designed to absorb shocks, protecting a threaded ring to connect the extension.

### AS AN OPTION:

- 2-metre extension (P/N 82914-01) to reach the highest points of the catenary.
- Siliconized cloth (P/N 78210) for regular tube maintenance.
- Carrying case for 1 (P/N 77345) or 2 units (P/N 78211).
- All the components can be removed and are available as spare parts, including the upper foam-covered tube to upgrade older model Dubuis poles.



# TPU-TRAM

## ► TRAM SWITCH POLE HEAD



### TECHNICAL CHARACTERISTICS

WEIGHT	0.920 kg
RAIL NETWORKS	750 V 1 500 V
SHORT-CIRCUIT WITHSTAND STRENGTH	35 000 A

### RATP-APPROVED

The purpose of the TPU-Tram Tramway switch rod head is to allow the short-circuit current to flow between the overhead contact line and the rail connecting cable.

- Quick and easy to use, without any associated action, by simply placing it on the cable.
- Flexible conductive braid providing a large contact surface, even when the pole is subject to oscillation (wind, trains passing on the adjacent track, etc.).
- Specially suited to tramway networks, with a stainless-steel hook that makes the removal of the upper pole safe in the urban environment.
- Suitable thread for Dubuis PIM-Tram and PITM insulating poles.
- It can be connected to 40 or 95-mm<sup>2</sup> connecting cable (or other cables depending on the networks) using M12 hardware.
- Supplied in individual packaging.

### AS AN OPTION:

- Contact braid replacement kit containing 10 braids + hardware (P/N 82813).



# PIM-TRAM



## ► TRAMWAY INSULATED TELESCOPIC POLE

### RATP-APPROVED

The PIM-Tram Insulated Telescopic pole is particularly suited for use on Tramway networks. It consists of 2 parts and can be used to install the voltage detector or the universal switch rod head on the overhead contact line during verification or lockout operations on live cables, such as voltage detection or grounding operations. The cone located at the base of the upper tube indicates a work site.

#### TOP SECTION:

- Part intended to remain separate or permanently assembled to the top section, on the contact wire throughout the duration of the work.
- Wraparound threaded end designed to be fitted with a DT1036 voltage detector or a TPU2 switch rod head.
- Foam-covered upper tube provides electrical insulation that protects the user should there be any induced currents or short-circuits.
- The base is fitted with a reception cone to facilitate interlocking the lower section.
- Reflective cone used to indicate the work site.

#### BOTTOM SECTION:

- Adjustable telescopic section equipped with a bayonet, which interlocks with the upper section by rotating the pole half a turn.
- 1 bottom section can be used to fit or remove several top sections.
- Locking system that is applied by rotating the grooved ring for fast and solid adjustment of the useful length of the pole.
- Tube anti-rotation system when the pole is fully extended.
- Reflective strip making the pole easy to locate during night work.
- Removable plug designed to absorb shocks, covering a threaded ring to connect the extension.

#### AS AN OPTION:

- 2-metre extension (P/N 82914-01) to reach the highest points of the catenary.
- Siliconized cloth (P/N 78210) for regular tube maintenance.
- Carrying bag for 1 (P/N 77345) or 2 units (P/N 78211).
- All the components can be removed and are available as spare parts.

# PEC1000

► Catenary Vehicle Pole  
P/N 82935-02



## NON SNCF-APPROVED

The PEC1000 catenary vehicle pole is used to place the switch pole head on the catenary wire during verification or lockout operations on live cables, such as grounding operations.

- Length 1 meter ideal for grounding the catenary from a vehicle or aerial lift.
- Insulated tube protecting the user from any induced current and short-circuit current.
- Wraparound threaded end designed to be fitted with the TPU2 switch pole head.
- Hand guard placed at a safe distance to protect the user from any induced currents of short-circuit currents.
- Reflective strip making the pole easy to locate during night work.
- Ergonomically-designed, non-slip shock-absorbing handle.

### TECHNICAL CHARACTERISTICS

WEIGHT	0.560 kg
LENGTH	1 meter
RAIL NETWORKS	1 500 V / 3 000 V 15 000 V / 25 000 V

# CONE & BAYONET

## ► ADAPTER TO FIT PPE HOOK



This adapter assembly, which consists of a reception cone and a bayonet, is used to fit and remove safety line hooks

### RECEPTION CONE

- Used to fit the safety line hook.
- Made from flexible material with a reflective strip, provides good shock resistance and good visibility on site.
- Its conical shape helps to guide the pole / bayonet assembly.
- A reflective strip acts as a marker to align it with the marking on the bayonet when the 2 parts are joined together.

