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25
LAT

General catalogue 2023/2024

Cable lines
Overhead lines
Railway traction network



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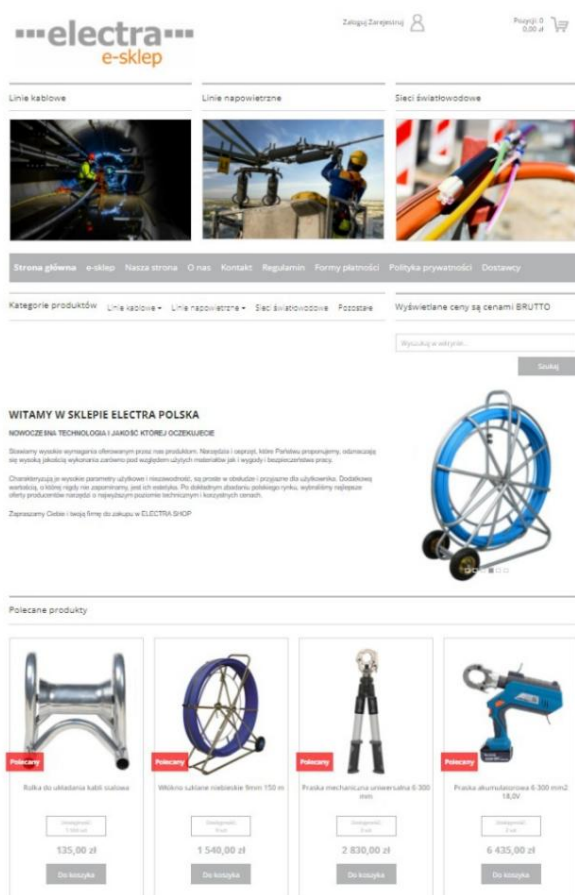
Hello

We present to you a new edition of the Electra Polska catalog containing all the most important products that make up the Electra Polska offer in the cable line construction equipment department.

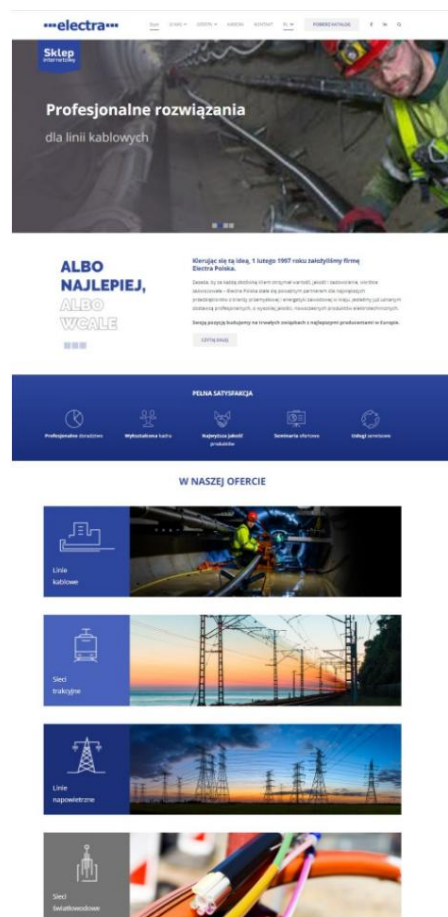
Electra Polska online

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Rollers and cable entries

Straight cable reels
Angled cable reels
Well drains Pipe drains
Cable tray rollers

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High-quality cable rollers

A basic but very important solution to use when laying and stretching cables is the use of a cable roller. With it, the process of pulling the cable is significantly shortened, while eliminating the risk of damage to the cable. In addition, the reel can be used in all conditions, as the materials used for the construction are characterised by high strength, as well as resistance to the negative effects of atmospheric factors such as rain, snow, sun or mud. The cable reels we offer are high-quality products, which can be used for many years thanks to their durability.

We are handing over to you the Electra Polska product catalogue containing professional cable routing systems with the widest product range on our market. Check us out face-to-face or online in our online shop at www.electrasklep.pl.



Cable roller

185 mm



Cable roller
Roller material : steel 185x110 mm
Roller bearing 6201 2RS

Steel frame , Steel roller

Corrosion protection

Load capacity up to 500 kg
Roller hidden under the frame prevents longitudinal cutting of the cable

Possibility of laying the roller on a previously laid cable
Maximum diameter of cable bundle 150 mm

model	cable	load	weight
K01	Ø 150 mm	500 kg	4,8

Cable roller , on steel plate

185 mm



Cable roller
Roller material : steel 185x110 mm
Roller bearing 6201 2RS Steel frame ,Steel roller

Corrosion protection , Load capacity up to 500 kg
Shaft hidden under the frame prevents longitudinal cutting of the cable
High roller stability by means of a steel plate to prevent sinking into the ground

Maximum cable bundle diameter 150 mm

Dimensions 300x250x250 mm

model	cable	load	weight
K02	Ø 150 mm	500 kg	4,8



Cable roller , nylon

155 mm



Cable roller

Roller material : nylon 155x120 mm - bearing steel frame protected
Roller load capacity 500 kg,
Maximum cable or bundle diameter up to 130 mm
Dimensions 295x215x250 mm

model	cable	load	weight
K04	Ø 130 mm	300 kg	3,5

Cable roller , steel

228 mm



Cable roller

Roller material : steel 228x105 mm
Roller bearing 6201 2RS ,
Steel frame Steel roller
Corrosion protection
Load capacity up to 500 kg
Roller hidden under the frame prevents longitudinal cutting of the cable
Possibility of laying the roller on a previously laid cable
Maximum diameter of cable bundle 200 mm

model	cable	load	weig
K05	Ø 200	500 kg	6,5

Cable roller, on steel plate

228 mm



Cable roller

Roller material : steel 228x105 mm
Roller bearing 6201 2RS
Steel frame ,Steel roller
Corrosion protection
Load capacity up to 500 kg
Shaft hidden under the frame prevents longitudinal cutting of the cable
High stability of the roller by means of a steel plate to prevent sinking into the ground
Maximum diameter of the cable bundle 200 mm

model	cable	load	weight
K06	Ø 200 mm	500 kg	7,0



Cable roller , steel

300 mm



Cable roller
Roller material : steel 300x105 mm
Roller bearing 6201 2RS Steel frame
Steel roller Corrosion protection
Load capacity up to 500 kg
Roller hidden under the frame prevents longitudinal cutting of the cable
Possibility of laying the roller on a previously laid cable
Maximum diameter of cable bundle 250 mm

model	cable	load	weight
K07	Ø 250 mm	500 kg	7,5

Cable roller , on steel plate

300 mm



Cable roller
Roller material : steel 300x105 mm
Roller bearing 6201 2RS Steel frame
Steel roller Corrosion protection
Load capacity up to 500 kg
Shaft hidden under the frame prevents longitudinal cutting of the cable
High stability of the roller by means of a steel plate to prevent sinking into the ground
Maximum diameter of the cable bundle 250 mm

model	cable	load	weight
K08	Ø 250 mm	500 kg	8,5

Cable roller , raised

185 mm



Cable roller high
Roller material : steel 185x120 mm - bearing
Protected steel frame
Roller load capacity 500 kg,
Maximum cable or bundle diameter up to 150 mm
Dimension 400x400x390 mm

model	cable	load	weight
K09	Ø 130 mm	500 kg	3,3



Cable guide starter roller



Cable guide starter roller
Positioned first behind the unwinding reel For guiding the cable on the cable pathway after it leaves the reel

model	cable		width	weight
K16/1	Ø 200 mm	1	1000 mm	13,5
K16/2	Ø 200 mm	1	700 mm	10,5

Cable and pipe guide support roller type V "sergeant"



Support rollers for cable pulling
Frame 650x300 mm
Steel rollers , Bearing-mounted
Construction from closed profile ,
Coating - galvanized
For collecting multiple cables at the gully

model	cable	load	weight
K18	420 mm Ø 200 mm	500 kg	10,5

Support rollers for pulling the tube
Frame 1000x300 mm
Steel rollers , Bearing-mounted
Construction from closed profile ,
Coating - galvanized

model	cable	load	weig
K19	560 mm Ø 200 mm		15,2

Auxiliary cable guide roller



Auxiliary cable guide roller
Steel roller 200x42 mm
External dimensions 760 x 450 x 540 mm
Load capacity 500 kg



model	cable	weight
K45	Ø 130 mm	27,0



Angled cable reel on frame

185 mm



Angled cable reel
185 mm roller length
Construction : profile frame
Dedicated to working on kinks
Roller material : steel , Optional solid roller
Bearing roller 6201 2RS
Steel frame , Steel roller
Corrosion protection,
Load capacity up to 500 kg
Maximum diameter of cable bundle 150 mm
Anchoring - holes in base Joining: eye to eye

horizontal	model roll	vertical roll	execution	cable	load	weight
K10/185 KS 185 KST 185	185 mm	185 mm	standard	Ø 150 spare roller standard 185 mm spare roller solid roller 185 mm	500 kg	13,2

Angled cable roller on frame

250 mm



Angled cable reel
Versions with extended roller length 250 mm
Construction: Profile frame
Dedicated to work on kinks
Roller material: steel
Optional solid roller
Bearing roller 6201 2RS
Steel frame , Steel roller
Corrosion protection
Load capacity up to 500 kg
Maximum diameter of cable bundle 200 mm
Anchoring - holes in base Joining: eye to eye

model	horizontal roller	vertical roll	execution	cable	load	weight
K10/250 KS 250 KST 250	250 mm	250 mm	extended	Ø 200 mm Spare roller standard 250 mm Spare roller solid roller 250 mm	500 kg	22,0

Angled cable roller on frame

300 mm



Angled cable reel
Design with ultra-long roller 300 mm Construction :
profile frame
Dedicated to working on kinks
Roller material : steel , Optional solid roller Bearing
roller 6201 2RS
Steel frame , Steel roller
Corrosion protection Load capacity up to 500 kg
Maximum diameter of cable bundle 250 mm
Anchoring - holes in base Joining: eye to eye

model	horizontal	vertical	execution	cable	load	Weight
K10/300 KS 300 KST 300	300 mm	300 mm	ultra long	Ø 250 mm Spare roller standard 300 mm Spare roller solid roller 300 mm	500 kg	22,0



Angled cable reel on frame

185 mm



Angled cable reel
185 mm roller length
Construction : steel plate
Roller material : steel ,Optional solid roller
Bearing roller 6201 2RS
Steel frame , Steel roller
Corrosion protection
Load capacity up to 500 kg
Maximum diameter of cable bundle 150 mm
Anchoring - holes in base Joining: eye to eye

horizontal	model roll	vertical roll	execution	cable	load	weight
K11/185 KS 185 KST 185	185 mm	185 mm	standard	Ø 150 mm spare roller standard 185 mm spare roller solid roller 185 mm	500 kg	16,0

Angled cable roller on frame

250 mm



Angled cable reel
Versions with extended roller length 250 mm
Construction: steel plate
Dedicated to working on kinks
Roller material: steel ,Optional solid roller
Bearing roller 6201 2RS
Steel frame , Steel roller
Corrosion protection
Load capacity up to 500 kg
Maximum diameter of cable bundle 200 mm
Anchoring - holes in base Joining: eye to eye

model	horizontal roller	vertical roll	execution	cable	load	weight
K11/250 KS 250 KST 250	250 mm	250 mm	extended	Ø 200 mm Spare roller standard 250 mm Spare roller solid roller 250 mm	500 kg	25,0

Angled cable roller on frame

300 mm



Angled cable reel
Design with ultra-long roller 300 mm
Construction : steel plate
Dedicated to work on kinks
Roller material : steel , Optional solid roller
Bearing roller 6201 2RS
Steel frame , Steel roller
Corrosion protection
Load capacity up to 500 kg
Maximum diameter of cable bundle 250 mm
Anchoring - holes in base Joining: eye to eye

model	horizontal	vertical	execution	cable	load	weig
K11/300 KS 300 KST 300	300 mm	300 mm	ultra long	Ø 250 mm Spare roller standard 300 mm Spare roller solid roller 300 mm	500 kg	25,0



Angled cable roller on steel plate Extended version

228 mm



Angled cable reel extended version

Roller material: steel

K12- steel bearing

Galvanised steel frame

Load capacity of horizontal rollers 500 kg, vertical rollers 500 kg Maximum cable or bundle diameter up to 200 mm

Dimension 380x340x330 mm

Anchoring - holes in base Joining: eye to eye

model	horizontal	vertical	execution	cable	load	weig
K12	228 mm	228 mm	extended	Ø 200		13,2

Angled cable roller on steel plate version self-righting rollers

228 mm



Angled cable reel extended version

Roller material: steel

K15- steel bearing

Protected steel frame

Load capacity of horizontal rollers 500 kg, vertical rollers 500 kg Maximum cable or bundle diameter up to 180 mm

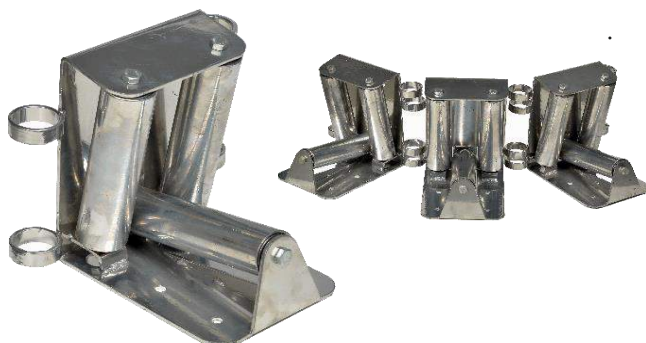
Dimension 380x340x330 mm

Anchoring - holes in base Joining: eye to eye

vertical	model roll	horizontal roll	execution	cable	load	weight
K15	228 mm	228 mm	self-aligning rollers	Ø 200 mm	500 kg	14,0

Angled cable roller on steel plate

285 mm



Roller for pulling cable and pipe through bends

Roller material: - steel 285x60 mm - bearing

Protected steel frame

Maximum diameter of cable, bundle or tube up to 200 mm

Dimension 290x320x300 mm

Anchorage - holes in base Joining: eyelet (4 pcs)

model	horizontal roller	vertical roll	execution	cable	load	weight
K13	285 mm	285 mm	extended	Ø 220 mm	500 kg	12,3

