DUBUIS

HYDRAULIC TOOLS ELECTRICAL CONNECTIONS

DUBUIS CATALOG









CUTTING | CRIMPING | OTHER APPLICATIONS

CONTENTS

EDITORIAL
THE DUBUIS COMPANY
HISTORY
QUALITY
RESEARCH & DEVELOPMENT
PRODUCTION
AFTER-SALES SERVICE
TRAINING
SALES
TRADE SHOWS

HYDRAULIC HAND TOOLS
MANUAL CABLE CUTTER

MCL025G-26G 14
MCL040G 15
MCL045G 16
MCL055G 17
MCL065C 18
MCL085G 19

MANUAL CRIMPING PRESS

MPP031 20
MPP036 21
MPL051-52 22
MPL062 23
MPL080 24
MPL130 25
MPL130U 26

HYDRAULIC TOOLS
MULTITOOLS

BPL063 32
BPP063 33
BPE063 34

MULTITOOL HEADS

XPM062 35
XGM025 36
XCM050 37
XHM062 38
XCMDIN 39
XCMSTRU 40
XCM008 41
XPM061 42
XPM060F 43
XPM130D 44
XDM041 45
XCMNUT 46
XGMTRC 47
XGMCAT 48
XCMTRAY 49

BATTERY-OPERATED HYDRAULIC TOOLS
MINI-PISTOL

BCE025G 52
BCE035C 53
BPE031 54
BPE036 55
BPE055 56
BPE060F 57
BPE061 58
BPE062 59
BPE130 60

BATTERY-OPERATED HYDRAULIC TOOLS
INLINE

BCL020C 64
BCL025G 65
BCL035C 66
BCL050C 67
BCLSTRU 68
BCLTRAY 69
BPL031 70
BPL036 71
BPL055 72
BPL060F 73
BPL061 74
BPL062 75

BATTERY-OPERATED HYDRAULIC TOOLS PISTOL

BCP040G 78
BCP045G 79
BCP055G 80
BCP065C 81
BCP085GD 82
BCPSTRU 83
BPP060F 84
BPP061 85
BPP062 86
BPP080 87
BPP130 88
BPP130D 89
BPP130U 90
BPP1351 91
BPP200H 92
BPP220H 93
BPP240H 94

FORCE CONTROL 96

CONTROL SOFTWARE 97

18 V ACCESSORIES 99
FLEXVOLT ™ ACCESSORIES 100

HYDRAULIC POWER PACKS

CONNECTION 104
PHP700 105
PHE706 106
BGH701 108
BGH702 109
ACCESSORIES 110
FITTINGS & HOSES 111

HYDRAULIC HEADS

XCH018C 114
XCH020C 115
XCH025G 116
XCH030C 117
XCH035C 118
XCH040G 119
XCH045G 120
XCH055G 121
XCH065C 122
XCH085G 123

XCI95C 124
XD51 125
XD62 126
XPH130 127
XPH130U 128
XH220 129
XH250 130
XH250R 131
XU250 132
XH450 133

CRIMPING DIE SETS 137

CRIMPING DIE SETS FOR RAILWAY APPLICATIONS 148

SPECIAL TOOLS
BGC008 156
BCP008C 157
BCP017C 158
BCP20R 160
ES51 161
PO50 162
PPE RANGE 163
MK31 164
BPP130 165
PPE DIE SETS 166

EARTH BONDS
PMA10 172
MTPM06-08-10 173
BTEMXX 174
MTPMXX 175
XPH3INE-XPH4INE-XPH6INE 176
XPH3INP-XPH4INP-XPH6INP 177
BTPX06-08 178
MTPX06-08 179

SPECIAL REAMER
DRILL BITS 180
CUTTING FLUID 180
BUSHING REMOVER 180

THREADED MALE EB (TEST, PERFORMANCE, STANDARDS & DIMENSIONS)
► UTILIZATION IN STEEL AND STAINLESS-STEEL PLATE 182
UTILIZATION IN STEEL AND STAINLESS-STEEL PLATE 183
► UTILIZATION IN ALUMINUM PLATE 184
► UTILIZATION IN ALUMINUM PLATE 185

THREADED MALE EB (TEST, PERFORMANCE, STANDARDS & DIMENSIONS)
► UTILIZATION IN STEEL AND STAINLESS-STEEL PLATE 186
► UTILIZATION IN ALUMINUM PLATE 187

CATENARY MAINTENANCETOOLING
SIGNALING AND TRACTION RETURN CURRENTRAIL BOND
PRINCIPLE 190
WHY USE DUBUIS RAIL BONDS? 190
SETTING 191
RAIL BOND 192
RAIL BOND 193
BOND SETTING TOOLS 194
PHxIN 195
DP4CC 196
DP4TH 197
DRILL BITS &MILLING CUTTERS 198
TJ12 199
BRE020 200
BDL041 201
PAS 202
PRCC 203
MPR / CABLES 204
MPRG / CABLES 205
TPU2 206
PITM 207
TPU-TRAM 208
PIM-TRAM 209
PEC1000 210
CONE & BAYONET 211
PEP 212
FCCI 213
VHIS1500 214
VHIS25000 215
BETP 216

SANITARY CRIMPING TOOLS
MPP040 220
BPL062 221
MJL034 222
BJP034 223
DIE SETS MPP040 - BPL062 224
PLIERS MJL034 - BJL034 225
ELECTRIC DIE SETS 225
D40-BPL062 225

TOOL INSPECTION
TEST GAUGE FOR CRIMPING TOOLS 226
VERIFICATION TOOL 228
FORCE SENSOR 229
CCUM 230
TORQUE WRENCHES 231

DUBUIS IS ABOVE ALL,
A CREATOR OF TOOLS
PLEASE CONTACT US



The company's outside facade

EDITORIAL

DUBUIS

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.

FABRIQUÉ EN FRANCE

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).

Accueil



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 r**ange.
2002

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

Integration in the StanleyBlack&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

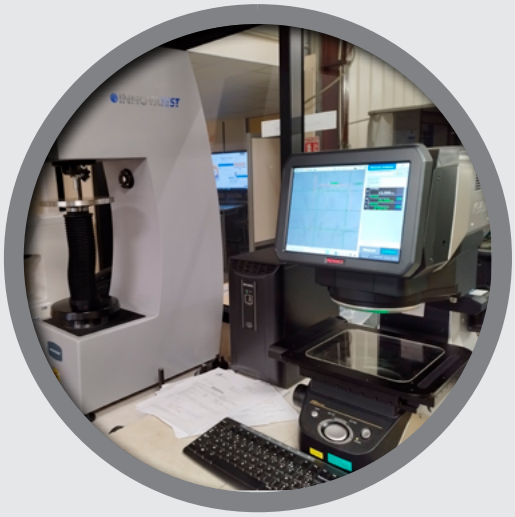
Launch of the **BGH702 with its bolt-cutter tool** for removing the asbestos roof panel
2023

Acquired by EPIROC group
2024

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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

EN 9100
ISO 9001
ISO 14001
ISO 45001

BUREAU VERITAS
Certification

LUCIE
PROGRESS

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***

Accueil

RESEARCH & DEVELOPMENT

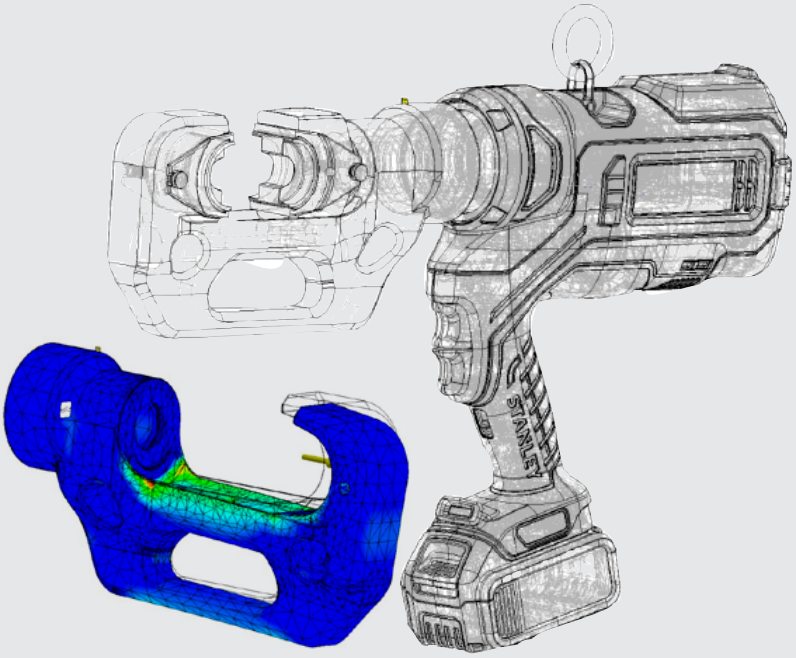
In an ever-more competitive industrial world, Research & Development is of strategic importance. Six engineers work in this team to innovate and satisfy the needs of our customers.

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*





Tool on battery ***BPP1303***

INNOVATION

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.

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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



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Accueil



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**

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.

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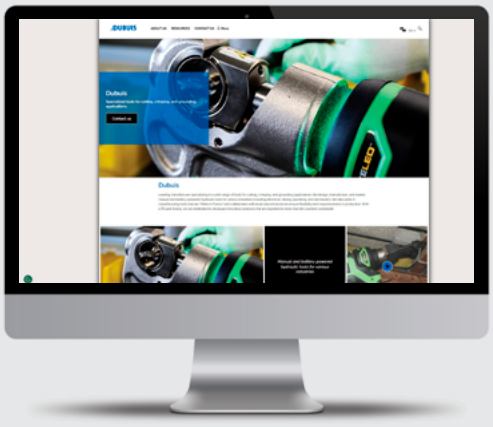
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www.dubuis.com



Accueil

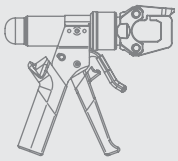
TRADE SHOWS

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

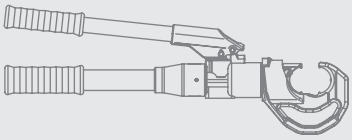


The company's stand at the InnoTrans RailRoad & Transport Technology show - Berlin, Germany - September 2023

STRONG, RELIABLE & ERGONOMIC









By release lever

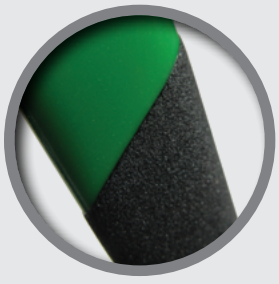


PISTON RETURN

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

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HYDRAULIC **HAND TOOLS**

CABLE CUTTER		MCL025G (36914) MCL026G	page 14
		MCL040G	page 15
		MCL045G	page 16
		MCL055G	page 17
		MCL065C	page 18
		MCL085G	page 19
CRIMPING PRESSES		MPP031 (34915)	page 20
		MPP036 (34914)	page 21
		MPL051 (31931) MPL052	page 22
		MPL062	page 23
		MPL080	page 24
		MPL130-26 | -38	page 25
		MPL130U	page 26

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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.

CABLE TYPES
copper, aluminum and steel

MAX. DIAMETER
Ø 25 mm
(depending on cables)



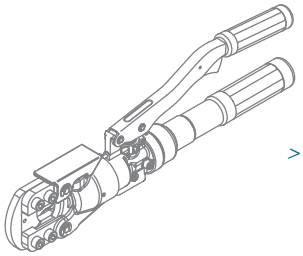
NEW REINFORCED BLADES
Extends blade service life *(> special steel cutter).*

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.

FORCE	55 kN
DIMENSIONS (L × w × h in mm)	380 × 60 × 140
WEIGHT	2.950 kg



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



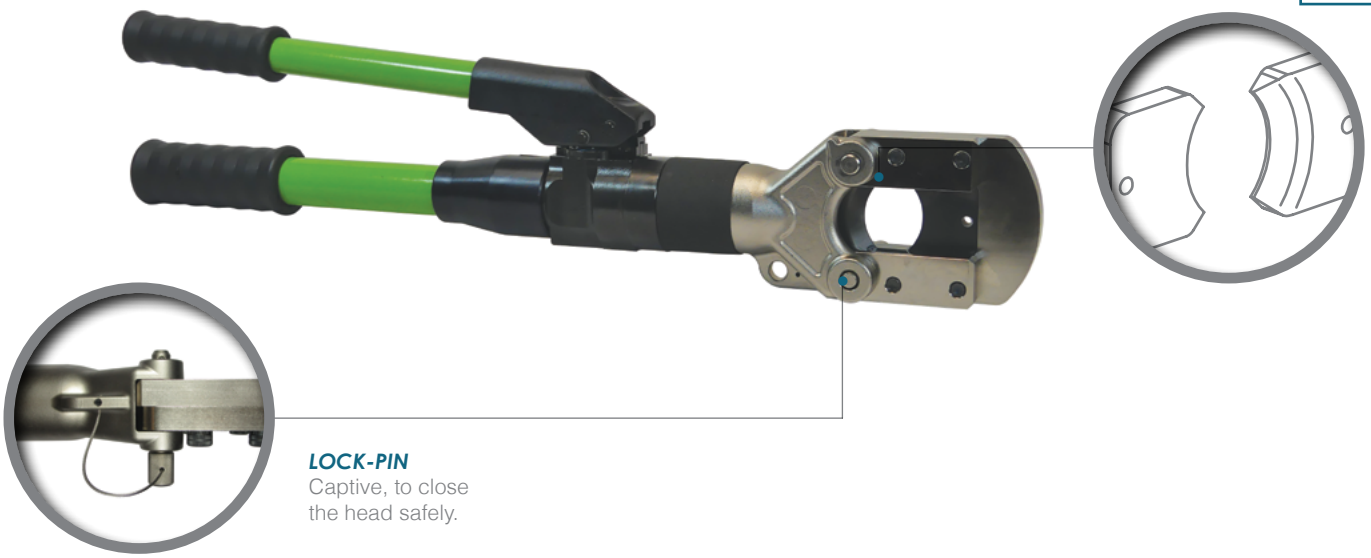
DIMENSIONS (mm)	490 × 302 × 90
WEIGHT	1.300 kg

> Supplied with the tool P/N PB31866N

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

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

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LOCK-PIN
Captive, to close the head safely.

MCL040G

HYDRAULIC CABLE-CUTTER
MANUAL GUILLOTINE TYPE

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

CABLE TYPES
copper, aluminum and steel

MAX. DIAMETER
Ø 40 mm
(depending on cables)



***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.

FORCE	88 kN
DIMENSIONS (L × w × h in mm)	645 × 85 × 165
WEIGHT	6.250 kg

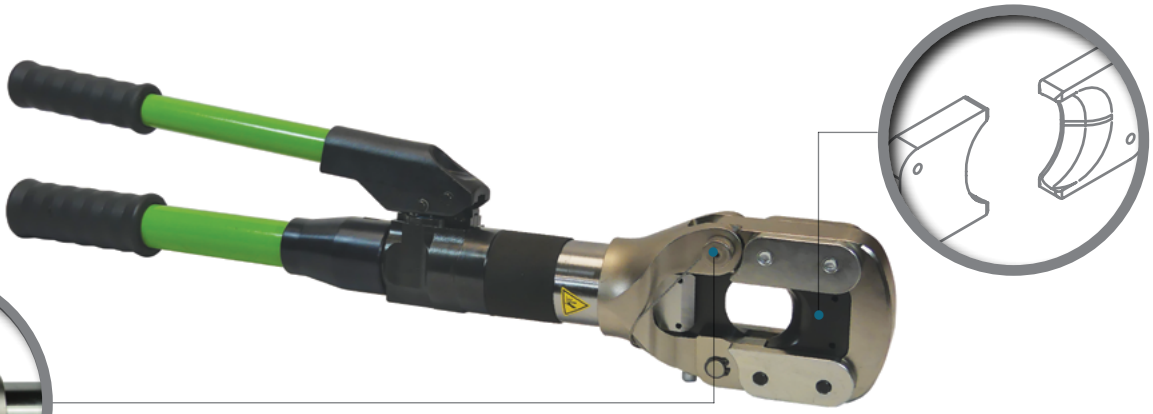


CANVAS BAG – Supplied with the tool.

	CABLE TYPES	MAX. HARDNESS	MAX. CUTTING Ø (mm) *
CABLES	Copper	< 40 daN/mm²	Ø 32 (630 mm²)
	Aluminum	< 20 daN/mm²	Ø 40
	Almelec	< 34 daN/mm²	Ø 40
	Steel	< 180 daN/mm²	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/mm²	Ø 18 (number of strands: 200)
	ACSR	< 180 daN/mm²	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/mm²	Ø 18
		< 42 daN/mm²	Ø 20
	Copper	< 30 daN/mm²	Ø 30
		< 25 daN/mm²	Ø 32
	Aluminum	< 16 daN/mm²	Ø 40

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

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LOCK-PIN
Captive, to close
the head safely.

MCL045G

NEW

HYDRAULIC CABLE-CUTTER
MANUAL GUILLOTINE TYPE

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

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

MAX. DIAMETER
Ø 45 mm
(depending on cables)



***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.

FORCE	130 kN
DIMENSIONS (L × w × h in mm)	680 × 66 × 180
WEIGHT	7.300 kg



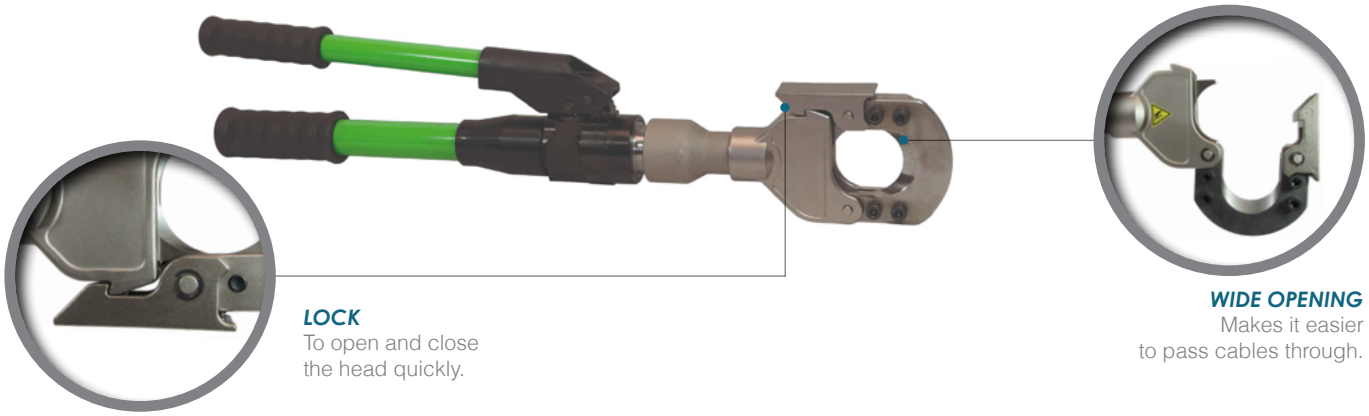
CANVAS BAG – Supplied with the tool.

MAX. CUTTING CAPACITIES

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

	CABLE TYPES	MAX. HARDNESS	max. CUTTING Ø(mm) *
CABLES	Copper	< 40 daN/mm²	Ø 45
	Aluminum	< 20 daN/mm²	Ø 45
	Almelec	< 34 daN/mm²	Ø 45
	Steel	< 180 daN/mm²	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/mm²	Ø 18 (number of strands: 200)
	ACSR	< 180 daN/mm²	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)
			54 × Ø 4.36 + 19 × Ø 2.62 (= Ø 39.20)
	Stainless steel	> **Please contact us.**	
BARS	Steel	< 60 daN/mm²	Ø 20
		< 42 daN/mm²	Ø 22
	Copper	< 30 daN/mm²	Ø 33
		< 25 daN/mm²	Ø 35
	Aluminum	< 16 daN/mm²	Ø 45

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LOCK
To open and close the head quickly.

WIDE OPENING
Makes it easier to pass cables through.

MCL055G

HYDRAULIC CABLE-CUTTER
MANUAL GUILLOTINE TYPE

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

CABLE TYPES
copper and aluminum

MAX. DIAMETER
Ø 55 mm



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.

FORCE	43 kN
DIMENSIONS (L × w × h in mm)	560 × 55 × 140
WEIGHT	5.300 kg



CANVAS BAG – Supplied with the tool.

CUTTING CAPACITIES

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

	CABLE TYPES	MAX. HARDNESS	CROSS-SECTIONS	MAX. CUTTING Ø *
CABLES	Multi-strand copper		4 × 185 mm² or 630 mm² max.	
	Aluminum underground		3 × 240 + 1 × 95 mm²	Ø 51 mm
	Telephone			Ø 55 mm
BARS	Round annealed copper	< 20 daN/mm²		Ø 16-18 mm
	Round annealed aluminum (A5)	< 16 daN/mm²		Ø 20-25 mm

D25– 01/25 – Documentation not contractually binding



MCL065C

NEW

HYDRAULIC CABLE-CUTTER
MANUAL SHEARS TYPE

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

CABLE TYPES
copper and aluminum

MAX. DIAMETER
Ø 65 mm



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.

DIMENSIONS (L × w × h in mm)	700 × 95 × 195
WEIGHT	6.250 kg



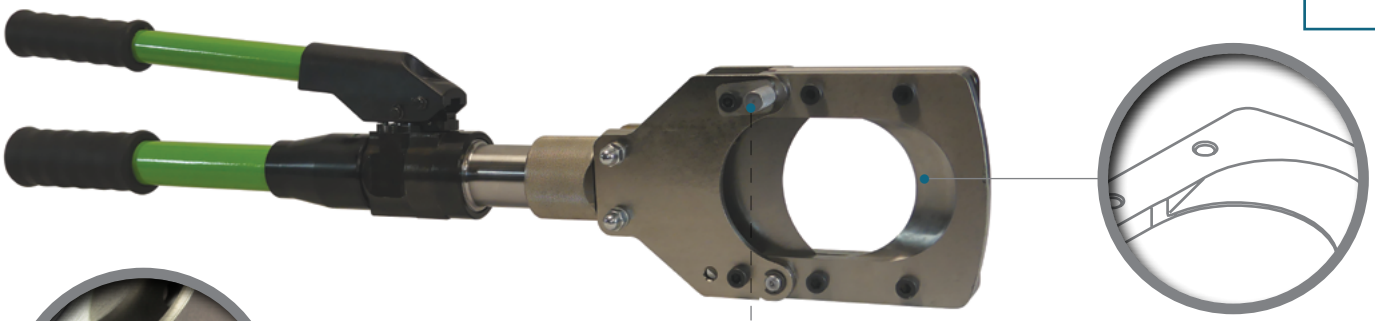
CANVAS BAG – Supplied with the tool.

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.*

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LOCK-PIN
Captive, to close the head safely.

MCL085G

HYDRAULIC CABLE-CUTTER
MANUAL GUILLOTINE TYPE

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

CABLE TYPES
copper and aluminum

MAX. DIAMETER
Ø 85 mm



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.

FORCE	70 kN
DIMENSIONS (L × w × h in mm)	745 × 72 × 190
WEIGHT	7.400 kg



CANVAS BAG – Supplied with the tool.



WIDE OPENING
Makes it easier to pass cables through.

CUTTING CAPACITIES	
CABLE TYPES	**MAX. CABLE Ø***
UNDERGROUND INSULATED ALUMINUM CABLES	3 × 240 mm² + 1 × 95 mm²
	1 × 630 mm² > 800 mm²
COPPER CABLES	630 mm²
TELEPHONE CABLES	Ø 85 mm

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

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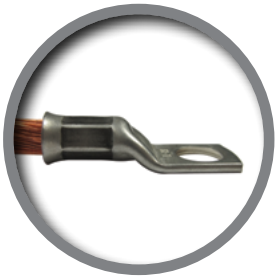


QUICK OPENING & CLOSING
Easy to replace die sets.

MPP031

HYDRAULIC PRESS
FOR MANUAL CRIMPING

HEXAGONAL CRIMPING
4 > 95 mm²



> 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.

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 mm²
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

DIE SETS *– See* ***PAGE 137****.*

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



DIMENSIONS (mm)	350 × 260 × 85
WEIGHT	0.700 kg

> Supplied with the tool.

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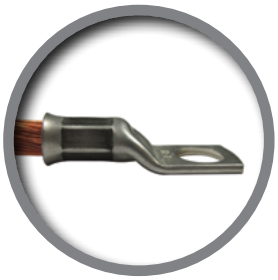
QUICK OPENING & CLOSING
Easy to replace die sets.

MPP036

HYDRAULIC PRESS
FOR MANUAL CRIMPING

> P/N 34914.
Force, stroke and capacities identical to battery-operated tools ***BPE036 & BPL036***.

HEXAGONAL CRIMPING
4 > 150 mm²



THE MOST COMPACT TOOL ON THE MARKET
Ideal for crimping LV/MV lugs.

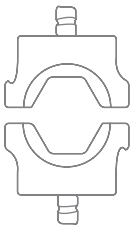
EXTREMELY DURABLE ALUMINUM FORK
Force: 35 kN.

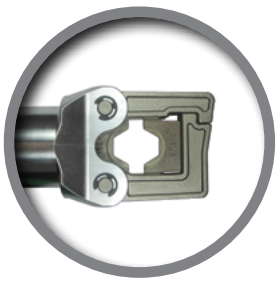
LIGHT & ERGONOMIC
One hand crimping.

Do not use on live cables.

STROKE	8 mm
FORCE	35 kN
DIMENSIONS (L × w × h in mm)	215 × 50 × 175
WEIGHT	1.360 kg

APPLICATIONS	**CROSS-SECTIONS**
Copper lugs and sleeves – NFC 20-130	4 > 150 mm²
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 mm²
Copper lugs and sleeves – NFC 20-130	10 > 95 mm²





DIE SETS – *See* ***PAGE 137***.

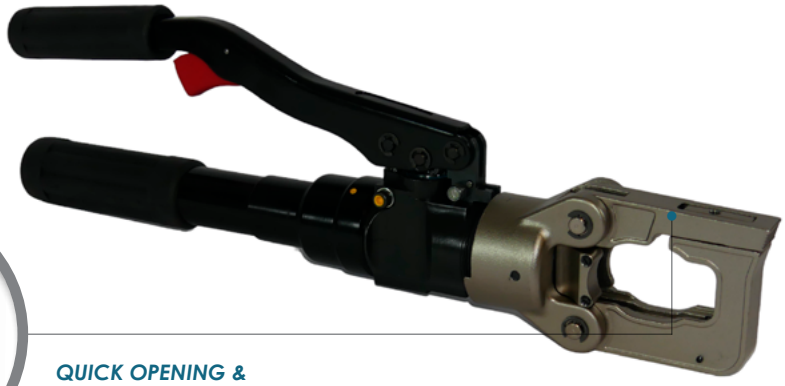
> Common interchangeable die sets for ***MPP36, BPE036 & BPL036*** *tools.*



DIMENSIONS (mm)	350 × 260 × 85
WEIGHT	0.700 kg

> Supplied with the tool.

D25– 01/25 – Documentation not contractually binding





QUICK OPENING & CLOSING
Easy to replace die sets.

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****.*

HEXAGONAL CRIMPING
4 > 240 mm²



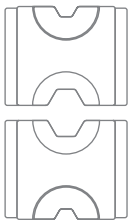
BALL HEAD DOWEL
Can accommodate 38 mm *(DUBUIS)* or 30 mm *(other manufacturers)* wide die sets.

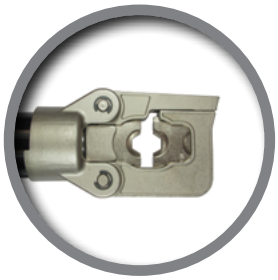
INTERCHANGEABLE DIE SETS
Simple or reversible.

ROTATIVE HEAD
180°.

Do not use on live cables.

STROKE	13 mm
FORCE	55 kN
DIMENSIONS (L × w × h in mm)	380 × 65 × 140
WEIGHT	2.500 kg





APPLICATIONS	CROSS-SECTIONS
Copper lugs and sleeves – NFC 20-130	4 > 240 mm²
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 mm²
Copper lugs and sleeves – NFC 20-130	10 > 120 mm²

DIE SETS *– See* ***PAGE 137****.*

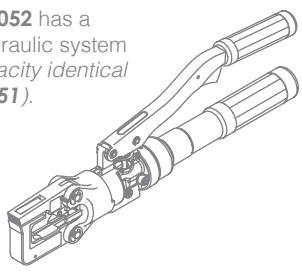
> Common interchangeable die sets for ***MPL051, XD51, BPE055 & BPL055*** *tools.*



DIMENSIONS (mm)	490 × 302 × 90
WEIGHT	1.300 kg

> Tray for 12 die sets.
> Option: P/N PB31866N

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



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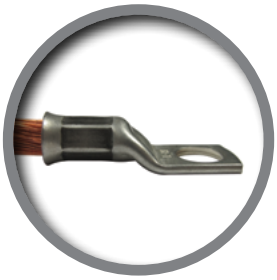
QUICK OPENING & CLOSING
Easy to replace die sets.

SNCF APPROVED
MPL062

HYDRAULIC PRESS
FOR MANUAL CRIMPING

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

HEXAGONAL CRIMPING
6 > 300 mm²



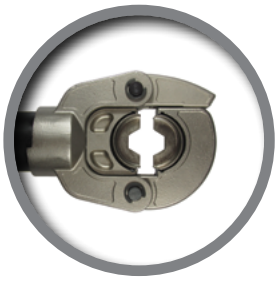
COMPATIBLE DIE SETS
With **80 kN & 130 kN** ranges.

2-SPEED HYDRAULIC SYSTEM
Less pumping action required.

ROTATIVE HEAD
180°.

Do not use on live cables.

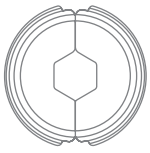
STROKE	16 mm
FORCE	62 kN
DIMENSIONS (L × w × h in mm)	420 × 53 × 150
WEIGHT	2.950 kg



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

***DIE SETS** – See **PAGE 137**.*

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

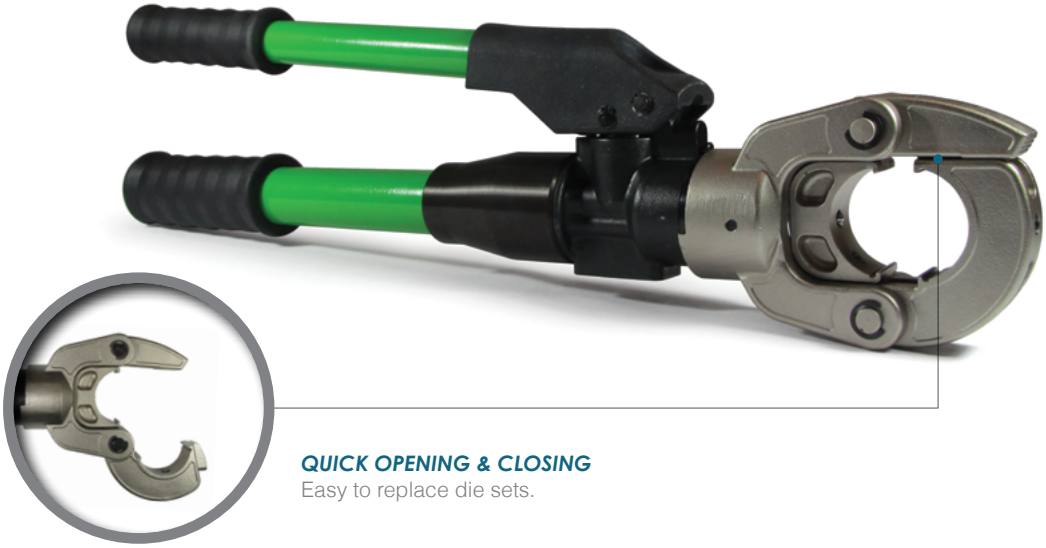




DIMENSIONS (mm)	490 × 302 × 90
WEIGHT	1.300 kg

> *Tray for 7 die sets.*
> *Option: P/N PB31866N*

D25– 01/25 – Documentation not contractually binding



QUICK OPENING & CLOSING
Easy to replace die sets.