### BAYONET

- Screws directly onto the SNCF-approved poles.
- A simple rotation of approximately  $\frac{1}{2}$  a turn of the pole in the cone interlocks the 2 parts.

### TECHNICAL CHARACTERISTICS

<b>CONE WEIGHT</b>	0.520 kg
<b>CONE DIMENSIONS</b>	Ø max: 150 mm Height: 380 mm
<b>BAYONET WEIGHT</b>	0.200 kg
<b>BAYONET DIMENSIONS</b>	Ø max: 40 mm Height: 130 mm



# PEP

## ► TEMPORARY OVERHEAD CONTACT DROPPER



### SNCF-APPROVED

The Temporary Overhead Contact Dropper is used during operations to replace the contact wire on the 1500-volt catenary with auxiliary bearer cable.

It is installed in place of the dropper before the maintenance operation and is used to quickly replace the used contact wire by a new wire, during the winding/unwinding operation.

- Made entirely from steel, thereby providing mechanical strength and durability.
- Excellent reliability in terms of resistance, even in bends.
- Very quick and easy to fit: placed on the grooves of the catenary wire and clamped by manual pressure, then clipped onto the auxiliary bearer cables.
- Developed for the 1 500 V French network, it can be used on contact wires of 107 and 150 mm<sup>2</sup>, as well as on auxiliary bearer cables of 104, 143 and 178 mm<sup>2</sup>.

### TECHNICAL CHARACTERISTICS

WEIGHT	0.329 kg
RAIL NETWORKS	1,500 V
DIMENSION BETWEEN THE CONTACT WIRE AND AUXILIARY BEARER CABLE	200 mm
MAXIMUM WORKING LOAD	120 kg
MINIMUM BREAKING LOAD	360 kg
MINIMUM SLIDING RESISTANCE	50 kg



### AS AN OPTION:

- Plastic storage box with lid, and wooden packing with individual compartments for easy storage and removal. Capacity 72 PEPs. Supplied empty. (P/N 82008).

# FCCI

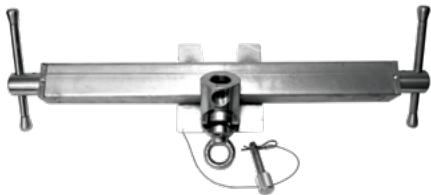
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The Cantilever Unit Set supports the mechanical strain produced when replacing cantilever units or section insulators on catenary posts. Fitted on the support, the cantilever foot is used to support the Cantilever Unit or Insulator Changing tool components to carry out maintenance operations on the 1 500 V or 25 000 V network.

## PROVIDED UPON REQUEST

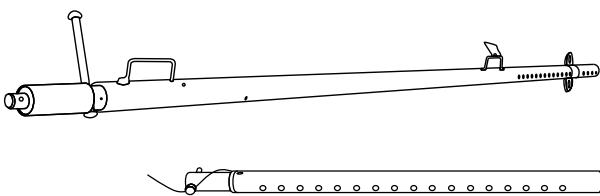
### TECHNICAL CHARACTERISTICS

WEIGHT	15.600 kg
DIMENSIONS (mm)	750 × 300 × 300



### TECHNICAL CHARACTERISTICS

CANTILEVER UNIT DIMENSIONS (mm)	3 425 × 95 × Ø 32.5
EXTENSION DIMENSIONS (mm)	1 000 × Ø 32.5

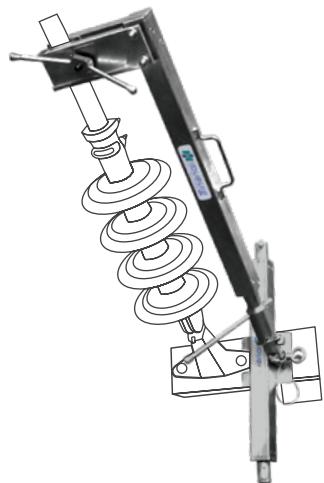


### TECHNICAL CHARACTERISTICS

WEIGHT	16.400 kg
DIMENSIONS (mm)	1 040 × 420 × 220



## ► CANTILEVER UNIT INSULATOR CHANGING TOOL



### CANTILEVER FOOT

- Enables fast, powerful and efficient fitting of Cantilever Unit or Insulator Changing tool components on "H" posts.
- Supplied with 3 adapters:
  - "H" adapter 100/120 for fitting on props
  - "U" adapter 160 × 65 for fitting on pole braces
  - Compensation plate with thickness to match the profile of the supports.

### CANTILEVER UNIT

- The cantilever unit head fits onto the bearer cable and can be positioned in different places on the cantilever unit tube.
- Two eyelets are provided to attach the pulling winches.
- This system can be equipped with a 1-metre extension (as an option).