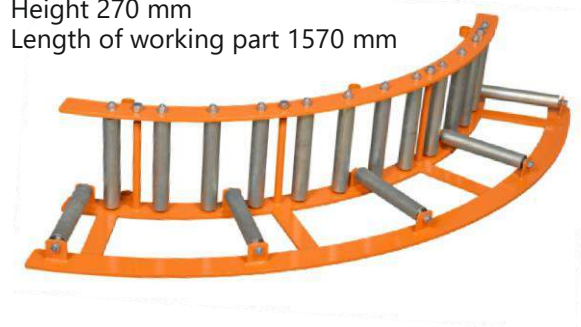


Crumple roller assembly

Crumple roller assembly

Construction on powder-coated steel frame
Vertical rollers 12 pieces - size 250x42 mm
Horizontal rollers 5 pieces - size 250x42 mm

Length 1300 mm
Height 270 mm
Length of working part 1570 mm



model	cable	radius	weight
K17	Ø 200 mm	R157	30.0 kg

Cable inlets for manholes



Roller gully for wells
Protection of the introductory parts against abrasion
Solid, heavy base plate 380x250 mm



model	roller
K22/1	Ø155 mm steel
K22/2	Ø155mm nylon
K22/3	Ø60 mm polyamide 16 mm fibre

Cable entry into manhole
Bent version , galvanised
Large steel base



model	cable	radius	weight
K23/100	Ø 100 mm	R400	9,8



Well gully with 3 guide rollers



Well gully with 3 guide rollers steel or aluminium bearing on steel frame

Bending radius 420 mm , outer diameter 185 mm

model	cable	radius	weight
K20	Ø 120 mm	R420	18,3

Well gully with 6 guide rollers



Angle roller set - 6 elements

Roller material: steel

K21/6 - steel 230x120 mm-bearing

Galvanised steel construction Load capacity of vertical rollers 500 kg
Maximum cable or bundle diameter up to 150 mm
Dimensions 1050x1050x240 mm

model	cable	load	weight
K21/6	steel Ø 180 mm	500 kg	20,0

Well gully with 8 guide rollers



Angle roller set - 8 elements

Roller material: steel

K21/8 - steel 230x120 mm - bearing

Galvanised steel construction Load capacity of vertical rollers 500 kg
Maximum cable or bundle diameter up to 150 mm
Dimensions 1150x1150x250 mm

model	cable	load	weight
K21/8	steel Ø 180 mm	500 kg	24,0



Pipe laying drain

Cable duct entry straight version,
galvanised
Adjustable sleeve - locking bolt size in tube



model	dedicated	tube width adjustment	weight
K30/110	Ø 110 mm	Ø 84-110 mm	2,75
K30/125	Ø 125 mm	Ø 103-125 mm	3,25
K30/140	Ø 140 mm	Ø 117-142 mm	3,75
K30/160	Ø 160 mm	Ø 133-160 mm	4,80
K30/200	Ø 200 mm	Ø 169-195 mm	5,90
K30/230	Ø 230 mm	Ø 188-213 mm	6,80
K30/250	Ø 250 mm	Ø 195-220 mm	7,80
K30/280	Ø 280 mm	Ø 223-248 mm	8,90

Cable entry/exit pipe gully

Cable entry/exit pipe entry aluminium roller
With single-roller removal , spacer in pipe,
Galvanised Ball bearings Adjustable sleeve -
size locking screw



model	dedicated	tube width adjustment	weight
K33/110	Ø 110 mm	Ø 84-110 mm	4,80
K33/125	Ø 125 mm	Ø 103-125 mm	5,30
K33/140	Ø 140 mm	Ø 117-142 mm	5,60
K33/160	Ø 160 mm	Ø 133-160 mm	5,90
K33/200	Ø 200 mm	Ø 169-195 mm	6,20

Pipe laying drain

Pipe groove - Standard version With 4 rollers and
cable entry in pipe , **Closed version**
Ball bearings



model	dedicated	tube width adjustment	weight
K37/110	Ø 110 mm	Ø 84-110 mm	12,0
K37/125	Ø 125 mm	Ø 103-125 mm	14,2
K37/140	Ø 140 mm	Ø 117-142 mm	15,0
K37/160	Ø 160 mm	Ø 133-160 mm	15,8
K37/200	Ø 200 mm	Ø 169-195 mm	17,0
K37/230	Ø 230 mm	Ø 188-213 mm	20,5
K37/250	Ø 250 mm	Ø 195-220 mm	22,3
K37/280	Ø 280 mm	Ø 223-248 mm	25,3



Manhole clearing gully with one guide roller



Manhole clevis with one guide roller Working range 300-400 mm

Nylon roller 160x70 mm Skid
25cm
Weight 5.3 kg

model	adjustable spacing	weig
K25	300-400 mm	5.0 kg



Manhole insertion with 1 roller , strutted **steel**
roller 110 mm diameter
Roll width 210 mm

model	adjustable spacing	roll width	weig
K26	400-800 mm	110 mm	8.2 kg

Cable protection cover with cable stop and holder



Cable arch guard with stop and bracket for use at duct outlets,
Galvanised steel

model	diameter inner tube	max. cable diameter	L (mm)	weight
K38/2/42	Ø 42 mm	Ø 35 mm	490	0,4
K38/2/56	Ø 56 mm	Ø 50 mm	490	0,7
K38/2/76	Ø 76 mm	Ø 68 mm	520	1,2
K38/2/90	Ø 90 mm	Ø 80 mm	570	2,0
K38/2/100	Ø 100 mm	Ø 92 mm	585	2,4

Crimp-on protective cover



Crimped cable arc cover
for use in sewer outlets, galvanised
steel

model	diameter inner tube	max diameter cable	L (mm)	weight
K38/3/42	Ø 42 mm	Ø 39 mm	250	0,4
K38/3/56	Ø 56 mm	Ø 54 mm	250	0,7
K38/3/76	Ø 76 mm	Ø 74 mm	350	1,2
K38/3/100	Ø 100 mm	Ø 98 mm	350	3,3



Cable tray roller



Cable tray roller

Allows multiple cables to be pulled simultaneously using independent rollers.
Quick assembly and disassembly

model	width	height	working part	weight
K90	300 mm	115 mm	225 mm	2,5

Cable tray roller with movable vertical roller



Cable tray roller Design with movable vertical roller

Allows multiple cables to be pulled simultaneously using independent rollers.
Quick assembly and disassembly

model	width	height	working part	weight
K91	300 mm	115 mm	225 mm	2,5

Corner roller for cable trays



Corner roller for cable trays Allows multiple cables to be pulled simultaneously using independent rollers.
Quick assembly and disassembly

model	width	height	working part	weight
K92	205 mm	165 mm	200 mm	2,5



Cable tray roller installed on the tray



Cable tray roller Galvanized construction Bearing rollers
Quick and easy installation and de-installation
Rigid construction
Rollers 4x 35X150mm

model	width	height	working part	weight
K93	260 mm	310 mm	150 mm	4,8

Cable tray roller installed on the tray



Cable tray roller Galvanized construction Bearing rollers
Quick and easy installation and de-installation
Rigid construction
Adjustable according to the distance between the troughs

model	width	height	working part	weight
K94	150 mm	600 mm	100 mm	4,0

Cable tray roller installed on the tray



Cable tray roller Galvanized construction Bearing rollers
Quick and easy installation and de-installation

model	width	height	working part	weight
K95	202 mm	280 mm	56 mm	2,3

Cable tray roller installed on the tray



Cable tray roller Galvanized construction Bearing rollers
Quick and easy installation and de-installation
Possibility of installation with internal or external approach

model	width	height	working part	weight
K96	300 mm	150 mm	100x100 mm	5,5



Cable tray roller - ladder type



Cable tray roller Galvanized construction Bearing rollers Quick and easy installation and de-installation Rigid construction Can be used on both empty ladder troughs

model	width	height	working part	weight
K97	197 mm	410 mm	125 mm	5,0

Suspension cable tray roller with adjustable length



Suspension roller for cable trays Zinc-plated construction Bearing rollers Quick and easy installation and de-installation Rigid construction Ladder trough applications

model	width	height	working part	weight
K98/1	150 mm	280-550 mm	130 mm	6,5

Suspension cable tray roller with adjustable length



Suspension roller for cable trays Zinc-plated construction Bearing rollers Quick and easy installation and de-installation Rigid construction

model	width	height	working part	weight
K98/2	150 mm	280-550 mm	130 mm	5,0

Cable tray roller for cable ladders



Ladder type cable tray roller Used as a straight line roller. Galvanised construction Bearing rollers Quick and easy installation and de-installation

model	width	height	depth	weight
K89/1	165 mm	200 mm	75 mm	1,3



Cable tray roller - ladder type



Ladder-type cable tray roller Galvanized construction
Bearing rollers
Quick and easy installation and de-installation
Used as a straight line roller.

model	width	height	depth	weight
K89/2	290 mm	200 mm	75 mm	2,3

Cable tray roller - ladder type



Ladder-type cable tray roller Galvanized construction
Bearing rollers
Quick and easy installation and de-installation
Used as a straight line roller.

model	width	height	depth	weight
K89/3	580 mm	200 mm	75 mm	4,4

Corner roller for cable trays - ladder type



Corner roller for ladder-type cable trays Zinc-plated construction
Bearing rollers
Quick and easy installation and de-installation
Used as a straight line and kink roll.

model	width	height	depth	weight
K99/1	235 mm	255 mm	150 mm	2,9

Corner roller for cable trays - ladder type



Corner roller for ladder-type cable trays Zinc-plated construction
Bearing rollers
Quick and easy installation and de-installation
Used as a straight line and kink roll.

model	width	height	depth	weight
K99/2	365 mm	255 mm	150 mm	2,9



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Cable and pipe pulling systems

Cable stockings
Fibreglass strain relief swivels
Cable dragging heads Pipe cleaning
Pipe dragging
Slip preparations for cables and optical fibres

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Single-ear cable stocking



The cable stockings are manufactured from high strength galvanised steel wire, bundled and rolled into a collapsible/expandable mesh tube to later securely grip the cable during the pulling process

The single ear model is used to put the stocking on the end of the cable

The double weave of the stepped braid guarantees absolute grip along the entire length of the stocking .

Aluminium tapered clamps protect stockings from proper entry into gullies and pipes

Symbol	L mm total	L mm working	Ø wire rope	Ø mm working range	kN Breaking Load	kg
K1/10-15	650	550	4 mm	10-15	10	0.20 kg
K1/15-18	750	650	4 mm	15-20	10	0.25 kg
K1/18-25	850	750	4 mm	18-25	15	0.25 kg
K1/25-37	1100	900	5 mm	25-35	18	0.40 kg
K1/37-50	1200	950	6 mm	35-50	35	0.52 kg
K1/50-63	1300	1000	8 mm	50-65	45	0.65 kg
K1/63-75	1500	1150	8 mm	65-80	60	0.80 kg
K1/75-90	1700	1350	10 mm	80-100	70	1.50 kg
K1/90-110	2000	1600	10 mm	100-140	90	2.40 kg
K1/100-140	1900	1700	10 mm	100-140	120	2.40 kg

Single-ear cable stocking with flexible head



The cable stockings are manufactured from high strength galvanised steel wire, bundled and rolled into a collapsible/expandable mesh tube to later securely grip the cable during the pulling process

Single-eye model with a **flexible stocking head** is used to attach the stocking to the end of the cable

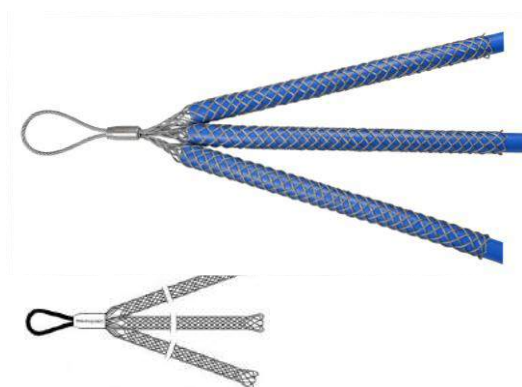
The triple weave of the stepped braid guarantees absolute grip along the entire length of the stocking .

Aluminium tapered clamps protect stockings from proper entry into gullies and pipes

Symbol	L mm total	L mm working	Ø wire rope	Ø mm working range	kN Breaking Load	kg
K2/10-15	650	550	4 mm	10-15	10	0.20 kg
K2/15-18	750	650	4 mm	15-18	10	0.25 kg
K2/18-25	850	750	4 mm	18-25	15	0.25 kg
K2/25-37	1100	900	5 mm	25-37	18	0.45 kg
K2/37-50	1200	950	6 mm	37-50	35	0.65 kg
K2/50-63	1300	1000	8 mm	50-63	45	1,00 kg
K2/63-75	1500	1150	8 mm	63-75	60	1.45 kg
K2/75-90	1700	1350	8 mm	75-90	70	1.50 kg
K2/88-101	2300	1910	10 mm	88-101	90	2.90 kg
K2/90-110	2000	1600	10 mm	90-110	90	3,00 kg
K2/100-120	2670	2300	10 mm	100-120	120	3.15 kg
K2/120-140	2940	2550	12 mm	120-140	140	3.90 kg



Single-ear triple cable stocking



The cable stockings are manufactured from high strength galvanised steel wire, bundled and rolled into a collapsible/expandable mesh tube to later securely grip the cable during the pulling process

The triple model with a single eye is used for attaching the stocking to the end of the cable and pulling the three strands of cable through one eye of the wire rope simultaneously.

The double weave of the stepped braid guarantees absolute grip along the entire length of the stocking .

Aluminium tapered clamps protect stockings from proper entry into gullies and pipes

Symbol	L mm total	L mm working	Ø wire rope	Ø mm working range	kN Breaking Load	kg
K3/15-20	750	650	6 mm	3x15-20	20	0.80kg
K3/18-25	850	750	6 mm	3x18-25	30	0.80 kg
K3/25-37	1100	900	6 mm	3x25-37	48	1.20 kg
K3/37-50	1200	950	8 mm	3x37-50	60	1.50 kg
K3/50-63	1300	1000	10 mm	3x50-65	90	1.80 kg
K3/65-80	1300	1000	10 mm	3x65-80	90	2.40 kg
K3/80-100	1300	1000	10 mm	3x80-100	90	4.50 kg

Single-ear triple cable stocking with flexible head



The cable stockings are manufactured from high strength galvanised steel wire, bundled and rolled into a collapsible/expandable mesh tube to later securely grip the cable during the pulling process

The model with a triple with an eye and **a flexible stocking head is** used to put the stocking on the end of the cable

The triple weave of the stepped braid guarantees absolute grip along the entire length of the stocking .