MPL080

HYDRAULIC PRESS
FOR MANUAL CRIMPING

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

HEXAGONAL CRIMPING
6 > 300 mm²

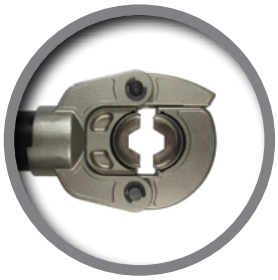


2-SPEED HYDRAULIC SYSTEM
Less pumping action required.

COMPATIBLE DIE SETS
on the **62 kN ranges.**

Do not use on live cables.

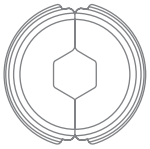
STROKE	13 mm
FORCE	80 kN
DIMENSIONS (L × w × h in mm)	535 × 57 × 175
WEIGHT	4.450 kg



	APPLICATIONS	CROSS-SECTIONS
	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 > E280

DIE SETS *– See* ***PAGE 137****.*

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





DIMENSIONS (mm)	680 × 160 × 430
WEIGHT	3.600 kg

> Tray for 24 die sets.
> Option: P/N 85037

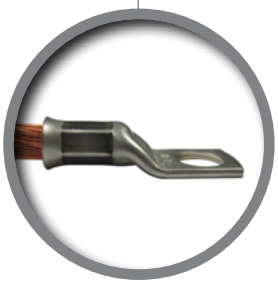
D25 – 01/25 – Documentation not contractually binding



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

ROTATIVE HEAD
360°.





HEXAGONAL CRIMPING
6 > 400 mm²
(depends on the type of tool)

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.

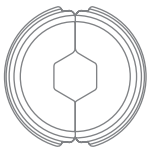
2-SPEED HYDRAULIC SYSTEM
Less pumping action required.

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)**
	Copper lugs and sleeves – NFC 20-130	6 > 300 mm²	6 > 400 mm²	6 > 400 mm²
	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 mm²	50 > 300 mm²	50 > 300 mm²
	Copper lugs and sleeves – NFC 20-130	10 > 240 mm²	10 > 240 mm²	10 > 240 mm²



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*

D25– 01/25 – Documentation not contractually binding







MPL130U

HYDRAULIC HAND TOOL
FOR DEEP INDENTING

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

DEEP INDENTING
16 > 240 mm²

HEXAGONAL CRIMPING
10 > 400 mm²

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.

STROKE	26 mm
MAX. DIAMETER	34 mm
FORCE	130 kN
DIMENSIONS (mm)	560 × 80 × 165
WEIGHT	4.850 kg



SETUP 1
FOR INDENTING APPLICATION

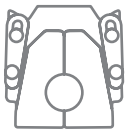
> *See* ***PAGE 146***.



SETUP 2
FOR CRIMPING APPLICATION

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

> *See* ***PAGE 137***.



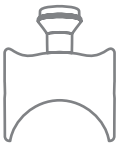
Opening die sets with built-in base



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*

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

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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:

CE UKCA

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NEW

MULTITOOL
HYDRAULIC TOOL



QUICK CONNECTION SYSTEM
FOR ALL HEADS



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





WORK AREA
LIT BY LED



Multitool head change

https://sbd.deephow.ai/p/suJ8uUgSijMiuTY4j7WX

ECO-DESIGN

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

ROBUST

Robust connection system

HANDY, ERGONOMIC

Designed to meet different user constraints

www.dubuis.com

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TYPE MULTITOOL BATTERY-OPERATED HYDRAULIC TOOLS

MULTITOOLS		BPL0631	page 32
		BPP063	page 33
		BPE063	page 34

MULTITOOL HEADS		XPM062	page 35		XPM130D	page 44
		XGM025	page 36		XDM041	page 45
		XCM050	page 37		XCMNUT	page 46
		XHM062	page 38		XGMTRC	page 47
		XCMDIN	page 39		XGMCAT	page 48
		XCMSTRU	page 40		XCMTRAY	page 49
		XCM008	page 41			
		XPM061	page 42			
		XPM060F	page 43			

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MULTITOOLS

https://sbd.deephow.ai/p/f96wmmkeQqIv7BgAN5BY

Multitool inline BPL063





NEOELEC™

BPL0631

NEW

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.

FORCE	62 kN
STOKE	38 mm
DIMENSIONS (L × w × h in mm. without head, with 2.0 Ah battery)	350 × 100 × 130
WEIGHT (with 5.0 Ah battery, without head)	2.650 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

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)	440 × 333 × 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).



D25 – 01/25 – Documentation not contractually binding

https://sbd.deephow.ai/p/NjbyFKCI6DIkY8vUsrRs

BPP063 Multitool cut and crimp





NEOELEC™

BPP063

NEW

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.

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/s²

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).



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NEOELEC™

BPE063

NEW

MULTITOOL, MINI-PISTOL
WITH 18 V BATTERY

> 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

FORCE	62 kN
STOKE	38 mm
DIMENSIONS (L × w × h in mm. without head, with 2.0 Ah battery)	280 x 75 x 230
WEIGHT (with 2.0 Ah battery, without head)	2.950 kg
ACOUSTIC POWER LEVEL (LwA)	74.9 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

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 × 440 × 130
WEIGHT	2.300 kg

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

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

D25 – 01/25 – Documentation not contractually binding

MULTITOOL HEADS



LOCK
To open and close the head quickly.

XPM062

NEW

MULTITOOL HYDRAULIC HEAD
FOR CRIMPING

*> 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.

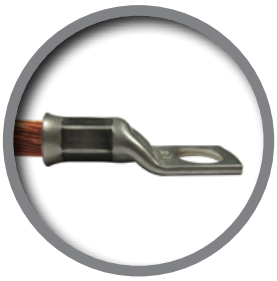
COMPATIBLE DIE SETS
62 kN die set.

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

ROTATIVE HEAD
360°, with quick head change.

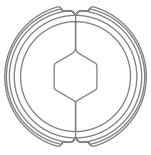
Do not use on live cables.

HEXAGONAL CRIMPING
6 > 300 mm²

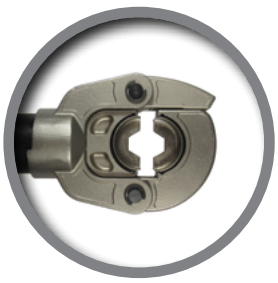


STROKE	16 mm
FORCE	62 kN
DIMENSIONS (L × w × h in mm)	170 × 100 × 56
WEIGHT	1.800 kg

APPLICATIONS	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 mm²
Bare or pre-insulated copper or aluminum sleeves	E54 > E260



Die sets
6 > 300 mm²



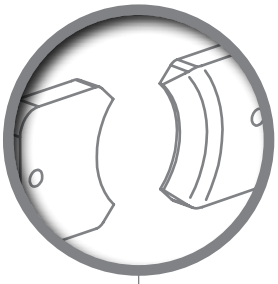
DIE SETS *– See **PAGE 137**.*

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

D25– 01/25 – Documentation not contractually binding



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.***

CABLE TYPES
copper, aluminum and steel

MAX. DIAMETER
Ø 25 mm
(depending on cables)



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.

DIMENSIONS (L x w x h in mm)	184 x 85 x 55
WEIGHT	1.950 kg

PROTECTION KIT
> Optional.

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

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

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GUIDING SHOE
Avoids gap between blades.



TAPERED BLADES
Ideal for cutting fine multi-strand cables.





XCM050

NEW

MULTITOOL HYDRAULIC HEAD
SHEARS-TYPE CABLE-CUTTER

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



CABLE TYPES
copper and aluminum

MAX. DIAMETER
Ø 50.8 mm (2 inches)

NO CABLE CUTTING
steel, stainless steel, ACSR

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.

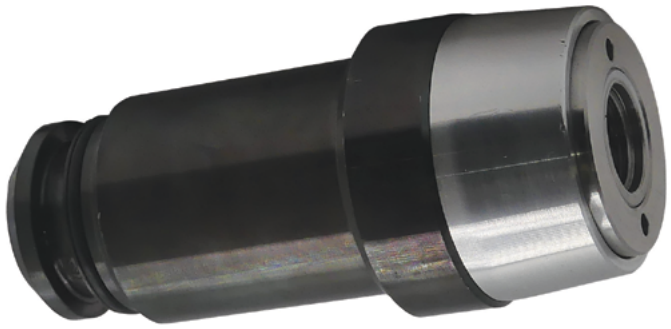
Do not use on live cables.

DIMENSIONS (L x w x h in mm)	275 x 66 x 125
WEIGHT	2.350 kg

	CABLE TYPE *
ALUMINUM CABLES	3 x 185 mm² + 1 x 70 mm² with shielding
	3 x 185 mm² + 1 x 70 mm² solid with shielding
COPPER CABLES	4 x 70 mm² with shielding
	3 x 150 mm²
	2 x 185 mm²

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

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XHM062

NEW

MULTITOOL HYDRAULIC HEAD
PUNCHING TYPE

STROKE	21 mm
FORCE	62 kN
DIMENSIONS (L x w x h in mm)	120 x 54 x 54
WEIGHT	1.000 kg

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	from 12.7 x12.7 to 50.8 x 50.8

** for cutting polygons, connectors, locks, keys...*
Contact us for other cross-sections.

PUNCH	DIE SET	DIAMETER
HGREPOIN15.2	HGREMATR15.2	Ø 15.2
HGREPOIN16.2	HGREMATR16.2	Ø 16.2
HGREPOIN18.6	HGREMATR18.6	Ø 18.6
HGREPOIN19.1	HGREMATR19.1	Ø 19.1
HGREPOIN20.4	HGREMATR20.4	Ø 20.4
HGREPOIN22.5	HGREMATR22.5	Ø 22.5
HGREPOIN25.4	HGREMATR25.4	Ø 25.4
HGREPOIN28.3	HGREMATR28.3	Ø 28.3
HGREPOIN34.6	HGREMATR34.6	Ø 34.6
HGREPOIN37	HGREMATR37	Ø 37
HGREPOIN38.1	HGREMATR38.1	Ø 38.1
HGREPOIN40.5	HGREMATR40.5	Ø 40.5
HGREPOIN44.5	HGREMATR44.5	Ø 44.5
HGREPOIN47	HGREMATR47	Ø 47
HGREPOIN54	HGREMATR54	Ø 54
HGREPOIN60	HGREMATR60	Ø 60.
HGREPOIN63.5	HGREMATR63.5	Ø 63.5
HGREPOIN82	HGREMATR82	Ø 82

reference for steel and aluminum

PUNCH
(for stainless steel, please contact us)



MOUNTING SCREW

Ø	length	ref
9.5	67	30199
11	103	95446
19	137	30198

To be used with bushing 30155 and 30129

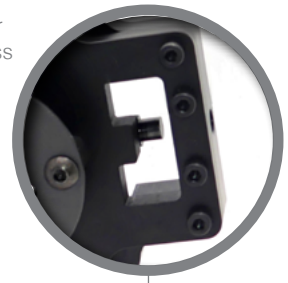
DIE SET
corresponding to punch.

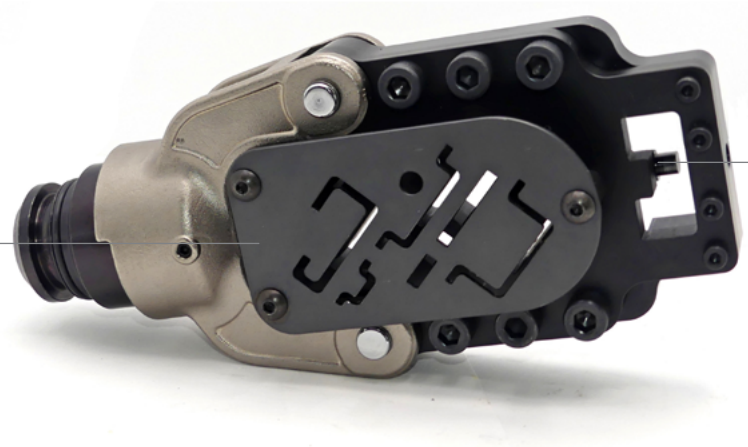
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MULTI-IMPRINT
With just one head, a multitude of standard rails can be cut.



INDENTOR
Oblong punch for M6 screws to pass through.





XCMDIN

NEW

MULTITOOL HYDRAULIC HEAD
DIN RAIL CUTTING TYPE

DIMENSIONS (L x w x h in mm)	220 x 55 x 100
WEIGHT	2.700 kg

NEW HEAD
Integrated punch.

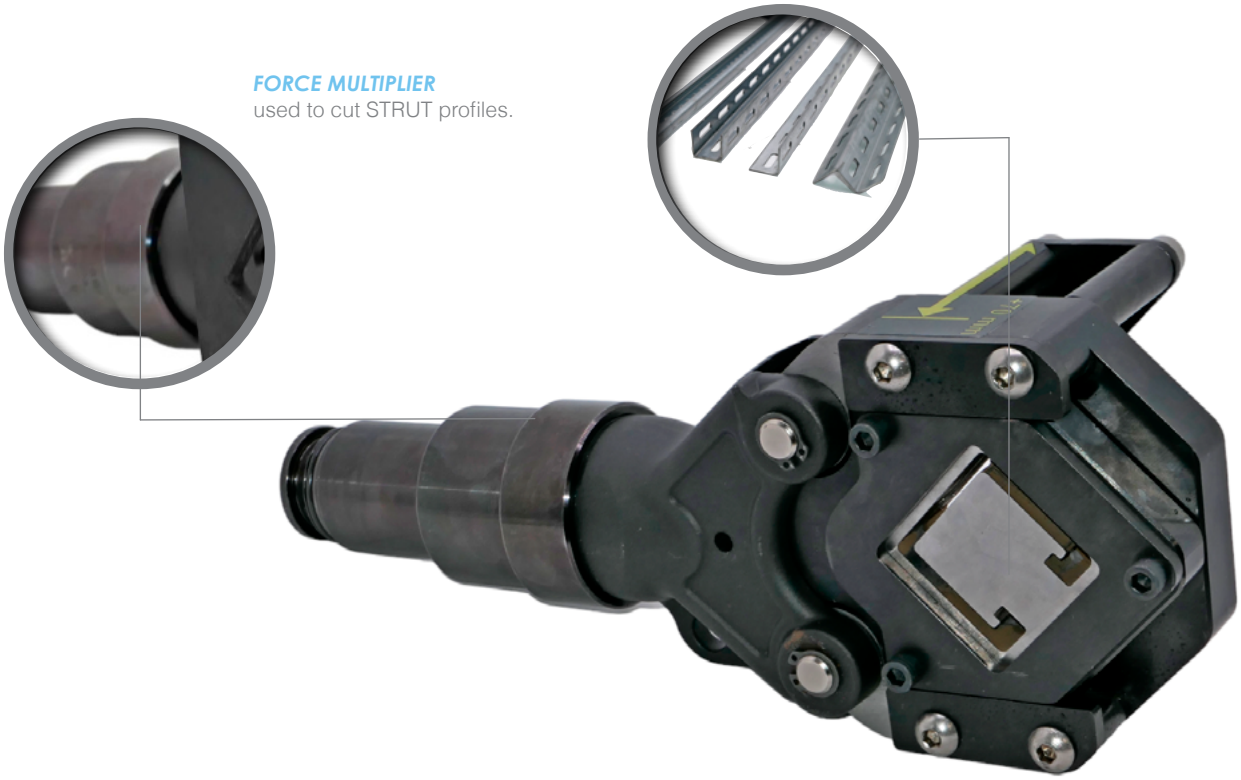
ROBUST
Suitable for working in the field, robust connection.

DESIGNED FOR PUNCHING:

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

** does not cut stainless steel*

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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

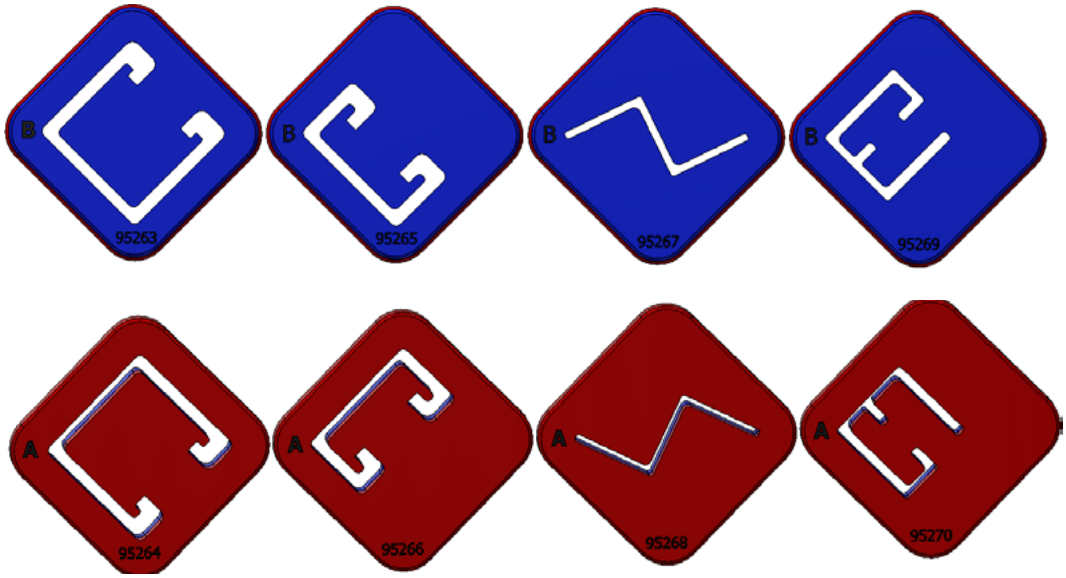
ROBUST
Suitable for working in the field, robust connection.

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*





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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

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XPM061

NEW "C" HEAD

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 mm².

ROTATIVE HEAD
270°.

NARROW HEAD
To work in switchboards.

INTERCHANGEABLE DIE SETS

Do not use on live cables.

HEXAGONAL CRIMPING
10 to185 mm² Al
6 to 240 mm² Cu



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



DIE SETS – *See* ***PAGE 146****.*

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

APPLICATIONS	CROSS-SECTIONS
Copper/aluminum lugs and sleeves – DIN 48083	KZ5 > KZ28
Pre-rounding	10 > 240 mm²

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XPM060F

NEW

MULTITOOL HYDRAULIC HEAD
DIELESS CRIMPING TYPE CLOSED HEAD

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

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



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.

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



LOCK-PIN
Captive, to close
the head safely.

XPM130D

NEW

MULTITOOL HYDRAULIC HEAD
FOR CRIMPING

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

HEXAGONAL CRIMPING
6 > 400 mm²



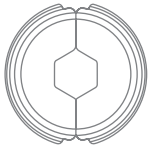
COMPATIBLE DIE SETS
62 kN, 80 KN & 130 kN ranges.

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 mm² copper)	50 crimps
DIMENSIONS (L × w× h in mm)	250 × 65 × 120
WEIGHT	3.500 kg



Die sets
6 > 400 mm²



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 mm²
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 mm²
Copper lugs and sleeves – NFC 20-130	10 > 240 mm²

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XDM041

NEW

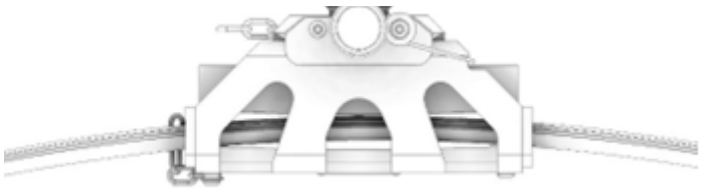
MULTITOOL HYDRAULIC HEAD
HYDRAULIC KINK REMOVER

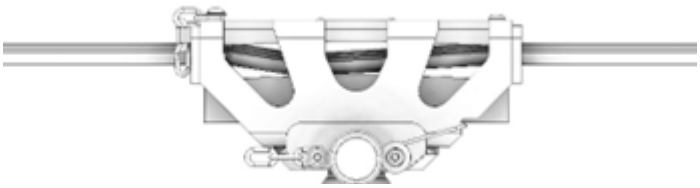
ROBUST
Suitable for working in the field, robust connection.

ROTATIVE HEADS
360°.

Do not use on live cables.

FORCE	40 kN
DIMENSIONS (L x wx h in mm)	190 x 213 x 182
WEIGHT	4.100 kg
STRAIGHTENING CAPACITIES	107-150 mm²





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XCMNUT

NEW

MULTITOOL HYDRAULIC HEAD
NUT-BREAKER

ROBUST BLADE
Replaceable in just a few seconds.

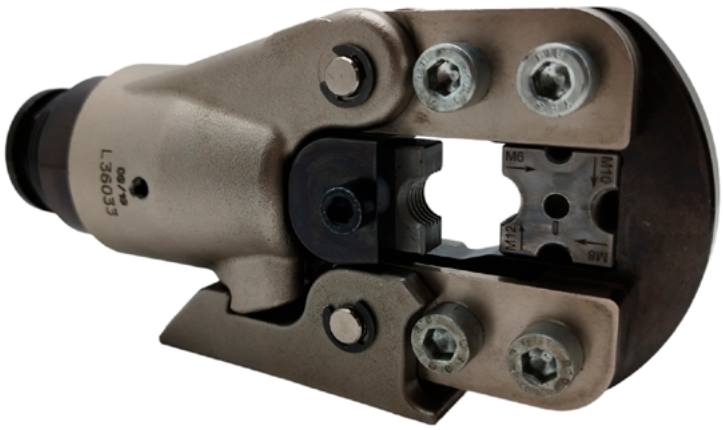
ROBUST HEAD
Suitable for working in the field, robust connection.

ROTATIVE HEAD
360°, with quick head change.

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

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

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XGMTRC

NEW

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.

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

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XGMCAT

NEW

MULTITOOL HYDRAULIC HEAD
CATENARY CUTTER

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.

STROKE	27 mm
FORCE	60 kN
DIMENSIONS (L x w x h in mm)	184 x 84 x 79
WEIGHT	2.300 kg
CUTTING CAPACITY (Cu, CuAg, CuSn)	107,120 and 150 mm²

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XCMTRAY

NOUVEAUTÉ

MULTITOOL HYDRAULIC HEAD
CABLE TRAY CUTTER

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



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① 

AUTOMATIC RETURN AT THE END OF THE CYCLE

⑥ 

HANDLING RING FOR CARRYING STRAP OR SAFETY CABLE

② 

MANUAL DECOMPRESSION VIA CONTROL BUTTON



⑤ 

LED LIGHTING OF THE WORK AREA

③ 

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

④ 

LIGHT & COMPACT

LIGHT, COMPACT

270 x 75 x 245 mm
2.460 kg
*(for tool **BPE036**)*

EASY TO USE

No electronic management

HANDY, ERGONOMIC

Balanced design.

www.dubuis.com

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NEOELEC™
BATTERY-OPERATED HYDRAULIC TOOLS
TYPE MINI-PISTOL

CABLE CUTTER		BCE025G	page 52
		BCE035C	page 53
CRIMPING PRESSES		BPE031	page 54
		BPE036	page 55
		BPE055	page 80
		BPE060F	page 57
		BPE061	page 58
		BPE062	page 59
		BPE130	page 60

D25– 01/25 – Documentation not contractually binding



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/s²

Do not use on live cables.

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

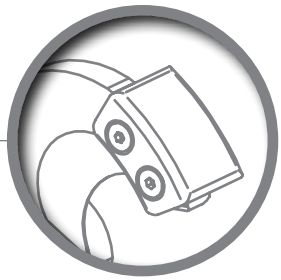
> Accessories NEOELEC™
*See **PAGE 98**.*

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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

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 × w × h in mm)	345 × 80 × 285
WEIGHT (with battery)	3.400 kg
ACOUSTIC POWER LEVEL (LwA)	74.9 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

MAX. CUTTING CAPACITIES	*Cutting tests possible.*
SEMI-RIGID MULTISTRAND CU CABLE	240 mm²
FLEXIBLE MULTISTRAND CU CABLE (very fine strands)	Ø 35 mm - 300 mm²
MULTISTRAND ALUMINUM CABLE	Ø 35 mm
TELEPHONE CABLE	Ø 35 mm

Does not cut bars or steel-reinforced cables.



DIMENSIONS (mm)	520 × 440 × 130
WEIGHT	2.300 kg

> Case and charger supplied with the tool.

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

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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 mm².

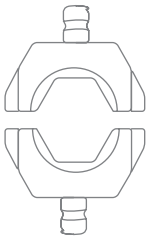
ROTATIVE HEAD
180°.

Do not use on live cables.

HEXAGONAL CRIMPING
4 > 95 mm²



STROKE	8 mm
FORCE	35 kN
CRIMPING TIME (depends on cross-section to be crimped)	3 to 4 s
BATTERY LIFE (approx. On 95 mm² copper)	270 crimps
DIMENSIONS (L × w× h in mm)	260 × 60 × 240
WEIGHT (with battery)	2.360 kg
ACOUSTIC POWER LEVEL (LwA)	74.9 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²





DIE SETS – *See **PAGE 137**.*

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

APPLICATIONS	CROSS-SECTIONS
Copper lugs and sleeves – NFC 20-130	4 > 95 mm²
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 mm²



DIMENSIONS (mm)	520 × 440 × 130
WEIGHT	2.300 kg

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

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QUICK OPENING & CLOSING
Easy to replace die sets.



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****.*

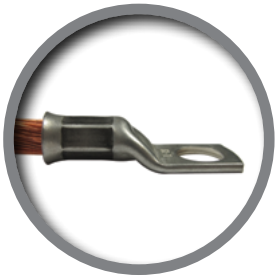
EXTREMELY DURABLE ALUMINUM FORK
Force 35 kN.

EXCELLENT WEIGHT-TO-CAPACITY RATIO
2.460 kg – 35 kN – 150 mm².

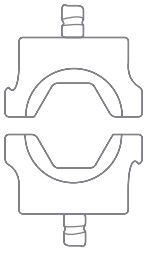
ROTATIVE HEAD
180°.

Do not use on live cables.

HEXAGONAL CRIMPING
4 > 150 mm²



STROKE	8 mm
FORCE	35 kN
CRIMPING TIME (depends on cross-section to be crimped)	3 to 4 s
BATTERY LIFE (approx. on 120 mm² copper)	260 crimps
DIMENSIONS (L × w× h in mm)	260 × 60 × 265
WEIGHT (with battery)	2.460 kg
ACOUSTIC POWER LEVEL (LwA)	74.9 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²





	APPLICATIONS	CROSS-SECTIONS
	Copper lugs and sleeves – NFC 20-130	4 > 150 mm²
	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 mm²
	Copper lugs and sleeves – NFC 20-130	10 > 95 mm²

DIE SETS *– See* ***PAGE 137****.*

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

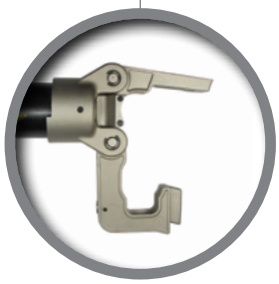


DIMENSIONS (mm)	520 × 440 × 130
WEIGHT	2.300 kg

> *Case and charger supplied with the tool.*

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

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QUICK OPENING & CLOSING
Easy to replace die sets.



HEXAGONAL CRIMPING
4 > 240 mm²



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**.*

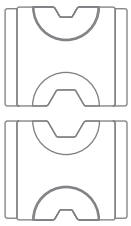
STROKE	13 mm
FORCE	55 kN
CRIMPING TIME (depends on cross-section to be crimped)	3 to 5 s
BATTERY LIFE (approx. On 185 mm² copper)	220 crimps
DIMENSIONS (L × w× h in mm)	285 × 60 × 270
WEIGHT (with battery)	3.150 kg
ACOUSTIC POWER LEVEL (LwA)	74.9 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

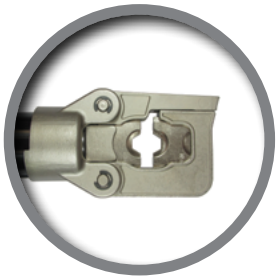
BALL HEAD DOWEL
Can accommodate 38 mm *(DUBUIS)* or 30 mm *(other manufacturers)* wide die sets.

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.*

APPLICATIONS	CROSS-SECTIONS
Copper lugs and sleeves – NFC 20-130	4 > 240 mm²
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 mm²
Copper lugs and sleeves – NFC 20-130	10 > 120 mm²



DIMENSIONS (mm)	520 × 440 × 130
WEIGHT	2.300 kg

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

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* ***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.

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 mm²))	
DIMENSIONS (L x w x h in mm)	390 x 75 x 300
WEIGHT (with battery)	4.750 kg
ACOUSTIC POWER LEVEL (LwA)	74.9 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

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



DIMENSIONS (mm)	520 × 440 × 130
WEIGHT	2.300 kg

> *Case and charger supplied with the tool.*

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

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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 mm².

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 to185 mm² Al
6 to 240mm² Cu



STROKE	18 mm
FORCE	62 kN
CRIMPING TIME (depends on cross-section to be crimped)	4 to 7 seconds
BATTERY LIFE (approx. on 185 mm²)	200 crimps
DIMENSIONS (L × w × h in mm)	265 × 75 × 305
WEIGHT (with battery)	3.500 kg
ACOUSTIC POWER LEVEL (LwA)	74.9 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

APPLICATIONS	**CROSS-SECTIONS**
Copper/aluminum lugs and sleeves – DIN 48083	KZ5 > KZ28
Pre-rounding	10 > 240 mm²



DIMENSIONS (mm)	471 × 415 × 116
WEIGHT (empty)	2.050 kg

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

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QUICK OPENING & CLOSING
Easy to replace die sets.





NEOELEC™

BPE062

HYDRAULIC CRIMPING PRESS
BATTERY-OPERATED MINI-PISTOL TYPE

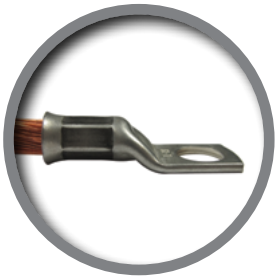
*> Force, stroke and capacities identical to manual tools **MPL062, XD62** and to battery-operated tools **BPL062 & BPP062**.*

COMPATIBLE DIE SETS
62 kN die sets.

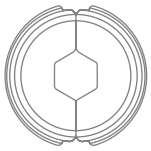
ROTATIVE HEAD
340°.

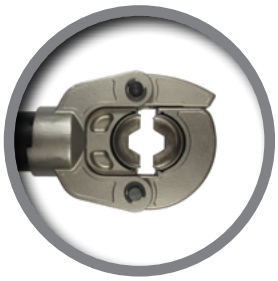
Do not use on live cables.

HEXAGONAL CRIMPING
6 > 300 mm²



STROKE	16 mm
FORCE	62 kN
CRIMPING TIME (depends on cross-section to be crimped)	3 to 5 s
BATTERY LIFE (approx. on 185 mm² copper)	220 crimps
DIMENSIONS (L × w× h in mm)	290 × 60 × 285
WEIGHT (with battery)	3.550 kg
ACOUSTIC POWER LEVEL (LwA)	74.9 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²





DIE SETS – *See **PAGE 137**.*

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

APPLICATIONS	CROSS-SECTIONS
Copper lugs and sleeves – NFC 20-130	6 > 300 mm²
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 mm²



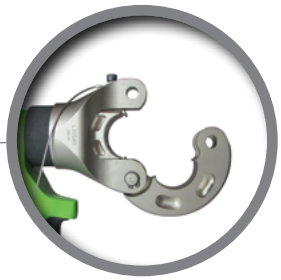
DIMENSIONS (mm)	520 × 440 × 130
WEIGHT	2.300 kg

> Case and charger supplied with the tool.

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

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QUICK OPENING & CLOSING
Easy to replace die sets and pass lugs through

LOCK-PIN
Captive, to close the head safely.