### UNIT INSULATOR CHANGING TOOL

- Strong attachment onto tube with diameter 35 to 50 mm.
- Clamping jaws equipped with polyurethane linings for optimum adhesion without marking the tubes.
- The tube can be moved easily and precisely relative to the post using the screw jack.

# VHIS1500

## ► SECTION INSULATOR SETTING AND REMOVING TOOL



### TECHNICAL CHARACTERISTICS

FORCE	50 kN
WEIGHT	16 kg max.
DIMENSIONS (mm) DEPENDING ON EXTENSION	779 x 146 x 186 1 079 x 146 x 186
WORKING PRESSURE	700 Bar
NETWORK	1 500 V

### SNCF APPROVAL № IMT 08046

The VHIS1500 tool is designed to fit or replace section insulators on the 1 500-V network.

- Powerful tool used to locally remove (over the length of the tool) the mechanical strain in the contact wire, by moving the jaws closer together.
- Compatible on 1 500-V single and double catenary wire networks.
- Equipped with 2 interchangeable extensions designed to fit and replace Galland section insulators (see cross-reference table below).
- 3 cutting plates protect each extension when cutting the contact wire.
- Powered by a 700-Bar hydraulic source (GHA702, BGH700, PHE705, PHE706, etc.).
- A flow limiter releases the tension safely and makes section insulator setting easier

### CHOICE OF EXTENSIONS DEPENDING ON THE INSULATOR

NUMBER OF WIRES	1	2	1	1	2	2
CLAW P/N	211379	211375	JG1776	JG1776	JG2178	JG1854
NUMBER OF BOLTS	4	4	3	4	3	4
INSULATOR P/N	11640	11640	11662	11662	11662	11662

### METAL CASE



DIMENSIONS (mm)	850 x 320 x 200
WEIGHT	14.350 kg
P/N	Supplied with the tool
CAPACITY	VHIS1500 + 2 extensions

# VHIS25000

## ► SECTION INSULATOR SETTING AND REMOVING TOOL



### TECHNICAL CHARACTERISTICS

FORCE	30 kN
WEIGHT	12 kg max.
DIMENSIONS (mm) DEPENDING ON EXTENSION	1 135 × 62 × 162 1 250 × 62 × 162
WORKING PRESSURE	700 Bar
NETWORK	25 000 V

### CHOICE OF EXTENSIONS DEPENDING ON THE INSULATOR

NUMBER OF WIRES	1	1	1	1
CLAW P/N	JG1363 / 211628	JG2132 / 211612	JG1363 / 211628	JG2132 / 211612
NUMBER OF BOLTS	3	4	3	4
INSULATOR P/N	JG1352 / 211625	JG1352 / 211625	JG2202	JG2202

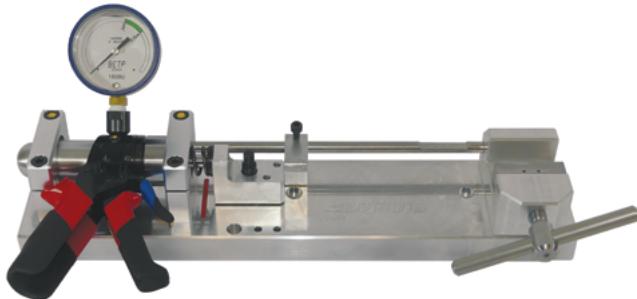
### PLASTIC CASE



DIMENSIONS (mm)	1,230 × 260 × 115
WEIGHT	2.640 kg
P/N	Supplied with the tool
CAPACITY	VHIS25000 + 2 extensions

# BETP

## ► DROPPER CRIMPING TEST BENCH



> P/N 82909-01

<b>TRACTION FORCE</b>	2.0 to 2.5 kN
<b>DIMENSIONS (mm)</b>	500 × 190 × 80
<b>WEIGHT</b>	without jaws: 7.30 kg with jaws and case: 11.200 kg

• 3 jaw sizes included for:

- Stainless steel or bronze droppers Ø 5 mm P/N 82895
- Earth cable 40 mm<sup>2</sup> (Ø 11.5 mm) P/N 82893
- Earth cable 95 mm<sup>2</sup> (Ø 16 mm) P/N 828994



### NON SNCF-APPROVED

200 daN test bench for crimp strength tests on stainless steel and bronze droppers, or earth cables.

- Non-destructive tests.
- Pulling force reached with a few pumping actions only.
- Applied pressure is checked in real time on a range test gauge.
- The red mark located on the tool frame is used to check that there is no connector slippage.
- Cable to be tested firmly clamped in a hydraulic vice equipped with suitable jaws to avoid damage.