Aluminium tapered clamps protect stockings from proper entry into gullies and pipes

Symbol	L mm total	L mm working	Ø wire rope	Ø mm working range	kN Breaking Load	kg
K4/15-18	750	650	6 mm	3x15-18	30	0.95 kg
K4/18-25	850	750	6 mm	3x18-25	40	0.95 kg
K4/25-37	1100	900	6 mm	3x25-37	68	1.50 kg
K4/37-50	1200	950	8 mm	3x37-50	92	1.90 kg
K4/50-63	1300	1000	10 mm	3x50-63	98	2.10 kg

* L04 swivels of 0.5-1.0-3.0-5.0-8.0 tonnes are available from page A025.



One-eared side stocking



One-eared side stocking

The double weave of the stepped braid guarantees absolute grip along the entire length of the stocking. Aluminium tapered clips protect the stocking from entering gullies and pipes properly

Symbol	L mm total	L mm working	Ø mm working range	kN Breaking Load	kg
K5/10-15	650	450	10-15	10	0,10
K5/15-18	850	550	15-18	10	0,18
K5/18-25	950	650	18-25	15	0,20
K5/25-37	1200	800	25-37	18	0,22
K5/37-50	1300	850	37-50	35	0,31
K5/50-63	1400	900	50-63	45	0,44
K5/63-75	1600	1050	63-75	60	0,50

Two-piece stocking



Two-piece stocking

The double weave of the stepped braid guarantees absolute grip along the entire length of the stocking. Aluminium tapered clips protect the stocking from entering gullies and pipes properly

Symbol	L mm total	L mm working	Ø mm working range	kN Breaking Load	kg
K6/10-15	650	450	10-15	10	0,10
K6/15-18	850	550	15-18	10	0,18
K6/18-25	950	650	18-25	15	0,20
K6/25-37	1200	800	25-37	18	0,22
K6/37-50	1300	850	37-50	35	0,31
K6/50-63	1400	900	50-63	45	0,44
K6/63-75	1600	1050	63-75	60	0,50

Two-legged stocking open to be 'stitched' to any section of cable



Double-weave open stocking to be 'stitched' onto the cable. Double-weave stepped braid guarantees absolute grip along the entire length of the stocking. Aluminium conical clips protect the stocking from proper entry into grooves and pipes

Symbol	L mm total	L mm working	Ø mm working range	kN Breaking Load	kg
K7/10-15	650	450	10-15	10	0,19
K7/15-18	850	550	15-18	10	0,29
K7/18-25	950	650	18-25	15	0,30
K7/25-37	1200	800	25-37	18	0,36
K7/37-50	1300	850	37-50	35	0,52
K7/50-63	1400	900	50-63	45	0,72
K7/63-75	1600	1050	63-75	60	0,98



Feed-through stocking , for the connection of two cables



Pass-through stocking , for connecting two cables
Double braided weave guarantees absolute grip along the entire length of the stocking . Aluminium conical clips protect the stocking from proper entry into grooves and pipes

Symbol	L mm total	L mm working	Ø wire rope	Ø mm working range	kN Breaking Load	kg
K8/10-15	1500			10-15	3,4	0,13
K8/15-20	1500			15-20	6,8	0,27
K8/20-25	2000			20-25	6,8	0,35
K8/25-30	2000			25-30	8,1	0,50
K8/30-40	2000			30-40	11,7	0,64
K8/40-50	2000			40-50	16,0	0,83
K8/50-60	2500			50-60	16,0	1,00
K8/60-70	2500			60-70	21,3	1,38
K8/70-90	2500			70-90	27,9	1,77
K8/90-110	2500			90-110	34,9	1,81

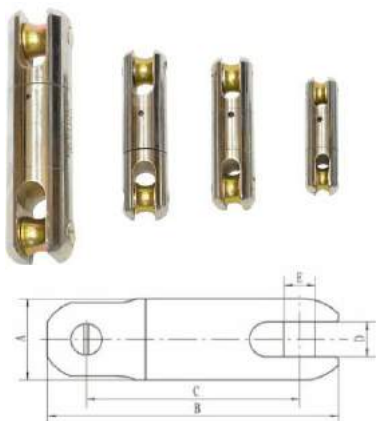
Fibre optic cable stocking



Fibre optic cable stocking

Symbol		L mm	Ø mm working range	BL	kg
K9/4-6	●	220	4-6	122	0,04
K9/6-9	●	280	6-9	222	0,06
K9/9-12	●	310	9-12	310	0,10
K9/12-15	●	350	12-15	350	0,12
K9/15-18	●	410	15-18	410	0,18
K9/18-25	●	500	18-25		0,25

Fixed swivel



Fixed swivel

Made of high quality tensile steel, galvanised steel
Suitable for use as a connection element between cable and wire or cable , to avoid accumulation of torsional stresses, rotation around an axis

Symbol	A	B	C	D	E	WL kN	BL kN	Kg
L04/0,5	22	100	65	10	10	5,0	15,0	0,1
L04/1	30	100	70	12	13	10,0	30,0	0,4
L04/3	37	129	95	16	16	30,0	90,0	0,6
L04/5	42	154	116	18	17	50,0	150,0	1,5
L04/8	57	220	165	24	22	80,0	240,0	2,4
L04/13	62	248	192	26	24	130,0	390,0	3,5



Connector for secure cable pulling with breakaway bolts



The purpose of this product is to protect the cable from overload. For the installation of power and fibre-optic cables, we insert a connector which breaks at a given load, thus protecting the cable against overload. The breakaway pins are replaceable in seconds. Two models available

Model K301 - dimensions 120x30 mm BL stud 1500 kg

Model K302 - dimensions 140x40 mm BL stud 2500 kg

Pin	breaking force	Pin	for ripping ce
K301/07	700 kg	K302/15	1500 kg
K301/08	800 kg	K302/18	1800 kg
K301/10	1000 kg	K302/20	2000 kg
K301/13	1300 kg	K302/23	2300 kg
K301/15	1500 kg	K302/25	2500 kg

Single cable retraction head



Single cable insertion head Galvanised steel body

Tapered jaws for cable clamping, screw-on sleeve
Pulling process behind the cable core

model	Ø cable	Ø head	breaking force	weight
K71/1	Ø 12-14-16 mm	60 mm	2800 kg	2,5
K71/2	Ø 23-29-36 mm	105 mm	5000 kg	8,5
K71/3	Ø 49 mm	110 mm	8000 kg	10,0

Triple cable retraction head



Heads for pulling in triple cables in the range 3x (1x95 mm²), - 3x (1x240 mm²).

Made of aluminium and fitted with a swivel anti-twist head, it is attached directly to the cables

Each set is supplied in a metal box comprising two heads (95-150) and (150-240), a spare screw with ratchet for attaching the cable.

model	cable head	cable type	WL
K70	No.	195-150 mm ²	3x(1x95mm ²) 1500 daN
			3x(1x150mm ²) 2400 daN
			3x(1x150mm ²) 2500 daN
			3x(1x240mm ²) 3700 daN



Version for installation work

Top quality fibreglass for pulling in cables and wires

With ends ending in a shackle (version 045 , 060) . Reinforced stand without wheels or cassette

Glass fibre coated with synthetic resin on a mesh braid which reinforces the bending strength of the fibre Last layer Poly-Propylene PP which reinforces the strength, is abrasion resistant and gives slip properties making the fibre easy to install in pipes and culverts.



K030/30B



K030/30Z



K030/30C



K030/30A



K030/30S

Model K030

30 m. of retractable cables in various materials

K030/30A fibre	Ø 3 mm	30 mb	cassette
K030/30B nylon	Ø 3 mm	30 mb	without
K030/30C weave nylon	Ø 6 mm	30 mb	cassette
K030/30S steel	Ø 3x1.3 mm	30 mb	cassett
K030/30Z nylon	Ø 4 mm	30 mb	without

Model K045

Bending radius : 310 mm

Breaking force : BL 1200 kg

Tensile strength 190 kg

Core diameter for fibre 4.5 mm - 3.0 mm

Stand : 360x185x550 without wheels

Brake stand

Complete with tips

Also available without stand

K045/40	Ø 4,5 mm	40 mb	stand
K045/60	Ø 4,5 mm	60 mb	stand
K045/80	Ø 4,5 mm	80 mb	stand
K045/100	Ø 4,5 mm	100 mb	stand



Model K060

Bending radius : 420 mm

Breaking force : BL 2100 kg

Tensile strength 250 kg

Core diameter for fibre 6.0 mm - 4.0 mm

Stand : 360x185x550 without wheels

Brake stand

Complete with tips

Also available without stand

K060/40	Ø 6,0 mm	40 mb	stand
K060/60	Ø 6,0 mm	60 mb	stand
K060/80	Ø 6,0 mm	80 mb	stand
K060/100	Ø 6,0 mm	100 mb	stand



bit set with fibre 4.5 and 6.0 on stand



1. fibre guide coming out of the rack
2. fibre ends in a choice of options
3. rack brakes

Version for energy work

Top quality fibreglass for pulling in cables With eyelet ends
Reinforced stand on wheels ideally suited for transport to the construction site

Fibre guiding on 2 rollers to protect the fibre from excessive bending

Glass fibre coated with synthetic resin on a mesh braid which reinforces the bending strength of the fibre Last layer Poly-Propylene PP which reinforces the strength, is abrasion resistant and gives slip properties making the fibre easy to install in pipes and culverts.

Standard finish is head with eyelet model K/.../2 Other finishes as an option

Model K090

Bending radius : 700 mm

Breaking force : BL 5000 kg

Tensile strength 640 kg

Core diameter for fibre 9 mm - 6.8 mm

Stand : 980x540x1160 mm on castors

Also available without stand



K090/100	Ø 9 mm	100 mb	stand
K090/120	Ø 9 mm	120 mb	stand
K090/150	Ø 9 mm	150 mb	stand

Model K110

Bending radius : 750 mm

Breaking force : BL 8000 kg

Tensile strength 920 kg

Core diameter for fibre 11 mm - 8.8 mm

Stand : 980x540x1160 mm on castors

Also available without stand



K110/100	Ø 11 mm	100 mb	stand
K110/120	Ø 11 mm	120 mb	stand
K110/150	Ø 11 mm	150 mb	stand
K110/200	Ø 11 mm	200 mb	stand
K110/300	Ø 11 mm	300 mb	stand

Model K150

Bending radius : 1200 mm

Breaking force : BL 15000 kg

Tensile strength 1500 kg

Core diameter for fibre 15 mm - 12.0 mm

Stand : 1280x620x1260 mm on castors

Also available without stand



K150/200	Ø 15 mm	200 mb	stand
K150/250	Ø 15 mm	250 mb	stand
K150/300	Ø 15 mm	300 mb	stand
K150/500	Ø 15 mm	500 mb	stand



End sleeves for trawl assembly

Tip for pasting onto fibre. Allows various tips to be installed

Standard fibre termination - included



K M5/01
K M5/02
K M12/01
K M12/02
K M12/03

fibre diameter 4.5 mm
fibre diameter 6.0 mm
fibre diameter 9.0 mm
fibre diameter 11.0 mm
fibre diameter 15.0 mm



Threaded end with eyelet (left-hand piece) to allow installation of shackles Standard fibre end - included

K M5/10
K M12/10

fibre diameter 4.5-6.0 mm
fibre diameter 9.0-11.0-15.0 mm



Eyelet shackle

K M12/35

fibre diameter 9.0-11.0-15.0 mm

Female threaded spiral end for fitting to male threaded end (K M5/01-02 , K M12/01-02-03)

Improves the quality of fibre insertion in the ducts



K M5/20
K M12/20

fibre diameter 4.5-6.0 mm
fibre diameter 9.0-11.0-15.0 mm

Roller with female thread for fitting to the end with male thread

(K M5/01-02 , K M12/01-02-03)

Improves the quality of fibre insertion in the ducts



K M5/25
K M12/25

fibre diameter 4.5-6.0 mm
fibre diameter 9.0-11.0-15.0 mm

Repair splice for joining two lengths of fibre Dedicated for bonding with epoxy adhesive Recommended pressing

K M5/03
K M5/04
K M12/04
K M12/05
K M12/06

fibre diameter 4.5 mm
fibre diameter 6.0 mm fibre
diameter 9.0 mm fibre
diameter 11.0 mm fibre
diameter 15.0 mm



Female threaded head for mounting for end with male thread K M12/01-02-03)
Improves the quality of fibre insertion into the ducts

K M12/30

fibre diameter 9.0-11.0-15.0 mm





Final cleaning sponge



Final cleaning sponge

model	Ø	weight
K82/45-55	Ø 45-55 mm	0.20
K82/50-60	Ø 50-60 mm	0.22
K82/60-70	Ø 60-70 mm	0.26
K82/70-90	Ø 70-90 mm	0.30
K82/80-100	Ø 80-100 mm	0.34
K82/100-120	Ø 100-120 mm	0.55
K82/120-140	Ø 120-140 mm	0.70

Final cleaning brush



Final cleaning brush

model	Ø	weight
K83/100	Ø 100 mm	0.5
K83/150	Ø 150 mm	1.5
K83/200	Ø 200 mm	2.7
K83/250	Ø 250 mm	4.0
K83/280	Ø 280 mm	5.1

Pilot in charge



Pilot in charge

model	pipe DN	dimension	weight
K88/100	Ø 100 mm	Ø 90x180 mm	0.5
K88/150	Ø 150 mm	Ø 130x245 mm	1.5
K88/200	Ø 200 mm	Ø 184x280 mm	2.7

Piston finish - rigid version



Piston finish - rigid version

model	Ø	weight
K85/100	Ø 100 mm	2.5
K85/150	Ø 150 mm	4.0
K85/200	Ø 200 mm	7.0



Grippers for pulling pipes without seals

Pipe pulling grippers without seals Plastic pipe pulling heads. Grippers are used for pipe installation during drilling and push-button



	model	Ø external	Ø internal
K75/32		Ø 32 mm	Ø 24-28 mm
K75/40		Ø 40 mm	Ø 32-36 mm
K75/50		Ø 50 mm	Ø 39-47 mm
K75/63		Ø 63 mm	Ø 49-60 mm
K75/75		Ø 75 mm	Ø 59-70 mm
K75/90		Ø 90 mm	Ø 71-85 mm
K75/110		Ø 110 mm	Ø 87-103 mm
K75/125		Ø 125 mm	Ø 99-116 mm
K75/140		Ø 140 mm	Ø 111-130 mm
K75/160		Ø 160 mm	Ø 127-148 mm
K75/180		Ø 180 mm	Ø 144-166 mm
K75/200		Ø 200 mm	Ø 158-184 mm
K75/225		Ø 225 mm	Ø 178-206 mm
K75/250		Ø 250 mm	Ø 198-230 mm

Pipe grippers with seals

Grabbers for pulling pipes from sealing Plastic pipe pulling heads. The grabs are used for pipe installation during drilling and push-button



	model	Ø external	Ø internal
K76/32		Ø 32 mm	Ø 24-28 mm
K76/40		Ø 40 mm	Ø 32-36 mm
K76/50		Ø 50 mm	Ø 39-47 mm
K76/63		Ø 63 mm	Ø 49-60 mm
K76/75		Ø 75 mm	Ø 59-70 mm
K76/90		Ø 90 mm	Ø 71-85 mm
K76/110		Ø 110 mm	Ø 87-103 mm
K76/125		Ø 125 mm	Ø 99-116 mm
K76/140		Ø 140 mm	Ø 111-130 mm
K76/160		Ø 160 mm	Ø 127-148 mm
K76/180		Ø 180 mm	Ø 144-166 mm
K76/200		Ø 200 mm	Ø 158-184 mm
K76/225		Ø 225 mm	Ø 178-206 mm
K76/250		Ø 250 mm	Ø 198-230 mm

Calibration handles

Channel calibration equipment or verifying the continuity of the cables spring-loaded sensors scan the inner diameter of the duct, dragging it the smallest diameter is recorded on the calibrator scale



model		length
K77/1	channel 30-46 mm	160 mm
K77/2	channel 47-70 mm	225 mm
K77/3	channel 70-100 mm	296 mm
K77/4	channel 85-115 mm	292 mm
K77/5	channel 105-135 mm	308 mm



GLISS WMM cable laying slip preparations

GLISS® WMM

GLISS WMM is designed for the mechanical pulling of power and telephone copper cables into conduits and cable ducts.