HEXAGONAL CRIMPING
6 > 400 mm²



NEOELEC™

BPE130

HYDRAULIC CRIMPING PRESS
BATTERY-OPERATED MINI-PISTOL TYPE

> *Force, stroke and capacities identical to tools* ***BPP130D, BPP1303, XC130-3, XPM130D, BPE130D****.*

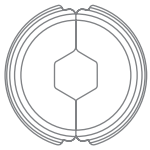
EXCELLENT WEIGHT-TO-CAPACITY RATIO
From 6 to 400 mm².

HIGHLY RESISTANT HEAD
130 kN

ROTATIVE HEAD
360°.

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 mm² copper)	50 crimps
DIMENSIONS (L x wx h in mm)	310 x 65 x 300
WEIGHT (with battery)	4.680 kg
ACOUSTIC POWER LEVEL (LwA)	74.9 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²





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

APPLICATIONS	CROSS-SECTIONS
Copper lugs and sleeves – NFC 20-130	6 > 400 mm²
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 mm²
Copper lugs and sleeves – NFC 20-130	10 > 240 mm²



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

> *Case and charger supplied with the tool.*

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

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

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① 

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

⑥ 

ON/ADVANCE TRIGGER

② 

ROBUST PLASTIC HOUSING WITH NON-SLIP COATING



⑤ 

RELEASE TRIGGER

③ 

USB CONNECTION DEDICATED SOFTWARE FOR ANALYSIS & PREVENTIVE MAINTENANCE

④ 

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.

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NEOELEC™
BATTERY-OPERATED HYDRAULIC TOOLS
TYPE INLINE

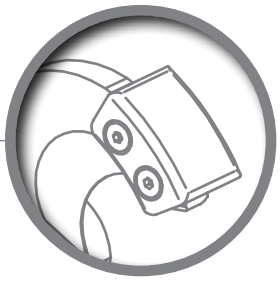
CABLE CUTTER		BCL020C	page 64
		BCL025G	page 65
		BCL035C	page 66
		BCL050C	page 67
		BCLSTRU	page 68
		BCLTRAY	page 69
CRIMPING PRESSES		BPL031	page 70
		BPL036	page 71
		BPL055	page 72
		BPL060F	page 73
		BPL061	page 74
		BPL062	page 75

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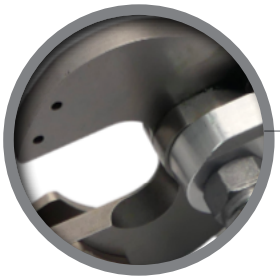
HANDLE
Ideally located center of gravity.
Double-control safety switch.







GUIDING SHOE
Avoids gap
between blades.



REINFORCED BLADES
Ideal for cutting tubes.

NEOELEC™

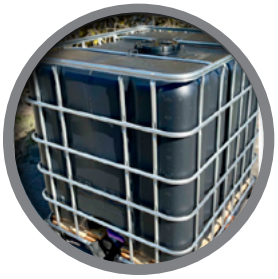
BCL020C

NOUVEAUTÉ

HYDRAULIC CABLE-CUTTER
BATTERY-OPERATED SHEARS TYPE

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 × w × h in mm)	450 × 235 × 225
WEIGHT (with battery)	4.000 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²



DIMENSIONS (mm)	554 × 371 × 308
WEIGHT	4.60 kg

> Case and charger supplied with the tool.

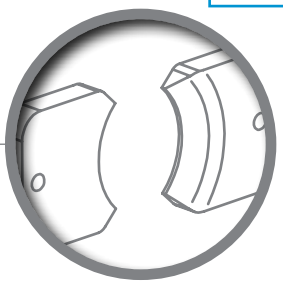
> Accessories NEOELEC™
*See **PAGE 98**.*

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LOCK
To open and close the head quickly.





CABLE TYPES
copper, aluminum and steel

MAX. DIAMETER
Ø 25 mm
(depending on cables)



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.

FORCE	55 kN
CUTTING TIME	8 to 12 s
BATTERY LIFE – DEPENDS ON THE MATERIAL	
DIMENSIONS (L × w × h in mm)	400 x 128 × 75
WEIGHT (with battery)	3.300 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

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

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



DIMENSIONS (mm)	471 × 415 × 116
WEIGHT	2.050 kg

> Case and charger supplied with the tool.

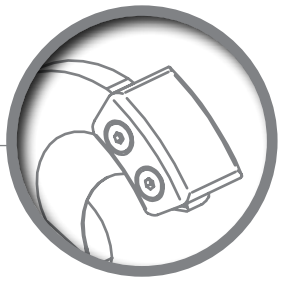
> Accessories NEOELEC™
*See **PAGE 98**.*

D25– 01/25 – Documentation not contractually binding



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

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.

FORCE (on the piston)	43 kN
CUTTING TIME	8 to 12 s
BATTERY LIFE – DEPENDS ON THE MATERIAL	
DIMENSIONS (L × w × h in mm)	445 × 78 × 107
WEIGHT (with battery)	3.300 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

MAX. CUTTING CAPACITIES	*Cutting tests possible.*
SEMI-RIGID MULTISTRAND CU CABLE	240 mm²
FLEXIBLE MULTISTRAND CU CABLE (very fine strands)	Ø 35 mm – 300 mm²
MULTISTRAND ALUMINUM CABLE	Ø 35 mm
TELEPHONE CABLE	Ø 35 mm

Does not cut bars or steel-reinforced cables.



DIMENSIONS (mm)	555 × 375 × 180
WEIGHT	3.900 kg

> Case and charger supplied with the tool.

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

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GUIDING SHOE
Avoids gap
between blades





TAPERED BLADES
Ideal for cutting fine
multi-strand cables.

NEOELEC™

BCL050C

NEW

HYDRAULIC CABLE-CUTTER
BATTERY-OPERATED SHEARS TYPE



CABLE TYPES
copper and aluminum

MAX. DIAMETER
Ø 50.8 mm (2 inches)

DOES NOT CUT
stainless steel or ACSR cables

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 × w × h in mm)	515 × 75 × 140
WEIGHT (with battery)	3.600 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

	CABLE TYPES*
ALUMINUM CABLES	3 x 185 mm² + 1 x 70 mm² with shielding
	3 x 185 mm² + 1 x 70 mm² solid with shielding
COPPER CABLES	4 x 70 mm² with shielding
	3 x 150 mm²
	2 x 185 mm²

** Non-exhaustive examples.*
Other dimensions and cables to be validated by testing.



DIMENSIONS (mm)	555 × 375 × 180
WEIGHT (empty)	3.900 kg

> Case and charger supplied with the tool.

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

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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.

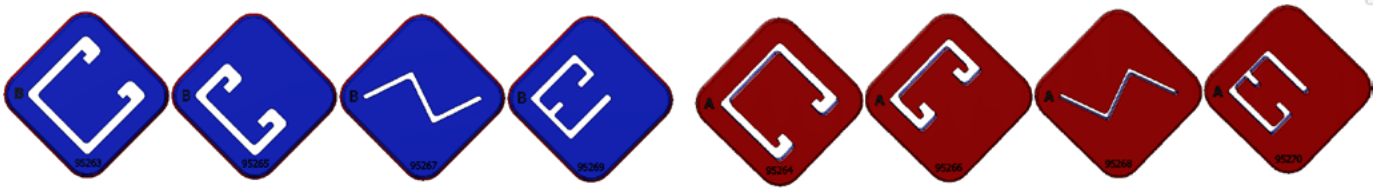
IDENTICAL & INTERCHANGEABLE BLADES
Easy to replace and use.
P/N 95263+95264 : 41x41 (deliver with the tool)
P/N 95265+95266 : 21x21 (option)
P/N 95267+95268 : Z profil (option)
P/N 95269+95270 : L profil 24x24 + TELEX 30 profil + U 24x24x24 (option)
** does not cut stainless steel*

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 × w × h in mm)	520 × 100 × 115
WEIGHT (with battery)	3.300 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²





DIMENSIONS (mm)	555 × 375 × 180
WEIGHT	3.900 kg

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

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INTERCHANGEABLES BLADES

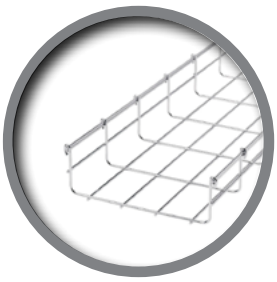
NEOELEC™

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 × w × h in mm)	515 × 75 × 140
WEIGHT (with battery)	3.550 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

Do not use on live tray.



DIMENSIONS (mm)	555 × 375 × 180
WEIGHT (empty)	3.900 kg

> Case and charger supplied with the tool.

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

D25– 01/25 – Documentation not contractually binding



QUICK OPENING & CLOSING
Easy to replace die sets.



HEXAGONAL CRIMPING
4 > 95 mm²



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 mm².

ROTATIVE HEAD
180°.

Do not use on live cables.

STROKE	8 mm
FORCE	35 kN
CRIMPING TIME (depends on cross-section to be crimped)	3 to 4 s
BATTERY LIFE (approx. on 95 mm² copper)	270 crimps
DIMENSIONS (L × w × h in mm)	340 × 75 × 128
WEIGHT (with battery)	2.100 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²





DIE SETS – *See* **PAGE 137**.

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

APPLICATIONS	CROSS-SECTIONS
Copper lugs and sleeves – NFC 20-130	4 > 95 mm²
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



DIMENSIONS (mm)	471 × 415 × 116
WEIGHT	2.050 kg

> Case and charger supplied with the tool.

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

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QUICK OPENING & CLOSING
Easy to replace die sets.



HEXAGONAL CRIMPING
4 > 150 mm²



NEOELEC™
BPL036

BATTERY-OPERATED HYDRAULIC **CRIMPING PRESS**

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

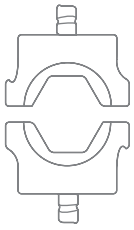
STROKE	8 mm
FORCE	35 kN
CRIMPING TIME (depends on cross-section to be crimped)	3 to 4 s
BATTERY LIFE (approx. on 120 mm² copper)	260 crimps
DIMENSIONS (L × w × h in mm)	355 × 75 × 128
WEIGHT (with battery)	2.150 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

EXTREMELY DURABLE ALUMINUM FORK
Force 35 kN.

EXCELLENT WEIGHT-TO-CAPACITY RATIO
2.200 kg – 35 kN – 150 mm².

ROTATIVE HEAD
180°.

Do not use on live cables.





DIE SETS – *See **PAGE 137**.*

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

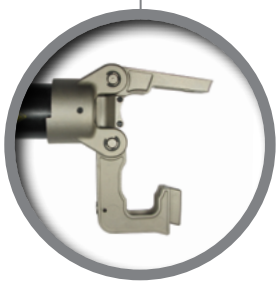
APPLICATIONS	CROSS-SECTIONS
Copper lugs and sleeves – NFC 20-130	4 > 150 mm²
Bare or pre-insulated copper/alu. sleeves – EDF	E54 > E215
Copper/aluminum lugs and sleeves – DIN 48083	KZ4 > KZ22
"C" connectors	C6 > C16
Pre-rounding	10 > 120 mm²
Copper lugs and sleeves – NFC 20-130	10 > 95 mm²



DIMENSIONS (mm)	471 × 415 × 116
WEIGHT	2.050 kg

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

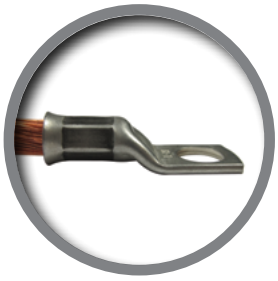
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QUICK OPENING & CLOSING
Easy to replace die sets.



HEXAGONAL CRIMPING
4 > 240 mm²



NEOELEC™
BPL055

BATTERY-OPERATED HYDRAULIC **CRIMPING PRESS**

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

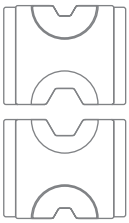
BALL HEAD DOWEL
Can accommodate 38 mm *(DUBUIS)* or 30 mm *(other manufacturers)* wide die sets.

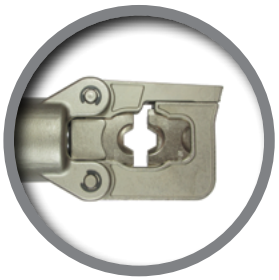
INTERCHANGEABLE DIE SETS
Simple or reversible.

ROTATIVE HEAD
180°.

Do not use on live cables.

STROKE	13 mm
FORCE	55 kN
CRIMPING TIME (depends on cross-section to be crimped)	3 to 5 s
BATTERY LIFE (approx. on 185 mm² copper)	220 crimps
DIMENSIONS (L × w× H in mm)	390 × 75 × 128
WEIGHT (with battery)	2.900 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²





APPLICATIONS	CROSS-SECTIONS
Copper lugs and sleeves – NFC 20-130	4 > 240 mm²
Copper/aluminum lugs and sleeves – DIN 48083	KZ6 > KZ32
C-shaped connectors	C6 > C35
Pre-rounding	6 > 240 mm²
Bare or pre-insulated copper/aluminum sleeves	E54 > E215

***DIE SETS** – See **PAGE 137**.*

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



DIMENSIONS (mm)	471 × 415 × 116
WEIGHT	2.050 kg

> Case and charger supplied with the tool.

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

D25 – 01/25 – Documentation not contractually binding





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



NEOELEC™

BPL060F

NEW

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.

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 mm²))	
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/s²



DIMENSIONS (mm)	555 × 375 × 180
WEIGHT	3.900 kg

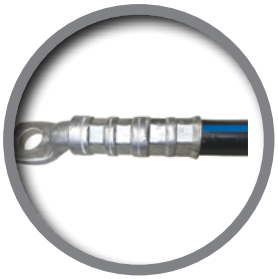
> *Case and charger supplied with the tool.*
> *Accessories* NEOELEC™ *See **PAGE 98**.*

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HEXAGONAL CRIMPING
10 to 185 mm² Al
6 to 240 mm² Cu



NEOELEC™
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 mm².

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.

STROKE	18 mm
FORCE	62 kN
CRIMPING TIME (depends on cross-section to be crimped)	4 to 7 seconds
BATTERY LIFE (approx. on 185 mm²)	200 crimps
DIMENSIONS (L x w x h in mm)	390 x 75 x 128
WEIGHT (with battery)	3.350 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

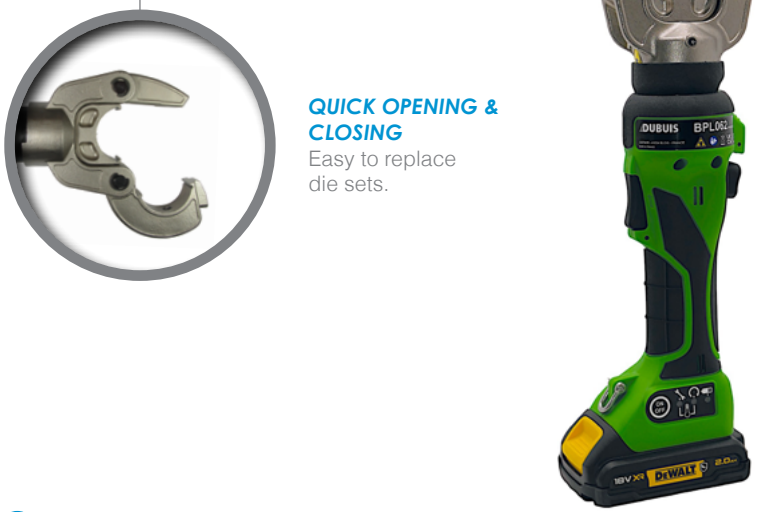
APPLICATIONS	**CROSS-SECTIONS**
Copper/aluminum lugs and sleeves – DIN 48083	KZ5 > KZ28
Pre-rounding	10 > 240 mm²



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

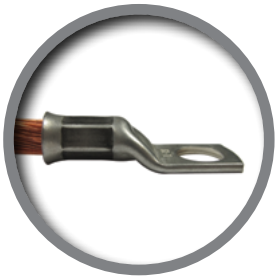
> *Case and charger supplied with the tool.*
> *Accessories NEOELEC™ See **PAGE 98**.*

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QUICK OPENING & CLOSING
Easy to replace die sets.

HEXAGONAL CRIMPING
6 > 300 mm²



NEOELEC™

BPL062

BATTERY-OPERATED HYDRAULIC **CRIMPING PRESS**

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

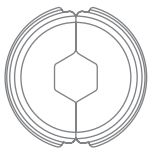
VERY LIGHT HEAD
Excellent weight-to-capacity ratio.

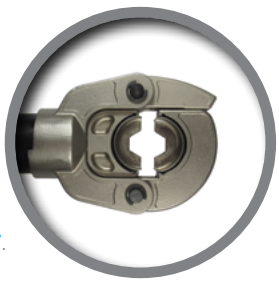
COMPATIBLE DIE SETS
62 kN die sets.

ROTATIVE HEAD
180°.

Do not use on live cables.

STROKE	16 mm
FORCE	62 kN
CRIMPING TIME (depends on cross-section to be crimped)	3 to 5 s
BATTERY LIFE (approx. on 185 mm² copper)	220 crimps
DIMENSIONS (L x w x h in mm)	395 × 75 × 128
WEIGHT (with battery)	3.300 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²





62 KN DIE SETS – *See* ***PAGE 137***.

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

	APPLICATIONS	**CROSS-SECTIONS**
	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



DIMENSIONS (mm)	471 × 415 × 116
WEIGHT	2.050 kg

> *Case and charger supplied with the tool.*

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

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① 

LED LIGHTING OF THE WORK AREA

⑦ 

SAFETY LOCKING

② 

ROBUST PLASTIC HOUSING WITH NON-SLIP COATING



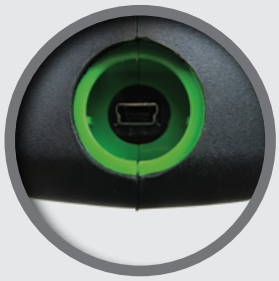
⑤ & ⑥ 

DUAL ROCKING TRIGGER SYSTEM:

⑤ ON/ADVANCE TRIGGER
⑥ RELEASE TRIGGER

③ 

HANDLING RING FOR CARRYING STRAP OR SAFETY CABLE

④ 

USB CONNECTION
DEDICATED SOFTWARE FOR ANALYSIS & PREVENTIVE MAINTENANCE

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.

Two-speed hydraulic pump for quick advance.

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NEOELEC™
BATTERY-OPERATED HYDRAULIC TOOLS
TYPE PISTOL

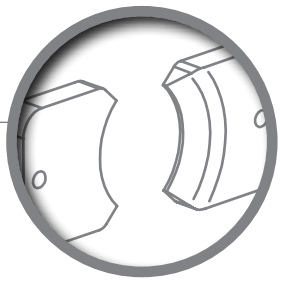
CABLE CUTTER		BCP040G	page 78		BCPSTRU	page 83
		BCP045G	page 79			
		BCP055G	page 80			
		BCP065C	page 81			
		BCP085GD	page 82			
CRIMPING PRESSES		BPP060F	page 84		BPP130U	page 90
		BPP061	page 85		BPP1351	page 91
		BPP062	page 86		BPP200H	page 92
		BPP080	page 87		BPP220H	page 93
		BPP1301-02-03	page 88		BPP240H	page 94
		BPP130D	page 89			
FORCE CONTROL						page 96
CONTROL SOFTWARE						page 97
ACCESSORIES						page 98

D25– 01/25 – Documentation not contractually binding



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.***

FORCE	88 kN
CUTTING TIME	8 to 20 s
BATTERY LIFE – DEPENDS ON THE MATERIAL	
DIMENSIONS (L × w × h in mm)	470 × 86 × 335
WEIGHT (with battery)	7.600 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

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.



> Case and charger supplied with the tool.

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

	CABLE TYPES	MAX. HARDNESS	max. CUTTING Ø(mm) *
CABLES	Copper	< 40 daN/mm²	Ø 32 (630 mm²)
	Aluminum	< 20 daN/mm²	Ø 40
	Almelec	< 34 daN/mm²	Ø 40
	Steel	< 180 daN/mm²	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/mm²	Ø 18 (number of strands: 200)
	ACSR	< 180 daN/mm²	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/mm²	Ø 18
		< 42 daN/mm²	Ø 20
	Copper	< 30 daN/mm²	Ø 30
		< 25 daN/mm²	Ø 32
	Aluminum	< 16 daN/mm²	Ø 40

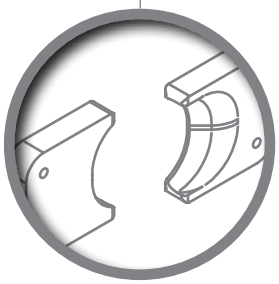
** Other dimensions and cables to be validated by testing.*

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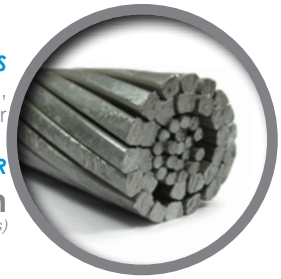


LOCK-PIN
Captive, to close the head safely.



CABLE TYPES
steel, stainless steel, ACSR, and copper

MAX. DIAMETER
Ø 45 mm
(depending on cables)



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.

FORCE	130 kN
CUTTING TIME	10 to 30 s
BATTERY LIFE – DEPENDS ON THE MATERIAL	
DIMENSIONS (L × w × h in mm)	505 × 86 × 335
WEIGHT (with battery)	8.650 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²



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

MAX. CUTTING CAPACITIES

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

	CABLE TYPES	MAX. HARDNESS	max. CUTTING Ø(mm) *
CABLES	Copper	< 40 daN/mm²	Ø 45
	Aluminum	< 20 daN/mm²	Ø 45
	Almelec	< 34 daN/mm²	Ø 45
	Steel	< 180 daN/mm²	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/mm²	Ø 18 (number of strands: 200)
	ACSR	< 180 daN/mm²	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)
			54 × Ø 4.36 + 19 × Ø 2.62 (= Ø 39.20)
	Stainless steel	> **Please contact us.**	
BARS	Steel	< 60 daN/mm²	Ø 20
		< 42 daN/mm²	Ø 22
	Copper	< 30 daN/mm²	Ø 33
		< 25 daN/mm²	Ø 35
	Aluminum	< 16 daN/mm²	Ø 45

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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.

FORCE	43 kN
CUTTING TIME	7 to 15 s
BATTERY LIFE – DEPENDS ON THE MATERIAL	
DIMENSIONS (L × w × h in mm)	500 × 75 × 335
WEIGHT (with battery)	6.600 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²



WIDE OPENING
Makes it easier to pass cables through.



DIMENSIONS (mm)	594 × 494 × 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.*

	CABLE TYPES	MAX. HARDNESS	CROSS-SECTIONS	MAX. CUTTING Ø *
CABLES	Multi-strand copper		4 × 185 mm² or 630 mm² max.	
	Aluminum underground		3 × 240 + 1 × 95 mm²	Ø 51 mm
	Telephone			Ø 55 mm
BARS	Round annealed copper	< 20 daN/mm²		Ø 16-18 mm
	Round annealed aluminum (A5)	< 16 daN/mm²		Ø 20-25 mm

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CABLE TYPES
copper and aluminum

MAX. DIAMETER
Ø 65 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.

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/s²

***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 × 494 × 149
WEIGHT	3.660 kg

> *Case and charger supplied with the tool.*

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

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WIDE OPENING
Facilitates passing of the cables.



LOCK-PIN
Captive, to close the head safely.

CABLE TYPES
copper and aluminum

MAX. DIAMETER
Ø 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 × w × h in mm)	580 × 85 × 340
WEIGHT (with battery)	8.800 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²



DIMENSIONS (mm)	594 × 494 × 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 × 240 mm² + 1 × 95 mm²
	1 × 630 mm² > 800 mm²
COPPER CABLES	4x240 mm² + 1x120 mm²
TELEPHONE CABLES	Ø 85 mm

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

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



NEOELEC™

BCPSTRU

HYDRAULIC STRUT CUTTER
BATTERY-OPERATED

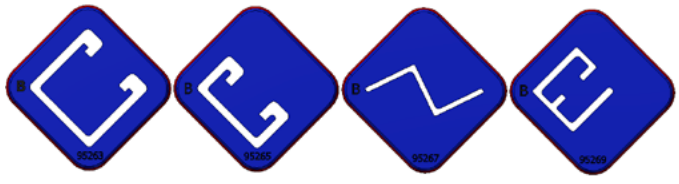
*> Available in mini-pistol version **XCMSTRU** and inline **BCLSTRU***

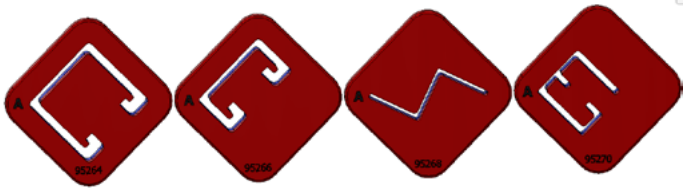
CUTTING TIME	8 to 12 s
BATTERY LIFE – DEPENDS ON THE MATERIAL	
DIMENSIONS (L × w × h in mm)	485x348x125
WEIGHT (with battery)	3.300 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

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*







DIMENSIONS (mm)	594 × 494 × 149
WEIGHT	3.660 kg

> Case and charger supplied with the tool.

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

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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.

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 mm²))	
DIMENSIONS (L × w × h in mm)	445 × 86 × 350
WEIGHT (with battery)	5.800 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²



DIMENSIONS (mm)	594 × 494 × 149
WEIGHT	3.660 kg

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

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HEXAGONAL CRIMPING
10 to185 mm² Al
6 to 240 mm² 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 mm².

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.

STROKE	18 mm
FORCE	62 kN
CRIMPING TIME (depends on cross-section to be crimped	3 to 6 seconds
BATTERY LIFE (approx. on 185 mm²)	340 crimps
DIMENSIONS (L x w x h in mm)	375 x 86 x 350
WEIGHT (with battery)	5.600 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

APPLICATIONS	**CROSS-SECTIONS**
Copper/aluminum lugs and sleeves – DIN 48083	KZ5 > KZ28
Pre-rounding	10 > 240 mm²



DIMENSIONS (mm)	594 x 494 x 149
WEIGHT	3.660 kg

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

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QUICK OPENING & CLOSING
Easy to replace die sets.



HEXAGONAL CRIMPING
6 > 300 mm²



NEOELEC™
BPP062

BATTERY-OPERATED HYDRAULIC **CRIMPING PRESS**

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

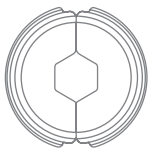
LIGHT HEAD
Excellent weight-to-capacity ratio.

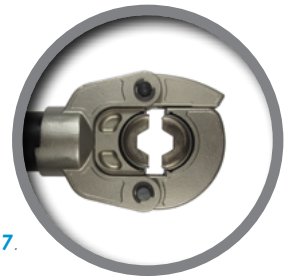
COMPATIBLE DIE SETS
62 kN die sets.

ROTATIVE HEAD
270°.

Do not use on live cables.

STROKE	16 mm
FORCE	62 kN
CRIMPING TIME (depends on cross-section to be crimped)	3 to 5 s
BATTERY LIFE (approx. on 185 mm² copper)	340 crimps
DIMENSIONS (L × w× H EN MM)	375 × 86 × 350
WEIGHT (with battery)	5.600 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²





62 KN DIE SETS – See ***PAGE 137***.

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

APPLICATIONS	**CROSS-SECTIONS**
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 or aluminum sleeves	E54 > E260



DIMENSIONS (mm)	594 × 494 × 149
WEIGHT	3.660 kg

> Case and charger supplied with the tool.

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

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QUICK OPENING & CLOSING
Easy to replace die sets.

HEXAGONAL CRIMPING
6 > 300 mm²



NEOELEC™
BPP080

BATTERY-OPERATED HYDRAULIC **CRIMPING PRESS**

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

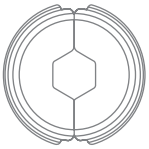
LIGHT HEAD
Excellent weight-to-capacity ratio.

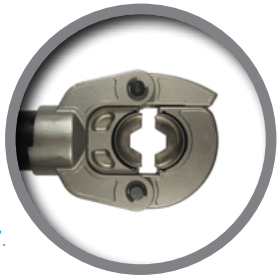
COMPATIBLE DIE SETS
62 & 80 kN ranges.

ROTATIVE HEAD
270°.

Do not use on live cables.

STROKE	13 mm
FORCE	80 kN
CRIMPING TIME (depends on cross-section to be crimped)	4 to 6 s
BATTERY LIFE (approx. on 185 mm² copper)	300 crimps
DIMENSIONS (L × w × h in mm)	375 × 86 × 350
WEIGHT (with battery)	5.700 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²





80 KN DIE SETS – *See **PAGE 137**.*

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

APPLICATIONS	CROSS-SECTIONS
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 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**.*

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> *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.***

HEXAGONAL CRIMPING
6 > 400 mm²
(depends on the type of tool)



Do not use on live cables.

WIDE CRIMPING CAPACITY
From 6 to 400 mm².

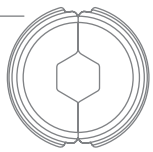
CRIMPING OF OVERHEAD LINES
Tool particularly well-suited for this application.

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/s²	<2.5m/s²	<2.5m/s²

	APPLICATIONS	**CROSS-SECTIONS (-26)**	**CROSS-SECTIONS (-38)**	**CROSS-SECTIONS (-44)**
	Copper lugs and sleeves – NFC 20-130	6 > 300 mm²	6 > 400 mm²	6 > 400 mm²
	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 mm²	50 > 300 mm²	50 > 300 mm²
	Copper lugs and sleeves – NFC 20-130	10 > 240 mm²	10 > 240 mm²	10 > 240 mm²

Die sets
6 > 400 mm²



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****.*

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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.

HEXAGONAL CRIMPING
6 > 400 mm²
(depends on the type of tool)



WIDE CRIMPING CAPACITY
From 6 to 400 mm².

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

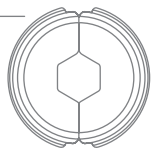
FITTED WITH A MECHANICAL STOP
Piston stops at the end of the stroke.

STROKE	**23 mm**
FORCE	130 kN
DIMENSIONS (L × w × h in mm)	395 × 86 × 345
WEIGHT (with battery)	6.800 kg
ACOUSTIC POWER LEVEL(LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

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 mm²
	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 mm²
	Copper lugs and sleeves – NFC 20-130	10 > 240 mm²

Die sets
6 > 400 mm²



DIE SETS
*See **PAGE 137**.*

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



DIMENSIONS (mm)	594 × 494 × 149
WEIGHT	3.660 kg

> *Case and charger supplied with the tool.*

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

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DEEP INDENTING
16 > 240 mm²

HEXAGONAL CRIMPING
10 > 400 mm²



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.

STROKE	26 mm
MAX. DIAMETER	34 mm
FORCE	130 kN
DIMENSIONS (L × w × h in mm)	410 × 86 × 335
WEIGHT (with battery)	6.400 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²



SETUP 1
FOR INDENTING APPLICATION

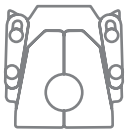
*> See **PAGE 146**.*



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**.*



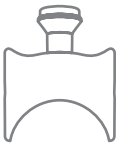
Opening die sets with built-in base



Indentor



Indentor holder PP130
P/N **30842**



Adaptor A12D2
P/N **85880**



130 kN die sets

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

> Case and charger supplied with the tool.

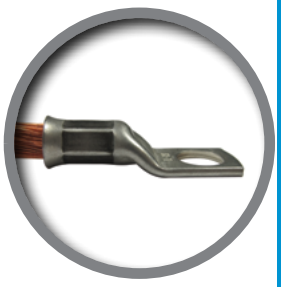
> Accessories NEOELEC™
*See **PAGE 98**.*

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OPTIMIZED HEAD
for an optimum weight

HEXAGONAL CRIMPING
#8AWG > 1500MCM
10 mm² > 630 mm²



NEOELEC™

BPP1351

NEW IN 2024

BATTERY-OPERATED HYDRAULIC
CRIMPING PRESS

STROKE	52 mm
MAX. DIAMETER	34 mm
FORCE	135 kN
DIMENSIONS (L × w × h in mm)	500 × 75 × 310
WEIGHT (with battery)	8.600 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

HEAD OPTIMIZED BY GENERATIVE DESIGN
Optimum weight and ergonomy 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.