### CASE

<b>DIMENSIONS (mm)</b>	600 × 400 × 185
<b>WEIGHT (empty)</b>	3.260 kg
<b>CAPACITY</b>	tool + 3 clamping jaws

## PERSONAL NOTES

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# SANITARY CRIMPING TOOLS



Dubuis has a broad range of tools  
for sanitary crimping tasks



# SANITARY RANGE

SANITARY RANGE		MPP040	<a href="#">page 220</a>
		BPL062	<a href="#">page 221</a>
		MJL034	<a href="#">page 222</a>
		BJP034	<a href="#">page 223</a>
DIE SETS & PLIER		DIE SETS MPP040 AND BPL062	<a href="#">page 224</a>
		PLIER MJL034 AND BJP034	<a href="#">page 225</a>

# 1 TOOL - 3 TRADES

ELECTRICIAN - PLUMBER - HEATING ENGINEER

## MANUAL CRIMPING PRESS



### QUICK OPENING & CLOSING

Easy to replace die sets.



### ROTATIVE HEAD

180°.



*Do not use on live cables.*



### THE MOST COMPACT TOOL ON THE MARKET



### COMPATIBLE DIE SETS

With tool **BPL062**.

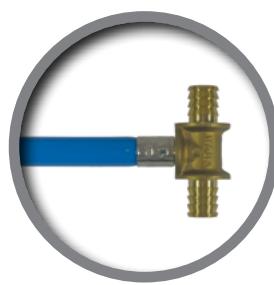


### LIGHT & ERGONOMIC

One hand crimping.



<b>STROKE</b>	9.5 mm
<b>FORCE</b>	34 kN
<b>DIMENSIONS</b> (L x w x h in mm)	255 x 55 x 195
<b>WEIGHT</b>	1.680 kg



APPLICATIONS	CROSS-SECTIONS
⦿ Copper lugs and sleeves – NFC 20-130	4 > 150 mm <sup>2</sup>
⦿ Bare or pre-insulated copper/aluminum sleeves – EDF	E54 > E215
⦿ Copper/aluminum lugs and sleeves – DIN 48083	KZ4 > KZ22
⦿ C-shaped connectors	C6 > C16
⦿ Pre-rounding	10 > 120 mm <sup>2</sup>
⦿ Copper lugs and sleeves – NFC 20-130	10 > 95 mm <sup>2</sup>

MATERIAL	PROFILE	DESCRIPTION
PER	Dn	Dn12 to Dn20
PER	H	H12 to H20
Multilayer	F	F14 to F20
Multilayer	U	U14 to U20
Multilayer	TH	TH12 to TH20

> Interchangeable die sets



<b>DIMENSIONS</b> (mm)	390 x 320 x 95
<b>WEIGHT</b> (with tool)	2.680 kg

> Case supplied with the tool.

# 1 TOOL - 3 TRADES

ELECTRICIAN - PLUMBER - HEATING ENGINEER

## BATTERY-OPERATED CRIMPING PRESS



### QUICK OPENING & CLOSING

Easy to replace die sets.



NEOELEC™

# BPL062



### VERY LIGHT HEAD

Excellent weight-to-capacity ratio.



### COMPATIBLE DIE SETS

With tool **MPP040**.



### ROTATIVE HEAD

180°.



**Do not use on live cables.**

**STROKE**

13 mm

**FORCE**

62 kN

**CRIMPING TIME** (depends on cross-section to be crimped) 3 to 5 s

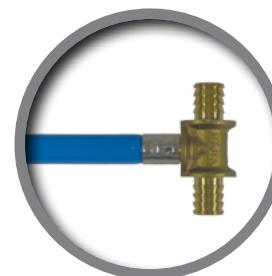
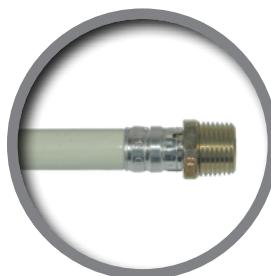
**BATTERY LIFE** (approx. on 185 mm<sup>2</sup> copper) 220 crimps

**DIMENSIONS** (L x w x h in mm) 128 x 75 x 395

**WEIGHT** (with battery) 3.250 kg

**ACOUSTIC POWER LEVEL** (LwA) 75 dB(A)

**THE EFFECTIVE WEIGHTED ACCELERATION** <2.5m/s<sup>2</sup>



APPLICATIONS	CROSS-SECTIONS
Hexagonal lugs and sleeves – NFC 20-130	6 > 300 mm <sup>2</sup>
Hexagonal copper/aluminum lugs and sleeves – DIN 48083	KZ6 > KZ34
C-shaped connectors	C10 > C50
Pre-rounding	25 > 240 mm <sup>2</sup>
Bare or pre-insulated copper/aluminum sleeves	E54 > E280