GLISS WMM reduces the drag created during pulling by up to 80%, reducing the pulling force and consequently increasing the installation distance.

Product characteristics

GLISS WMM is in the form of a white gel. The water and glycol contained in the gel act as a lubricant. The very easy application of the gel means that the product can even be spread vertically, without fear of dripping or losing the slip preparation.

Application

The gel should be applied with a sponge directly onto the cable before it is inserted into the pipe. Once the water has evaporated, a permanent layer of lubricant will remain on the cable, which will make it easier to replace or insert other cables in the same hole. The average consumption depends very much on the size of the cable being pulled and can vary from as little as 1kg to 10kg of product per kilometre.

Appearance : white

gel Odour : none

Viscosity : approx.

26000 cp Density : 1

gr/cm³ pH : 7 neutral

Flammability : non-
flammable

Application temperature : from -15°C to 50°C

Toxicity : non-toxic product

Biodegradability : biodegradable



symbol	packaging	capacity
GLISS WMM 00	bottle	0.5 kg



symbol	packaging	capacity
GLISS WMM 01	bottle	1.0 kg



symbol	packaging	capacity
GLISS WMM 05	bucket	5.0 kg

symbol	packaging	capacity
GLISS WMM 15	bucket	15.0 kg

symbol	packaging	capacity
GLISS WMM 25	bucket	25.0 kg



GLISS F cable laying slip preparations

GLISS® F

GLISS F is recommended for the mechanical pulling of fibre optic cables, copper teletechnical cables and coaxial cables.

It can also be used to mechanically pull microtube bundles into secondary pipelines.

GLISS F reduces pulling resistance by up to 80%, reducing pulling force and consequently increasing the installation distance. Due to its consistency and very low evaporation coefficient, GLISS F can also be used for fibre optic cables in cable pipelines.

Application

For mechanical installation of cables in pipes, the product should be applied directly to the cable before entering the pipe. When using a pneumatic installation method, Before blowing in the cable, the lubricant must be distributed evenly inside the pipe using compressed air. The consumption of GLISS F depends on the diameter and weight of the cable as well as the on the diameter of the pipeline into which the cables are installed. The average consumption varies from 5 to 10 grams of formulation per metre.

GLISS F retains its slip properties for up to several years after application GLISS F protects cables from dirt

GLISS F adheres perfectly to the surface of the cable

GLISS F retains its slip properties even in the presence of water GLISS F can be used for many types of cables

Technical specifications

Appearance : translucent blue-green liquid Odour :

delicate detergent smell

Viscosity : 45-65 s. (by Ford cup method - 2 mm diameter at 20°C)

Density : 1.02 -1.05 gr/cm³

pH : 8.05.2009

Flammability : Non-flammable

Application temperature : from -20 °C to 65°C

Toxicity : non-toxic product Biodegradability : biodegradable



symbol	packaging	capacity
GLISS F 01	bottle	1.0 kg

symbol	packaging	capacity
GLISS F 05	canister	5.0 kg

symbol	packaging	capacity
GLISS F 10	canister	10.0 kg

symbol	packaging	capacity
GLISS F 25	canister	25.0 kg



GLISS S OR 10 slip preparations for cable laying

GLISS® S OR 10

S OR is a special slip preparation for the installation of mini and micro fibre optic cables using a blowing machine.

S LUB is a white, water-based, low-viscosity formulation with high sliding properties that significantly reduces the friction created at the cable-pipe interface.

S OR adheres to the surface of the cable or to the inner wall of the pipe, leaving a very thin lubricating film, without causing the cable to stick to the inner surface of the pipe.

Actual wear may vary depending on the condition and length of the pipe.

Method of use:

Place a sponge roller of a few centimetres inside the micro-tube. Shake the bottle before use and inject a suitable amount of preparation inside the micro pipe. Plug the end of the pipe with a second piece of sponge and start blowing in order to evenly distribute the product on the surface of the micro-pipe.

RECOMMENDED CONSUMPTION PER 1000 METRES

Internal diameter of the micro-tube	Quantity of product	Pipe filling with preparation
4 mm	5 ml	28-32 cm
8 mm	9 ml	16-20 cm
12 mm	14 ml	10-14 cm

The S OR 10 can be used for metered blowing machines as well as for direct lubrication of fibre optic cables before or after the blowing machine, which depends on the use of a metal or rubber drive wheel.

Technical Specifications

Appearance: white liquid with low viscosity Odour: none

Viscosity: 30 s. (by Ford cup method - 4 mm diameter at 20°C)

Density: 1,030 +/- 0,03 gr/cm³

pH: 7,5 +/- 0,5

Flammability: non-flammable

Application temperature: -10 °C to 65°C

Toxicity: non-toxic Biodegradability: biodegradable



symbol	packaging	capacity
GLISS S OR 10 01	bottle	1.0 kg

symbol	packaging	capacity
GLISS S OR 10 05	canister	5.0 kg

symbol	packaging	capacity
GLISS S OR 10 10	canister	10.0 kg

symbol	packaging	capacity
GLISS S OR 10 25	canister	25.0 kg



Frame tent



Product purpose:

Tent designed for energy, water, telecommunications repair teams

Tent frame: made of galvanised steel tube. Precisely adjusted connections and simple and clear labelling of the components make for quick and easy assembly.

Steel pins or rubber bands with hooks (in the case of wells on paved ground) are used to fix the frame to the ground.

Tent trope: made of a special, light-transmitting waterproof fabric. Walls in highly visible red with lemon warning stripes.

Tent roof in white to let as much natural light as possible into the interior. The flysheet is also available with a non-combustible hem (K160/1, K160/3, K160/5, K160/7) Key features:

- very stable construction, even withstanding strong gusts of wind
- Tailor-made tent sizes (working in a trench or well does not require a tall tent that is more exposed to gusts of wind)
- Pass-through design (entrances on both sides) enabling working on e.g.: pipelines
- white daylight-permeable roof
- non-flammable trim option
- Designed in consultation with renovation crews resulting in excellent performance.

Model	Base (cm)	Height (cm)	tracker with non-combustible trim	Weiht (kg)
K 160/1	200 x 130 cm	180 cm	no	14.3 kg
K 160/2	200 x 130 cm	180 cm	yes	16.8 kg
K 160/3	200 x 200 cm	180 cm	no	16.6 kg
K 160/4	200 x 200 cm	180 cm	yes	19.3 kg
K 160/5	300 x 200 cm	220 cm	no	26.0 kg
K 160/6	300 x 200 cm	220 cm	yes	28.6 kg
K 160/7	400 x 250 cm	180 cm	no	32.0 kg
K 160/8	400 x 250 cm	180 cm	yes	35.0 kg



Tent on a four-fence



Four-fence tents manufactured in two sizes: 200 x 130 cm , 200 x 200 cm Product destination
The tents are designed for the repair crews of energy, water, telecommunications and many other installation companies.

Product design

The tent frame is two-part - the lower part is a universal four-part ZNC scissor dam and the upper part is a classic roof structure made of galvanised steel tube.

This makes the four-fence based tent a dual-purpose unit.

In good weather, only four fences can be used to fence off the work area.

If the weather conditions deteriorate /rain, wind, etc./the upper part of the frame is placed on top of the four-fence and then the whole thing is covered with a sleeping bag, turning the scissor barrier into a tent.

The tent's flysheet is made of a special, light-permeable waterproof fabric. Walls in highly visible red with lemon warning stripes.

Tent roof in white to let as much natural light as possible into the interior. The flysheet is also available with a non-flammable upholstery /K161/2 , K161/4/.

Key features:

- Tailor-made tent sizes (working in a trench or well does not require a tall tent that is more exposed to gusts of wind)
- Pass-through design (entrances on both sides) to enable working on, for example: pipelines
- white daylight-permeable roof
- possibility to use additional bases and increase stability
- non-combustible trim option.

Designed in consultation with renovation crews resulting in excellent performance.

Model	Base (cm)	Height (cm)	tracker with non-combustible trim	Weight (kg)
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K 161/1	200 x 130 cm	180 cm	no	24.0 kg
K 161/2	200 x 130 cm	180 cm	yes	26.0 kg
K 161/3	200 x 200 cm	180 cm	no	25.0 kg
K 161/4	200 x 200 cm	180 cm	yes	28.0 kg



Tents for patch cabinets



Tents for patch cabinets Product purpose:

The tents are designed for telecommunications repair crews. They are used to protect against rain during precise and lengthy wiring work inside patch cabinets.

Product characteristics:

Tent frame: made of galvanised steel tube. Precisely adjusted connections and simple and clear labelling of the components make for quick and easy assembly.

To fix the rack to the door of the patch cabinet or adjacent well, fixing rubbers with hooks are used.

Tent fly: made from a special, light-transmitting waterproof fabric. The entire tent is coloured white in order to let as much natural light as possible into the interior and not "colour up" the multi-coloured cabling.

Key features:

- adapted to the dimensions of the patch cabinets
- white tropical does not change the colour of the cables
- effective separation from external distractions (wind, sun, rain)

Designed in consultation with telecoms repair crews resulting in excellent performance.

Model	Base (cm)	Height (cm)	Weight (kg)
K 162/1	150 x 130 cm	210 cm	13.2 kg
K 162/2	150 x 140 cm	260 cm	15.1 kg
K 162/3	150 x 200 cm	210 cm	17.3 kg



Rapid-expansion tent



Rapid-expansion tent

A tent designed for telecommunications repair crews.

The frame of the tent is a scissor structure made of PVC slats bolted together.

Entrance made of two galvanised steel elements.

Tent flysheet made of special, light-permeable waterproof fabric. Walls and roof in white with lemon warning stripes.

Key features:

- Tailor-made tent sizes (working in a trench or well does not require a tall tent that is more exposed to gusts of wind);
- The tent's flysheet is permanently connected to the frame, which enables the tent to be unfolded and folded up in around 20 seconds; Designed in consultation with telecommunications repair crews.

Model	Base (cm)	Height (cm)	Weight (kg)
K 163	170 x 140 cm	115 cm	20.6 kg

Express tent



The tent allows great freedom of movement and is extremely lightweight at just 11 kg,

Tent frame: made of fibreglass rods. The frame elements are not detachable from the flysheet, which makes the tent easy to carry and very quick to erect and fold up. Steel pegs or rubber bands with hooks are used to anchor the tent to the ground (in the case of wells on paved ground). Tent fly: made from a special, light-permeable waterproof fabric.

Bottom of wall in highly visible red. Top of wall and roof of tent in white to

allow as much natural light into the interior as possible. The Tropic is also available with non-flammable upholstery

Model	Base (cm)	Height (cm)	Weight (kg)
K 164	200 x 200 cm	200 cm	11 kg



Electra
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25
LAT

Uncoiling and hoisting of cable reels and drums

Reel spreaders
Drum lifters
Cable drum grippers

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electrapolska.com



Universal roller uncoiler for HDPE, PE, PERT, PEX pipes.



Model K203

Universal reel for HDPE, PE, PERT, PEX pipes. Maximum diameter of coil 100-180 cm

Minimum coil diameter 45-110 cm

Maximum coil height 38 cm

Minimum coil height 0 cm

Wheels 2 pieces

pumped 26 cm

Weight 30 kg

Uncoiler for HDPE, PE, PERT, PEX pipes.

The roller decoiler model is equipped with 26 cm diameter pumped rubber wheels making it easier to move indoors, as well as to transport and reach the installation site in the most difficult terrain.

Uncoiled pipe coils rotate on 12 moving rollers on bearings. The rotating rollers allow large and heavy coils to be unwound by a single installer.

Adjustable roller spacing allows the unwinding of coils with inner diameters from 45 to 110 cm and outer diameters from 100 to 180 cm.

Universal roller uncoiler for HDPE, PE, PERT, PEX pipes.



Model K222

Universal reel for HDPE, PE, PERT, PEX pipes. Maximum diameter of coil 110-220 cm

Minimum coil diameter 45-110 cm

Maximum coil height 47 cm

Minimum coil height 0 cm

Wheels 2 pieces

pumped 26 cm

Weight 32 kg

Uncoiler for HDPE, PE, PERT, PEX pipes.

The roller decoiler model is equipped with 26 cm diameter pumped rubber wheels making it easier to move indoors, as well as to transport and reach the installation site in the most difficult terrain.

Uncoiled pipe coils rotate on 12 moving rollers on bearings. The rotating rollers allow large and heavy coils to be unwound by a single installer.

Adjustable roller pitch allows unwinding of coils with an inner diameter of 45 to 110 cm and an outer diameter of 110 to 220 cm and a height of 47 mm

Universal uncoiler for HDPE, PE, PERT pipes



Model K227

Maximum diameter of tube, pipe, ductile, cable - 200 cm

Minimum diameter of tube, pipe, ductile, cable - 40 cm

Maximum height diameter of tube, pipe, ductile, cable - 60 cm

Dimensions 120x26x20

Weight without packaging 20 kg

Uncoiler for HDPE, PE, PERT, PEX pipes.