DIMENSIONS (mm)	594 × 494 × 149
WEIGHT	3.660 kg

> Case and charger supplied with the tool.

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

D25– 01/25 – Documentation not contractually binding



DEEP INDENTING
16 > 400 mm²

HEXAGONAL CRIMPING
6 > 630 mm²



BPP200U

BATTERY-OPERATED HYDRAULIC
CRIMPING PRESS

700 bar

> Dies set identical to tool ***XU250.***

STOKE	30 mm
FORCE	200 kN
DIMENSIONS (L x w x h in mm)	460 x 98 x 345
WEIGHT (with battery)	8.000 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

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.

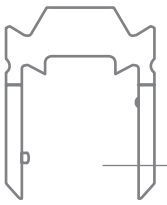
MECHANICAL PISTON STOP
Piston stops at the end of the stroke.

DIE SETS
> See ***PAGE 137.***

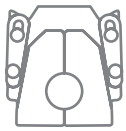
CASE
> See ***XPH130 .***

Do not use on live cables.





Adapter **2S1**
P/N: 30857



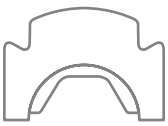
Opening die sets with built-in base
10 > 240 mm²



Punch

SETUP 1
PUNCHING APPLICATION

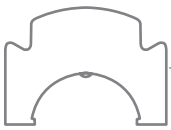




Die sets
500 mm²
P/N: 77687
630 mm²
P/N: 77686

SETUP 2
CRIMPING APPLICATION

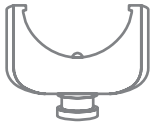




Upper adapter
P/N: 77408C



Die sets
6 > 400 mm²



Lower adapter
P/N: 77407C

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.***

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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.***

STOKE	25 mm
FORCE	220 kN
DIMENSIONS (L x w x h in mm)	510×90×380
WEIGHT (with battery)	9.150 kg
CRIMPING	6>475 mm² AL
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

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.

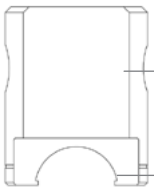
CRIMPING CAPACITY

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:

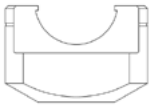
- Die sets common to heads XH220 and XH250R *(See **PAGE 150**).*
- Crimping die sets for the 130-kN range *(See page 150)*, which can be used in this head with an adapter that is available as an option (with care).

► All our tools are supplied without die sets



Adapter **64103**

Die sets
10 > 400 mm²





DIMENSIONS (mm)	594 × 494 × 149
WEIGHT	3.660 kg

> Case and charger supplied with the tool.

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

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Die sets
50 > 630 mm²



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.

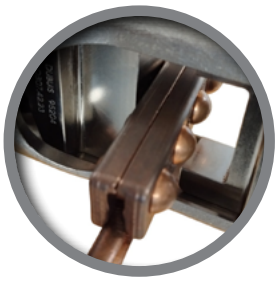
ROBUST, VERY LARGE CAPACITY
MV and HV applications.

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
catenary claw
(depends on the type of tool)



STROKE	25 mm
FORCE	240 kN
DIMENSIONS (L × w × h in mm)	457×98×380
WEIGHT (with battery)	9.000 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

***DIE SETS** – See **PAGE 137**.*

CRIMPING CAPACITY

APPLICATIONS	CROSS-SECTION
Tubular copper lugs – NFC 20-130	50 > 630 mm²
Copper or aluminum lugs & sleeves. – DIN 48083-3	KZ8 > KZ44



DIMENSIONS (mm)	594 × 494 × 149
WEIGHT	3.660 kg

> Case and charger supplied with the tool.

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

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PERSONAL NOTES

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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

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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.

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NEW IN 2024

> *New reinforced batteries.*



18 V 5.0 Ah *Li-Ion*

18 V 2.0 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

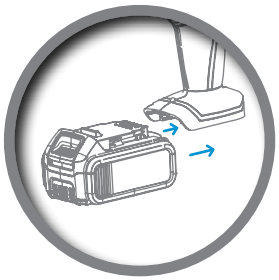
NYLON COATING
Nylon reinforced with “GFN” glass
Withstands fuels, greases and certain petrochemicals
Impact-resistant, non-slip, does not mark.

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.



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.



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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

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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 × w × 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 × w × h in mm)	175 × 80 × 97
WEIGHT	2.12 kg



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

P/N	DCB548-XJ
DIMENSIONS (L × w × 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 × w × 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 × w × h in mm)	223 x 139 x 84
WEIGHT	0.5 kg

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PERSONAL NOTES

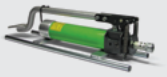
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700-BAR **HYDRAULIC POWER PACKS** TO BE CONNECTED WITH A **HIGH-PRESSURE HOSE** TO A HYDRAULIC HEAD.



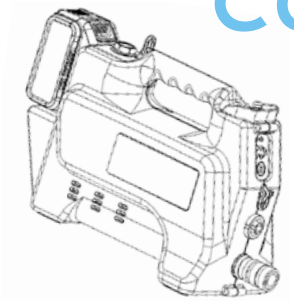
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HYDRAULIC
POWER PACKS

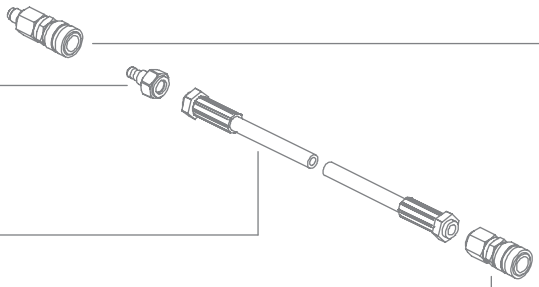
<table>
<tr><td colspan="3">POWER PACK/HYDRAULIC HEAD CONNECTION</td><td>page 104</td></tr>
<tr><td rowspan="1">MANUAL</td><td>  </td><td>PHP700</td><td>page 105</td></tr>
<tr><td rowspan="1">TO MAINS</td><td>  </td><td>PHE706</td><td>page 106</td></tr>
<tr><td rowspan="2">TO BATTERIES</td><td>  </td><td>BGH701</td><td>page 108</td></tr>
<tr><td>  </td><td>BGH702</td><td>page 109</td></tr>
<tr><td colspan="3">ACCESSORIES FOR HYDRAULIC POWER PACKS</td><td>page 110</td></tr>
<tr><td></td><td>  </td><td>COUPLER & HOSES</td><td>page 111</td></tr>
</table>

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CONNECTION HYDRAULIC POWER PACK / HEAD



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

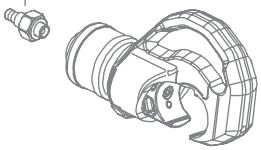


Standard quick coupler
P/N 87812
P/N **30888 for PHE706**

Standard quick nozzle
(Power pack side)
P/N 80847

HP hose with
¼ BSP thread

Standard quick nozzle
P/N 30887



Standard quick coupler
(Head side)
P/N 80848

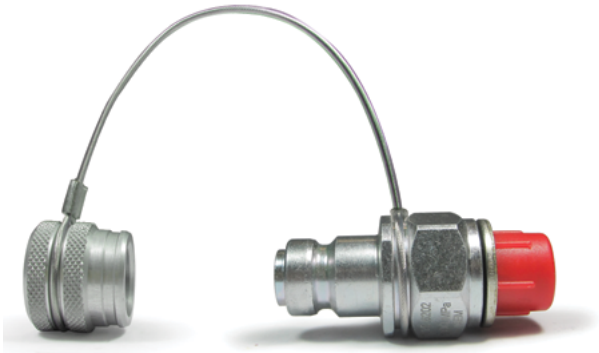
700 bar hoses

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 ¼ 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 ⅜ NPT
> *See* ***PAGE 111***.

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PHP700

HYDRAULIC **FOOT** PUMP

>P/N 87911

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

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*

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 ×w× h in mm)	620 × 175 × 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

** couplers as an option*

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SNCF APPROVAL № IPM 02080

PHE706

220 V ELECTRIC HYDRAULIC POWER PACK

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

>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 mm² lugs crimped per minute with an ***XC130*** hydraulic head.

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	< 80 dB (A)
OIL TANK	2 L
DIMENSIONS (mm)	380 × 200 × 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* × 759 × 486
WEIGHT	8.500 kg
P/N	91716 as an option
CAPACITY	Equipped power pack + 1 hose assembly + 1 hydraulic head + various accessories

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① 

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

② 

EASILY ACCESSIBLE TANK FILLING AND DRAINING

③ 

CEJN TYPE COUPLER WITH LOCK

④ 

FASTENNG RING FOR SHOULDER STRAP

⑤ 

EMERGENCY MANUAL PRESSURE RELEASE

⑥ 

CONTROL SYSTEM
- *CUT/CRIMP SWITCH*
- *INTEGRATED REMOTE CONTROL (+ WIRE REMOTE CONTROL)*
- *USB CONNECTION*

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.

Two-speed hydraulic pump for fast advance.

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SNCF APPROVAL № AGT 22526

NEOELEC™

BGH701

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

> *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).*

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*.

WEIGHT (with battery + coupler)	5.880 kg
DIMENSIONS (L × w × h in mm)	330 × 160 × 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/s²

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





TWO-FUNCTION REMOTE CONTROL
Advance/Hold – Return
cable length: 3 m
> ***Supplied with the tool.***



DIMENSIONS (mm)	550 × 336 × 308
WEIGHT	4.800 kg
P/N	91813 as an option
CAPACITY	Equipped power pack + 1 hose assembly + 1 hydraulic head + various accessories

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SNCF APPROVAL № AGT 22526

NEOELEC™

BGH702

WATERTIGHT HYDRAULIC POWER PACK (700 bar)
BATTERY OPERATED *18 V 5.0 Ah LI-ION*

> *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*.

WEIGHT (with battery + coupler)	7.100 kg
DIMENSIONS (L × w × h in mm)	500 × 160 × 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/s²

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



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

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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





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

HYDRAULIC OIL

Total Equivis XV32 type insulating oil.

0.5-L bottle: **P/N 82809**

5-L bottle: **P/N OMST032**





PRESSURE GAUGE

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

Calibration certificate.

P/N 82812-BAR

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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.***

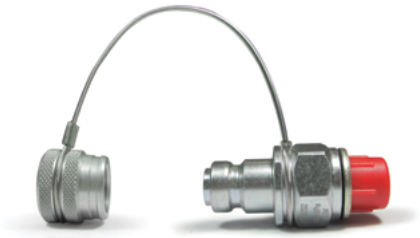
FITTED WITH BALL COUPLERS

> 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 ¼ BSP

> *⅜ NPT threaded coupling:* ***please contact us***



QUICK BALL COUPLER (EDF – LIVE WORK/MV) WITH ¼ BSP THREAD

> To be mounted on hydraulic head.

P/N 30887



QUICK BALL COUPLER (EDF – LIVE WORK/MV) WITH ¼ BSP THREAD

> To be mounted on 700 bar power pack. locking

P/N 30888

SCREW-ON COUPLERS



SCREW-ON COUPLER (EDF – LV) ½ VALVE A, WITH ⅜ NPT THREAD

> To be mounted on hydraulic head.

P/N HSER001



SCREW-ON COUPLER (EDF – LV) ½ VALVE B, WITH ⅜ NPT THREAD

> To be mounted on HP hose, hydraulic head side.

P/N HSER002

ADAPTERS



> For female ¼ BSP outlet to be converted to female ⅜ NPT outlet.

P/N HREM68211-40



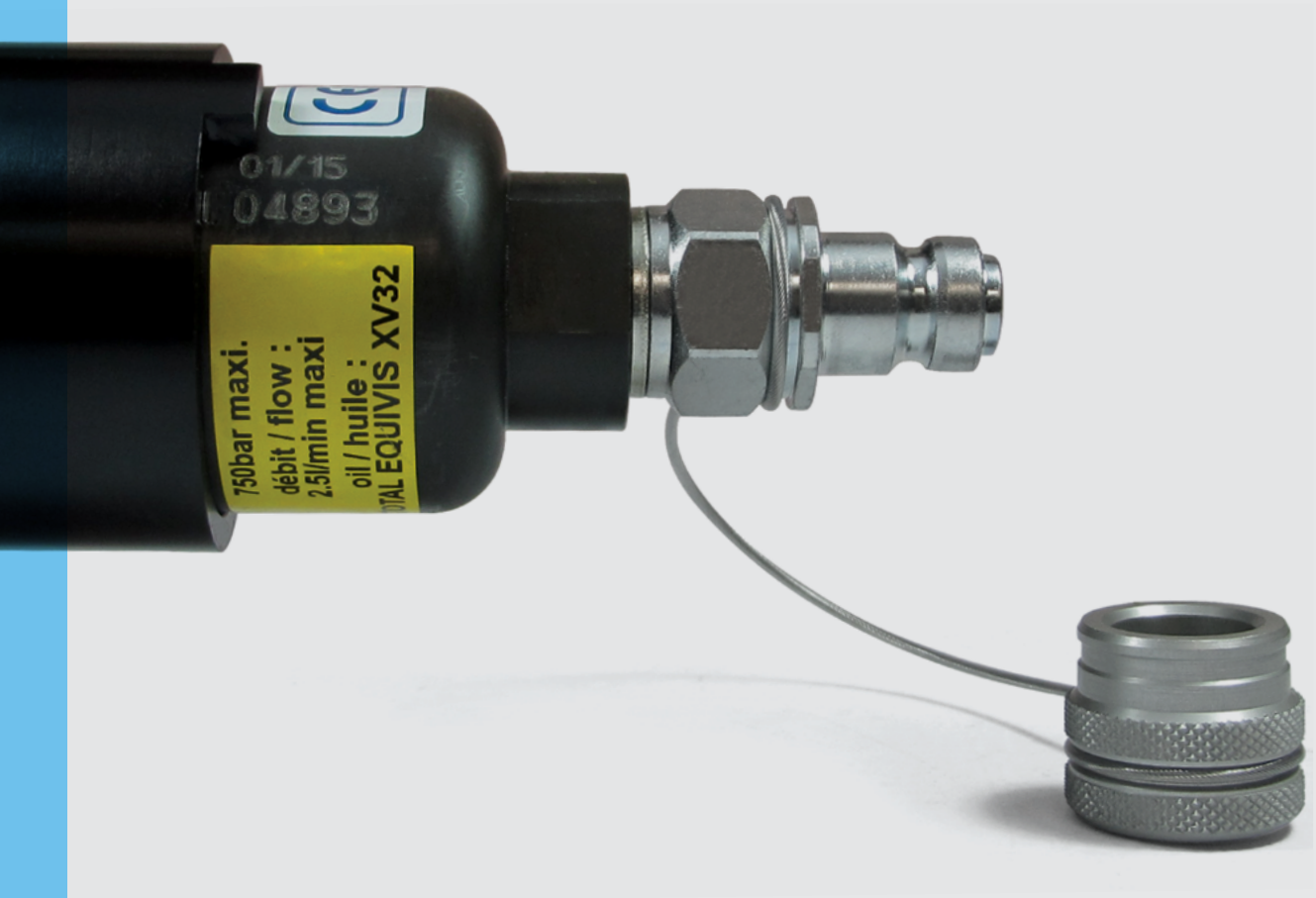
> For female ⅜ NPT outlet to be converted to male ⅜ NPT outlet.

P/N HCEJ792181623

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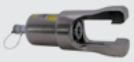
HYDRAULIC HEADS *FOR CONNECTION TO A 700 BAR HYDRAULIC POWER PACK WITH A* ***HIGH-PRESSURE HOSE.***

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



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HYDRAULIC HEADS

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

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NEOELEC™

XCH018C

NEW

700 bar

HYDRAULIC HEAD FOR SHEARS-TYPE ROD-CUTTER

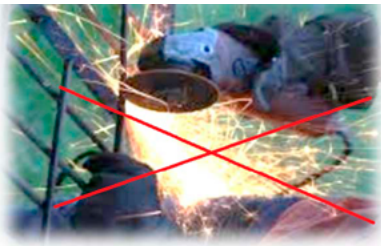


ROBUST / EASY TO CLEAN
Suitable for working in the field.

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/mm²: 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.

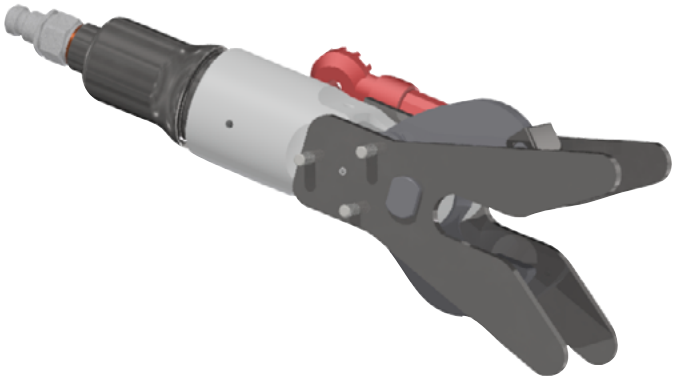
FORCE	80 kN
CUTTING TIME (depends on cross-section to be cut)	7 to 15 s
DIMENSIONS (L x w x h in mm)	790 x 70 x 205
WEIGHT	8.000 kg

> other dimensions possible

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

** couplers as an option*

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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°.

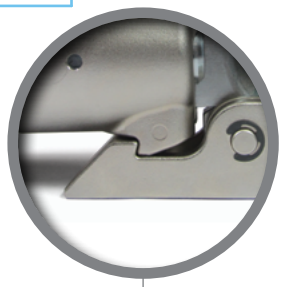
Do not use on live cables.

BATTERY LIFE – DEPENDS ON THE MATERIAL	
DIMENSIONS (L x w x h in mm)	340 x 113 x 60
WEIGHT (with battery)	3.600 kg

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

** couplers as an option*

D25– 01/25 – Documentation not contractually binding



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 × w × h in mm)	215 × 52 × 90
WEIGHT	2.400 kg

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

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

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



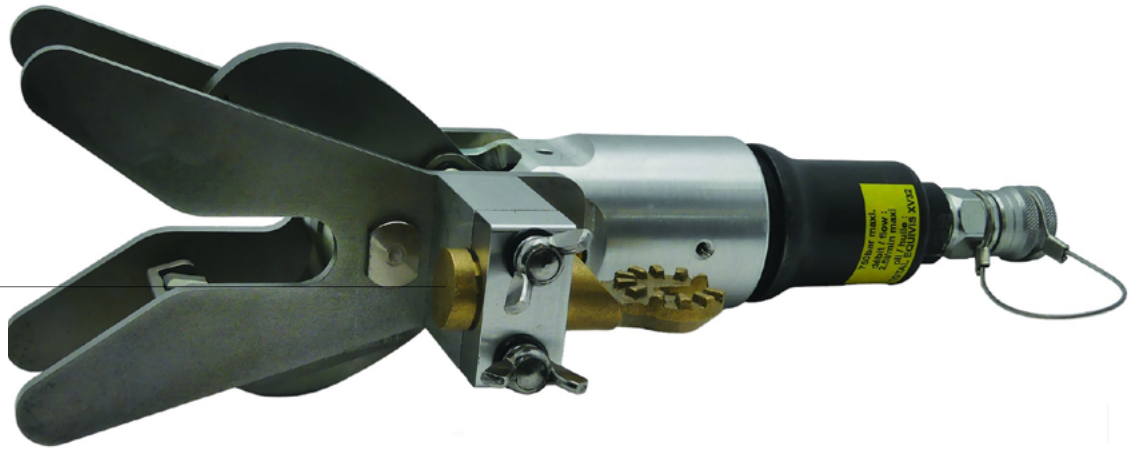
DIMENSIONS (mm)	440 x 440 x 162
WEIGHT	2 kg
P/N	91356 *as an option*
CAPACITY	one to three heads depending on their dimensions

** couplers as an option*

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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	3.300 kg

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

CABLE TYPES	TYPE	max. CUTTING Ø(mm) *
Copper	240 mm² feeder	Ø 20
	181.6 mm² carrier cable	Ø 17.5
	150 mm² 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

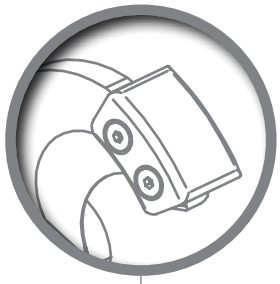
** couplers as an option*

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TAPERED BLADES
Ideal for cutting fine multi-strand cables.

GUIDING SHOE
Avoids gap between blades.





XCH035C

HYDRAULIC HEAD
SHEARS-TYPE CABLE-CUTTER

700 bar

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

CABLE TYPES
copper and aluminum

MAX. DIAMETER
Ø 35 mm



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.

FORCE (on the piston)	45 kN
DIMENSIONS (L x w x h in mm)	305 x 70 x 105
WEIGHT	3.400 kg

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

MAX. CUTTING CAPACITIES*	
SEMI-RIGID MULTISTRAND CU CABLE	240 mm²
FLEXIBLE MULTISTRAND CU CABLE (very fine strands)	Ø 35 mm– 300 mm²
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.*



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*

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LOCK-PIN
To close the head safely.





XCH040G

HYDRAULIC HEAD
GUILLOTINE-TYPE CABLE-CUTTER

700 bar

> 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
copper, aluminum and steel

MAX. DIAMETER
Ø 40 mm
(depending on cables)



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

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

	CABLE TYPES	MAX. HARDNESS	MAX. CUTTING Ø (mm) *
CABLES	Copper	< 40 daN/mm²	Ø 32 (630 mm²)
	Aluminum	< 20 daN/mm²	Ø 40
	Almelec	< 34 daN/mm²	Ø 40
	Steel	< 180 daN/mm²	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/mm²	Ø 18 (number of strands: 200)
	ACSR (aluminum conductor steel reinforced)	< 180 daN/mm²	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)
BARS	Steel	< 60 daN/mm²	Ø 18
		< 42 daN/mm²	Ø 20
	Copper	< 30 daN/mm²	Ø 30
		< 25 daN/mm²	Ø 32
	Aluminum	< 16 daN/mm²	Ø 40

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



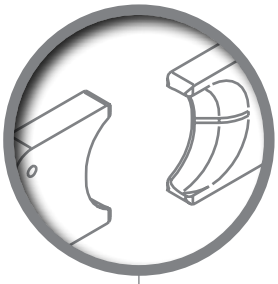
DIMENSIONS (mm)	440 x 440 x 162
WEIGHT	2 kg
P/N	91356 *as an option*
CAPACITY	one to three heads depending on their dimensions

** couplers as an option*

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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 *(> special steel cutter)*.

IDENTICAL BLADE & COUNTER-BLADE
Facilitates cutting.

INTERCHANGEABLE BLADES
Easy to replace. P/N 78507.

Do not use on live cables.

CABLE TYPES
steel, stainless steel, ACSR, and copper

MAX. DIAMETER
Ø 45 mm
(depending on cables)



FORCE	130 kN
DIMENSIONS (L × w × h in mm)	320 × 65 × 110
WEIGHT	4.900 kg

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

MAX. CUTTING CAPACITIES

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

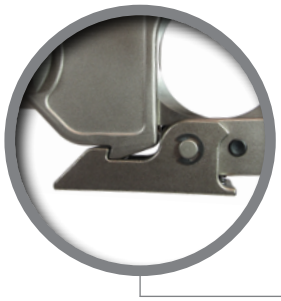
	CABLE TYPES	MAX. HARDNESS	MAX. CUTTING Ø (mm) *
CABLES	Copper	< 40 daN/mm²	Ø 45
	Aluminum	< 20 daN/mm²	Ø 45
	Almelec	< 34 daN/mm²	Ø 45
	Steel	< 180 daN/mm²	7 × Ø 3.0 (= Ø 9.0)
			19 × Ø 2.1 (= Ø 10.5)
			19 × Ø 2.3 (= Ø 11.5)
	Multi-strand steel	< 180 daN/mm²	Ø 18 (number of strands: 200)
	ACSR (aluminum Conductor Steel Reinforced)	< 180 daN/mm²	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	< 60 daN/mm²	Ø 20
	> Please contact us.	< 42 daN/mm²	Ø 22
	Steel	< 30 daN/mm²	Ø 33
	Copper	< 25 daN/mm²	Ø 35
	Aluminum	< 16 daN/mm²	Ø 45



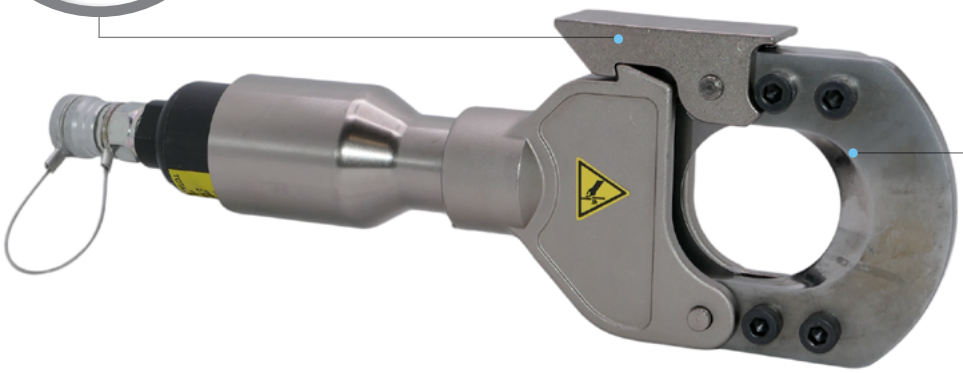
DIMENSIONS (mm)	440 x 440 x 162
WEIGHT	2 kg
P/N	91356 *as an option*
CAPACITY	one to three heads depending on their dimensions

** couplers as an option*

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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****.*

CABLE TYPES
copper and aluminum

MAX. DIAMETER
Ø 55 mm



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.

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.*

	CABLE TYPES	MAX. HARDNESS	CROSS-SECTIONS	MAX. CUTTING Ø *
CABLES	Multi-strand copper		4 × 185 mm² or 630 mm² max.	
	Aluminum underground		3 × 240 + 1 × 95 mm²	Ø 51 mm
	Telephone			Ø 55 mm
BARS	Round annealed copper	< 20 daN/mm²		Ø 16-18 mm
	Round annealed aluminum (A5)	< 16 daN/mm²		Ø 20-25 mm



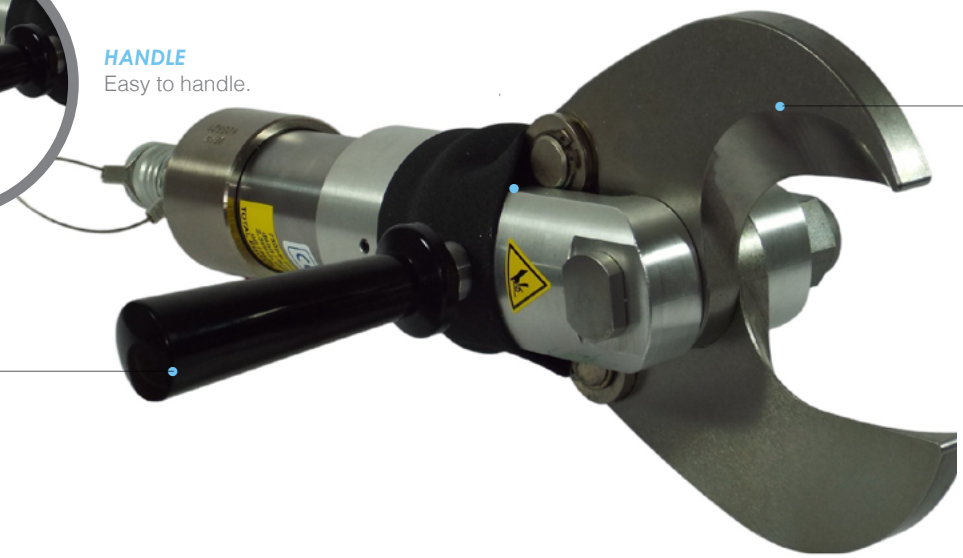
DIMENSIONS (mm)	440 x 440 x 162
WEIGHT	2 kg
P/N	91356 *as an option*
CAPACITY	one to three heads depending on their dimensions

** couplers as an option*

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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.

CABLE TYPES
copper and aluminum

MAX. DIAMETER
Ø 65 mm



DIMENSIONS (L × l × h in mm)	380 × 95 × 150
WEIGHT	4.400 kg

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

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/N 78441.

Do not use on live cables.

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.*



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*

D25 – 01/25 – Documentation not contractually binding



LOCK-PIN
To close the head safely.

WIDE OPENING
Makes it easier to pass cables through.





XCH085G

HYDRAULIC HEAD
GUILLOTINE-TYPE CABLE-CUTTER

700 bar

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

CABLE TYPES
copper and aluminum

MAX. DIAMETER
Ø 85 mm



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.

FORCE	70 kN
DIMENSIONS (L × w × h in mm)	395 × 80 × 170
WEIGHT	5.900 kg

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

CUTTING CAPACITIES	
CABLE TYPES	**MAX. CABLE Ø***
UNDERGROUND INSULATED ALUMINUM CABLES	3 × 240 mm² + 1 × 95 mm²
	1 × 630 mm² > 800 mm²
COPPER CABLES	630 mm²
TELEPHONE CABLES	Ø 85 mm

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

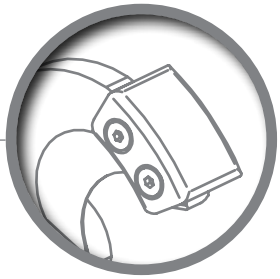


DIMENSIONS (mm)	440 x 440 x 162
WEIGHT	2 kg
P/N	91356 *as an option*
CAPACITY	one to three heads depending on their dimensions

** couplers as an option*

D25– 01/25 – Documentation not contractually binding





GUIDING SHOE
Avoids gap between blades.

XCI95C

HYDRAULIC HEAD FOR
SHEARS-TYPE CABLE-CUTTER

700 bar

> P/N 37910-02



ERGONOMIC HANDLE
For transport and a secure grip on the tool.

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**.*

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.***

MAX. CUTTING CAPACITIES*	
ALL COPPER OR ALUMINUM MULTI-STRAND CABLES UP TO Ø 95 mm	1200 mm²
ALUMINUM OR COPPER CABLES REINFORCED WITH MILD-STEEL SHEET	1000 mm²

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

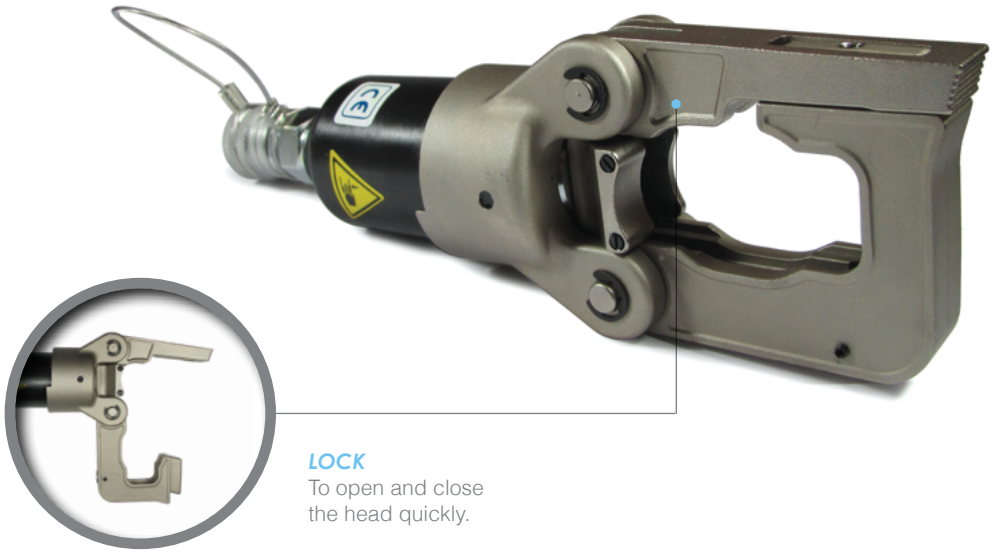
Do not use on live cables.