> Interchangeable die sets



MATERIAL	PROFILE	DESCRIPTION
PER	CO	CO12 to CO25
PER	Dn	Dn12 to Dn32
PER	H	H12 to H32
Multilayer	F	F14 to F32
Multilayer	U	U14 to U32
Multilayer	TH	TH12 to TH32
Cu	VIEGA	V12 to V28
Stainless steel	MAPRESS	M14 to M28
	GEBERIT	G16 to G32



**DIMENSIONS** (mm) 471 x 415 x 116

**WEIGHT** (with tool) 5.500 kg

> Case supplied with the tool.

# MANUAL CRIMPING PRESS



**FAST, SIMPLE & RELIABLE SYSTEM**



**ROTATIVE HEAD**  
300°.



**COMPATIBLE PLIERS**  
With tool **BJP034**.



**2-SPEED HYDRAULIC SYSTEM**  
Less pumping action required.

## MJL034

<b>STROKE</b>	40 mm
<b>FORCE</b>	34 kN
<b>DIMENSIONS</b> (L x w x h in mm)	482 x 82 x 135
<b>WEIGHT</b> (without pliers)	2.650 kg



MATERIAL	PROFILE	DESCRIPTION
Cu	V	V12 - V14 - V15 - V16 - V18 - V22 - V28
STAINLESS STEEL	M	M14 - M16 - M28
PER	CO	CO12 - CO16 - CO20 - CO25
PER	Dn	Dn12 - Dn16 - Dn20 - Dn25 - Dn32
PER	H	H12 - H14 - H16 - H17 - H18 - H20 - H25 - H26 - H32
Multilayer	U	U14 - U16 - U18 - U20 - U25 - U32
Multilayer	TH	TH12 - TH14 - TH15 - TH16 - TH17 - TH18 TH20 - TH25 - TH40 - TH50



<b>DIMENSIONS</b> (mm)	482 x 82 x 135
<b>WEIGHT</b> (with tool)	2.8 kg

> cover supplied with the tool.

# BATTERY-OPERATED CRIMPING PRESS

SANITARY



NEOELEC™  
**BJP034**



**ROTATIVE HEAD**  
300°.



**COMPATIBLE PLIERS**  
With tool **MJL034**.

**STROKE** 40 mm

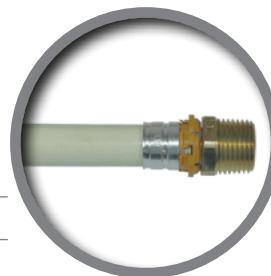
**FORCE** 34 kN

**DIMENSIONS** (L × w × h in mm) 395 × 95 × 330

**WEIGHT** (without pliers, with battery) 4.280 kg

**ACOUSTIC POWER LEVEL**(LwA)<sup>2</sup> 75 dB(A)

**THE EFFECTIVE WEIGHTED ACCELERATION** <2.5m/s<sup>2</sup>



MATERIAL	PROFILE	DESCRIPTION
Cu	V	V12 - V14 - V15 - V16 - V18 - V22 - V28
STAINLESS STEEL	M	M14 - M16 - M28
PER	CO	CO12 - CO16 - CO20 - CO25
PER	Dn	Dn12 - Dn16 - Dn20 - Dn25 - Dn32
PER	H	H12 - H14 - H16 - H17 - H18 - H20 - H25 - H26 - H32
Multilayer	U	U14 - U16 - U18 - U20 - U25 - U32
Multilayer	TH	TH12 - TH14 - TH15 - TH16 - TH17 - TH18 TH20 - TH25 - TH40 - TH50



**DIMENSIONS** (mm) 594 × 494 × 149

**WEIGHT** (with tool) 8.400 kg

> Case supplied with the tool.