The presented decoiler is designed for decoiling pipes of different diameters. W

The very robust rotating section of the decoiler, thanks to its 2 thrust bearings, allows the installer to work comfortably and unwind large and heavy coils.

The adjustable arm spacing allows the unwinding of coils with an inner diameter from 40 cm and an outer diameter of up to 200 cm and a height of up to 60 cm.



Reeler for cooper and lightning conductor with rectifier



Model K120

Reeler for cooper and lightning conductor with rectifier
The various configurations make it possible to optimise the work with such a difficult installation material as the is cooper or wire.

Decoiler parameters - wheel diameter 90 cm, inner diameter of the decoiler from 28 cm, cooper height up to 20 cm,
Wire up to 12 cm,
Width of cooper or wire 18 cm.
Legs removable for ease of transport.

Made entirely of hollow section which makes it very sturdy, powder-coated Moving parts galvanised.

Max/Min diameter of coil (cooper, wire) 80 cm/28 cm

Diameter of supporting rim 90 cm

Dimensions L 95 cm / W 95 cm / H 25 cm + straightedge
Weight 25 kg

Reeler for cooper and lightning conductor without rectifier



Model K121

Reel for cooper and lightning protection wire

The different configurations make it possible to optimise the work with such a difficult installation material as the is cooper or wire.

Decoiler parameters - wheel diameter 90 cm, inner diameter of the decoiler from 28 cm, cooper height up to 20 cm,
Wire up to 12 cm,
Width of cooper or wire 18 cm.
Legs removable for ease of transport.

Made entirely of hollow section which makes it very sturdy, powder-coated Moving parts galvanised.

Max/Min diameter of coil (cooper, wire) 80 cm/28 cm

Diameter of supporting rim 90 cm

Dimensions L 95 cm / W 95 cm / H 25 cm

Weight 18 kg

Reeler for cooper and lightning conductor with rectifier



Model K122

Decoiler for cooper and lightning conductor with rectifier Decoiler parameters - diameter of coil 80 cm, inner diameter of unwound material from 28 cm, height of cooper up to 20 cm,

Wire up to 12 cm,

Width of cooper or wire 18 cm

Weight 25 kg + straightener

Straightening machine - 9 bearing-mounted rollers - 3 in the bottom row connected by a chain

V-cut rollers for straightening 5.5-18 mm wire

Powder-coated Weight of the slingshot 7 kg



Universal reel, double vertical



Model K115

The universal double vertical unwinder is an unwinder for cables and wires.
This device easily facilitates the work of electrical fitters.
Max/min diameter of coil (pipe, duct, cable) 55 cm/10 cm
Max/min height of coil (pipe, duct, cable) 18 cm/0 cm
Diameter of carrying rim 55 cm
Weight 13 kg

Cable and wire reel - single vertical



Model K116

The universal single vertical unwinder is an unwinder for cables and wires.
This device easily facilitates the work of electrical fitters.
Max/min diameter of coil (pipe, duct, cable) 55 cm/10 cm
Max/min height of coil (pipe, duct, cable) 18 cm/0 cm
Diameter of carrying rim 55 cm
Weight 7 kg

Cable and wire reel - double horizontal



Model K117

The universal, double horizontal unwinder is an unwinder for cables and wires.
This device easily facilitates the work of electrical fitters.
Max/min diameter of coil (pipe, duct, cable) 55 cm/10 cm
Max/min height of coil (pipe, duct, cable) 18 cm/0 cm
Diameter of carrying rim 55 cm
It can also be used to unwind cords, ropes, pipes, peszel, etc....
Weight 7 kg

Cable and wire reel - single horizontal



Model K118

The universal, horizontal uncoiler is an uncoiler for cables and wires.
This device easily facilitates the work of electrical fitters.
The unwinder allows cables and wires to be unwound directly from the centre of the spool without removing the film.
Max/min diameter of coil (pipe, duct, cable) 55 cm/10 cm
Max/min height of coil (pipe, duct, cable) 18 cm/0 cm
Diameter of carrying rim 55 cm
It can also be used to unwind cords, ropes, pipes, peszel, etc....
Weight 7 kg



Reel stand



Wire and cable unwinding and winding stand for small spools up to 900 mm and 100 kg

Optionally with available measuring device
Fast assembly and disassembly of the stand

model	dimensions LxWxH	load capacity	width reel	height reel	weight
K111	540x470x420	100 kg	400 mm	620 mm	5.0 kg
K112	640x630x520	100 kg	500 mm	820 mm	7.0 kg

Ramp for unwinding, unwinding, coiling: cables, wires



A driveway for unwinding, unwinding and coiling: cables, electric cables, fibre optic cables, cords, ropes from drums and spools made of plywood or plastic. Equipped with stepped roller adjustment.

Maximum load capacity: 300 kg
Maximum drum width: 650 mm
Maximum drum height: 850 mm
Castors: galvanised steel, bearing construction: galvanised steel Use and storage: indoors Dimensions: 530mm x 570mm x 100mm
Invader weight: 8.6kg



model	load capacity	width reel	height reel	weight
K123	300 kg	470 mm	850 mm	8.6 kg



Horizontal jack for cable drums



Lifter for lifting and unwinding cables from drums in a horizontal position

A solid hook is inserted into the drum opening
Under lifting action, the locking devices that grip the drum under the opening slide out.

Two versions 2.0 and 5.0 tonnes

model

load capacity

bore diameter
(mm)

spool
height

K463/2000
K463/5000

2000 kg
5000 kg

min 60 mm max 140 mm
min 90 mm max 160 mm

no limitations
no limitations

Rotary unwinder for cables on spools in horizontal position



Uncoiler for unwinding cables from reels in a horizontal position

Two massive wheels connected by steel rollers to handle the drums

with a weight of 2 tonnes (K132) and 3 tonnes (K133)
Handling of drums with +/- 75% of the wheel size of 1400 mm and 1700 mm respectively

The width of the drum in this case is irrelevant Painted construction

Centre punch 35 mm



model

load capacity

diameter
(mm)

mandr
e(mm)

height
reel

K132
K133

2000 kg
3000 kg

800 mm
1000 mm

35 mm
35 mm

1400 mm
1700 mm



Drum roll-out ramp



Cable drum extension, painted , foldable
Set composition : 2 pcs
Height of roller from ground 100 mm
Drum size min 450 mm , max 1700 mm
Load capacity 1000 kg
Steel rollers 140x60 mm
Size 1350x210x250mm
After folding 750x210x250
Weight of set 28 kg



model

Capacity

drum size

Weight

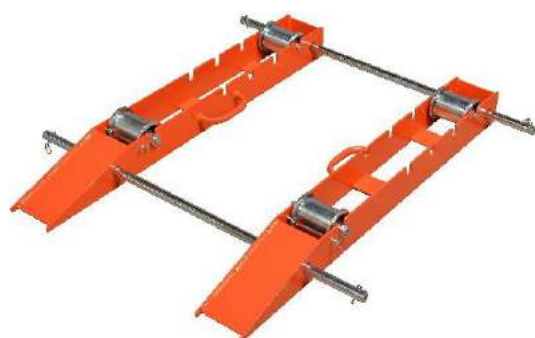
K125

1000 kg

450-1700 mm

14.2 kg

Drum roll-out ramp



Cable reel guide painted , foldable
Set composition : 2 inrunners 2 stabilising axes
Drum width 300-750 mm
Drum height min 300 mm , max 1200 mm
Load capacity 1000 kg
Steel rollers 140x60 mm
Size 850x200x100mm
Weight of set 30 kg



model

Capacity

drum size

Weight

K126

1000

kg300-1200 mm

30 kg



Stands for small reels and drums



Cable and hose reel stand. The stands are used for unwinding, uncoiling or winding cables of wires and hoses. Unwinders greatly simplify work with cables and other materials wound on drums. The lightweight but robust and sturdy design allows for safe and fast work.

Restrictors and spacers included



	Drum size L (mm)	Maximum load (kg)	Axle length (mm)	Axle diameter (mm)	Weight kg)
K035	680-1000	350 kg	1000	27 mm	12 kg

Lifter for small drums and reels up to 500 kg



Cable drum lift
Single stand dimensions: base 300 x 500 mm
height 658 mm
Supporting tube Ø 48 mm, 1100 mm long with stop cones (welded)
Load capacity of the set - 500 kg.
Drum diameter - 500 mm- 1000 mm
Weight - 14 kg.
Dimensions 215x145x62 mm



	Drum size L (mm)	Maximum load (kg)	Axle length (mm)	Axle diameter) (mm)	Weight (kg
K050	500-1000	500 kg	1100 mm	48 mm	14 kg



Screw jack for cable drums



Screw jacks for cable drums Powder-coated construction

The stability of the structure makes it easier to work in heavy terrain on site speeding up the work
Cable drum jacks are used to unwind or wind the cable onto a drum placed on the jack axle

BASIC PRODUCT INFORMATION:

Base made of sturdy, non-sinking profile Construction made of high-quality powder-coated steel Multistage lifting height adjustment by unscrewing the lifting bolts on the drums
Lifting and lowering based on a solid bolt

BASIC TECHNICAL DATA: K100/3

Load capacity 3000 kg
Dedicated after drums/barrels 1060-1600 mm
Solid axle 50x1200 mm
Drum protection discs included

Base dimensions 550x300x300 mm

K100/6

Load capacity 6000 kg
Dedicated after drums/barrels 1360-1900 mm
Solid axle 60x1800 mm
Drum protection discs included Base dimensions 720x350x450 mm

The set includes :

Two bases Work axis

	Size drum L (mm)	Maximum load (kg)	Length axes (mm)	Diamete axes (mm)	Weight (kg)
K100/3	1060-1600 mm	3 000 kg	1200 mm	50 mm	30 kg
K100/6	1360-1900 mm	6 000 kg	1800 mm	63 mm	40 kg



Cable drum lift



Scissor lifts for cable drums

Base made of stable profile without sinking in the terrain Boltless axle lock

Multi-stage adjustable axle spacing Easy-to-use drum lift

70 mm-diameter axes for the drum, second for stabilising the structure possible as an option

Lifting and lowering based on a solid turnbuckle

BASIC TECHNICAL DATA:

K200/2

Load capacity 2000 kg

Dedicated after drums/reels 200-1800 mm

Axle tube 70x2000 mm

Drum protection discs included

Construction profile 75x75x2.5

Weight of one stand 38 kg

Weight of set ready for operation 108 kg

K200/4

Load capacity 4,000 kg

Dedicated after drums/barrels 200-2400 mm

Axle tube 70x2000 mm

Drum protection discs included

Construction profile 100x100x2.5

Weight per stand 45.5 kg

Weight of set ready for operation 140 kg

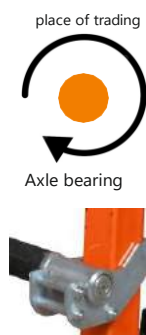
The set includes :

Lifting frame 2 pcs. Optional: stabilising axle 60 mm

	Drum size L (mm)	Maximum load (kg)	Axle length (mm)	Axle diameter (mm)	Weight kg
K 200/2	200-1800 mm	2 000 kg	2000 mm	70 mm	108 kg
K 200/4	200-2400 mm	4 000 kg	2000 mm	70 mm	140 kg



Mechanical jack for cable drums



Mechanical jack for cable drums with a load of 3,000 kg

Two columns with axle supports - facilitates drum rotation thanks to **bearing-mounted axle ends**

The stability of the structure makes it easier to work in heavy terrain on the construction site speeding up the work of setting up the equipment.

Heavy 60 mm diameter axle with a length of 1600 mm at the ends of which there are bearing mounts to facilitate rotation of the axle in the elevator bed and to prevent the axle from moving with the drum during operation.

BASIC PRODUCT INFORMATION:

Base made of stable profile

Construction made of high-grade steel, powder-coated in RAL 2000 Multistage lift height adjustment by means of variable supports bearing under the lift axle in 10 cm increments

On the axle, conical drum protectors are included to prevent the drum from moving on the axle Knobs on both columns allow the reels and drums to be raised to a height that allows unrolling Support for drums up to 600-1850 mm total drum diameter

Handling of drums up to 1100 mm wide

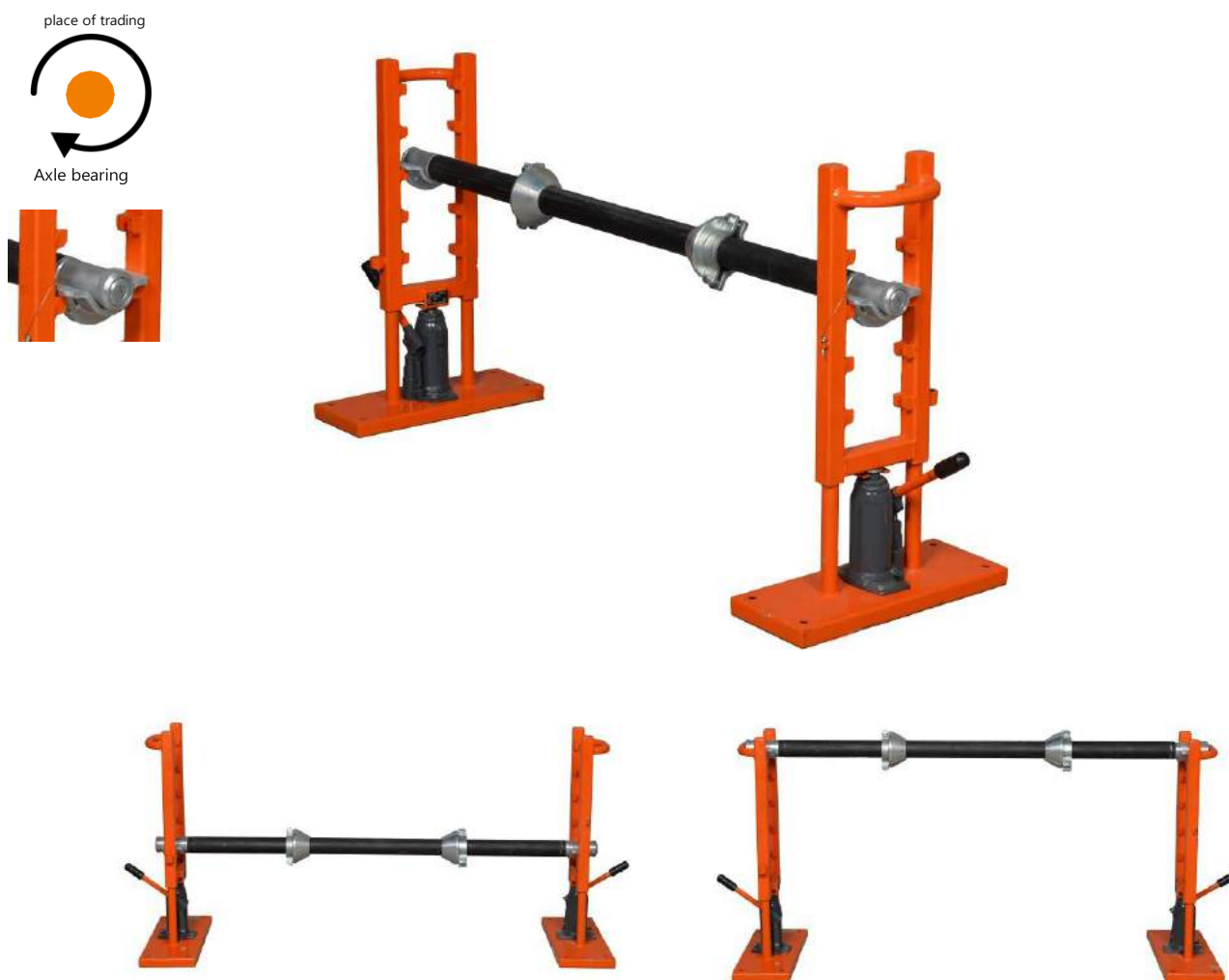
The set includes :

Two bases, bearing-mounted working axle, two cones to prevent the drum from moving

	Drum size L (mm)	Maximum load (kg)	Maximum drum width S (mm)	Axle diameter (mm)	Weight kg
K 300	600-1850 mm	3 000 kg	1100 mm	60 mm	80 kg



Hydraulic jack for cable drums



Hydraulic cable drum lifters 700 series **with solid shaft bearing axle** Solid base with hydraulic cylinders - lifting of drums with a load of 3 tonnes Two columns with solid **shaft bearing** supports facilitate drum rotation

The stability of the design makes it easier to work in heavy terrain on site, speeding up the work of setting up the equipment. Axle 60 with cones that prevent the drum from moving during operation.