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

** couplers as an option*

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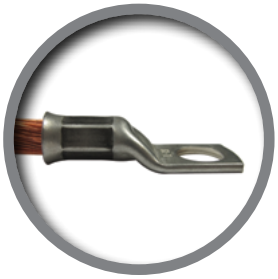
LOCK
To open and close the head quickly.

XD51

HYDRAULIC HEAD **FOR CRIMPING**

700 bar

HEXAGONAL CRIMPING
4 > 240 mm²

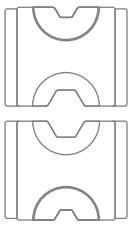


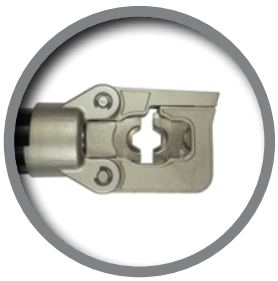
> P/N 31918-02.
> *Force, stroke and capacities identical to the manual tool **MPL51-052** and battery-operated tools **BPE055 & BPL055**.*

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

INTERCHANGEABLE DIE SETS
Simple or reversible.

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 mm²
Bare or pre-insulated copper or aluminum sleeves	E54 > E215

DIE SETS – *See **PAGE 137**.*

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

Do not use on live cables.

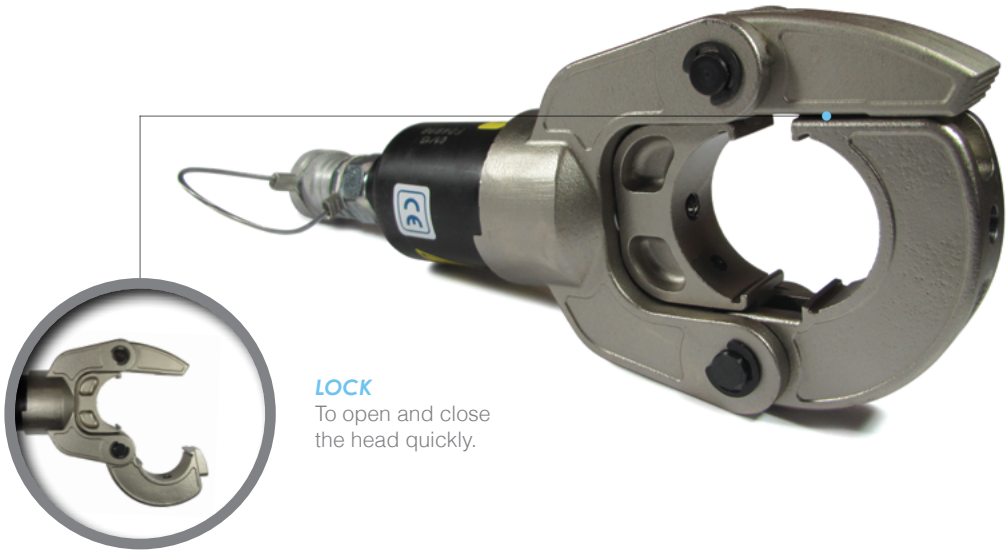
COUPLERS & HOSES
*> See **PAGE 111**.*



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*

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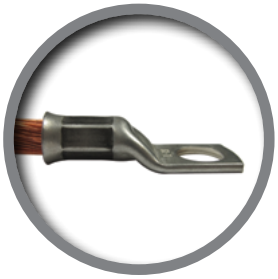
LOCK
To open and close the head quickly.

XD62

HYDRAULIC HEAD **FOR CRIMPING**

700 bar

HEXAGONAL CRIMPING
6 > 300 mm²



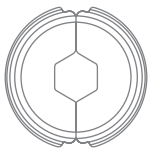
> P/N 84903.
> *Force, stroke and capacities identical to tools **MPL062, XPM062,** and to battery-operated tools **BPE062, BPL062 & BPP062.***

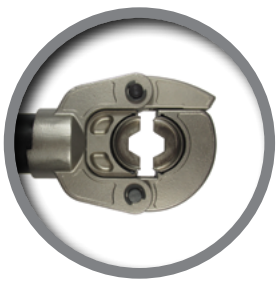
VERY LIGHT HEAD
Excellent weight-to-capacity ratio.

COMPATIBLE DIE SETS
On the **80 kN & 130 kN ranges.**

Do not use on live cables.

STROKE	16 mm
FORCE	62 kN
DIMENSIONS (L x w x h in mm)	195 x 56 x 100
WEIGHT	2.200 kg





APPLICATIONS	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 mm²
Bare or pre-insulated copper or aluminum sleeves	E54 > E260

DIE SETS *– See **PAGE 137**.*

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

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*

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> *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

700 bar

> *Force, stroke and capacities identical to tools* ***MPL130-XX, XPM130D*** *and battery-operated tools* ***BPE130 & BPP130X****.*

HEXAGONAL CRIMPING
6 > 400 mm²
(depends on the type of tool)

WIDE CRIMPING CAPACITY
From 6 to 400 mm².

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

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

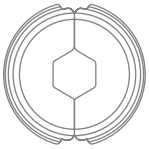
Do not use on live cables.

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	CROSS-SECTIONS (-26)	CROSS-SECTIONS (-38)
	Copper lugs and sleeves – NFC 20-130	6 > 300 mm²	6 > 400 mm²
	Bare or pre-insulated copper or aluminum sleeves – EDF	E54 > E235	E54 > E280
	copper or aluminum lugs and sleeves – DIN 48083	KZ6 > KZ28	KZ6 > KZ38
	C-shaped connectors	C10 > C70	C10 > C70
	Pre-rounding	50 > 300 mm²	50 > 300 mm²
	Copper lugs and sleeves – NFC 20-130	10 > 240 mm²	10 > 240 mm²

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 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*

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XPH130U

HYDRAULIC HEAD
FOR DEEP INDENTING

700 bar

DEEP INDENTING
16 > 240 mm²

HEXAGONAL CRIMPING
6 > 400 mm²

> *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.

STROKE	26 mm
MAX. DIAMETER	34 mm
FORCE	130 kN
DIMENSIONS (L × w × h in mm)	205 × 80 × 80
WEIGHT	3.350 kg



SETUP 1
FOR INDENTING APPLICATION

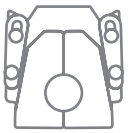
DIE SETS
*> See **PAGE 146**.*



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



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*

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SPINDLE
Modified spindle knob for effective head locking.

SNCF SYMBOL № 0.392.8955

XH220



HEXAGONAL CRIMPING
10 > 475 mm²
DE-CRIMPING
<262 mm²

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 hyrdraulic power pack directly onto the base of the head.

STROKE	32 mm
FORCE	220 kN
DIMENSIONS (L × w × h in mm)	290 x 90 x 140
WEIGHT	5.500 kg

APPLICATIONS	CROSS-SECTION
Tubular copper lugs – NFC 20-130	> 630 mm²
Copper or aluminum lugs & sleeves – DIN 48083	KZ8 > KZ44

DIE SETS *– See* ***PAGE 137*** *and* ***PAGE 150****.*

Do not use on live cables.

CRIMPING CAPACITY



APPLICATION	Stainless steel / Bronze end fitting or sleeve	Cu / Al / AlAc / Bz junction or termination	Bypass Copper / Bronze	Bypass or Main Carrier
TYPE OF CRIMPING				
CAPACITY	DE77S – DE100	SH16 - SH44	SV29 – SV52	DV13 – DV52



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

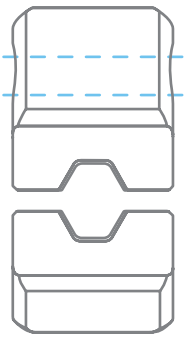
** couplers as an option*

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Die sets
50 > 630 mm²







XH250

HYDRAULIC HEAD
FOR CRIMPING

700 bar

HEXAGONAL CRIMPING
50 > 630 mm²

> 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.

STROKE	30 mm
FORCE	250 kN
DIMENSIONS (L × w × h in mm)	287 × 100 × 130
WEIGHT	6.900 kg

APPLICATIONS	**CROSS-SECTION**
Tubular copper lugs – NFC 20-130	50 > 630 mm²
Copper or alu. lugs & sleeves – DIN 48083	KZ8 > KZ44



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

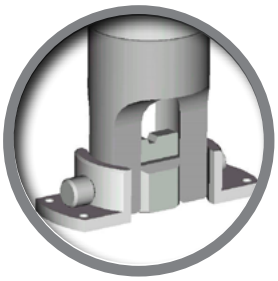
** couplers as an option*

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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 mm²
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.

STROKE	28 mm
FORCE	250 kN
DIMENSIONS (L x w x h in mm)	145 x 145 x 320
WEIGHT	24,700 kg

APPLICATIONS	CROSS-SECTION
Tubular copper lugs – NFC 20-130	> 630 mm²
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
TYPE OF CRIMPING				
CAPACITY	DE77S – DE100	SH16 - SH44	SV29 – SV52	DV13 – DV52

** couplers as an option*

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XU250

HYDRAULIC HEAD
FOR DEEP INDENTING

700 bar

> P/N 61902-01

DEEP INDENTING
16 > 400 mm²

HEXAGONAL CRIMPING
6 > 630 mm²



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.

STROKE	30 mm
FORCE	250 kN
DIMENSIONS (L × w × h in mm)	270 × 116 × 98
WEIGHT	6.800 kg

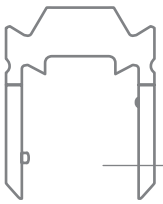
DIE SETS
*> See **PAGE 137**.*

CASE
*> See **XPH130**.*

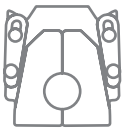








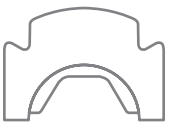
Adapter **2S1**
P/N: 30857



Opening die sets with built-in base
10 > 240 mm²

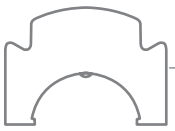


Punch





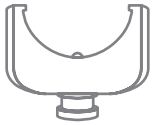
Die sets
500 mm²
P/N: 77687
630 mm²
P/N: 77686



Upper adapter
P/N: 77408C



Die sets
6 > 400 mm²



Lower adapter
P/N: 77407C

SETUP 1
PUNCHING APPLICATION

SETUP 2
CRIMPING APPLICATION

SETUP 3
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

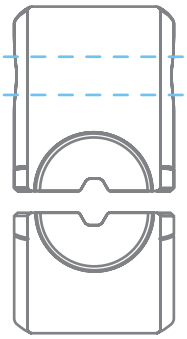
** couplers as an option*

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Die sets
95 > 1000 mm²





XH450

HYDRAULIC HEAD **FOR CRIMPING**

700 bar

> P/N 64906

HEXAGONAL CRIMPING
95 > 1000 mm²

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.

STROKE	35 mm
FORCE	450 kN
DIMENSIONS (L × w × h in mm)	285 × 115 × 120
WEIGHT	11.150 kg

APPLICATIONS	**CROSS-SECTION**
Tubular copper lugs – NFC 20-130	95 > 1000 mm²
Copper or aluminum lugs & sleeves – DIN 48083	KZ14 > KZ60



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*

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TAKE CONTROL OF YOUR SAFETY

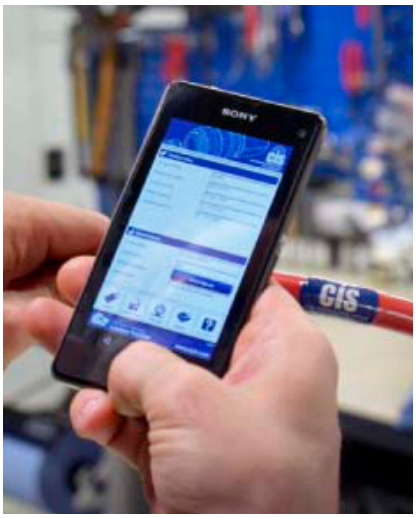
– With CEJN Identification System for Ultra High-Pressure Hydraulics



Download the CIS app

Download on the App Store

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CIS
CEJN IDENTIFICATION SYSTEM
NFC TECHNOLOGY



Mobile Interface

- NFC* enabled phones
- Read function
- Off-line
- Quick on-site safety check
- Download app from www.cejn.com/cis

GET IT ON Google Play Download on the App Store



WE PROPOSE TO IMPROVE YOUR SAFETY WITH CEJN CIS

TAKE CONTROL OF YOUR ULTRA HIGH-PRESSURE HYDRAULIC HOSE KITS. Working with high-pressure hydraulics is associated with adanger to your life. Therefore, it is vitally important to eliminate risk as far as possible. When using high-pressure products from CEJN, you canrest assured that you have made a safe choice, as we work on safety throughout the entire production chain using our knowledge gained from b40 years of experience.
CEJN is now releasing a new technology for your safety: CEJN INFORMATION SYSTEM (CIS) - a tracking solution in which every hose kit ischipped and has an individual marking and traceability based on Near Field Communication (NFC*). .

DUBUIS



*> Crimping a lug with hydraulic head **XC130-26** in an electrical distribution board.*

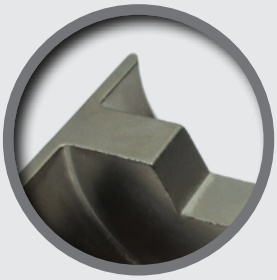
D25- 01/25 – Documentation not contractually binding



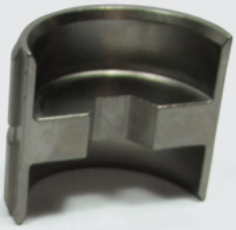
ANTI-CORROSION COATING
ELECTROLESS NICKEL

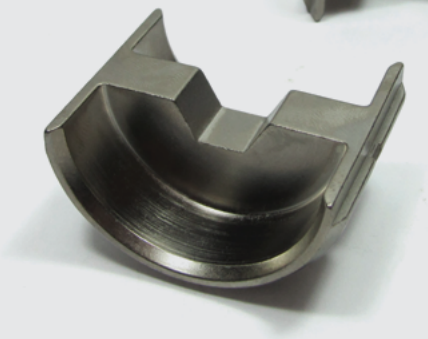


PERFORMANCE STANDARDS (MECHANICAL & ELECTRICAL ASPECTS)
NFC, DIN, EDF SPEC.



MADE OF STEEL + HEAT TREATMENT
(QUENCHING & TEMPERING) IMPROVED HARDNESS & YIELD STRENGTH

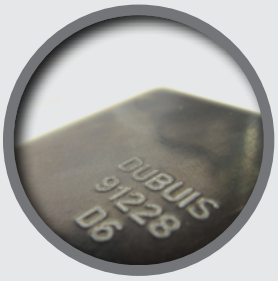






APPLICATIONS:

- ***HEXAGONAL CRIMPING***
- ***INDENTING***
- ***DEEP INDENTING***
- ***PRE-ROUNDING***



IDENTIFICATION BY INTERNAL & EXTERNAL MARKING



SPECIAL APPLICATIONS & QUOTATIONS ON REQUEST
FOR SPECIAL CASES

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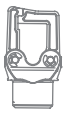
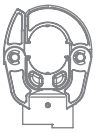
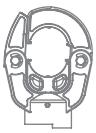
CRIMPING DIE SETS

EARTHING CIRCUIT & INDUSTRIAL NETWORK	page 138
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	
LV INSULATED OVERHEAD LINE	page 140
DIE SETS FOR PRE-INSULATED LUGS & SLEEVES	
DIE SETS FOR SLEEVES	
BARE LV/MV OVERHEAD LINE	page 142
DIE SETS FOR COPPER CONDUCTORS	
DIE SETS FOR ALUMINUM ALLOY CONDUCTORS	
DIE SETS FOR ALUMINUM OR STEEL CONDUCTORS	
COPPER OR ALUMINUM SECTORAL CABLE	page 144
DIE SETS FOR COPPER OR ALUMINUM SECTORAL CABLE	
LV UNDERGROUND LINE	page 146
DIE SETS FOR ALUMINUM & COPPER-ALUMINUM LUGS & SLEEVES	
EARTHING CIRCUIT & INDUSTRIAL NETWORK	page 146
DIE SETS FOR COPPER OR ALUMINUM LUGS & SLEEVES – DIN 48.083	
CRIMPING DIE SETS FOR RAILWAY APPLICATIONS	
D36 DIE SETS	page 148
SIGNALING AND TRACTION RETURN CURRENT	
D62 DIE SETS	page 148
SIGNALING AND TRACTION RETURN CURRENT	
C130 DIE SETS	page 148
OVERHEAD CONTACT LINE APPLICATIONS	
SIGNALING AND TRACTION RETURN CURRENT	
C-SHAPED CONNECTORS	
SUBSTATION CRIMPING	
XH220-250R-BPP220H DIE SETS	page 150
SUBSTATION CRIMPING	
HEXAGONAL CRIMPING	
REINFORCED HEXAGONAL CRIMPING	
OVAL CRIMPING	
CONNECTOR DE-CRIMPING	

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EARTHING CIRCUIT & INDUSTRIAL NETWORK
TUBULAR LUGS & SLEEVES – NFC 20-130

C CONNECTORS

			D31		D36		D51		D62		D80	
			BPE031		BPE036		BPE055		BPE062			
			BPL031		BPL036		BPL055		BPL062			
									BPP062		BPP080	
							XD51		XD62/XPM062			
												
			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)
	HEXAGONAL CRIMPING	CROSS-SECTION (mm²)	CODE										
	NFC 20-130 XCT. - XG.	4		02555	5	02633	5	31042	5				
		6		02378	9	02454	9	31038	9	84105	9	84105	9
		10		02379	9	02431	9	31039	9	84106	9	84106	9
		16		02380	9	02432	9	31040	9	84107	9	84107	9
		25		02381	9	02433	9	31041	9	84108	9	84108	9
		35		02382	9	02413	9	31038	9	84109	12	84109	12
		50		02383	5	02434	5	31039	5	84110	12	84110	12
		70		02384	5	02435	5	31040	5	84111	5	84111	5
		95		02385	5	02414	5	31041	5	84112	5	84112	5
		120				02437	3.5	31042	5	84113	5	84113	5
		150				02415	3.5	31043	5	84114	5	84114	5
		185						31297	5	84115	5	84115	5
		240						31338	5	84116	5	84116	5
		300								78453	6	78453	6
		400											
		500											
		630											
		800											
		1000											
	INDENTING	CROSS-SECTION (mm²)	CODE										
	NFC 20-130 XCT. - XG.	10-16-25-35-50	INDENTORS	02410		02466		31166					
		70-95-120		02411									
		10	DIE SETS	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											
	HEXAGONAL CRIMPING	CROSS-SECTION (mm²)	CODE										
		6	C6	02689	9	02701	9	31310	9				
		10	C10	02690	9	02702	9	31311	9	84117	9	84117	9
		16	C16	02691	5	02703	5	31312	2 × 5	84118	2 × 5	84118	2 × 5
		25	C25					31315	5	84119	2 × 5	84119	2 × 5
		35	C35										
		50	C50										
		70	C70										
		95	C95										
		120	C120										
		150	C150										
		185	C185										

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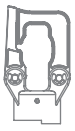
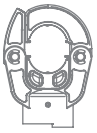
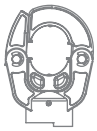
EARTHING CIRCUIT & INDUSTRIAL NETWORK

TUBULAR LUGS & SLEEVES – NFC 20-130

C CONNECTORS

	C130-XX BPE130 XPM130 BPP130X XC130-XX			H130 BPP130U XH130			XH250		XH450	
	DIE SET P/N	WIDTH (mm)	ADAPTER	DIE SET P/N	WIDTH (mm)	DIE SET P/N	WIDTH (mm)	DIE SET P/N	WIDTH (mm)
HEXAGONAL CRIMPING — CROSS-SECTION (mm²) — CODE									
NFC 20-130 XCT. - XG.									
4			A12D2: 85880						
6	80414	9		80414	9				
10	30218	9		30218	9				
16	30219	9		30219	9				
25	30220	9		30220	9				
35	30221	12		30221	12				
50	30222	12		30222	12	30525	12		
70	30223	12		30223	12	30526	12		
95	30224	12		30224	12	30527	12	30390	16
120	30235	12		30235	12	30528	12	77101	16
150	30236	12		30236	12	30444	16	77102	16
185	30237	12		30237	12	30445	16	77103	22
240	30228	12		30228	12	30446	16	77104	22
300	30229	12		30229	12	30447	16	77105	25
400	30452	9		30452	9	30414	16	30466	25
500						30448	16	77106	25
630						30449	16	77107	18
800								30469	3 × 6
1000								30470	18
INDENTING — CROSS-SECTION (mm²) — CODE									
NFC 20-130 XCT. - XG.									
10-16-25-35-50	30327		A12D2: 85880	30237					
70-95-120	30331			30331					
150-185-240	30335			30335					
10	30322	9		30322	9				
16	30323	12		30323	12				
25	30324	12		30324	12				
35	30325	12		30325	12				
50	30326	12		30326	12				
70	30328	16		30328	16				
95	30329	16		30329	16				
120	30330	16		30330	16				
150	30332	22		30332	22				
185	30333	22		30333	22				
240	30334	22		30334	22				
300									
HEXAGONAL CRIMPING — CROSS-SECTION (mm²) — CODE									
* Except BPE130									
6			A12D2: 85880						
10	80160	9		80160	9				
16	80161	2 × 5		80161	2 × 5				
25	80162	2 × 5		80162	2 × 5				
35									
50									
70	30562-01	18		30562-01	18				
95	91680	9		91680	9				
120	30781	5		30781	5				
150									
185									

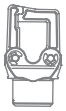
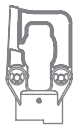
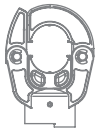
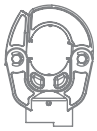
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				D31 BPE031 BPL031		D36 BPE036 BPL036		D51 BPE055 BPL055 XD51		D62 BPE062 BPL062 BPP062 XD62/XPM062		D80 BPP080	
													
	HEXAGONAL CRIMPING	CROSS-SECTION (mm²)	CODE	DIE SET P/N	WIDTH (mm)	DIE SET P/N	WIDTH (mm)	DIE SET P/N	WIDTH (mm)	DIE SET P/N	WIDTH (mm)	DIE SET P/N	WIDTH (mm)
EARTHING CIRCUIT & INDUSTRIAL NETWORK — TINNED FORGED COPPER LUGS	HUR - DPD 	16		02383	5	02434	5	31039	5	84110	12	84110	12
		25											
		35											
		50											
		70				02415	3.5	31043	5	84114	5	84114	5
		95											
		120											
		150											
		185								84116	5	84116	5
		240											
		DPD 29/25	E100	02393	5	02622	5	31047	5	84168	5	84168	5
INDUSTRIAL NETWORK CU/AL BIMETALLIC LUGS	NFC 63-061 ICAU - ACX. 	35	E140	02234	9	02377	9	31217	9	84170	9	84170	9
		50											
		70	E173			02376	9			84171	9	84171	9
		95											
		120											
		150	E235							84219	5	84219	5
		185											
		240											
		300	E260							84175	5	84175	5
LV INSULATED OVERHEAD LINE — PRE-INSULATED LUGS & SLEEVES	MJPB. MJPT. MJT. EBPAU. EDBPAU CCFBD CPTA. DP/CN. XN8S. EJAS EDAS CN. 	6	E140	02234	9	02377	9	31217	9	84170	9	84170	9
		10											
		16	d16 E140			02377	9			84170	9	84170	9
		25	d20 E173			02376	9			84171	9	84171	9
		35											
		50	E173			02376	9			84171	9	84171	9
		54.6											
		70											
		70 N											
		95											
		120	E215			02371	9	31093	9	84173	9	84173	9
		150											
		185	E280									84229	5
		240										84229	5
SLEEVES	MJPAS MJPASE - JAS 	50	E260										
		70											
		95											
		150											
SLEEVES	MJTAS MJTASE EJASE 	50	E215			02371	9	31093	9	84173	9	84173	9
		70											
		95											
		150											
		240/95N	E280									84229	5

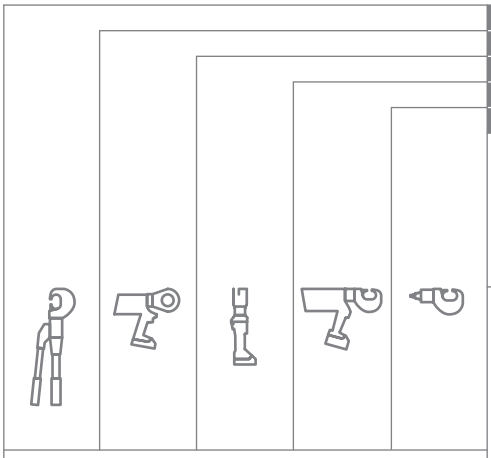
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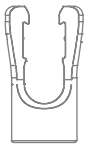
				C130-XX BPE130 XPM130 BPP130X XC130-XX		H130 BPP130U XH130		
				DIE SET P/N	WIDTH (mm)	ADAPTER	DIE SET P/N	WIDTH (mm)
	HEXAGONAL CRIMPING	CROSS-SECTION (mm²)	CODE					
EARTHING CIRCUIT & INDUSTRIAL NETWORK / TINNED FORGED COPPER LUGS	HUR - DPD	16		30222	12	A12D2: 85880	30222	12
		25						
		35						
		50						
		70		30236	12		30236	12
		95						
		120						
		150						
		185		30228	12		30228	12
		240						
		DPD 29/25	E100	80390	18		80390	18
EARTHING CIRCUIT & INDUSTRIAL NETWORK / INDUSTRIAL NETWORK CU/AL BIMETALLIC LUGS	NFC 63-061 ICAU - ACX.	35	E140	30578 80387	9 18	A12D2: 85880	30578 80387	9 18
		50						
		70	E173	30579 80388	9 18		30579 80388	9 18
		95						
		120						
		150	E235	30636 30358	9 18		30636 30358	9 18
		185						
		240						
		300	E260	80386	9		80386	9
LV INSULATED OVERHEAD LINE / PRE-INSULATED LUGS & SLEEVES	MJPB. MJPT. MJT. EBPAU. EDBPAU CCFBD CPTA. DP/CN. XN8S. EJAS EDAS CN.	6	E140	30578	9	A12D2: 85880	30578	9
		10						
		16	E140	30578	9		30578	9
		25	E173	30579	9		30579	9
		35						
		50	E173	30579	9		30579	9
		54.6						
		70						
		70 N						
		95						
		120	E215	30580	9		30580	9
		150						
		185	E280	30360-01	9		30360-01	9
		240						
LV INSULATED OVERHEAD LINE / SLEEVES	MJPAS MJPASE - JAS	50	E260	80386	9		80386	9
		70						
		95						
		150						
LV INSULATED OVERHEAD LINE / SLEEVES	MJTAS MJTASE EJASE	50	E215	30580	9		30580	9
		70						
		95						
		150						
		240/95N	E280	30360-01	9		30360-01	9

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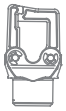
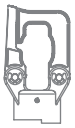
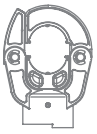
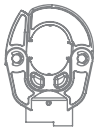
				D31 BPE031 BPL031		D36 BPE036 BPL036		D51 BPE055 BPL055 XD51		D62 BPE062 BPL062 BPP062 XD62/XPM062		D80 BPP080	
													
	HEXAGONAL CRIMPING	CROSS-SECTION (mm²)	CODE	DIE SET P/N	WIDTH (mm)	DIE SET P/N	WIDTH (mm)	DIE SET P/N	WIDTH (mm)	DIE SET P/N	WIDTH (mm)	DIE SET P/N	WIDTH (mm)
													
COPPER CONDUCTORS	JU 	7.07 (30/10)	E54	02436	5	02625	5	31047	5	84176	5	84176	5
		9.9 (35/10)	E68	02462	5	02626	5	31045	9	84177	9	84177	9
		10.8											
		12.56 (40/10)											
		12.4	E72	02486	5	02627	5	31044	5	84178	5	84178	5
		14.1											
		15.9 (45/10)											
		19.6 (50/10)											
		17.8	E83	02487	5	02628	5	31046	9	84179	9	84179	9
		22											
		27.6											
		28.26 (60/10)	E100	02393	5	02622	5	31047	5	84168	5	84168	5
		29.3											
		38.2											
		38.46 (70/10)											
		48.3	E120	02488	5	02629	5	31044	5	84169	5	84169	5
		59.7	E173			02376	9	31046	9	84171	9	84171	9
		74.9											
		93.3											
		116	E215			02371	9	31093	9	84173	9	84173	9
		146											
		182	E230							84174	5	84174	5
BARE LV/HVA OVERHEAD LINE — LIGHT ALLOY CONDUCTORS	JL - CN2AA CN2AU. - CNAA - ABT. - CB CBO. - RDB QN2AU. - AT - AB - AR - LR - ALR  ALUMINUM CRIMPING	22	E100	02393	5			31047	5	84168	5	84168	5
		34.4	E120	02488	5			31044	5	84169	5	84169	5
		43.1	E140	02234	9	02377	9	31217	9	84170	9	84170	9
		54.6											
		75.5	E173			02376	9			84171	9	84171	9
		93.3											
		117	E210					31048	5	84172	5	84172	5
		148	E230							84174	5	84174	5
		181.6	E250										
		228	E280										
ALUMINUM / STEEL CONDUCTORS	JAR - JALR - JLR  ALUMINUM CRIMPING	17.8	E120	02488	5			31044	5	84169	5	84169	5
		22											
		27.8											
		34.4											
		37.7	E140	02234	9	02377	9	31217	9	84170	9	84170	9
		43.1											
		54.6											
		58.9	E173			02376	9			84171	9	84171	9
		69.3											
		80											
		88											
		59.7	E210					31048	5	84172	5	84172	5
		116.2											
		75.5	E230							84174	5	84174	5
		147.1											
		181.6	E250										
		228	E280										

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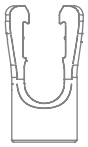


				C130-XX BPE130 XPM130 BPP130X XC130-XX		H130 BPP130U XH130		
								
	HEXAGONAL CRIMPING	CROSS-SECTION (mm²)	CODE	DIE SET P/N	WIDTH (mm)	ADAPTER	DIE SET P/N	WIDTH (mm)
BARE LV/HVA OVERHEAD LINE / COPPER CONDUCTORS	JU 	7.07 (30/10)	E54	80389	18	A12D2: 85880	80389	18
		9.9 (35/10)	E68	30346	18		30346	18
		10.8						
		12.56 (40/10)						
		12.4	E72	30347	10		30347	10
		14.1						
		15.9 (45/10)						
		19.6 (50/10)						
		17.8	E83	30348	18		30348	18
		22						
		27.6						
		28.26 (60/10)	E100	80390	18		80390	18
		29.3						
		38.2						
		38.46 (70/10)						
		48.3	E120	80152	18		80152	18
		59.7	E173	30353	14		30353	14
		74.9						
		93.3						
		116	E215	30580	9		30580	9
		146						
		182	E230	30357	10		30357	10
BARE LV/HVA OVERHEAD LINE / LIGHT ALLOY CONDUCTORS	JL - CN2AA CN2AU. - CNAA - ABT. - CB CBO. - RDB QN2AU. - AT - AB - AR - LR - ALR  ALUMINUM CRIMPING	22	E100	80390	18	A12D2: 85880	80390	18
		34.4	E120	80152	18		80152	18
		43.1	E140	30352	14		30352	14
		54.6						
		75.5	E173	30353	14		30353	14
		93.3						
		117	E210	30355	10		30355	10
		148	E230	30357	10		30357	10
		181.6	E250	30250	5		30250	5
		228	E280	30360	5		30360	5
BARE LV/HVA OVERHEAD LINE / ALUMINUM / STEEL CONDUCTORS	JAR - JALR - JLR  ALUMINIUM CRIMPING	17.8	E120	30351	9	A12D2: 85880	30351	9
		22						
		27.8						
		34.4						
		37.7	E140	30352	14		30352	14
		43.1						
		54.6						
		58.9	E173	30353	14		30353	14
		69.3						
		80						
		88						
		59.7	E210	30355	10		30355	10
		116.2						
		75.5	E230	30357	10		30357	10
		147.1						
		181.6	E250	80453	5		80453	5
		228	E280	30360	5		30360	5