**DIE SETS MPP040 - BPL062**

SYSTEM	PROFILE	DUBUIS P/N	MPP040	BPL062	SYSTEM	PROFILE	DUBUIS P/N	MPP040	BPL062
	H 12	62202	✓	✓		H 12 OFF-CENTER	62287	✓	✓
	H 14	62203	✓	✓		H 14 OFF-CENTER	62288	✓	✓
	H 16	62204	✓	✓		H 16 OFF-CENTER	62289	✓	✓
	H 17	62208	✓	✓		H 17 OFF-CENTER	62290	✓	✓
	H 18	62205	✓	✓		H 18 OFF-CENTER	62291	✓	✓
	H 20	62206	✓	✓		H 20 OFF-CENTER	62292	✓	✓
	H 25	62201	-	✓					
	H 26	62207	-	✓					
	H 32	62208	-	✓					
	U 14	62218	✓	✓		U 14 OFF-CENTER	62233	✓	✓
	U 16	62219	✓	✓		U 16 OFF-CENTER	62234	✓	✓
	U 18	62220	✓	✓		U 18 OFF-CENTER	62235	✓	✓
	U 20	62221	✓	✓		U 20 OFF-CENTER	62236	✓	✓
	U 25	62222	-	✓					
	U 32	62223	-	✓					
MAPRESS	M 14	62216	-	✓					
	M 16	62217	-	✓					
	M 28	62200	-	✓					
	F 14	62211	✓	✓					
	F 16	62212	✓	✓					
	F 20	62213	✓	✓					
	F 26	62214	-	✓					
	F 32	62215	-	✓					
COMAP	CO 12	62224	✓	✓					
	CO 16	62225	✓	✓					
	CO 20	62226	✓	✓					
	CO 25	62227	-	✓					
VIPER	Dn 12	62224	✓	✓					
	Dn 16	62225	✓	✓					
	Dn 20	62226	✓	✓					
	Dn 25	62227	-	✓					
	Dn 32	62226	-	✓					
VIEGA	V 12	62191	-	✓		V 12 OFF-CENTER	62293	-	✓
	V 14	62209	-	✓		V 14 OFF-CENTER	62294	-	✓
	V 15	62192	-	✓		V 15 OFF-CENTER	62295	-	✓
	V 16	62210	-	✓		V 16 OFF-CENTER	62296	-	✓
	V 18	62193	-	✓		V 18 OFF-CENTER	62297	-	✓
	V 22	62194	-	✓					
	V 28	62195	-	✓					
GENERIT	G 16	62187	-	✓					
	G 20	62188	-	✓					
	G 26	62189	-	✓					
	G 32	62190	-	✓					
	TH 12	62135	✓	✓		TH 12 OFF-CENTER	62280	✓	✓
	TH 14	62136	✓	✓		TH 14 OFF-CENTER	62281	✓	✓
	TH 15	62137	✓	✓		TH 15 OFF-CENTER	62282	✓	✓
	TH 16	62138	✓	✓		TH 16 OFF-CENTER	62283	✓	✓
	TH 17	62139	✓	✓		TH 17 OFF-CENTER	62284	✓	✓
	TH 18	62140	✓	✓		TH 18 OFF-CENTER	62285	✓	✓
	TH 20	62141	✓	✓		TH 20 OFF-CENTER	62286	✓	✓
	TH 25	62142	-	✓					
	TH 26	62143	-	✓					
	TH 32	62144	-	✓					

**ELECTRIC DIE SETS  
D40-BPL062**

PROFILE	DUBUIS P/N	D40	BPL062
4 mm <sup>2</sup>	93487	✓	✓
6 mm <sup>2</sup>	93488	✓	✓
10 mm <sup>2</sup>	93489	✓	✓
16 mm <sup>2</sup>	93490	✓	✓
25 mm <sup>2</sup>	93491	✓	✓
35 mm <sup>2</sup>	93492	✓	✓
50 mm <sup>2</sup>	93493	✓	✓
70 mm <sup>2</sup>	93494	✓	✓
95 mm <sup>2</sup>	93495	✓	✓
120 mm <sup>2</sup>	93496	✓	✓
150 mm <sup>2</sup>	93497	✓	✓
185 mm <sup>2</sup>	84115		✓
240 mm <sup>2</sup>	84116		✓
300 mm <sup>2</sup>	78453		✓