BASIC PRODUCT INFORMATION:

Base made of a stable profile that does not cause sinking The structure is made of high-quality steel powder-coated in RAL 2000

Multi-stage adjustment of the lifting height by means of supports (bed) adjustable in increments of 10 cm, on which an axle with bearing-mounted ends is placed.

Handling of drums up to 1600 mm

Easy-to-operate drum lift with hand-pumped cylinders

The set includes :

Two bases, working axle bearing , axle bed , two cones to secure the drum

	Size drum L (mm)	Maximum load (kg)	Axle length (mm)	Axle	Weight (kg)
K 700/3	850-1650 mm	3 000 kg	1600 mm	60 mm	80 kg



Hydraulic jack for cable drums



Hydraulic cable drum lifters 500 series **with tubular axle**

Robust base with hydraulic cylinders - lifting of drums with loads of 2000, 5000 and 8000 kg Two columns with axle-bearing supports facilitate drum rotation

The stability of the structure makes it easier to work in heavy terrain on the construction site speeding up the work of setting up the equipment . 48 70 or 90 mm axle with stop discs to prevent slippage.

drum in operation

BASIC PRODUCT INFORMATION:

Base made of stable profile without sinking in the terrain Structure made of high-quality steel powder-coated in RAL 2000

Multi-stage adjustment of the lifting height by means of bearing-mounted supports under the lift axle, variable in 10 cm steps

Handling of drums up to 1600 mm (K500/2), 2500 mm (K500/5) and 2800 mm (K500/8) total drum diameter

Handling of drums up to 1100-1600-1800 mm wide

Easy to operate drum lifting by hand-pumped cylinders Axles with disc diameters (2.0 tons - 46 mm , 5.0 tons - 70 mm , 8.0 tons - 90 mm ,)

The set includes :

Two bases, working axle , two bearing supports , two thrust discs for drums

	Size drum L (mm)	Maximum load (kg)	Maximum width S drum (mm)	Diameter axes (mm)	Weight (kg)
K 500/2	500-1600 mm	2 000 kg	1100 mm	48 mm	79 kg
K 500/5	700-2500 mm	5 000 kg	1300 mm	70 mm	160 kg
K 500/8	700-2800 mm	8 000 kg	1800 mm	90 mm	176 kg



Hydraulic jack for cable drums

place of trading



bearing support a



Hydraulic cable drum lifters 600 series **with solid shaft axle**

Robust base with hydraulic cylinders - lifting of drums with a load of 5-10-15 tonnes Two columns with solid axle bearing supports facilitate drum rotation

The stability of the structure makes it easier to work in heavy terrain on the construction site speeding up the work of setting up the equipment . 76 , 90 and 100 mm axles with stop discs to prevent slippage. drum in operation

BASIC PRODUCT INFORMATION:

Base made of stable profile without sinking in the terrain Structure made of high-quality steel powder-coated in RAL 2000

Multi-stage adjustment of lift height by means of variable 10 cm high supports bearing under the lift axle Handling of drums up to 3200 mm (K600/5), 3600 mm (K600/10) and 3800 mm (K600/15) drum diameters

Easy to operate drum lifting by foot-pumped cylinders

Axles with discs with diameters (5.0 tons - 75 mm , 10.0 tons - 90 mm , 15 tons - 100 mm ,)

The set includes :

Two bases, working axle , two bearing supports , two thrust discs for drums

	Drum size L (mm)	Maximum load (kg)	Axle length (mm)	Axle diameter (mm)	Weight kg
K 600/5	900-3200 mm	5 000 kg	2000 mm	75 mm	220 kg
K 600/10	1000-3600 mm	10 000 kg	3000 mm	90 mm	320 kg
K 600/15	1200-3800 mm	15 000 kg	3000 mm	100 mm	420 kg

Hydraulic jack for cable drums



Hydraulic cable drum lifters 700 series **with solid shaft bearing axle** Sturdy base with hydraulic cylinders - lifting of drums with a load of 5-10-15 tonnes Two columns with solid **shaft** bearing supports facilitate drum rotation

The stability of the design makes it easier to work in heavy terrain on site, speeding up the work of setting up the equipment . 76 and 90 mm axles with cones that prevent the drum from moving during work

BASIC PRODUCT INFORMATION:

Base made of stable profile without sinking in the terrain Structure made of high-quality steel powder-coated in RAL 2000

Multi-stage adjustment of the lifting height by means of supports (bed) adjustable in increments of 10 cm, on which an axle with bearing-mounted ends is placed.

Handling of drums up to 3200 mm (K700/5), 3600 mm (K700/10) and 3800 mm (K700/15) drum diameter

Easy-to-operate drum lifting by foot-pumped cylinders

Axles with cones with diameters (5.0-10 tons - 76mm , 15 tons - 90mm ,)

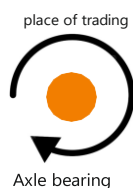
The set includes :

Two bases, working axle with bearings, two axle supports, two thrust cones for drums1

	Drum size L (mm)	Maximum load (kg)	Axle length (mm)	Axle diameter (mm)	Weight kg
K 700/5	900-3200 mm	5 000 kg	1800 mm	76 mm	230 kg
K 700/10	1000-3600 mm	10 000 kg	2000 mm	76 mm	330 kg
K 700/15	1200-3800 mm	15 000 kg	2200 mm	90 mm	430 kg



Cable drum lifter 15/20/30/40 tonnes



Hydraulic jacks for cable drums

Robust base with hydraulic cylinders - 15 - 20 - 30 - 40 tonne version

Base dimensions 1700x740 mm for the 15/20 tonne version and 2110x810 mm for the 30/40 tonne version

Two columns with profiled axle bed . Solid shaft with bearing-mounted (swivel) axle The stability of the construction facilitates working in heavy terrain on the construction site, speeding up the work of dismantling the equipment .

BASIC PRODUCT INFORMATION:

Base made of stable triangular profile

Construction made of high-grade steel powder-coated in RAL 2000 Multistage lifting height adjustment of large hydraulic cylinders

Solid shaft axle terminated with bearing-mounted swivel ends

K900/15 - axle diameter 90 mm - length 2000 mm

K900/20 - axle diameter 102 mm - length 2200 mm

K900/30 - axle diameter 114 mm - length 2600 mm

K900/40 - axle diameter 127 mm - length 2800 mm

Easy-to-operate drum lift by foot-pumped cylinders Tapered drum protector to prevent movement within the working range



The set includes :

Two bases, working axle bearing at the ends , two taper locks

	Size drum L (mm)	Maximum load (kg)	Axle length (mm)	Diam axle	Weight (kg)
K 900/15	3500-4600 mm	15 000 kg	2000 mm	90 mm	120 kg
K 900/20	3500-4600 mm	20 000 kg	2200 mm	102 mm	195 kg
K 900/30	3500-4600 mm	30 000 kg	2600 mm	114 mm	300 kg
K 900/40	3500-4600 mm	40 000 kg	2800 mm	127 mm	350 kg

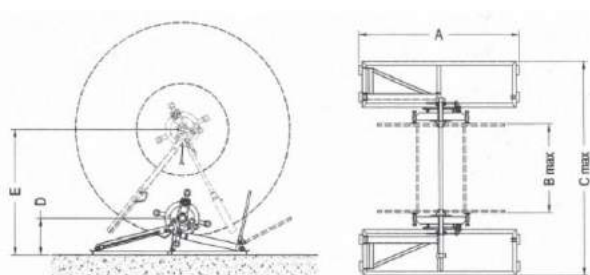


040 Hydraulic drum lift



Hydraulic drum lift Capacity from 4.0-7.0-10.0 t. Complete with mechanical braking system. Suitable for unwinding cable on wooden or steel spools during the pulling manoeuvre of overhead wires and the laying of earth cables. Made of steel, with a design for easy transport. Lifting of drums by means of hydraulic jacks. 2 disc brakes for control and adjustment of braking power with interchangeable pads. Steel shaft on ball bearings with fixing cones.

Optional:
Hydraulic braking system
Mechanical locking system



Model	A	B	C	D	load capacity [kg]	drum dimensions [mm].	weight
040/4	1800	1400	2700	580	4000 kg	800-2800 mm	230 kg
040/7	1400	1500	2800	580	7000 kg	1000-2800 mm	280 kg
040/10	2000	1500	3400	580	10000 kg	1500-3200 mm	500 kg



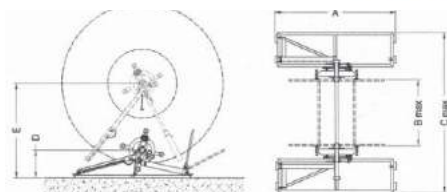
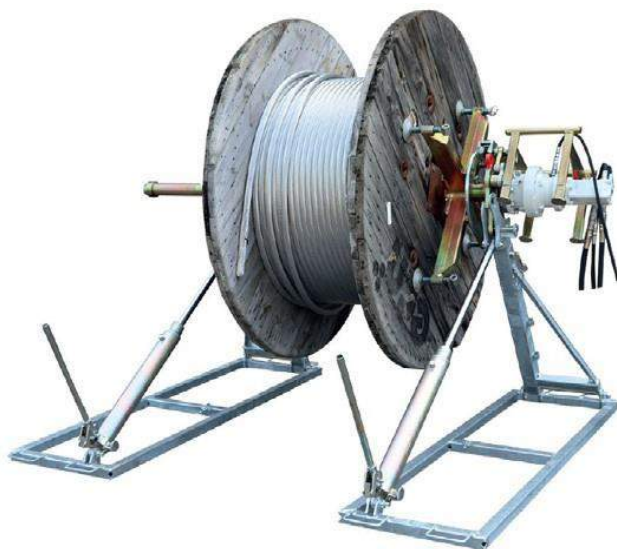
Complete with hydraulic braking system, safety stops and hydraulic head connection protection. Suitable for unwinding cable on wooden or steel drums when tensioning overhead wires and laying earth cables Made of steel, with a sealed design for easy transport. Spool lifting by hydraulic jacks. 2 disc brakes with hydraulic control to control and adjust the force interchangeable brake pads. Steel shaft on ball bearings with fixing cones.

For all lifts axle 120 mm
All lifts have the same dimensions, differ in construction profile and therefore in weight

Model	A	B	C	D	E	load capacity [kg]	drum dimensions [mm].	weight
040/12	2900	1900	3900	900	2000	12000 kg	1900-3800 mm	1290kg
040/15	2900	1900	3900	900	2000	15 000 kg	1900-3800 mm	1305kg
040/18	2900	1900	3900	900	2000	18 000 kg	1900-3800 mm	1320 kg



040TI Hydraulic drum lift with hydraulic head



Hydraulic drum lift with a load capacity of 7.0-10.0 t
Complete with mechanical braking system with hydraulic head for synchronisation with brake hydraulics
Suitable for cable unwinding on wooden or steel drums during the tensioning manoeuvre of overhead wires and the laying of earth cables.
Made of steel, with a design for easy transport.
Lifting of drums by means of hydraulic jacks.
2 disc brakes for control and adjustment of braking power with interchangeable pads.
Steel shaft on ball bearings with fixing cones.

Set includes :
two elements of the hydraulic jack **040**
040TI hydraulic head
040TU set of hydraulic hoses
set of quick couplings

Model	A	B	C	D	E	load capacity [kg]	drum dimensions [mm].	weight
040/7 TI	2000	1500	2800	580	1600	7000 kg	1000-2800 mm	280 kg
040/10 TI	2200	1500	3400	650	1800	10000 kg	1500-3200 mm	500 kg

Hydraulic stand attachments



040TI model

Hydraulic head
Powered by winches, brakes or external power supplies,
The hydraulic motor provides synchronised rotation with the winch and brake winches in both directions. Loads from 7 to 12 tonnes. (Others on request). Maximum torque: 300 daN/m Supply pressure: 150 bar
Maximum speed: 32 rpm.
Suitable for mounting on prepared stands Weight: 80 kg
(Mod. 040 / T, 041 / T)

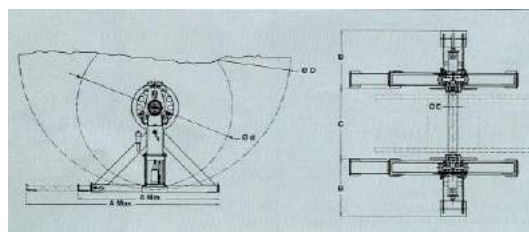
Model 040TU

Hydraulic hose set





Hydraulic jack for cable drums



Model 043

Drum stand

Stand with hydraulic jack and mechanical support, steel construction, painted, used for steel and wooden drums, mainly for underground laying of low-lying cables. Equipped with a complete braking system on the axle, hydraulically controlled.