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				D31 BPE031 BPL031		D36 BPE036 BPL036		D51 BPE055 BPL055 XD51		D62 BPE062 BPL062 BPP062 XD62/XPM062		D80 BPP080	
													
	HEXAGONAL CRIMPING	CROSS-SECTION (mm²)	CODE	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)
													
BARE LV/HVA OVERHEAD LINE ALUMINUM / STEEL CONDUCTORS	JAR - JALR - JLR	17.8	E54	02436	5	02625	5	31047	5	84176	5	84176	5
		22											
		27.8											
		34.4											
		43.1											
		37.7	E72	02486	5	02627	5	31044	5	84178	5	84178	5
		54.6											
		69.3											
		88											
		58.9	E100	02393	5	02622	5	31047	5	84168	5	84168	5
		80											
		59.7	E120	02488	5			31044	5	84169	5	84169	5
		75.5											
		116.2											
		147.1											
	STEEL CRIMPING	181.6	E135										
		228	E160										
COPPER OR ALUMINUM SECTORAL CABLE	PRE-ROUNDING	CROSS-SECTION (mm²)											
		6						31231	12				
		10				02637	9	31232	12				
		16				02638	9	31226	12				
		25				02639	9	31114	12	84134	35	84134	35
		35				02640	9	31115	12	84135	35	84135	35
		50				02641	9	31098	12	84136	35	84136	35
		70				02642	9	31099	12	84137	35	84137	35
		95				02643	9	31100	12	84138	35	84138	35
		120				02644	9	31101	12	84139	35	84139	35
		150						31102	12	84140	35	84140	35
		185						31103	12	84141	35	84141	35
		240						31233	12	84142	35	84142	35
		300											
		400											
		500											
		630											

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				C130-XX BPE130 XPM130 BPP130X XC130-XX		H130 BPP130U XH130		
								
				DIE SET P/N	WIDTH (mm)	ADAPTER	DIE SET P/N	WIDTH (mm)
BARE LV/HVA OVERHEAD LINE ALUMINUM / STEEL CONDUCTORS	HEXAGONAL CRIMPING	CROSS-SECTION (mm²)	CODE					
	JAR - JALR - JLR 	17.8	E54	30345	10	A12D2: 85880	30345	10
		22						
		27.8						
		34.4						
		43.1						
		37.7	E72	30347	10		30347	10
		54.6						
		69.3						
		88						
		58.9	E100	30349	10		30349	10
		80						
		59.7	E120	30351	9		30351	9
		75.5						
		116.2						
		147.1						
	STEEL CRIMPING	181.6	E135	80452	5			
		228	E160					
COPPER OR ALUMINUM SECTORAL CABLE	PRE-ROUNDING	CROSS-SECTION (mm²)						
		6				A12D2: 85880		
		10						
		16						
		25		84134	35		84134	35
		35		84135	35		84135	35
		50		84136 30518	35 60		84136 30518	35 60
		70		84137 30519	35 60		84137 30519	35 60
		95		84138 30520	35 60		84138 30520	35 60
		120		84139 30521	35 70		84139 30521	35 70
		150		84140 30522	35 70		84140 30522	35 70
		185		84141 30523	35 75		84141 30523	35 75
		240		84142 30524	35 75		84142 30524	35 75
		300		80449	60		80449	60
		400						
		500						
		630						

D25– 01/25 – Documentation not contractually binding

EARTHING CIRCUIT & INDUSTRIAL NETWORK
COPPER OR ALUMINUM LUGS AND SLEEVES – DIN 48083

HEXAGONAL CRIMPING	CROSS-SECTION (mm²) copper	CROSS-SECTION (mm²) aluminum	CODE	D31 BPE031 BPL031 DIE SET P/N	D31 BPE031 BPL031 WIDTH (mm)	D36 BPE036 BPL036 DIE SET P/N	D36 BPE036 BPL036 WIDTH (mm)	D51 BPE055 BPL055 XD51 DIE SET P/N	D51 BPE055 BPL055 XD51 WIDTH (mm)	D61 BPE061 BPL061 BPP061 XPM061 DIE SET P/N	D61 BPE061 BPL061 BPP061 XPM061 WIDTH (mm)	D62/D80 BPE062 BPL062 BPP062/080 XD62/XPM062 DIE SET P/N	D62/D80 BPE062 BPL062 BPP062/080 XD62/XPM062 WIDTH (mm)
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	95290	5	84121	5
			KZ 7									84190	5
	16		KZ 8	02526	5	02396	5	31124	5	95291	5	84122	5
			KZ 9									84191	5
	25		KZ 10	02527	5	02397	5	31122	5	95292	5	84123	5
			KZ 11					77488	5			84200	5
	35	25	KZ 12	02552	5	02398	5	31123	5	95293	5	84124	5
	50	35	KZ 14	02455	5	02399	5	31123	5	95294	5	84125	5
	70	50	KZ 16	02421	5	02400	5	31124	5	95295	5	84126	5
	95	70	KZ 18	02558	5	02401	5	31122	5	95296	5	84127	5
			KZ 19					31235	5				
	120		KZ 20			02403	4	31121	5	95297	5	84128	5
			KZ 21					31236	5				
	150	95&120	KZ 22			02512	4	31125	5	95298	5	84129	5
			KZ 23					31237	5				
	185	150	KZ 25					31113	5	95299	5	84130	5
	240	185	KZ 28					31339	5	95300*	5	84131	5
	300	240	KZ 32					31340	5			84133	5
		300	KZ 34									95019	5

*don't use for 240Cu

LV UNDERGROUND LINE
ALUMINUM AND CU – AL LUGS & SLEEVES

DEEP INDENTING	CROSS-SECTION (mm²)	CODE	H130 BPP130U XH130 DIE SET P/N FOR LUG	H130 BPP130U XH130 DIE SET P/N FOR SLEEVE	H130 BPP130U XH130 PUNCH PUNCH-HOLDER P/N: 30842	BPP200U XU250 DIE SET P/N	BPP200U XU250 DIE SET P/N	BPP200U XU250 ADAPTER	BPP200U XU250 PUNCH P/N
NFC 33-090-1 RJA - RJAU MJAU - CA CAU - QAU EAU - XCX XLX - XD - XG XB	16	0E	30861	30865	30392	30861	30865	2S1: 30857	30392
	25								
	35								
	50	1E	30862	30866	30393	30862	30866		30393
	70								
	95								
	120	2E	30863	30867	30394	30863	30867		30394
	150								
	185	4E	30864	30868	30395	30864	30868		30395
	240								
	300	5E				30858	30859		30860
	400								

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HEXAGONAL CRIMPING	CROSS-SECTION (mm²) copper	CROSS-SECTION (mm²) aluminum	CODE	C130-XX / BPE130 / XPM130 / BPP130X / XC130-XX DIE SET P/N	C130-XX / BPE130 / XPM130 / BPP130X / XC130-XX WIDTH (mm)	XH250 DIE SET P/N	XH250 WIDTH (mm)	XH450 DIE SET P/N	XH450 WIDTH (mm)
DIN 48083	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	30656	14
			KZ 15	30613	12				
	70	50	KZ 16	30302	12	30263	12	30657	14
			KZ 17			77257	14	30632	14
	95	70	KZ 18	30303	12	30264	12	30633	14
	95	70	KZ 18						
			KZ 19	30614	12				
	120		KZ 20	30304	12	30265	12	30655	14
			KZ 21	30615	12				
	150	95&120	KZ 22	30305	14	30266	14	30637	14
	185	150	KZ 25	30306	14	30267	14	30634	14
			KZ 27	30375	14				
	240	185	KZ 28	30307	14	30269	14	30638	14
			KZ 30	30308	5				
	300	240	KZ 32	30309	5	30269	16	30639	18
		300	KZ 34	30616	5	30270	16	30640	18
	400	400	KZ 38	77453	9	30271	16	30641	18
			KZ 38	78166	18				
			KZ 40						
	500		KZ 42			30272	16	30642	18
	630	500	KZ 44			30273	16	30643	18
	steel sleeve		KZ 46					77180	28
	800	630	KZ 52					30644	25
	1000	800	KZ 58					30645	25
		1000	KZ 60					30646	25



Above KZ 28, crimping can only be done with C heads stroke 38 mm.



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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 mm² copper cable: for crimping lugs	36DE68	5	02626
35 mm² 750 NE copper cable: for crimping lugs and extension sleeves	36DE90	9	02413-01
70 mm² 750 NE copper cable: for crimping lugs and extension sleeves	36DE120	5	02435-01
95 mm² 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 mm² copper cable: for crimping lugs	6DE68	15	84164
35 mm² 750 NE copper cable: for crimping lugs and extension sleeves	6DE90	10	84166
70 mm² 750 NE copper cable: for crimping lugs and extension sleeves	6DE120	9	84163
95 mm² 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	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 mm² stainless steel terminal	12DE77S	8	30564-01	7.393.6629
Catenary: for crimping 12 mm² bronze terminal	12DE85S	12	30560-01	7.393.6628
Catenary: for crimping 35 mm² 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	

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HEXAGONAL DIE SETS FOR SIGNALING AND TRACTION CURRENT RETURN

EXAMPLE OF USE	TYPE	WIDTH IMPRINT (mm)	P/N DUBUIS	SYMBOL SNCF
Cable 7.42 mm²: for crimping KUVS lugs	12DE68	18	30346-01	7.393.6718
35 mm² 750 NE cable: for crimping lugs and sleeves	HMPG35	12	30221-03	7.393.6547
70 mm² 750 NE cable: for crimping copper and bimetallic sleeves and lugs (copper part)	HMPG70	12	30223-03	7.393.6546
7.42 mm² – 35 mm² cable: for crimping MRS sleeves	12DE139MMRS	25	30211-01	7.393.6567
95 mm² aluminum cable: for crimping bimetallic lugs and sleeves (aluminum part)	12DE173	14	30353-01	7.393.6712
185 mm² 750 NE cable: for crimping lugs and sleeves	HMPG185	12	30237-03	7.393.6545
150 mm² aluminum cable: for crimping bimetallic lugs and sleeves (aluminum part)	12DE215	17	30356	
240 mm² rigid copper cable: for crimping CMS 240/12 lugs	12DE215/240	12	30228-03	
185 mm² 750 NE cable: for crimping bimetallic sleeves (copper part)	12DE220	12	30568-01	
240 mm² flexible copper cable: for crimping CMS 240S/12 lugs	12DE230/240S	12	30229-04	
240 mm² aluminum cable: for crimping bimetallic lugs and sleeves (aluminum part)	12DE268	17	30569-01	7.393.6711
240 or 262 mm² copper cable: jumper clamp fitting or terminal clamp	12DE290	14	30362	
25 mm² flexible cable: for crimping on core of cable lug LK25F/12	ECO-EGU25	10/06	30747-03	0.393.1150
95 mm² flexible cable: for crimping on core of cable lug LK95F/12	ECO95	12	30717-03	0.393.1152
95 mm² flexible cable: for crimping on insulation of cable lug LK95F/12	EGU95	14	30718-03	0.393.1151
185 mm² flexible cable: for crimping on core of cable lug LK185F/12 (1 500 V application)	ECO185	14	30744-03	0.393.1149
185 mm² 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 (mm²)	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

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SUBSTATION CRIMPING					
LUGS, CONNECTORS OR SLEEVES			CRIMPING DIE SETS 13 T		
	TYPE	SYMBOL N°	TYPE	P/N	SYMBOL
	TINNED COPPER FLAT LUG 95 MM² MR-TN-95		section 95 mm²	30224-01	
	TINNED COPPER FLAT LUG CDCT 116-12		section 120 mm²	30235-01	
	COPPER ROUND LUG E150² SIMEL 3309B DPD7 70		12DE170	30561	
	TINNED COPPER FLAT LUG 185 MM² 12-14 AND 16		HMPG185	30237-03	7.393.6545
	TINNED COPPER FLAT LUG 185 MM² CS 185	7.952.0775	HMPG185	30237-03	7.393.6545
	TINNED COPPER FLAT LUG 185 MM² CSG185+	7.952.0740	HMPG185	30237-03	7.393.6545
	LUG FOR CABLE 240 MM² ALUMINUM CAU-240		12DE268	30569-01	7.393.6711
	TINNED COPPER FLAT LUG 300 MM² MR 300		12DE268	30569-01	7.393.6711
	TINNED COPPER FLAT LUG 400 MM² 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 MM² MR 400		SH29	64123 (fixed) 64122 (moveable)	0.392.6521 0392.6503
	COPPER FLAT LUG 400 MM² INSULATED H32	7.880.4042	SH32	64121 (fixed) 64120 (moveable)	0.392.6522 0.392.6504
	COPPER FLAT LUG 400 MM² SIMEL 4496A (32) XD7 400 2D16		SH32	64121 (fixed) 64120 (moveable)	0.392.6522 0.392.6504
	ALUMINUM-COPPER FLAT LUG 400 MM²		SH36	64119 (fixed) 64118 (moveable)	0.392.6523 0.392.6505
	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.*

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GUIDE DIE SETS FOR HEXAGONAL CRIMPING

UTILIZATION (cross-sections in mm²)	DESIGNATION	P/N	SNCF SYMBOL
- Cable Cu 26 mm²: Half clamp for ribbed wire - Cable Al Steel 93,3/228: Junction sleeve (steel part), termination lug - Cable Bz 65.4: Repair fitting	SH 16	64107	0.392.6531
- 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 - 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)	SH 28.5	64117	0.392.6525
- 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 mm²)	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 - 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	SH 20.4	64126 64127	0.392.6501 0.392.6519
- Cable Bz 35/65/116 bare - Bz 35/65 protected – Al 188: Junction sleeve, termination lug - 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	SH 25	64124 64125	0.392.6502 0.392.6520
- Cable Cu 262: Junction sleeve, termination lug - 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	SH 29	64122 64123	0.392.6503 0.392.6521
- Cable Bz 116 bare and protected: Junction sleeve, termination lug, anchor sleeve - Cable Cu 185 mm²: Termination lug - Cable Copper 400 mm² insulated: Termination lug, junction Cu, connecting part	SH 32	64120 64121	0.392.6504 0.392.6522
- 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

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REINFORCED DIE SETS FOR HEXAGONAL CRIMPING

USES	DESIGNATION	MOVEABLE + FIXED DIE SETS		
		SNCF SYMBOL	P/N	NUMBER OF CRIMPS
- Dropper spliced end stainless steel 9.3 mm²	25DE77S	0.392.6545	64151	3
- Dropper spliced end bronze 12 mm²	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 - Jumper clamp fitting Bz 65/ Co 147 or 164 - Jumper clamp fitting Bz 116/ Co 147 or 164	SV 42	0.392.6536	64132	0.392.6542	64133

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	**DV29**	64138	0.392.6559	**DV13**	64139
- Jumper clamp fitting Bz 65/ Co 104.5 or 145.8 - Jumper clamp fitting Bz 65/ Co 147 or 164	0.392.6555	**DV42**	64140	0.392.6559	**DV13**	64139
- PP 116/ Co 104,5 or 147	0.392.6555	**DV42**	64140	0.392.6560	**DV18**	64141
- PP 116/ Co 240	0.392.6556	**DV52**	64142	0.392.6560	**DV18**	64141
- Co 262/ 104.5 or 147 or 164 or 240 or 262	0.392.6556	**DV52**	64142	0.392.6561	**DV24**	64143

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PERSONAL NOTES

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.





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SPECIAL **TOOLS**

ASBESTOS REMOVAL		BGC008 BOLT-CUTTER ON BOOM	page 156
BAR / ROD / IRON CUTTER		BCP008C BOLT CUTTER	page 157
		BCP016C -17C -18C BAR/ROD CUTTER ON POLE	page 158
		BCP20R REBAR CUTTER	page 160
NUT CRIMPING		ES51 SETTING TOOL FOR CRIMPING NUTS	page 161
PLATE PUNCHING		PO50 PUNCHING TOOL	page 162
PPE-LIFE LINE		MK31 SLEEVING TOOL	page 164
		BPP130 -1 -3 SLEEVING TOOL	page 165
		DIE SET EPI13411-3	page 164
		PPE DIE SET FOR CONNECTOR ON STAINLESS STEEL CABLE	page 168

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SYSTÈME BREVETÉ

ONLY DULY TRAINED OPERATORS CAN CARRY OUT THE TASKS DESCRIBED IN THIS SHEET. THE APPLICABLE RULES MUST BE STRICTLY OBSERVED.

AMIANTE









BGC008

NEW

> 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/s²

* 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)	P/N 78480
on request hose+remote-control kit 3 m	P/N 96808




Réf 95225C option


Réf 93582 included


Réf 95857C included

Utilisation de la XCP008 — https://sbd.deephow.ai/p/82PGeHxmMyeGzLWDnQXc

XCP008 comparatif technique de démantèlement de toit amianté — https://sbd.deephow.ai/p/UZ6blDjtCxPLoMBDruV5

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> 3 POSSIBLE CONFIGURATIONS

NEOELEC™

BCP008C

NEW

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.

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 wx h in mm)	450x300x90
WEIGHT (with battery)	4.600 kg
ACOUSTIC POWER LEVEL (LwA)	72.8 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

ACCESSORIES

5 AH 18 V LI-ION BATTERY	P/N DCB184G-XJ
CHARGER	P/N DCB1104-QW







DIMENSIONS (mm)	594 × 494 × 149
WEIGHT	3.660 kg

> Tool supplied in a case with 1 charger and 1 battery

HEADS



Réf : 95225



Réf : 93582



Réf : 95857

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> New head design, lighter, thinner, more ergonomic.

NEOELEC™

BCP017C

NEW

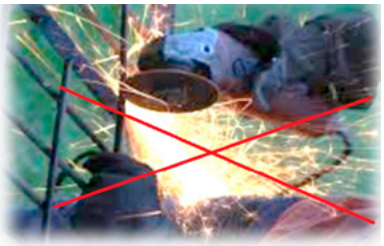
SHEARS ON POLE
18 V LI-ON BATTERY-OPERATED

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/mm²: 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/s²

ACCESSORIES	
5 AH 18 V LI-ION BATTERY	P/N DCB184G-XJ
CHARGER	P/N DCB1104-QW





CASE	P/N 95878



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> Cut concrete reinforcing steels with the battery-operated tool ***BCP20R****.*

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NEOELEC™

BCP20R

NEW

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.

FORCE		130 kN
BATTERY		18 V Li-Ion 4.0 Ah
CUTTING SPEED		9 s
BATTERY LIFE	Ø 10 mm	200 strokes
	Ø 16 mm	120 strokes
DIMENSIONS (L × w × h in mm)		430 × 90 × 310
WEIGHT		7.000 kg
ACOUSTIC POWER LEVEL (LwA)		75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION		<2.5m/s²



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





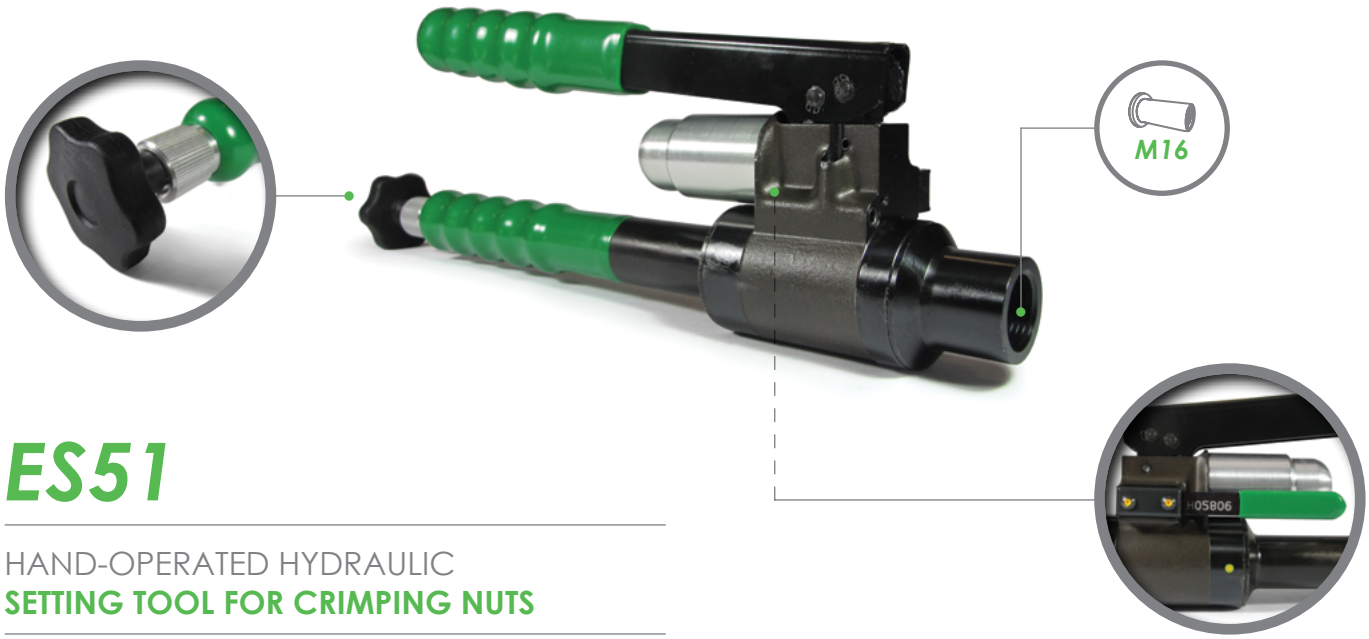
> *Case and charger supplied with the tool.*
> *Accessories*
See ***PAGE 98****.*

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****)*

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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.

ADJUSTABLE STROKE	0 to 7 mm
FORCE	50 kN
DIMENSIONS (L × w × h in mm)	380 × 135 × 55
WEIGHT	2.660 kg



DIMENSIONS (mm)	555 × 375 × 180
WEIGHT	3.900 kg
P/N	P/N 78479 *as an option+foam 95174*

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

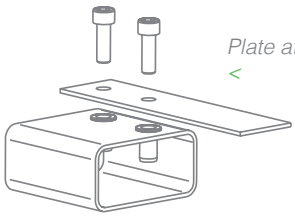


Plate attachment
<



TYPE	DRAW STUD P/N	LOCKNUT P/N	ANVIL P/N	KIT WITH 3 PARTS
M6	30174	30146	30175	30809
M8	30154		30150	30810
M10	30153		30149	30811
M12	30152		30148	30812
M14	30151		30147	30813
M16 *	30215		30214	30829

** Only possible with the OTALU (Rivklé) and SIMAF (Serbloc) 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.

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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.

ADJUSTABLE STROKE	21 mm
FORCE	50 kN
DIMENSIONS (L x W x h in mm)	350 × 130 × 55
WEIGHT	2.700 kg

> Reduction bushing, sleeve and flat spanner supplied with the tool.





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 × 375 × 180
WEIGHT	3.900 kg
P/N	P/N 96806 *as an option*

DRAW-STUD Ø 19 mm ¾	P/N 30198
DRAW-STUD Ø 9,5 mm ⅜	P/N 30199

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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.



E16 – 10/15 – Documentation not contractually binding
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> P/N 34915B
> Available in **BPL031** and **BPE031** battery-operated version *(crimping capacity identical to that of the tool*

MK31

STROKE	8 mm
FORCE	35 kN
DIMENSIONS (L ×w × h in mm)	200 × 50 × 175
WEIGHT	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



DIMENSIONS (L × w × h in mm)	350 × 260 × 85
WEIGHT	0.740 kg

> *Tool supplied in a case*

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> 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 x w x h in mm)	395 x 86 x 335	425 x 86 x 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/s²	<2.5m/s²

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

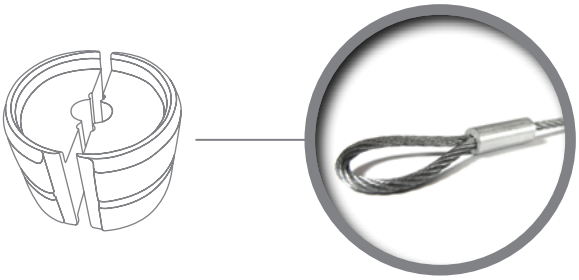
APPLICATIONS	CABLE Ø in mm
Non EN13411-3 standard	Ø0.5 to 2
as per standard EN13411-3	Ø2.5 to 6
LATCHWAYS connectors on stainless steel cables	Ø8

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*

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PPE DIE SETS AS PER STANDARD EN13411-3 FOR SLEEVE sahm zen 13411-3

AS PER STANDARD EN13411-3 FOR SLEEVE sahm zen 13411-3

Cable Ø in mm			TOOL Series 31: MK31 - BPE031 - BPL031 Series 62: D62 - BPE062 - BPL062 BPP062 - XD62 Series 130: C130 - BPP130 XC130 Series 450: XH450	Cables with single layer of round strands with textile and cable laid core				Cables with single layer of central steel core and non-rotating round strand cables				Cables with single layer of central steel core, non-rotating round strand cables and cables laid in parallel				Spiral cables (2 sleeves)			
				C ≥ 0.283				C ≤ 0.487				0.487 < C ≤ 0.613				C ≤ 0.613			
Nominal	min.	max.	Series	Sleeve No.	Die set P/N	Die set width	Number of passes	Sleeve No.	Die set P/N	Die set width	Number of passes	Sleeve No.	Die set P/N	Die set width	Number of passes	Sleeve No.	Die set P/N	Die set width	Number of passes
2.5	2.5	2.7	31	2.5	02442	8.75	2	3	02444	8.75	2	-	-			-	-		
					02478	12	1		02480	12	2								
			62		84184	12	1		84185	16	1								
			130		30407	12	1		30408	18	1								
3	2.8	3.2	31	3	02444	8.75	2	3.5	02472	8.75	2	-	-			-	-		
					02480	12	2		02482	12	2								
			62		84185	16	1		84186	16	1								
			130		30408	18	1		30502	18	1								
3.5	3.3	3.7	31	3.5	02472	8.75	2	4	02446	8.75	3	-	-			-	-		
					02482	12	2		02484	12	2								
			62		84186	16	1		84187	12	2								
			130		30502	18	1		30409	25	1								
4	3.8	4.3	31	4	02446	8.75	3	4.5	02474	8.75	3	-	-			5	02448	8.75	3
					02484	12	2												
			62		84187	12	2		30410	12	2						84189	12	2
			130		30409	25	1		30410	25	1						30411	25	1
																	77625	35	1
4.5	4.4	4.8	31	4.5	02474	8.75	3	5	02448	8.75	3	-	-			6	02450	8.75	4
			62		84188	12	2		84189	12	2						84220	12	3
			130		30410	25	1		30411	25	1						77449	25	2
									77625	35	1								
			450		-				-								30727	40	1
5	4.9	5.4	31	5	02448	8.75	3	6	02450	8.75	4	-	-			-	-		
			62		84189	12	2		84220	12	3								
			130		30411	25	1		77449	25	2								
					77625	35	1												
			450		-				30727	40	1								
6	5.5	5.9	31	6	02450	8.75	4	-	-			-	-			7	-		
			62		84220	12	3												
			130		77449	25	2										80566	25	2
			450		30727	40	1										-		
	6	6.4	31		02450	8.75	4					7	-				-		
			62		84220	12	3												
			130		77449	25	2						80566	25	2		80566	25	2
			450		30727	40	1						-				-		
7	7	7.4	130	7	80566	25	2	8	91212	14	3	9	30412	35	3	9	30412	35	3
													93332	14	2		93332	14	2
			450		-				30728	40	1		-				-		
8	7.5	7.9	130	8	91212	14	3	9	30412	35	1	9	30412	35	1	10	91211	14	3
									93332	14	2		93332	14	2				
			450		30728	40	1		-				-				30661	50	1
	8	8.4	130		91212	14	3		30412	35	1	10	91211	14	4		91211	14	3
									93332	14	2								
			450		30728	40	1		-				30661	50	1		30661	50	1
9	8.5	8.9	130	9	30412	35	1	10	91211	14	4	10	91211	14	4	11	91216	14	4
					93332	14	2												
			450		-				30661	50	1		30661	50	1		-		
	9	9.5	130		30412	35	1		91211	14	4	11	91216	14	4		91216	14	4
					93332	14	2												
			450		-				30661	50	1		-				-		
10	9.6	9.9	130	10	91211	14	4	11	91216	14	4	11	91216	14	4	12	77626	14	4
			450		30661	50	1		-				-				30507	50	2
	10	10.5	130		91211	14	4		91216	14	4	12	77626	14	4		77626	14	4
			450		30661	50	1		-				30507	50	1		30507	50	2
11	10.6	10.9	130	11	91216	14	4	12	77626	14	4	12	77626	14	4	13	91387	14	5
			450		-				30507	50	2		30507	50	2		-		
	11	11.6	130		91216	14	4		77626	14	4	13	91387	14	5		91387	14	5
			450		-				30507	50	2		-				-		
12	11.7	11.9	130	12	77626	14	4	13	91387	14	5	13	91387	14	5	14	-		
			450		30507	50	2		-				-						
	12	12.6	130		77626	14	4		91387	14	5	14	-				-		
			450		30507	50	2		-										
13	12.7	12.9	130	13	91387	14	5	-	-			-	-			-	-		
	13	13.7																	

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CAUTION: NOT SUITABLE FOR LIFTING ACTIVITIES

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 Series 31: MK31 - BPE031 - BPL031 Series 62: D62 - BPE062 - BPL062 - BPP062 - XD62 Series 130: C130 - BPP130 - XC130	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					30404	9	1
0.9	1	31		02634	8.75	1	-		
		62		84181	9	1			
		130		30404	9	1			
0.9	1.1	31	1.5	-			02438	8.75	1
		62					84182	9	1
		130					30405	9	1
1.1	1.5	31		02438	8.75	1	-		
		62		84182	9	1			
		130		30405	9	1			
1.2	1.6	31	2	-			02440	8.75	2
							02476	12	1
		62					84183	12	1
		130					30406	12	1
1.6	2	31		02440	8.75	2	-		
				02476	12	1			
		62		84183	12	1			
		130		30406	12	1			

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DUBUIS DIE SETS TO CRIMP CONNECTORS ON STAINLESS STEEL CABLES

DUBUIS die sets to crimp LATCHWAYS connectors on stainless steel cables

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
10	10.6	17.75	450	30372	22	3

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CAUTION: NOT SUITABLE FOR LIFTING ACTIVITIES

DUBUIS die sets to crimp BORNACK connectors on stainless steel cables

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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PERSONAL NOTES

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.