Die sets for tubular copper lugs and sleeves NFC20-130

**PLIERS MJL034 - BJL034**

SYSTEM	PROFILE	DUBUIS P/N	MJL034	BJL034	SYSTEM	PROFILE	DUBUIS P/N	MJL034	BJL034
	G 16	93373	✓	✓		U 14	93414	✓	✓
	G 20	93374	✓	✓		U 16	93415	✓	✓
	G 26	93375	✓	✓		U 18	93416	✓	✓
	G 32	93376	✓	✓		U 20	93417	✓	✓
	G 40	93377	✓	✓		U 25	93418	✓	✓
	G 50	93378	✓	✓		U 32	93419	✓	✓
	H 12	93379	✓	✓		U 40	93420	✓	✓
	H 14	93380	✓	✓		U 50	93421	✓	✓
	H 16	93381	✓	✓		V 12	93422	✓	✓
	H 20	93382	✓	✓		V 14	93423	✓	✓
	H 25	93383	✓	✓		V 15	93424	✓	✓
	H 26	93384	✓	✓		V 16	93425	✓	✓
	H 32	93385	✓	✓		V 18	93426	✓	✓
	HA 12	93386	✓	✓		V 22	93427	✓	✓
	HA 16	93387	✓	✓		V 28	93428	✓	✓
	HA 20	93388	✓	✓		V 35	93429	✓	✓
	HA 26	93389	✓	✓		V 45	93430	✓	✓
	HA 32	93390	✓	✓		V 54	93431	✓	✓
	HA 40	93391	✓	✓					
	M 12	93392	✓	✓					
	M 14	93393	✓	✓					
	M 15	93394	✓	✓					
	M 16	93395	✓	✓					
	M 18	93396	✓	✓					
	M 22	93397	✓	✓					
	M 28	93398	✓	✓					
	M 35	93399	✓	✓					
	M 42	93400	✓	✓					
	M 54	93401	✓	✓					
	TH 12	93402	✓	✓					
	TH 14	93403	✓	✓					
	TH 15	93404	✓	✓					
	TH 16	93405	✓	✓					
	TH 17	93406	✓	✓					
	TH 18	93407	✓	✓					
	TH 20	93408	✓	✓					
	TH 25	93409	✓	✓					
	TH 26	93410	✓	✓					
	TH 32	93411	✓	✓					
	TH 40	93412	✓	✓					
	TH 50	93413	✓	✓					

# TOOL INSPECTION



**Test gauges and manometers** are precision measuring instruments that are used to check compliance of the force developed by a tool or a hydraulic source, within just a few minutes.

- Periodic checks of all your hydraulic tools are necessary to guarantee the force developed by these tools and therefore, their ability to perform the work to which they are dedicated.
- Simple quick check.
- Each model is suited to the type of tool to be checked and the measuring range.
- **Needle pressure gauge:** the tool pressure is checked and is compliant when the needle is located within the green range at the moment of release.
- **Digital test gauge** - required for tools **NEOELEC™**  
Used to read peak value (*maximum value reached by the tool*). To read the verification value, see the cross-reference table provided.
- > All our dynamometers and manometers are supplied in a case, with their calibration certificate.
- > For the verification of other tools, **please contact us.**

## TEST GAUGE FOR CRIMPING TOOLS



Used to check the calibration of manual and battery-operated crimping tools.

- > Fits directly in the tool head, if necessary fitted with adapters.

D31, D31-Elec, BPE031, BPL031

- P/N: **300342-DIG**

D36, D36-Elec, BPE036, BPL036

- P/N: **300436-DIG**

D31, D31-Elec, BPE031, BPL031, D36, D36-Elec, BPE036, BPL036

- P/N: **300791-DIG**

D62, D62-Elec, BPL062, BPP062

- P/N: **300234-DIG**

C130, C130-Elec, H130, H130-Elec, BPP130

- P/N: **30910-DIG**

- > With removal of the head from the tool.

D51, D55 Elec, BPE055, BPL055

- P/N: **300405-DIG**

## MANOMETER FOR POWER PACKS & PUMPS

Used to check calibration of a hydraulic source.

It is connected directly onto the hose, in place of a hydraulic head.

GHA702, BGH700, PHE705, PHE706, PHP700

- P/N: **82812-BAR**



## TEST GAUGES FOR RAIL BOND SETTING TOOLS

Used to check the calibration of a PHxIN rail bond setting tool. It is slotted into the tool head, in place of the pulling unit.

PH1iN, PH2iN, PH3iN: P/N: **30952**

PH4iN, PH6iN: P/N: **30981**

PMA10, PMTXX, MTPM06-08-10, MTPXX, MTPX06-08, BTPX06-08:  
P/N: **80928**

>Calibration verification of manual crimping tool **C130-26**.



## VERIFICATION TOOL

► TO BE INSERTED IN THE TOOL HEAD to check tool force

TOOLS	Verification tool	P/N	Requires force sensor
D31 range		300731-D31	70 kN
D36 range		300731-D36	70 kN
D51-D52-D55 range		300731-D55	70 kN
Tool BPL061		212737	70 kN
D62 range		300725	70 kN
D80 range		194010-01	150 kN
C130 range		194010	150 kN
H130 range		194010 30289-01	150 kN
Tool BTEMXX PMA10 PMTXX		230353	60 kN
Multitool tool		96809	60 kN
The P/N does not include the electronic box or the force sensor			

> For the verification of other tools, please contact us.