Model/ load capacity/ dimensions/ weight per pair/ limiting torque (2 brakes)

Note: when ordering, specify the exact diameter of the drum opening, width and type of material: steel or wood

Model	Capacity	A min	A max	B	C max	d	D	E	moment braking daNm	Weight per pair
043/20	20 000 kg	1800	2500	600	1600	2000	3200	95	400	900 kg
043/25	25 000 kg	2200	3000	875	1800	2500	3500	108	400	1000 kg
043/30	30 000 kg	2200	2200	875	2000	2500	4000	147	400	1200 kg
043/35	35 000 kg	2380	3380	875	2600	2900	4700	147	400	1350 kg

041 Hydraulic drum/pulley lifter special version



- Load on request
- Variable width frame
- Hydraulic drive
- Version with "built-in" conical spool available

NOTE: When you place your order, please provide us with the drum specifications.



Additional accessories for lifts

200 , 500 series

Axle for jack Steel tube , powder coated			dedicated to the product					
		L (mm)	Ø	K200/2	K200/4	K500/2	K500/5	K500/8
	KR 48	1500	48 mm					
	KR 70	2000	70 mm					
	KR 90	2000	90 mm					
Adjustable, powder-coated discs to prevent the drum from moving			dedicated to the product					
			Ø	K200/2	K200/4	K500/2	K500/5	K500/8
	KT 70		70 mm					
	KT 90		90 mm					
Adjustable cones to prevent the drum from moving, powder coated			dedicated to the product					
			Ø	K200/2	K200/4	K500/2	K500/5	K500/8
	KP 48		48 mm					
	KP 70		70 mm					
	KP 90		90 mm					

600 series

Axle for jack Solid steel tube ,			dedicated to the product			
		L (mm)	Ø	K600/5	K600/10	K600/15
	KL 75	2000 mm	75 mm			
	KL 90	3000 mm	90 mm			
	KL 100	3000 mm	100 mm			
Adjustable, powder-coated discs to prevent the drum from moving			Ø	dedicated to the product		
				K600/5	K600/10	K600/15
	KT 75		75 mm			
	KT 91		90 mm			
	KT 100		100 mm			



Additional accessories for lifts

700 series

Axle for jack
Solid steel tube , terminated with end pieces on bearings

L (mm) Ø



KL 60	1600	60
KL 75	1800	76
KL 76	2000	76
KL 89	2000	89

dedicated to the product

K300 K700/3 K700/5 K700/10 K700/15



Adjustable cones to prevent the drum from moving, galvanised

Ø



KS 60	60 mm
KS 76	76 mm
KS 89	89 mm

dedicated to the product

K300 K700/3 K700/5 K700/10 K700/15



900 series

Axle for jack
Solid steel tube , terminated with end pieces on bearings

L (mm) Ø



KL 89	2000 mm	89 mm
KL 102	2200 mm	102 mm
KL 114	2600 mm	114 mm
KL 127	2800 mm	127 mm

dedicated to the product

K900/15 K900/20 K900/30 K900/40



Adjustable cones to prevent the drum from moving, galvanised

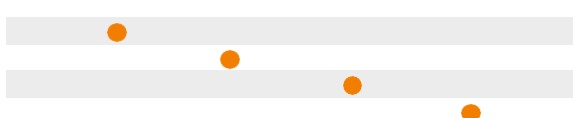
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KS 89	89 mm
KS 102	102 mm
KS 114	114 mm
KS 127	127 mm

dedicated to the product

K900/15 K900/20 K900/30 K900/40

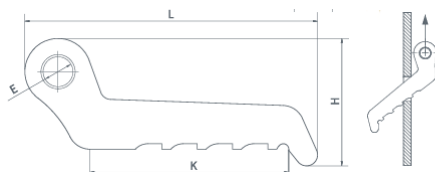


Axle length distribution of the 700 , 900 series in relation to the tonnage Optional versions possible at extra cost

axle diameter	2000 mm	2200 mm	2400 mm	2600 mm	2800 mm
76 mm	10 000 kg	8000 kg	5 000 kg		
89 mm	15 000 kg	12 000 kg	10 000 kg	8000 kg	7000 kg
102 mm	20 000 kg	18 000 kg	15 000 kg	15 000 kg	10 000 kg
114 mm				20 000 kg	18 000 kg
127 mm				30 000 kg	30 000 kg



Cable reel hooks



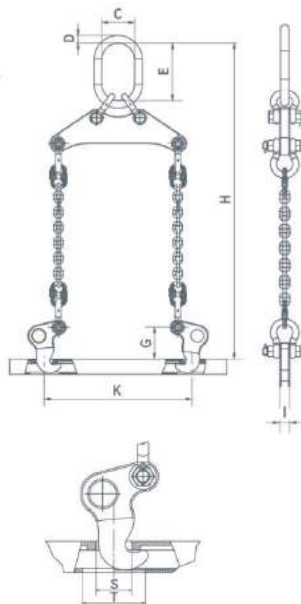
Cable reel lifting hooks Easy insertion for safe and fast installation
Sold in pairs

Model GR

Load capacity 13,000 kg /per pair
Width K 180 mm
H o l e for shackles 27 mm
Hole diameter 55-75
Dimensions 265x115x35 mm

	WLL kg	Dimensions				I	Weight (kg)
		L	K	H	E		
GR	13000 kg	265	180	115	27	35	2x3.2 kg

Traverse holder for drums



Traverse for lifting cable drums

Easy insertion enables safe and quick installation
Chain sling with hooks

Traverse ended with link

Model GR G

Load capacity 2,000 kg
Dimensions 743x340 mm
Weight 9.0 kg

	WLL kg	H	K	T	Dimensions (mm)						Weight (kg)
					S	G	C	D	E	I	
GR G	2000 kg	743	340	70	40	74	75	18	135	20	9 kg



Traverse with handles for lifting cable drums



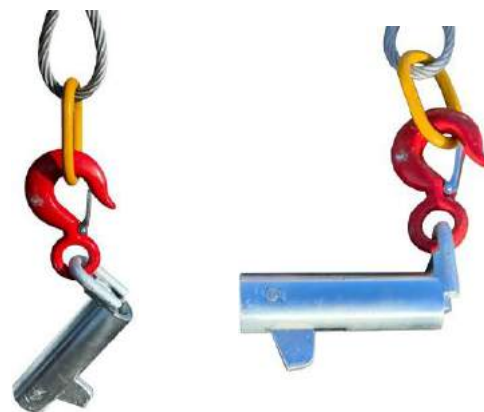
Traverse with handles for lifting cable drums
Safe lifting of drums during unloading Non-axial system (not passing through drums)
Quick installation
Adjustable beam according to drum width

Model K89/6000

Load capacity 6000 kg
Max drum width 1800 mm
Max drum diameter 3000 mm
Diameter of mandrel to drum opening 76 mm
Weight 80 kg

Model K89/8000

Load capacity 8000 kg
Max drum width 1800 mm
Max drum diameter 3000 mm
Diameter of mandrel to drum opening 89 mm
Weight 90 kg



Model K89/76

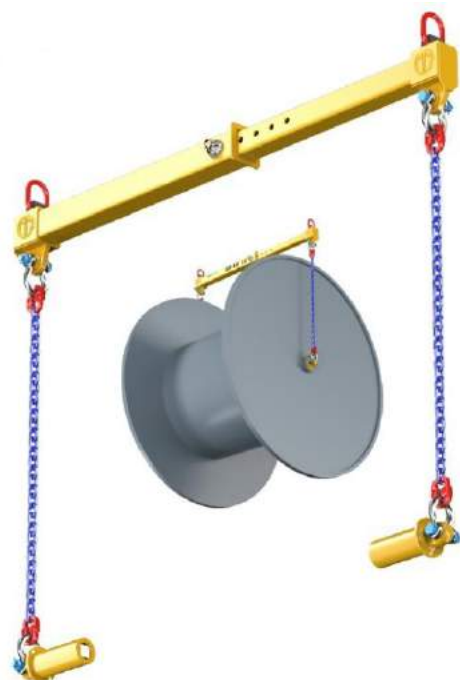
Crosshead sold in pairs
Load capacity 6000 kg
Shank to drum hole diameter 76 mm
Weight 6.0 kg

Model K89/89

Crosshead sold in pairs
Load capacity 8000 kg
Shank diameter for drum opening 89 mm
Weight 7.0 kg



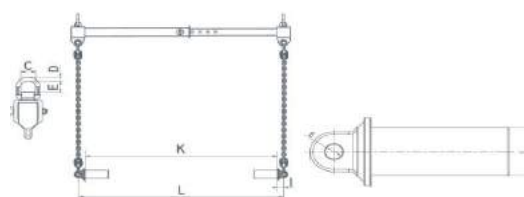
Traverse with magnetic handles for lifting cable drums



Traverse with handles for lifting cable drums
Easy insertion for safe and fast installation

Model GR KK

Load capacity 10 000 kg
Adjustable width 2100/2250/2350/2450
Shackle hole 38 mm
126 mm drum entry mandrel diameter
Weight 220 kg



	kg	L	K	Diam mm			Weight (kg)
GR KK10	10000 kg	2610	2100-2250-2350-2450	96	86	80	220 kg
GR K handle	10000 kg				38	126	2x27 kg

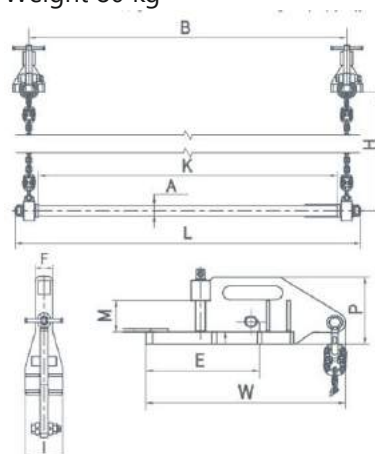
Traverse holder for drums suitable for mounting on excavator bucket



Traverse holder for drums suitable for mounting on excavator bucket

Model GR H

Load capacity 4000 kg
Weight 80 kg



	WLL kg	H	K	Dimensions (mm)							Weight
GR H	4000 kg	1200	1400	1670	51	584	215	100	333	150	9 kg

Cable trailers Trailers for mini excavators

Cable trailers

Drum transport trailers

Drum transport trailers with petrol loading

Drum transport trailers with petrol loading
and drum drive

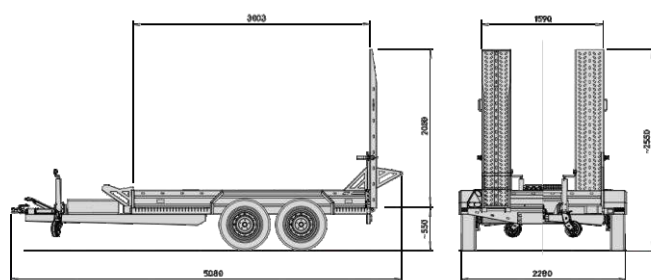
Trailers for mini excavators





Trailer for mini excavator 2065 kg

65270
2065 kg



PARAMETERS

Total permissible weight 2700 kg
Payload 2065 kg
Load length 3003 mm
Load width 1590 mm
Tyres R14C
Braking system
Running gear/axle 2x1350kg
Max speed 100km/h

FEATURES

Standard functions

- strong sideboards integrated in the trailer frame,
- props to stabilise the trailer during loading integrated into the loading ramp,
- steel mudguards integrated into the platforms,
- console for securing the excavator bucket,
- powder-coated trailer frame parts,
- beam to limit the entry of the excavator.

DIMENSIONS

Length 5080 mm
Height 2050 mm
Width 2280 mm

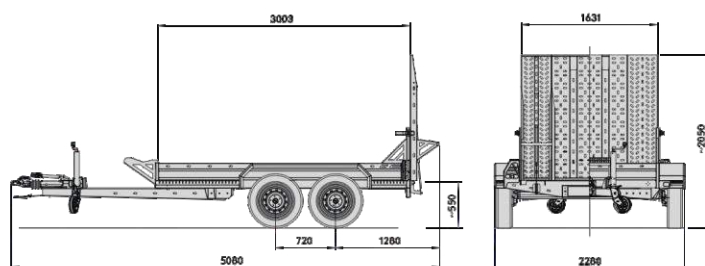
ADDITIONAL EQUIPMENT - OPTIONS

anti-theft eyelet
coupling DIN eyelet fi 40mm
wheel chocks
stabiliser for driving track
winch cover electric winch
remote control of electric winch modern LED
multi-point lighting loading ramp, length 1.5m
loading ramp, length 2.0m



Trailer for mini excavator 2761 kg

65350
2761 kg



PARAMETERS

Total permissible weight 3500 kg
Payload 2761 kg
Load length 3003 mm
Load width 1590 mm
Tyres R14C
Braking system
Running gear/axle 2x1800kg
Max speed 100km/h

FEATURES

Standard functions

- strong sideboards integrated in the trailer frame,
- props to stabilise the trailer during loading integrated into the loading ramp,
- steel mudguards integrated into the platforms,
- console for securing the excavator bucket,
- powder-coated trailer frame parts,
- beam to limit the entry of the excavator.

DIMENSIONS

Length 5080 mm
Height 2050 mm
Width 2280 mm

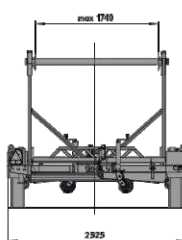
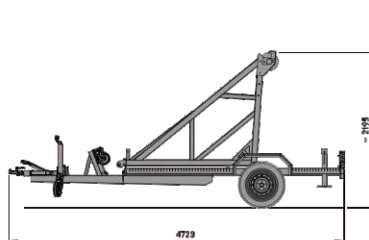
ADDITIONAL EQUIPMENT - OPTIONS

anti-theft eyelet
coupling DIN eyelet fi 40mm
wheel chocks
stabiliser for driving track
winch cover electric winch
remote control of electric winch modern LED
multi-point lighting loading ramp, length 1.5m
loading ramp, length 2.0m



Cable trailer for reels weighing up to 750 kg

66075
750 kg



PARAMETERS

Drum weight 750 kg
Trailer weight 550 kg
Permissible total weight 1,300 kg
Max. drum dimension $\varnothing$ 2,600 kg
Max. drum width 1,700 mm
Bearing axle 60 mm
Maximum speed 100 km/h
Single axle

FEATURES

Standard functions

- Stable transport stand with adjustable drum position,
- adjustable supports to stabilise the trailer during loading,
- steel mudguards integrated into the platforms,
- manual cable winch,
- no light bar to simplify handling.