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EARTHING

OLEO-PNEUMATIC TOOL		PMA10	page 172
MANUAL SETTING TOOL		MTPM06-08-10	page 173
		MTPMXX	page 175
		XPH3INP XPH4INP XPH6INP	page 177
		MTPX06-08	page 179
BATTERY-OPERATED SETTING TOOL		BTEMXX	page 174
		XPH3INE XPH4INE XPH6INE	page 176
		BTPX06-08	page 178
DRILL BITS & OILS		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

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PMA10

> tool suitable for setting all DUBUIS earth bond P/Ns corresponding to M6, M8 and M10 interfaces

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

STROKE	8 mm
FORCE (adjustable)	9 to 28 kN
WEIGHT (tool with battery)	3.700 kg
NOISE LEVEL	<64dB(A)
HEAD DIMENSIONS (L x W X H)	270 x 140 x 320
PRESSURE (L x W X H)	5.5 bar
ACOUSTIC POWER LEVEL (LwA)	<64 dB(A)

** please contact us for imperial version*

ACCESSORIES

Dynamometer	P/N 80928
(delivered in box)	





DIMENSIONS (mm)	440 x 440 x 162
WEIGHT	2 kg
P/N	91356 *(supplied with the tool)*

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MTPM06-08-10

EARTH BOND SETTING TOOL
MANUAL

> used to effortlessly install threaded or tapped earth bonds

> tool suitable for installing all the DUBUIS earth bond P/Ns corresponding to the M6 and M8 type interfaces

Manual screwing
The earth bond is inserted directly

LIGHT & SIMPLE
easy to use

STROKE		8 mm
FORCE	MTPM06 (light blue) MTPM08 (dark blue) MTPM10 (green)	M6-10 kN M8-18 kN M10-25 kN
WEIGHT		1.350 kg
HEAD DIMENSIONS (L X Ø)		88x58

** please contact us for imperial version*



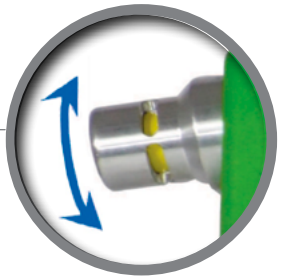
DIMENSIONS (mm)	285 x 303 x 82
WEIGHT (EMPTY)	0.9 kg
P/N	82802 *(supplied with the tool)*

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> 3-IN-1 TOOL
INTERCHANGEABLE BUSHINGS
AND NOSES







EARTH BOND SETTING
M6, M8 and M10

NEOELEC™
BTEMXX

NEW

EARTH BOND SETTING TOOL
18 V BATTERY-OPERATED

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
COLOR	YELLOW	BLUE	GREEN
TARING	10 kN	18 kN	25 kN
BUSHING	94874	94875	94876
NOSE	94877	94878	94879

STROKE	11 mm
FORCE (adjustable)	6 to 25 kN
CYCLE TIME (approx.)	2 s
BATTERY LIFE	>1000 insertions
DIMENSIONS (L x w x h in mm)	373 x 60 x 260
WEIGHT (with battery)	3.440 kg
ACOUSTIC POWER LEVEL (LwA)	74.9 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

** please contact us for imperial version*



DIMENSIONS (mm)	520 × 440 × 130
WEIGHT (WITH THE TOOLS)	6.2 kg

> *Case and charger supplied with the tool.*

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

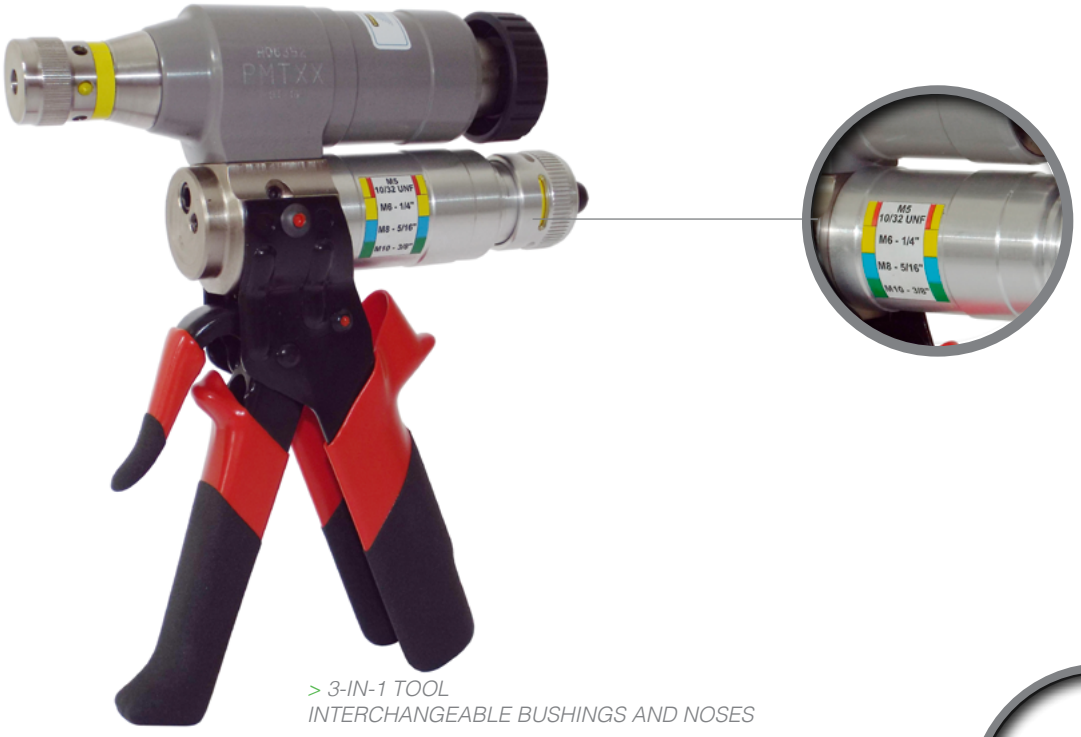
https://sbd.deephow.ai/p/0DAIKf2obfoUQQqZJMkk

BTEMXX vidéo commerciale

https://sbd.deephow.ai/p/MR21u2hPyQg8553dt3yj

Use of BTEMXX

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> 3-IN-1 TOOL
INTERCHANGEABLE BUSHINGS AND NOSES

MTPMXX

EARTH BOND SETTING TOOL
MANUAL

EARTH BOND SETTING
M6, M8 and M10



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

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

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NEOELEC™

XPH3INE-XPH4INE-XPH6INE

NEW

EARTH BOND SETTING TOOL
18 V BATTERY-OPERATED

With the remote hydraulic head, linked by an integral 70 cm-long flexible hose

> Head suitable for setting all DUBUIS 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). 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.

STROKE	8 mm
FORCE XPH3INE XPH4INE XPH6INE	M10-27 kN M12-37 kN M16-60 kN
WEIGHT (tool with battery)	2,700 kg
(remote head)	1.300 kg
HEAD DIMENSIONS (L × Ø x l)	98.2 x 66.4 x 111 mm
ACOUSTIC POWER LEVEL (LwA)	74.9 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

** please contact us for imperial version*



DIMENSIONS (mm)	520 × 440 × 130
WEIGHT (WITH THE TOOLS)	2.3 kg

> Case and charger supplied with the tool.

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

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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.

STROKE	8 mm
FORCE XPH3INP XPH4INP XPH6INP	M10-27 kN M12-37 kN M16-60 kN
WEIGHT (tool with battery)	2 kg
(remote head)	1.300 kg
HEAD DIMENSIONS (L X Ø)	88x58

** please contact us for imperial version*



DIMENSIONS (mm)	555 × 375 × 180
WEIGHT	3.9 kg
P/N	96806

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NEOELEC™

BTPX06-08

NEW

> *Head suitable for setting all DUBUIS short and long threaded earth bond P/Ns corresponding to M6-M8 interfaces*

EARTH BOND SETTING TOOL
18 V BATTERY-OPERATED

With the remote hydraulic head, linked by an integral 70 cm-long flexible hose

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.

STROKE	8 mm
FORCE BTPX06	M6-10 kN
BTPX08	M8-18 kN
WEIGHT (tool with battery)	2.700 kg
(remote head)	0.400 kg
HEAD DIMENSIONS (L × w x h)	48 x 44 x 40 mm
ACOUSTIC POWER LEVEL (LwA)	74.9 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

** please contact us for imperial version*



DIMENSIONS (mm)	520 × 440 × 130
WEIGHT (WITH THE TOOLS)	2.3 kg

> *Case and charger supplied with the tool.*

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

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MTPX06-08

NEW

> Head suitable for setting all DUBUIS short and long threaded earth bond P/Ns corresponding to M6-M8-M10 interfaces

EARTH BOND INSTALLATION TOOL
MANUAL

With the remote hydraulic head, linked by an integral 70 cm-long flexible hose

Manual screwing
The earth bond is inserted directly

ERGONOMIC
Earth bonds can be set without the space required for a battery-powered tool

STROKE	8 mm
FORCE MTPX06 MTPX08	M6-10 kN M8-18 kN
WEIGHT (tool with battery)	1.200 kg
(remote head)	0.400 kg
HEAD DIMENSIONS (L x w x h)	48 x 44 x 40 mm
TOOL DIMENSIONS (L x w x h)	169 x 125 x 47 mm

** please contact us for imperial version*



DIMENSIONS (mm)	440 x 440 x 162
WEIGHT	2 kg
P/N	91356 *(supplied with the tool)*

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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

	P/N	DRILLING Ø	DRILLING DEPTH
	OFE0850016	8.5 mm	16 mm
	OFE1050020	10.5 mm	20 mm
	OFE1150018	11.5 mm	18 mm
	OFE1350019	13.5 mm	19 mm
	OFE1500018	15 mm	18 mm
	OFE1900022	19 mm	22 mm

LONG DRILL BITS

	P/N	DRILLING Ø	DRILLING DEPTH
	OFE0850032	8.5 mm	32 mm
	OFE1050041	10.5 mm	41 mm
	OFE1150044	11.5 mm	44 mm
	OFE1350037	13.5 mm	37 mm
	OFE1500042	15 mm	42 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, **alu**fluid cutting fluid

P/N **80298**



Drilling in steel or stainless steel, **ferro**fluid cutting fluid

P/N **80300**

- **Reduced drill bit wear**
- **Longer bit service life**
- **Prevents chips from sticking**
- **Electrical neutrality**

BUSHING REMOVER



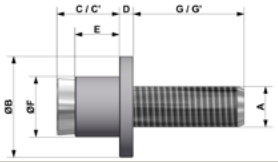
DRILLING DIAMETER	REMOVAL TOOL
Ø8.5	30725
Ø11.5	30700
Ø13.5	30595
Ø19	30671
Ø22	30705

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PERSONAL NOTES

THREADED MALE EB *(TEST, PERFORMANCE, STANDARDS & DIMENSIONS)*

▶ *UTILIZATION IN STEEL AND STAINLESS-STEEL PLATE*

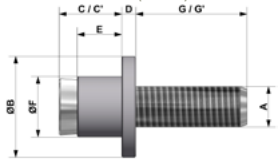
THREAD DIMENSIONS			M6	M6	M6	M6	M6	M6
PLATE THICKNESS			1.5 - 4 mm	1.5 - 4 mm	1.5 - 4 mm	1.5 - 4 mm	> 4	> 4
DRILLING DIAMETER (mm)			11.5 / 11.7	11.5 / 11.7	11.5 / 11.7	11.5 / 11.7	8.5 / 8.7	8.5 / 8.7
PACKAGING + VISUAL (20/BOX)								
DUBUIS P/N			80974	80923	77907	77905	80975	80925
ALSTOM P/N			DTR0000133407	DTR0000001260	DTR0000133407	DTR0000001260	DTR0000133656	DTR0000001261
BOMBARDIER P/N			*NA*	3EER100005-781	*NA*	*NA*	3EER400005-6424	*NA*
LONG DRILL BIT			OFE1150044	OFE1150044	OFE1150044	OFE1150044	OFE0850032	OFE0850032
SHORT DRILL BIT			OFE1150018	OFE1150018	OFE1150018	OFE1150018	OFE0850016	OFE0850016
SETTING TOOL					PMTC6 / PMA10			
A4-80 STAINLESS STEEL HARDWARE					81920 			
MAX. TIGHTENING TORQUE					10 N.m			
DIMENSIONS (mm) 	B		M6	M6	M6	M6	M6	M6
	C C'		16	16	16	16	16	16
	D		10.5 (6.5±2)*	10.5 (6.5±2)*	10.5 (6.5±2)*	10.5 (6.5±2)*	14 (12±1)*	14 (12±1)*
	E		4.5	4.5	4.5	4.5	3.5	3.5
	F		4.5	4.5	4.5	4.5	11	11
	G G'		11.5	11.5	11.5	11.5	8.5	8.5
			13 (17±2)*	21 (25±2)*	13 (17±2)*	21 (25±2)*	17 (19±1)*	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		25 µΩ	25 µΩ	25 µΩ	25 µΩ	25 µΩ	25 µΩ
	Stainless steel		120 µΩ	120 µΩ	120 µΩ	120 µΩ	75 µΩ	75 µΩ
RESISTANCE TO SHORT CIRCUIT	Steel		3 × 15 kA	3 × 15 kA	3 × 15 kA	3 × 15 kA		
	Stainless steel		3 × 10 kA	3 × 10 kA	3 × 10 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	290 mm²
CORROSION RESISTANCE 500HR SALT-MIST TEST - NF EN 3373	Steel		30 µΩ	30 µΩ	30 µΩ	30 µΩ	-	-
	Stainless steel		150 µΩ	150 µΩ	150 µΩ	150 µΩ	-	-
MECHANICAL CHARACTERISTICS:								
PULL-OUT STRENGTH NF F00-363		2 mm	400 daN	400 daN	400 daN	400 daN	-	-
		4 mm	-	-	-	-	500 daN	500 daN
SHEAR STRENGTH	Steel	1.5 mm	100 daN	100 daN	100 daN	100 daN		
	Stainless steel	4 mm	180 daN	180 daN	180 daN	180 daN	200 daN	200 daN
		1.5 mm	130 daN	130 daN	130 daN	130 daN		
		4 mm	180 daN	180 daN	180 daN	180 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**

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THREADED MALE EB *(TEST, PERFORMANCE, STANDARDS & DIMENSIONS)*

▶ *UTILIZATION IN STEEL AND STAINLESS-STEEL PLATE*

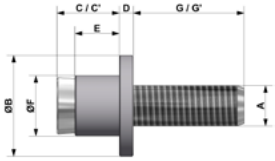
THREAD DIMENSIONS		M8	M8	M10	M10	M10	M10
PLATE THICKNESS		1.5 - 4 mm	> 4	2 - 4 mm	> 4	> 4	> 4
DRILLING DIAMETER (mm)		15 - 15.2	11.5 / 11.7	19 / 19.2	13.5 / 13.7	13.5 / 13.7	13.5 / 13.7
PACKAGING + VISUAL (20/BOX)							
DUBUIS P/N		81929	81928	80924	80926	81952	80945
ALSTOM P/N		DTR0000247260	DTR0000038412	DTR0000000083	DTR0000000084	DTR0000061617	DTR00211632A
BOMBARDIER P/N		*NA*	*NA*	3EER100005-783	3EER100005-784	*NA*	*NA*
LONG DRILL BIT		OFE1500042	OFE1150044	OFE1900051	OFE1350037	OFE1350037	OFE1350037
SHORT DRILL BIT		OFE1500018	OFE1150018	OFE1900022	OFE1350019	OFE1350019	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) 	B	M8	M8	M10	M10	M10	M10
	C C'	20	20	25	25	25	25
	D	12.5 (7±2)*	15 (12±1)*	12 (6.5±2)*	14 (12±1)*	16 (14±1)*	21.5 (19±1)*
	E	5.5	3,5	5.5	3.5	3,5	3.5
	F	4.5	11	4.5	11	13	17
	G G'	15	11.5	19	13.5	13.5	13.5
		16 (21.5±2)*	19 (22±1)*	25 (30.5±2)*	28 (30±1)*	28 (30±1)*	21 (23.5±1)*
WEIGHT		29 g	26 g	51 g	42 g	45 g	46 g
BUSHING MATERIAL				Tinned copper			Inox
ELECTRICAL CHARACTERISTICS:							
LUG / METAL SHEET - ELECTRICAL RESISTANCE NF F00-363	Steel	20 µΩ	20 µΩ	20 µΩ	20 µΩ	20 µΩ	90 µΩ
	Stainless steel	70 µΩ	70 µΩ	70 µΩ	60 µΩ	60 µΩ	-
RESISTANCE TO SHORT CIRCUIT	Steel	3 × 15 kA	3 × 20 kA	-	-	-	-
	Stainless steel	3 × 10 kA	3 × 15 kA	3 × 15 kA	3 × 20 kA	3 × 20 kA	-
ELECTRICAL CONTACT SURFACE BETWEEN THE EARTH BOND AND SUPPORT NF F00-363		210 mm²	400 mm²	270 mm²	465 mm²	550 mm²	720 mm²
CORROSION RESISTANCE 500HR SALT-MIST TEST - NF EN 3373	Steel	-	-	25 µΩ	-	-	-
	Stainless steel	-	-	90 µΩ	-	-	-
MECHANICAL CHARACTERISTICS:							
PULL-OUT STRENGTH NF F00-363	2 mm	300 daN	-	500 daN	-	-	-
	4 mm	-	600 daN	-	800 daN	-	-
SHEAR STRENGTH	Steel 2 mm	-	-	190 daN	-	-	-
	Steel 4 mm	-	-	340 daN	600 daN	-	-
	Stainless steel 2 mm	-	-	250 daN	-	-	-
	Stainless steel 4 mm	-	-	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**

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THREADED MALE EB *(TEST, PERFORMANCE, STANDARDS & DIMENSIONS)*

▶ *UTILIZATION IN ALUMINUM PLATE*

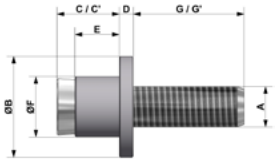
THREAD DIMENSIONS		M6	M6	M6	M6	M6	M6
PLATE THICKNESS		1.5 - 4 mm	1.5 - 4 mm	1.5 - 4 mm	1.5 - 4 mm	> 4	> 4
DRILLING DIAMETER (mm)		11.5 / 11.7	11.5 / 11.7	11.5 / 11.7	11.5 / 11.7	10.5 / 10.7	10.5 / 10.7
PACKAGING + VISUAL (20/BOX)							
DUBUIS P/N		80976	80958	77906	77904	80977	80960
ALSTOM P/N		DTR0000127255	DTR0000000074	DTR0000127255	DTR0000000074	DTR0000133695	DTR0000001263
BOMBARDIER P/N		3EER4000057272	3EER300001-0318	*NA*	*NA*	3EER400005-4645	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) 	B C C' D E F G G'	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 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 14.5 (12±1)* 3.5 11 10.5 16 (18.5±1)*	M6 16 14.5 (12±1)* 3.5 11 10.5 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 × 10 kA	3 × 10 kA	3 × 10 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	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 -	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	- - 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**

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THREADED MALE EB *(TEST, PERFORMANCE, STANDARDS & DIMENSIONS)*

► *UTILIZATION IN ALUMINUM PLATE*

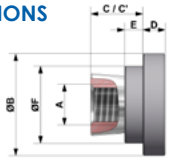
THREAD DIMENSIONS		M8	M8	M10	M10
PLATE THICKNESS		1.5 - 4 mm	> 4	2 - 4	> 4
DRILLING DIAMETER (mm)		15 / 15.2	13.5 / 13.7	19 / 19.2	15 / 15.2
PACKAGING + VISUAL (20/BOX)					
DUBUIS P/N		81931	81930	80959	80961
ALSTOM P/N		DTR0000190302	DTR0000314231	DTR0000001262	DTR0000000079
BOMBARDIER P/N		33GH000025-3623	*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) 	A	M8	M8	M10	M10
	B	20	20	25	25
	C C'	12.5 (7±2)*	15 (12±1)*	12 (6.5±2)*	15.5 (12±1)*
	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±2)*	19 (22±1)*	24.5 (30±2)*	27.5 (31±1)*
WEIGHT		19 g	22 g	34 g	36 g
BUSHING MATERIAL			Nickel-plated aluminum		
ELECTRICAL CHARACTERISTICS:					
LUG / PLATE - ELECTRICAL RESISTANCE NF F00-363		20 µΩ	20 µΩ	20 µΩ	20 µΩ
RESISTANCE TO SHORT CIRCUIT		3 × 15 kA	3 × 20 kA	3 × 20 kA	3 × 20 kA
ELECTRICAL CONTACT SURFACE BETWEEN THE EARTH BOND AND SUPPORT NF F00-363		210 mm²	465 mm²	270 mm²	520 mm²
CORROSION RESISTANCE 500HR SALT-MIST TEST - NF EN 3373		-	-	50 µΩ	-
MECHANICAL CHARACTERISTICS:					
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**

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THREADED MALE EB *(TEST, PERFORMANCE, STANDARDS & DIMENSIONS)*

► UTILIZATION IN STEEL AND STAINLESS-STEEL PLATE

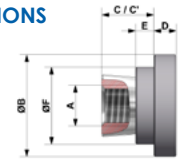
THREAD DIMENSIONS		M6	M6	M8	M8	M10
PLATE THICKNESS		> 4	1.5 - 4 mm	> 4	1,5 - 4 mm	2 - 4
DRILLING DIAMETER (mm)		11.5 / 11.7	11.5 / 11.7	13.5 / 13.7	15 / 15.2	19 / 19.2
PACKAGING + VISUAL (20/BOX)						
DUBUIS P/N		77902	81963	77945	81965	81967
ALSTOM P/N		NA	DTR0000209903	NA	NA	DTR0000361647
LONG DRILL 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	M6	M8	M8	M10
	B	16	16	25	20	25
	C C'	16 (12.5±1)*	10.5 (6.5±2)*	14.5 (10.5±1)*	12.5 (6.5±2)*	13 (6.5±2)*
	D	4.5	4.5	3.5	5.5	5.5
	E	11	4.5	7	4.5	4.5
	F	11.5	11.5	13.5	15	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	20 µΩ 70 µΩ
RESISTANCE TO SHORT CIRCUIT	Steel Stainless steel	- -	3 × 15 kA 3 × 10 kA	- -	3 × 15 kA 3 × 10 kA	 3 × 15 kA
ELECTRICAL CONTACT SURFACE BETWEEN THE EARTH BOND AND SUPPORT NF F00-363		400 mm²	160 mm²	300 mm²	210 mm²	270 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	500 daN 800 daN
WORKING TEMPERATURE RANGE				-50°C / +80°C		

* **Dimension after crimping**

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THREADED FEMALE EB *(TEST, PERFORMANCE, STANDARDS & DIMENSIONS)*

► *UTILIZATION IN ALUMINUM PLATE*

THREAD DIMENSIONS	*M6*	*M8*	*M8*	*M10*
PLATE THICKNESS	1.5 - 4 mm	1.5 - 4 mm	> 4	2 - 4
DRILLING DIAMETER (mm)	11.5 / 11.7	15 / 15.2	13.5 / 13.7	19 / 19.2
PACKAGING + VISUAL (20/BOX)				
DUBUIS P/N	81964	81966	77946	81968
ALSTOM P/N	DTR0000125537	DTR0000275700	*NA*	DTR0000125310
BOMBARDIER P/N	*NA*	*NA*	*NA*	3EER4000010-4201
LONG DRILL BIT **SHORT DRILL BIT**	OFE1150044 OFE1150018	OFE1500042 OFE1500018	OFE1350037 OFE1350019	OFE1900051 OFE1900022
INSTALLATION TOOL	PMTC6 / PMA10	PMT8 / PMA10		PMT10 / PMA10
A4-80 STAINLESS STEEL HARDWARE	78913	78914		78915
MAX. TIGHTENING TORQUE	10 N.m	20 N.m	25 N.m	30 N.m
DIMENSIONS (mm)  **A** **B** **C C'** **D** **E** **F**	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
WEIGHT	6 g	9 g	8 g	14 g
BUSHING MATERIAL		Nickel-plated aluminum		
ELECTRICAL CHARACTERISTICS:				
LUG / PLATE - ELECTRICAL RESISTANCE NF F00-363	60 µΩ	20 µΩ	40 µΩ	20 µΩ
RESISTANCE TO SHORT CIRCUIT	3 × 10 kA	3 × 15 kA	-	3 × 20 kA
ELECTRICAL CONTACT SURFACE BETWEEN THE EARTH BOND AND SUPPORT NF F00-363	160 mm²	210 mm²	300 mm²	270 mm²
CORROSION RESISTANCE 500HR SALT-MIST TEST - NF EN 3373	90 µΩ	-	-	-
MECHANICAL CHARACTERISTICS:				
PULL-OUT STRENGTH NF F00-363	250 daN 450 daN	200 daN 550 daN	- -	300 daN 650 daN
WORKING TEMPERATURE RANGE		-50°C / +80°C		

*** Dimension after crimping**

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RAILWAYS

CATENARY 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 & PHxIN setting tools
Rail drilling machines & accessories



D25 – 01/25 – Documentation not contractually binding

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			

D25– 01/25 – Documentation not contractually binding

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.

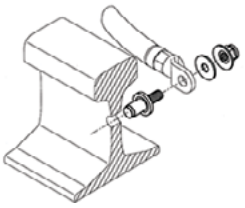
Therefore, as fitting is simple, it can be easily automated, which means that workshops can be kitted out with Point Crossing type Glued Insulated Block Joints, Expansion joints, Switches, etc.

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.



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.

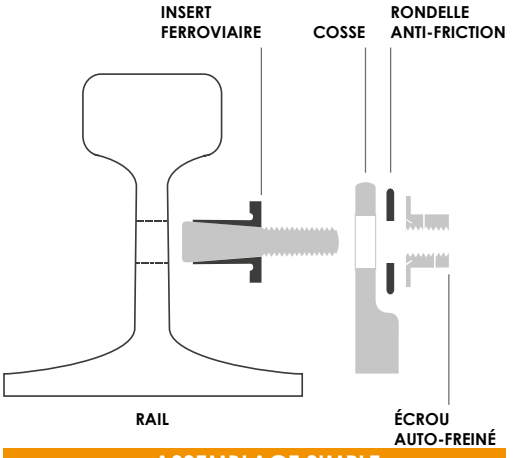
This concept meets the ever-stricter requirements of railway networks: **reliability, result independent from the operator, preserved rail soundness.**

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.

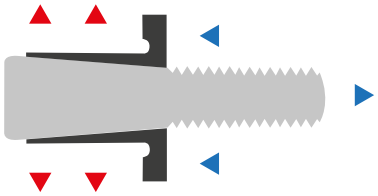
The earth bond is fitted with a hydraulic tool that, while holding the bushing in place in the rail, **expands** it by **calibrated traction on the dowel.**

EASY TO ASSEMBLE



ASSEMBLAGE SIMPLE

TENSILE STRESS

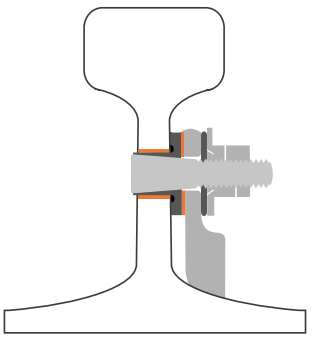


▶ CALIBRATED TRACTION ON THE DOWEL

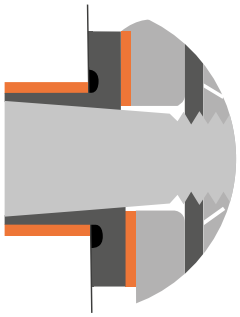
▲ THE BUSHING EXPANDS

USEFUL ELECTRICAL CONTACT AREAS

■ CONTACT & ELECTRICAL EXCHANGE SURFACES



ZONES DE CONTACT UTILES



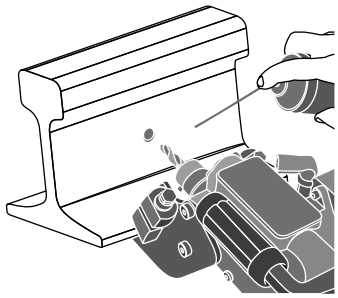
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SETTING

► QUICK & SIMPLE: IN ONLY 3 MINUTES

The rail is drilled

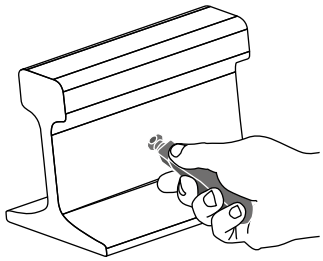
1





The hole is chamfered and cleaned

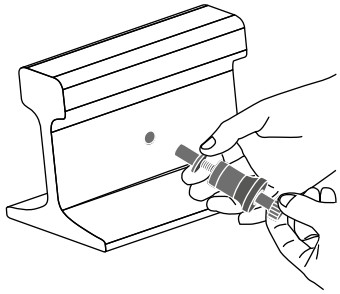
2





The earth bond is installed

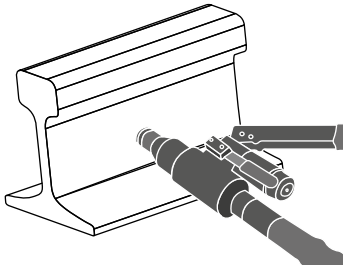
3





The earth bond is installed using the calibrated tool

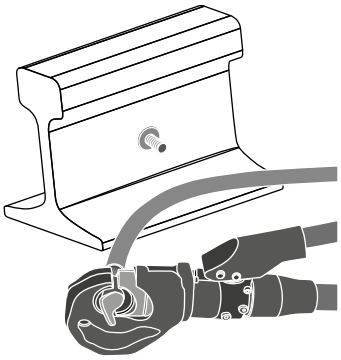
4





The lug is crimped

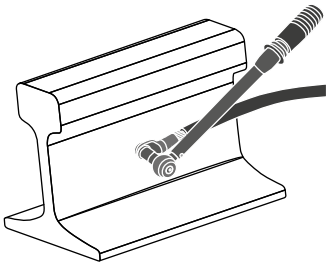
5





The nut is tightened using the torque wrench

6



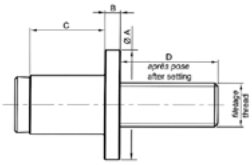


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RAIL BOND

► 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 mm²	453 mm²	721 mm²	640 mm²	275 mm²
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
	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**

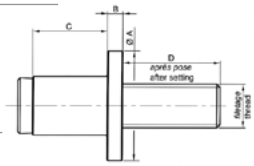
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RAIL BOND

▶ ELECTRICAL CONNECTION TO THE RAIL



THREAD	M12	M12D	M12D	M12	M16
DRILLING DIAMETER (mm)	Ø 19 > 19.2	Ø 19 > 19.2	Ø 19 > 19.2	Ø 22 > 22.2	Ø 22 > 22.2
RAIL WEB THICKNESS	17 mm max.	13 – 15 mm	16 – 18 mm	22 mm max.	22 mm max.
PACKAGING BOX OF 10 EARTH BONDS + HARDWARE					
EARTH BOND P/N	80917 / 77918	96860	77928	30987	30986
APPROVAL				**RAILTRACK**	**RAILTRACK**
BUSHING MATERIAL	Tin-plated copper	Tin-plated copper	Tin-plated copper	Tin-plated copper	Tin-plated copper
BUSHING LENGTH	17 mm	12.5 mm	15.5 mm	22 mm	22 mm
HARDWARE					
CONTACT SURFACE	1014 mm²	925 mm²	925 mm²	1451 mm²	1451 mm²
ADAPTER BORING DRILL BIT	80396 80373	80396 80373	80396 80373	80365 80373	80365 80373
INSTALLATION TOOL	PH4IN	PH4IN + draw stud 95456	PH4IN + draw stud 78410	PH4IN	PH6IN
TORQUE WRENCH + SOCKET	80967 +OFACS18H	80967 +OFACS18H	80967 +OFACS18H	80967 +OFACS18H	80968 +OFACS24H
TIGHTENING TORQUE	80 Nm	80 Nm	80 Nm	80 Nm	150 Nm
DIMENSIONS (MM) Ø A B C D (in rail thickness 16.5 mm)	30 5 17.5 24	30 4 12.5 26	30 4 15.5 24	30 5 22 31	35 5 22 37
WEIGHT	93 gr	170 gr	190 gr	122 gr	165 gr
ELECTRICAL CHARACTERISTICS					
TOTAL ELECTRICAL RESISTANCE	15 µΩ	15 µΩ	15 µΩ	10 µΩ	10 µΩ
ELECTRICAL RESISTANCE OF THE EARTH BOND – RAIL CONTACT	5 µΩ	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 5min at 2800 A.Constant current 8h at 1000 A
SHORT-CIRCUIT WITHSTAND STRENGTH					3 short-circuit tests at 34 KA 1 s
OTHER TESTS					
RESISTANCE TO THERMAL SHOCK					-30°C / +70°C
APPLICATION EXAMPLE	**Tramway**				



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BOND SETTING TOOLS

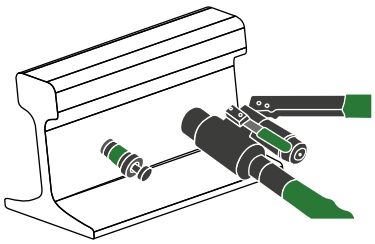
Rail bonds are set in place using a specific hydraulic tool that is used to fix the bond in the rail by expanding the bushing.