# FORCE SENSOR

► TO BE INSERTED IN THE TOOL  
VERIFICATION TOOL

FORCE SENSOR	P/N	Force sensor Portable electronic box
70 kN force sensor Portable electronic box	300740	
150 kN force sensor Portable electronic box	300741	
70 kN force sensor 150 kN force sensor Portable electronic box	300742	
60 kN force sensor Portable electronic box	230444	
For a sensor or portable electronic box alone, please contact us		

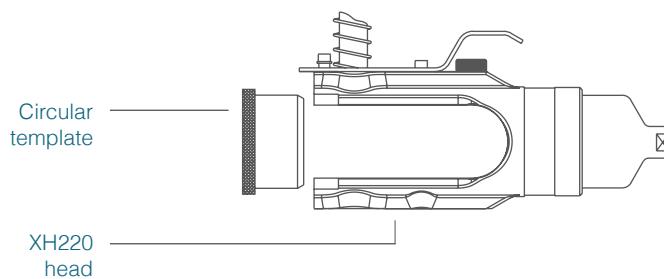
Portable electronic box  
– For connection to the force sensor



> For the verification of other tools, **please contact us**.

# CCUM

## ► DIE WEAR GAUGE



### 130-KN CCUM-CAT CASE

P/N 82921 including:

- 1 test gauge + 1 special flat die set, to check the calibration of the C130, C130-ELEC or BPP130 crimping press.
- 5 double die set gauges, to check catenary crimping die sets, type: 12DE61 - 12DE77S - 12DE85S - 12DE97 - 12DE100



### 130-KN CCUM-SIG CASE

P/N 82974 including:

- 12 double die set gauges, to check signaling crimping die sets, type: 12DE68 - HMPG35 - HMPG70 12DE170 - 12DE173 - HMPG185 - 12DX255 - 12DE268 - ECO95 - EGU95 - ECO185 - EGU185



### 220-KN CCUM-CAT CASE

P/N 82931 including:

- 1 manometer, to check calibration of the hydraulic source to which the XH220 or XH250-R crimping head is connected.
- 1 CEJN/ ½ valve adapter to be used, if required, between the manometer and the hose, depending on the type of couplers used.
- 1 circular template, to check for any excessive opening of the XH220 or XH250-R head.
- 10 double die set gauges, to check catenary crimping die sets, type: SH16 - SH17,5 - SH20,4 - SH25 - SH28,5 SH29 - SH32 - SH32,5 - SH34,5 - SH40

**Note:** 25DE77S - 25DE85S and 25DE100 die sets can be checked using the die set gauges in the 130-kN case, as the crimp imprint is identical.

## TORQUE WRENCHES

### ► WITH TOUCH-SENSITIVE AND AUDIBLE RELEASE



**Observing the defined tightening torque ensures that assembled parts are mechanically held together. The torque wrench is the ideal tool combining tightening accuracy and efficiency.**

- Adjustable tightening torque (operating range variable depending on model).
- Equipped with an accurate and readable vernier, improving adjustment accuracy.
- The vernier can be locked in the chosen position, thereby preventing accidental maladjustment.
- Touch-sensitive and audible release as soon as the torque is reached, can even be used in a noisy environment or in poor visibility conditions.
- The torque wrenches reset automatically as soon as the force is released and are ready for another tightening operation.
- Torque wrench equipped with a reversible ratchet so that it can be used for loosening.

Note: calibrated torque release only operates when tightening.

- Numbered torque wrench, supplied with a test certificate.
- Packaged in a protective plastic tube.

#### TECHNICAL CHARACTERISTICS

STANDARD	ISO 6789
ACCURACY	+/- 4 % of the displayed value
OPERATING RANGE	from 20 % to 100 % of the maximum tool capacity

#### TORQUE WRENCHES

P/N	CAPACITY (Nm)	<input checked="" type="checkbox"/>	CORRESPONDING RAIL BOND THREAD	SOCKETS
	5-25	1/4"	M6	OFACR10
			M8	OFACR13
	20-100	1/2"	M10	OFACS16H
			M12	OFACS18H
	40-200	1/2"	M16	OFACS24H



# DUBUIS IS ABOVE ALL, A CREATOR OF TOOLS

Our Design Office is at your disposal to develop any specific force-generating tools powered hydraulically, electro-mechanically or by any other innovative technology.

## HYDRAULIC SPREADER

force of one tonne at the ends



## CATENARY WIRE CUTTING TOOL

With a profile suited to different types of contact lines, avoiding cable deformation and producing a perfectly perpendicular cut



## PLEASE CONTACT US



## PERSONAL NOTES

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 DUBUIS



**ENERGY WITHIN  
EASY REACH.**

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