- 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.





1

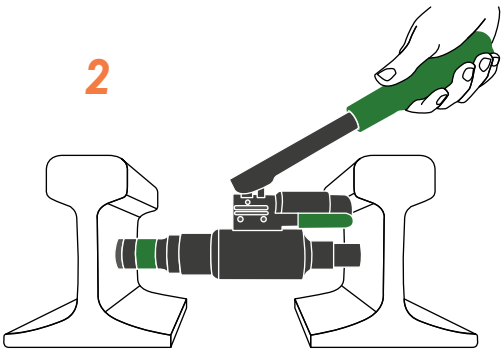


The pulling unit is screwed onto the rail bond and is positioned in the hole in the rail.

Pulling unit



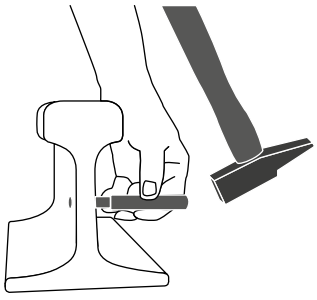
2



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.



3



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



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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.

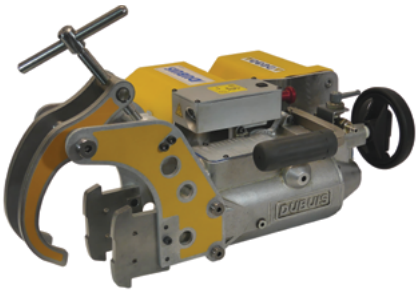


CASE

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).

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DP4CC





Tutoriel perçage Rail avec la DP4CC

https://sbd.deephow.ai/p/mlx4rNt1ZkSthpej1Rp9

SNCF APPROVAL DP4CC1SA/DP4CC11A: No 21272





BRUSHLESS MOTOR RAIL DRILLING MACHINE 2X54 V BATTERY-OPERATED

54 V 9 Ah

DRILLING CAPACITY

Ø7.1 to 38 mm with drill bit or annular cutter with central coolant supply. **See *PAGE 198*.**

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

REDUCTION GEARBOX OIL (capacity)	0.25L
SPEED OF ROTATION	410 rpm
BATTERY LIFE (Ø23 mm drilling)	27 drilling operations
DIMENSIONS (L x wx 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/s²

QUIETER THAN THE DP3AC VERSION
Accepts flexvolt 54 V dewalt 6, 9 and 12 Ah batteries

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*



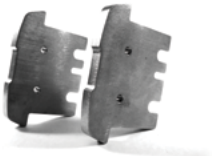
KIT FOR FASTENING TO RAIL

> *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*



DIMENSIONS (mm)	910 × 518 × 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

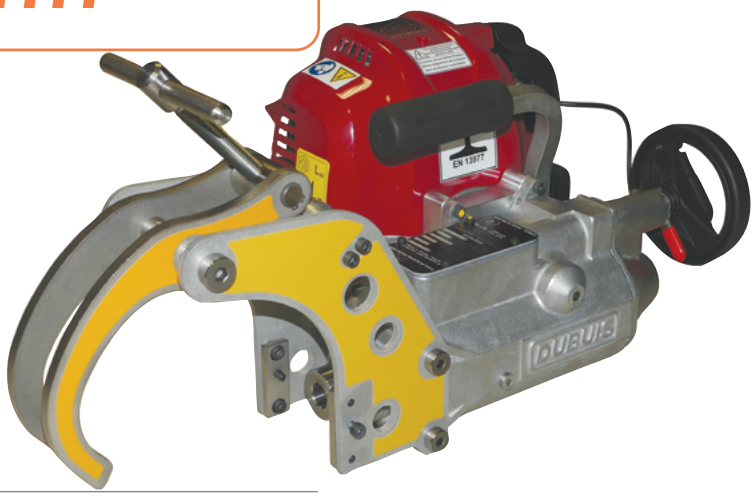
> *A chamfer of approximately 0.5 mm is made on each side of the hole to remove sharp edges and defects on the outside of the hole caused by drilling.*



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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

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/s²

HIGHER PERFORMANCE THAN THE DP3TH VERSIONS
(50% time-saving for Ø36 mm)
Meets the latest Stage V anti-pollution standards.

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*



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*



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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 1st part of the tool drills the rail, the 2nd part reams the hole.

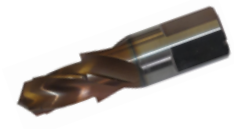
This technique guarantees an optimal surface finish and geometry, which cannot be obtained by drilling with a standard drill or annular cutter. To provide the best drilling quality, DUBUIS has chosen this method, in compliance with international standards on rail drilling.

DRILLING FOR ELECTRICAL CONNECTIONS

ONE-PIECE REAMER DRILL

The 1st part of the tool drills the rail, the 2nd 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
Ø28	95306
Ø 30	95249
Ø 33	95250
Ø 36	95251

*** Part numbers approved by the SNCF**

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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 × 280 × 375
LEVER LENGTH	910 mm
STANDARD	ASME B30.1, EN 1494:2009

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BRE020

NEW

▶ CATENARY TOOL, DECLAMPER





> ***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

NEOELEC™

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/s²



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

> *Case and charger supplied with the tool.*

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

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BDL041

▶CATENARY TOOL, HYDRAULIC KINK REMOVER (18V 2Ah)



XDH41 > réf. 82904
Existing for hydraulic group



CONTACT WIRE
copper, copper-cadmium, copper-tin, copper-magnesium



EXCELLENT WEIGHT-TO-PERFORMANCE RATIO
up to 150 mm²

SWITCHES OFF AUTOMATICALLY
To reduce battery consumption

ROTATIVE HEAD
180°.

LIGHTING
Workplace illumination by LED.

REMOVABLE HANDLE

Do not use on live cables.

STRAIGHTENING CAPACITY	107 - 150 mm²
FORCE	40 kN
CYCLE TIME (depends on the contact wire)	8 - 9 s
BATTERY LIFE (APPROX.)	90 cycles
DIMENSIONS WITH BATTERY (L x w x h in mm)	390 x 80 x 210
WEIGHT (with battery)	4.950 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²



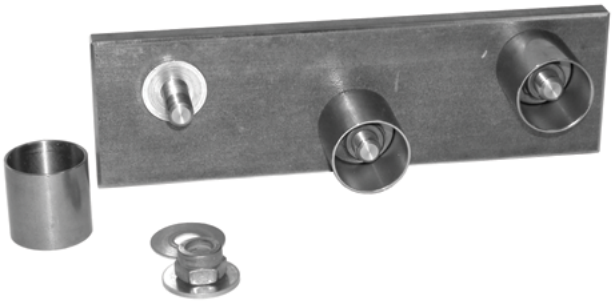
DIMENSIONS (mm)	555 x 375 x 180
WEIGHT	3.900 kg

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

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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

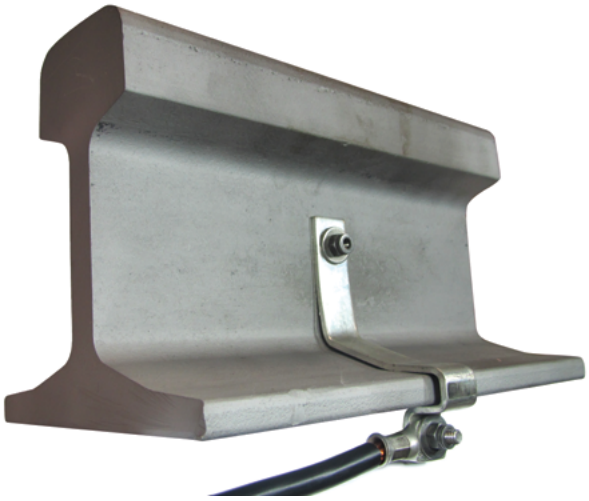


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PRCC

► 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 he 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	
HARDWARE TYPE	M6 stainless steel self-locking washer nut
MATERIAL	Tin-plated copper
TIGHTENING TORQUE	10 Nm

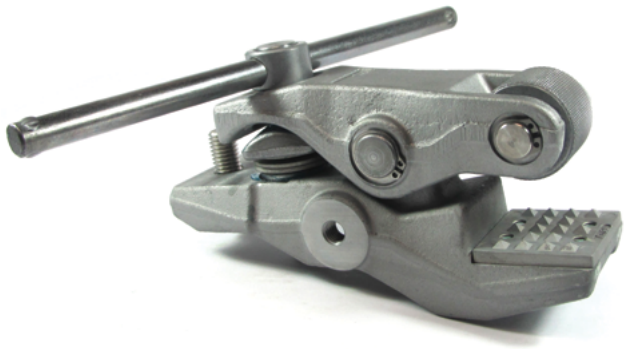
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MPR / CABLES

For the French market, these products are marketed by BARIOT

► RAIL FOOT CLAMP TEMPORARY CONNECTION CABLES

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

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.

TEMPORARY CONNECTION CABLES



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.

TECHNICAL CHARACTERISTICS					
NETWORK	LENGTH	2 m	3 m	4.5 m	10 m
25 000 V SECTION 40 mm²	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 mm²	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

DIFFERENT TYPES OF CONNECTION ARE POSSIBLE

CLR: Rail Grounding Connection
CV: Flying Connection
RS: Rail / Support Connection
RR: Rail / Rail Connection
Connection extension

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MPRG / CABLES

For the French market, these products are marketed by BARIOT

► GROOVED RAIL FOOT CLAMP TEMPORARY CONNECTION CABLES

GROOVED RAIL FOOT CLAMP



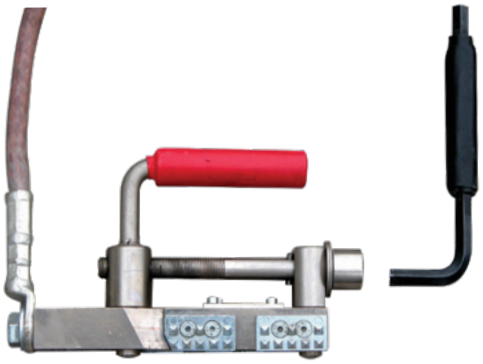
The MPRG rail foot clamp, joined to the TPU-Tram switch rod head via the connecting cable, is used to establish equipotentiality between overhead contact line and the grooved rail.

- 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.

TECHNICAL CHARACTERISTICS	
WEIGHT	1.700 kg
CABLE CONNECTION	M12 screws
RAIL NETWORKS	750 V or other, equipped with grooved rail

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

TEMPORARY CONNECTION CABLES



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 mm², 40 mm² and 95 mm² sections, and lengths of 2 m, 7 m and 10 meters *(for other lengths, please contact us).*

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TPU2

► DOUBLE ARCH UNIVERSAL SWITCH ROD HEAD





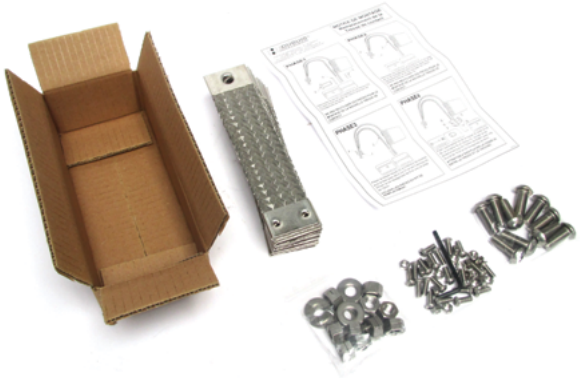
NON SNCF-APPROVED

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-mm² 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).



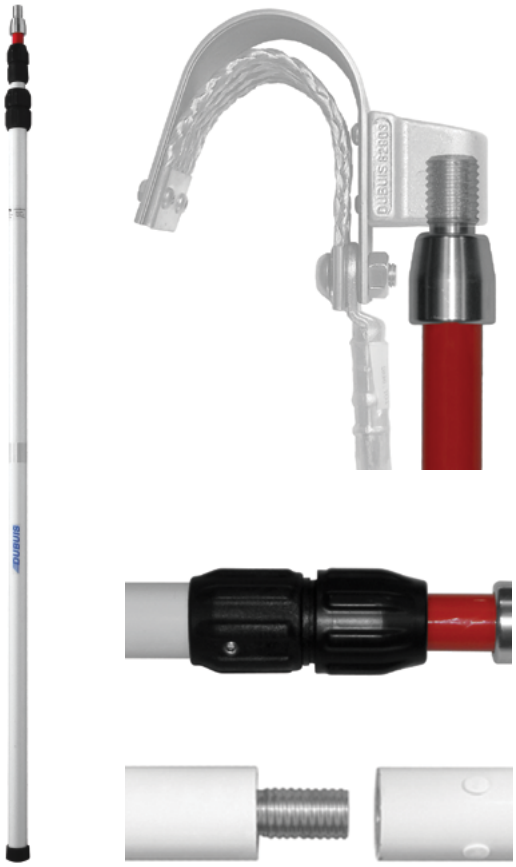
TECHNICAL CHARACTERISTICS

WEIGHT	1.160 kg
RAIL NEWORKS	750 V 1 500 V 3 000 V 15 000 V 25 000 V
SHORT-CIRCUIT WITHSTAND STRENGTH	80,000 A

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PITM

► INSULATED TELESCOPIC POLE WITH FOAM-COVER UPPER TUBE



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.



TECHNICAL CHARACTERISTICS

WEIGHT	3.500 kg
LENGTH	2.15 m to 5.60 m (or 7.60 m with extension)
RAIL NETWORKS	750 V 1 500 V 3 000 V 15 000 V 25 000 V
RED TUBE	Foam-covered upped tube in compliance with standard IEC 60855-1
WHITE TUBES	Hollow middle and lower tubes in compliance with standard IEC 61235

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TPU-TRAM

► TRAM SWITCH POLE HEAD





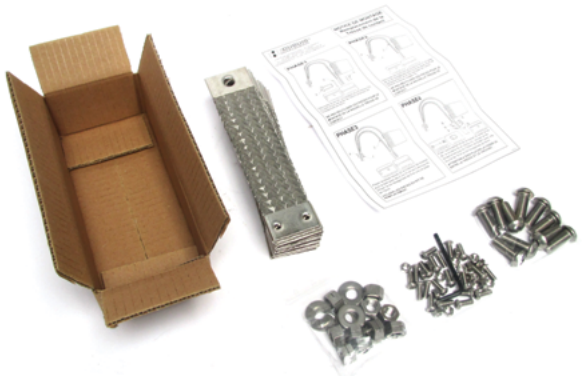
RATP-APPROVED

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-mm² 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).



TECHNICAL CHARACTERISTICS	
WEIGHT	0.920 kg
RAIL NETWORKS	750 V 1 500 V
SHORT-CIRCUIT WITHSTAND STRENGTH	35 000 A

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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.

TECHNICAL CHARACTERISTICS	
WEIGHT	1.200 kg + 2.600 kg
LENGTH	1.30 m + 2.20 to 3.90 m 5.90 m with extension
NETWORKS	750 V (or +)
RED TUBE	Foam-covered upper tube (standard IEC 60855-1) + reflective signaling cone
WHITE TUBES	Hollow middle and lower tubes (standard IEC 61235)

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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

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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 ½ a turn of the pole in the cone interlocks the 2 parts.

TECHNICAL CHARACTERISTICS	
CONE WEIGHT	0.520 kg
CONE DIMENSIONS	Ø max: 150 mm Height: 380 mm
BAYONET WEIGHT	0.200 kg
BAYONET DIMENSIONS	Ø max: 40 mm Height: 130 mm



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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 cable.
- Developed for the 1 500 V French network, it can be used on contact wires of 107 and 150 mm², as well as on auxiliary bearer cables of 104, 143 and 178 mm².

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).

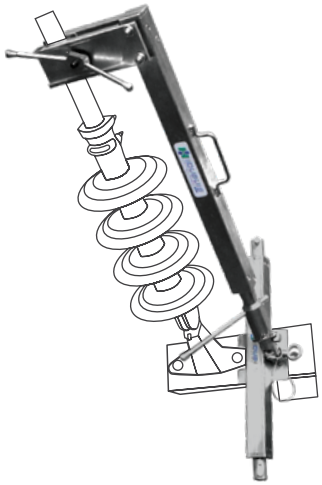
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FCCI

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► CANTILEVER UNIT INSULATOR CHANGING TOOL

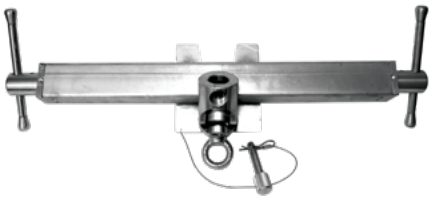
The Cantilever Unit Set supports the mechanical strain produced when replacing cantilever units or section insulators on catenary posts.
Fitted on the support, the cantilever foot is used to support the Cantilever Unit or Insulator Changing tool components to carry out maintenance operations on the 1 500 V or 25 000 V network.



PROVIDED UPON REQUEST

TECHNICAL CHARACTERISTICS

WEIGHT	15.600 kg
DIMENSIONS (mm)	750 × 300 × 300

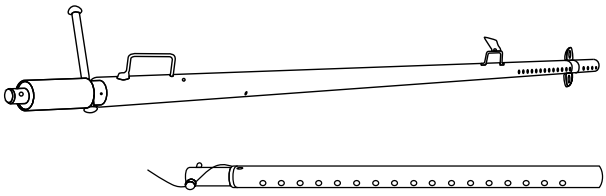


CANTILEVER FOOT

- 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.

TECHNICAL CHARACTERISTICS

CANTILEVER UNIT DIMENSIONS (mm)	3 425 × 95 × Ø 32.5
EXTENSION DIMENSIONS (mm)	1 000 × Ø 32.5



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).

TECHNICAL CHARACTERISTICS

WEIGHT	16.400 kg
DIMENSIONS (mm)	1 040 × 420 × 220



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.

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VHIS1500

► SECTION INSULATOR SETTING AND REMOVING TOOL



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

TECHNICAL CHARACTERISTICS	
FORCE	50 kN
WEIGHT	16 kg max.
DIMENSIONS (mm) DEPENDING ON EXTENSION	779 × 146 × 186 1 079 × 146 × 186
WORKING PRESSURE	700 Bar
NETWORK	1 500 V

CHOICE OF EXTENSIONS DEPENDING ON THE INSULATOR





	EXTENSION P/N 82888-476		EXTENSION P/N 82889-708			
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 × 320 × 200
WEIGHT	14.350 kg
P/N	Supplied with the tool
CAPACITY	VHIS1500 + 2 extensions

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VHIS25000

► SECTION INSULATOR SETTING AND REMOVING TOOL



SNCF APPROVAL № DPI 14082

The VHIS25000 tool is designed to fit or replace section insulators on the 25 000-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 25 000-V single catenary wire networks.
- Equipped with 2 interchangeable extensions designed to fit and replace Galland section insulators (see cross-reference table below).
- 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

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





	EXTENSION P/N 83834		EXTENSION P/N 83835	
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

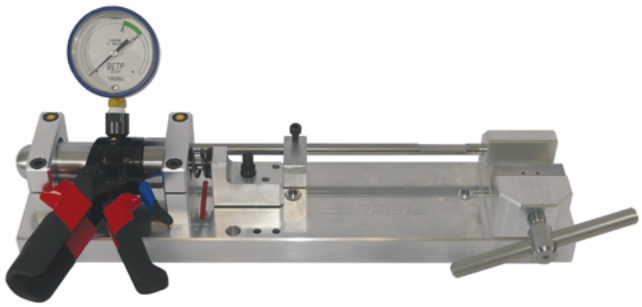


DIMENSIONS (mm)	1,230 × 260 × 115
WEIGHT	2.640 kg
P/N	Supplied with the tool
CAPACITY	VHIS25000 + 2 extensions

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BETP

► DROPPER CRIMPING TEST BENCH



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.

> P/N 82909-01

TRACTION FORCE	2.0 to 2.5 kN
DIMENSIONS (mm)	500 × 190 × 80
WEIGHT	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 mm² (Ø 11.5 mm) P/N 82893
  - Earth cable 95 mm² (Ø 16 mm) P/N 828994





CASE

DIMENSIONS (mm)	600 × 400 × 185
WEIGHT (empty)	3.260 kg
CAPACITY	tool + 3 clamping jaws

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PERSONAL NOTES

SANITARY CRIMPING TOOLS



Dubuis has a broad range of tools for sanitary crimping tasks



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SANITARY
RANGE

SANITARY RANGE		MPP040	page 220
		BPL062	page 221
		MJL034	page 222
		BJP034	page 223
DIE SETS & PLIERS		DIE SETS MPP040 AND BPL062	page 224
		PLIERS MJL034 AND BJP034	page 225

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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

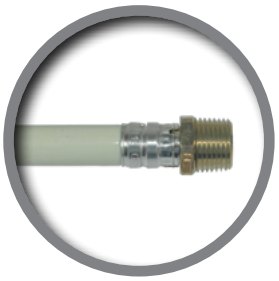
COMPATIBLE DIE SETS
With tool **BPL062**.

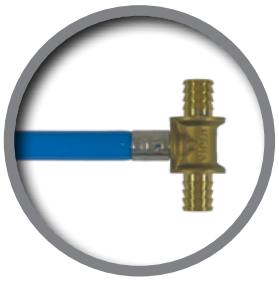
LIGHT & ERGONOMIC
One hand crimping.

MPP040

STROKE	9,5 mm
FORCE	34 kN
DIMENSIONS (L × w × h in mm)	255 × 55 × 195
WEIGHT	1.680 kg



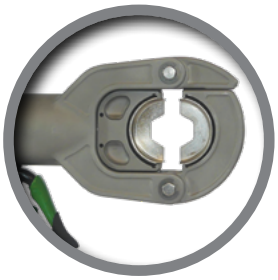


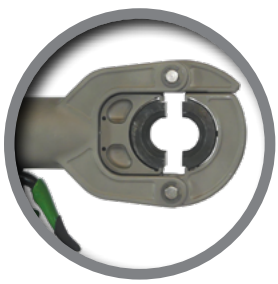


APPLICATIONS	CROSS-SECTIONS
Copper lugs and sleeves – NFC 20-130	4 > 150 mm²
Bare or pre-insulated copper/aluminum sleeves – EDF	E54 > E215
Copper/aluminum lugs and sleeves – DIN 48083	KZ4 > KZ22
C-shaped connectors	C6 > C16
Pre-rounding	10 > 120 mm²
Copper lugs and sleeves – NFC 20-130	10 > 95 mm²

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







DIMENSIONS (mm)	390 × 320 × 95
WEIGHT (with tool)	2.680 kg

> Case supplied with the tool.

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1 TOOL - 3 TRADES

ELECTRICIAN - PLUMBER - HEATING ENGINEER

BATTERY-OPERATED CRIMPING PRESS



QUICK OPENING & CLOSING
Easy to replace die sets.

VERY LIGHT HEAD
Excellent weight-to-capacity ratio.

COMPATIBLE DIE SETS
With tool **MPP040**.

ROTATIVE HEAD
180°.

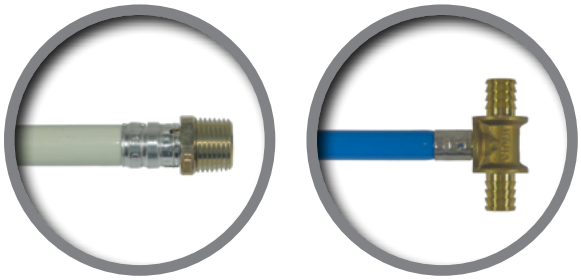
Do not use on live cables.

NEOELEC™

BPL062

STROKE	13 mm
FORCE	62 kN
CRIMPING TIME (depends on cross-section to be crimped)	3 to 5 s
BATTERY LIFE (approx. on 185 mm² copper)	220 crimps
DIMENSIONS (L × w × h in mm)	128 × 75 × 395
WEIGHT (with battery)	3.250 kg
ACOUSTIC POWER LEVEL (LwA)	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²

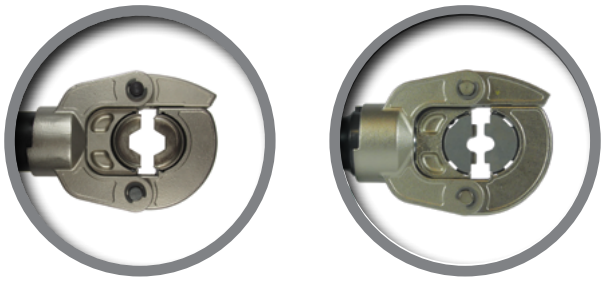




APPLICATIONS	CROSS-SECTIONS
Copper lugs and sleeves – NFC 20-130	6 > 300 mm²
Copper/aluminum lugs and sleeves – DIN 48083	KZ6 > KZ34
C-shaped connectors	C10 > C50
Pre-rounding	25 > 240 mm²
Bare or pre-insulated copper/aluminum sleeves	E54 > E280

MATERIAL	PROFILE	DESCRIPTION
PER	CO	CO12 to CO25
PER	Dn	Dn12 to Dn32
PER	H	H12 to H32
Multilayer	F	F14 toF32
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

> Interchangeable die sets





DIMENSIONS (mm)	471 × 415 × 116
WEIGHT (with tool)	5.500 kg

> Case supplied with the tool.

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MANUAL CRIMPING PRESS



FAST, SIMPLE & RELIABLE SYSTEM

MJL034

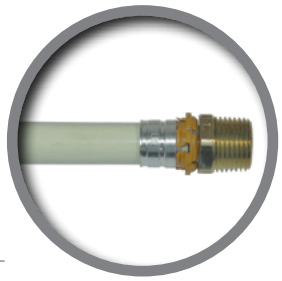
ROTATIVE HEAD
300°.

COMPATIBLE PLIERS
With tool **BJP034**.

2-SPEED HYDRAULIC SYSTEM
Less pumping action required.

STROKE	40 mm
FORCE	34 kN
DIMENSIONS (L × w × h in mm)	482 × 82 × 135
WEIGHT (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



DIMENSIONS (mm)	482 × 82 × 135
WEIGHT (with tool)	2.8 kg

> cover supplied with the tool.

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BATTERY-OPERATED CRIMPING PRESS



FAST, SIMPLE & RELIABLE SYSTEM

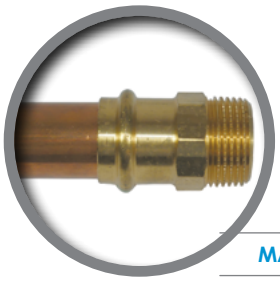
NEOELEC™

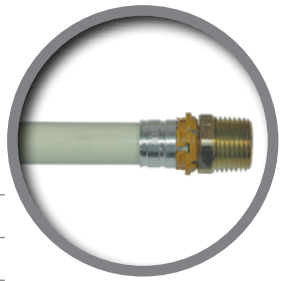
BJP034

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)²	75 dB(A)
THE EFFECTIVE WEIGHTED ACCELERATION	<2.5m/s²





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.

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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	-	✓					

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ELECTRIC DIE SETS D40-BPL062

PROFILE	DUBUIS P/N	D40	BPL062
4 mm²	93487	✓	✓
6 mm²	93488	✓	✓
10 mm²	93489	✓	✓
16 mm²	93490	✓	✓
25 mm²	93491	✓	✓
35 mm²	93492	✓	✓
50 mm²	93493	✓	✓
70 mm²	93494	✓	✓
95 mm²	93495	✓	✓
120 mm²	93496	✓	✓
150 mm²	93497	✓	✓
185 mm²	84115		✓
240 mm²	84116		✓
300 mm²	78453		✓

Die sets for tubular copper lugs and sleeves NFC20-130

PLIERS MJL034 - BJL034

SYSTEM	PROFILE	DUBUIS P/N	MJL034	BJL034
	G 16	93373	✓	✓
	G 20	93374	✓	✓
	G 26	93375	✓	✓
	G 32	93376	✓	✓
	G 40	93377	✓	✓
	G 50	93378	✓	✓
	H 12	93379	✓	✓
	H 14	93380	✓	✓
	H 16	93381	✓	✓
	H 20	93382	✓	✓
	H 25	93383	✓	✓
	H 26	93384	✓	✓
	H 32	93385	✓	✓
	HA 12	93386	✓	✓
	HA 16	93387	✓	✓
	HA 20	93388	✓	✓
	HA 26	93389	✓	✓
	HA 32	93390	✓	✓
	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	✓	✓

SYSTEM	PROFILE	DUBUIS P/N	MJL034	BJL034
	U 14	93414	✓	✓
	U 16	93415	✓	✓
	U 18	93416	✓	✓
	U 20	93417	✓	✓
	U 25	93418	✓	✓
	U 32	93419	✓	✓
	U 40	93420	✓	✓
	U 50	93421	✓	✓
	V 12	93422	✓	✓
	V 14	93423	✓	✓
	V 15	93424	✓	✓
	V 16	93425	✓	✓
	V 18	93426	✓	✓
	V 22	93427	✓	✓
	V 28	93428	✓	✓
	V 35	93429	✓	✓
	V 45	93430	✓	✓
	V 54	93431	✓	✓

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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.**

– **P/N 300342-DIG :** D31, D31-Elec, BPE031, BPL031

– **P/N 300436-DIG :**D36, D36-Elec, BPE036, BPL036

– **P/N 300791-DIG :** D31, D31-Elec, BPE031, BPL031, D36, D36-Elec, BPE036, BPL036

– **P/N 300234-DIG :** D62, D62-Elec, BPL062, BPP062

– **P/N: 30910-DIG :** C130, C130-Elec, H130, H130-Elec, BPP130

> **With removal of the head from the tool.**
– **P/N: 300405-DIG :** D51, D55 Elec, BPE055, BPL055

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

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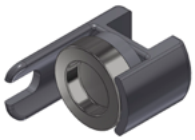
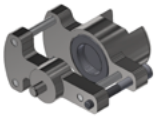
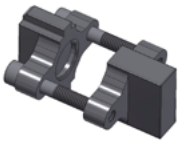
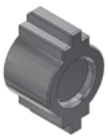
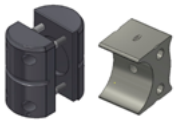


>Calibration verification of manual crimping tool ***C130-26***.

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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		230510	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****.*

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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



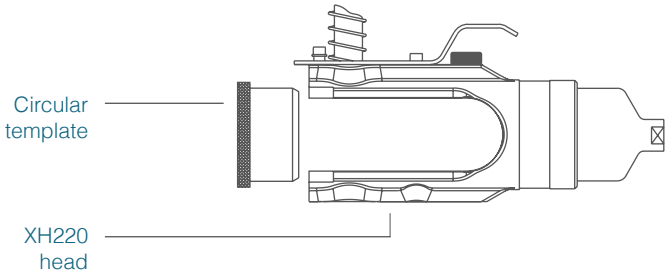
> For the verification of other tools, ***please contact us****.*

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CCUM

► DIE WEAR GAUGE





SNCF APPROVAL № IPM 03007

(concerning the 2 CCUM-Cat cases)

With the quality and conformity of your crimping operations in mind, DUBUIS has designed cases to periodically check the crimping tool and its die sets.

- A test gauge measures the force developed by the tool.
- A selection of double die set gauges is used to check hexagonal compliance of the die sets.
- Each gauge is specific to a die set section and is used to check the crimp shape in two axes: across flats and across flanks.
- It is validated without any possible interpretation.
- The manufacturing precision of these gauges is compliant with standard NFE 02-202.

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.*



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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)	☐	CORRESPONDING RAIL BOND THREAD	SOCKETS
	80997	5-25	1/4''	M6	OFACR10 
				M8	OFACR13 
	80967	20-100	1/2''	M10	OFACS16H 
	80968	40-200	1/2''	M12	OFACS18H 
				M16	OFACS24H 

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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

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PERSONAL NOTES

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ENERGY WITHIN
EASY REACH.

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