DIMENSIONS

Length 4723 mm
Height 2195 mm
Width 2525 mm

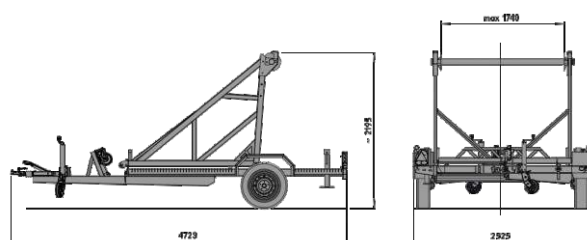
ADDITIONAL EQUIPMENT - OPTIONS

anti-theft eyelet
coupling DIN eyelet $\varnothing$ 40mm
track stabiliser
winch cover electric winch
remote control of the electric winch modern
LED multi-point lighting



Cable trailer for reels weighing up to 2040 kg

66210
2040 kg



PARAMETERS

Drum weight 2040 kg
Trailer weight 660 kg
Permissible total weight 2 700 kg
Max. drum dimensions $\varnothing$ 2600 mm
Max. drum width 1700 mm
Axle bearing 76 mm
Maximum speed 100 km/h
Double axle

FEATURES

Standard functions

- Stable transport stand with adjustable drum position,
- adjustable supports to stabilise the trailer during loading,
- steel mudguards integrated into the platforms,
- manual cable winch,
- no light bar to simplify handling.

DIMENSIONS

Length 4723 mm
Height 2195 mm
Width 2525 mm

ADDITIONAL EQUIPMENT - OPTIONS

anti-theft eyelet
coupling DIN eyelet $\varnothing$ 40mm
track stabiliser
winch cover electric winch
remote control of the electric winch modern
LED multi-point lighting



Cable trailer for reels weighing up to 2850 kg

66280
2850 kg



PARAMETERS

Drum weight 2 850 kg
Trailer weight 650 kg
Permissible total weight 3,500kg
Max. drum dimensions $\varnothing$ 2450 mm
Max. drum width 1400 mm
Axle bearing 76 mm
Maximum speed 100 km/h
Double axle

FEATURES

Standard functions

- Wheels 14"
- Spare wheel holder
- Fixed drawbar
- Overrun chocks

DIMENSIONS

Length 3000 mm
Height 1600 mm
Width 1520 mm

ADDITIONAL EQUIPMENT - OPTIONS

Spare wheel
Drawbar with adjustable coupling
height Hitching eyes DIN40
Anti-theft insert



Cable trailer for reels weighing up to 1,000 kg

50301
1000 kg



PARAMETERS

Model 50301

Drum weight 1,000 kg
Trailer weight 300 kg (without option)
Permissible total weight 1,300 kg
Drum dimensions $\varnothing$ 1,100-1950 mm
Maximum width of drum 1,330 mm
Bearing axle 60 mm
Maximum speed 80 km/h

FEATURES

Standard functions

- Shock absorber and braking system as standard.
- Loading and unloading of the drum using a hand winch
- Ball bearings for axle and spool mounting
- Quick and safe loading by one person
- High-strength steel construction

DIMENSIONS

Length 2950 mm
Height 1400 mm
Width 2000 mm

ADDITIONAL EQUIPMENT - OPTIONS

AC03 - drum rotation system
AC06 - Installation of electric lighting



Cable trailer for reels weighing up to 2000 kg

50302
2000 kg



PARAMETERS

Model 50302

Drum weight 2,000 kg
Trailer weight 550 kg (without option)
Permissible total weight 2 550 kg
Drum dimensions $\varnothing$ 1100-2250 mm
Maximum drum width 1500 mm
Bearing axle 60 mm
Maximum speed 80 km/h

FEATURES

Standard functions

- Shock absorber and brakesystem as standard.
- Loading and unloading of the drum using a hand winch
- Ball bearings for axle and spool mounting
- Quick and safe loading by one person
- High-strength steel construction

DIMENSIONS

Length 3500 mm
Height 1700 mm
Width 2300 mm

ADDITIONAL EQUIPMENT - OPTIONS

AC03 - drum rotation system
AC06 - Installation of electric lighting
AC07 - Cable laying structure



Cable trailer for reels weighing up to 5,000 kg

50101
5000 kg



PARAMETERS

Model 50101

Drum weight 5000 kg
Trailer weight 850 kg (without option)
Permissible total weight 5850 kg
Drum dimensions $\varnothing$ 800-2900 mm
Maximum width of drum 1720 mm
Axle bearing 76 mm
Maximum speed 20 km/h

FEATURES

Standard functions

- Central hydraulic hand pump with lifting balance system
- Parking brake
- Height-adjustable front support wheel
- Stabilisation feet during loading and unloading
- Robust steel construction
- Axle bearing with cones to protect the drum

DIMENSIONS

Length 4500 mm
Height 2000 mm
Width 2550 mm

ADDITIONAL EQUIPMENT - OPTIONS

AC 01 Trailer adapter for small drums
AC 02 Motor loading and unloading diesel
AC 03 Rotation of drum with combustion engine
AC 05 Pneumatic braking system
AC 06 Installation of electric lighting
AC 06 Electrical lighting installation



Cable trailer for reels weighing up to 7800 kg

50102
7800 kg



PARAMETERS

Model 50102

Drum weight 7 800 kg
Trailer weight 1,200 kg (without options)
Permissible total weight 9,000 kg
Drum dimensions $\varnothing$ 1,500-3800 mm
Maximum width of drum 1,720 mm
Bearing axle 76 mm
Maximum speed 20 km/h

FEATURES

Standard functions

- Central hydraulic hand pump with lifting balance system
- Parking brake
- Height-adjustable front support wheel
- Stabilisation feet during loading and unloading
- Robust steel construction
- Axle bearing with cones to protect the drum

DIMENSIONS

Length 4500 mm
Height 2340 mm
Width 2550 mm

ADDITIONAL EQUIPMENT - OPTIONS

AC 01 Trailer adapter for small drums
AC 02 Motor loading and unloading diesel
AC 03 Rotation of drum with combustion engine
AC 05 Pneumatic braking system
AC 06 Installation of electric lighting



Cable trailer for reels weighing up to 10,000 kg

50103
10000 kg



PARAMETERS

Model 50103

Drum weight 10,000 kg
Trailer weight 1,400 kg (without options)
Permissible total weight 11,400 kg
Drum dimensions $\varnothing$ 1850-3500 mm
Maximum drum width 2,200 mm
Axle bearing 76 mm
Maximum speed 20 km/h

FEATURES

Standard functions

- Central hydraulic hand pump with lifting balance system
- Parking brake
- Height-adjustable front support wheel
- Quick and safe loading by one person
- Stabilisation feet during loading and unloading
- Robust steel construction
- Axle bearing with cones to protect the drum

DIMENSIONS

Length 4350 mm
Height 2250 mm
Width 3000 mm

ADDITIONAL EQUIPMENT - OPTIONS

AC 01 Trailer adapter for small drums
AC 02 Motor loading and unloading diesel
AC 03 Rotation of drum with combustion engine
AC 05 Pneumatic braking system
AC 06 Installation of electric lighting
AC 07 Cable laying device



Cable trailer for reels weighing up to 14,000 kg

50104
14000 kg



PARAMETERS

Model 50104

Drum weight 14,000 kg
Trailer weight 2,000 kg
Permissible total weight 16,000 kg
Drum dimensions $\varnothing$ 1900-3600 mm
Maximum drum width 2300 mm
Bearing axle 90 mm
Maximum speed 20 km/h

FEATURES

Standard functions

- Central hydraulic hand pump with lifting balance system
- Parking brake
- Height-adjustable front support wheel
- Quick and safe loading by one person
- Stabilisation feet during loading and unloading
- Robust steel construction
- Axle bearing with cones to protect the drum
- No mudguards
- Delivery in an unfolded state - 3 elements

DIMENSIONS

Length 4500 mm
Height 2000 mm
Width 2550 mm

ADDITIONAL EQUIPMENT - OPTIONS

Options : none



Cable trailer for reels weighing up to 15,000 kg

50105
15000 kg



PARAMETERS

Model 50105

Drum weight 15,000 kg
Trailer weight 2,000 kg (without option)
Permissible total weight 17,000 kg
Drum dimensions $\varnothing$ 1800-3800 mm
Maximum width of drum 2100 mm
Bearing axle 90 mm
Loading and unloading drive - standard
Drum rotation drive - standard
Maximum speed 20 km/h

FEATURES

Standard functions

- Central hydraulic hand pump with lifting balance system
- Parking brake
- Height-adjustable front support wheel
- Quick and safe loading by one person
- Stabilisation feet during loading and unloading
- Robust steel construction
- Axle bearing with cones to protect the drum
- Delivery in an unfolded state - 3 elements

DIMENSIONS

Length 4600 mm
Height 2280 mm
Width 3100 mm

ADDITIONAL EQUIPMENT - OPTIONS

AC 01 Trailer adaptor for small drums
AC 05 Air brake system
AC 06 Electric lighting system



Cable trailer for reels weighing up to 20,000 kg

50106
20000 kg



PARAMETERS

Model 50106

Drum weight 20,000 kg
Trailer weight 2 800 kg (without option)
Permissible total weight 22 800 kg
Drum dimensions $\varnothing$ 1800-4000 mm
Maximum width of drum 2100 mm
Bearing axle 114 mm
Loading and unloading drive - standard
Drum rotation drive - standard
Maximum speed 20 km/h

FEATURES

Standard functions

- Central hydraulic hand pump with lifting balance system
- Parking brake
- Height-adjustable front support wheel
- Quick and safe loading by one person
- Stabilisation feet during loading and unloading
- Robust steel construction
- Axle bearing with cones to secure the drum
- Delivery in an unfolded state - 3 elements

DIMENSIONS

Length 4600 mm
Height 2280 mm
Width 3100 mm

ADDITIONAL EQUIPMENT - OPTIONS

AC 01 Trailer adaptor for small drums
AC 05 Pneumatic braking system
AC 06 Electrical lighting installation and



Cable trailer for reels weighing up to 25,000 kg

50107
25000 kg



PARAMETERS

Model 50107

Drum weight 25,000 kg
Trailer weight 4 900 kg (without options)
Permissible total weight 29 900 kg
Drum dimensions $\varnothing$ 2050-4800 mm
Maximum drum width 2500 mm
Bearing axle 114 mm
Loading and unloading drive - standard
Drum rotation drive - standard
Maximum speed 20 km/h

FEATURES

Standard functions

- Central hydraulic hand pump with lifting balance system
- Parking brake
- Height-adjustable front support wheel
- Quick and safe loading by one person
- Stabilisation feet during loading and unloading
- Robust steel construction
- Axle bearing with cones to protect the drum
- Delivery in an unfolded state - 3 elements

DIMENSIONS

Length 5750 mm
Height 3000 mm
Width 3780 mm

ADDITIONAL EQUIPMENT - OPTIONS

AC 01 Trailer adaptor for small drums
AC 05 Air brake system
AC 06 Electric lighting system



Cable trailer for reels weighing up to 30,000 kg

50108
30000 kg



PARAMETERS

Model 50108

Drum weight 30,000 kg
Trailer weight 4 900 kg (without options)
Permissible total weight 34 900 kg
Drum dimensions $\varnothing$ 2050-4800 mm
Maximum drum width 2500 mm
Bearing axle 127 mm
Loading and unloading drive - standard
Drum rotation drive - standard
Pneumatic braking system - standard
Maximum speed 20 km/h

FEATURES

Standard functions

- Central hydraulic hand pump with lifting balance system
- Parking brake
- Height-adjustable front support wheel
- Quick and safe loading by one person
- Stabilisation feet during loading and unloading
- Robust steel construction
- Axle bearing with cones to protect the drum
- Delivery in an unfolded state - 3 elements

DIMENSIONS

Length 5750 mm
Height 3000 mm
Width 3780 mm

ADDITIONAL EQUIPMENT - OPTIONS

AC 06 Electrical lighting installation

Cable winches and cable pushing machines

Cable pushing support machine
Small cable winches up to 10 kN
Medium cable winches up to 25 kN
Large cable winches up to 250 kN

electrasklep.pl
electrapolska.com



Electric cable push machine



Model 16075

EKR350 Electric cable winch support machine, used in cable lines to protect the cable in difficult terrain, bends etc. Its function is to support the cable before the bend in order to reduce the stress on the cable.

EKR 350 model with electric drive 350

daN assisted power Accessories

Length measuring device (optional)

electric switch to change the pushing direction (optional)

integrated disc brake (optional)

cascade operation (optional)

emergency shutdown (optional)

Technical data :

1.1 kW motor

350 daN assist force

Speed 0-10 m / min.

Cable diameter 30-150 mm

Dimensions 1100 x 450 x 930 mm

Weight 115 kg

Electric cable push machine



Model 13449

EKR 700 Electric cable winch booster machine, used in cable lines to protect the cable in difficult terrain, bends etc., its function is to support the cable before it bends in order to reduce the stress on the cable. Its function is to support the cable before the bend in order to reduce the stress on the cable.

EKR 700 model with electric drive

Booster power 700 daN Optional

equipment

Length measuring device (optional)

electric switch to change the pushing direction (optional)

integrated disc brake (optional)

cascade operation (optional)

emergency shutdown (optional)

Technical data :

1.5 kW motor

Supporting force 700 daN

Speed 0-10 m / min.

Cable diameter 30-150 mm

Dimensions 1700 x 550 x 930 mm

Weight 185 kg





Combustion engine-driven cable pushing machine



Model 15612

VKR700 Combustion engine-driven cable winch booster, used in cable lines to protect the cable in difficult terrain, on bends etc. Its function is to support the cable before the bend in order to reduce the stress on the cable.

Model VKR 700 with internal combustion engine (petrol or diesel) Booster power 700 daN

Additional equipment

Length measuring device (optional)

Technical data :

Internal combustion engine 4.1 kW

Booster force 700 daN

Speed 0-10 m / min.

Cable diameter 30-150 mm

Dimensions 1700 x 720 x 1040 mm

Weight 190 kg



Hydraulic cable pushing machine



Model 74932

HKR400 Hydraulic cable winch support machine, used in cable lines to protect the cable in difficult terrain, bends etc. Its function is to support the cable before the bend in order to reduce the stress on the cable.

HKR 400 model with hydraulic station drive

Booster force 400 daN

Additional equipment

Length measuring device (optional)

Technical data :

Hydraulic drive

Supporting force 400 daN

Speed 0-55 m / min.

Cable diameter 25-50 mm

Dimensions 750x360x530 mm

Weight 48 kg without power station





Hydraulic cable pushing machine



Model 72723

HKR700 Hydraulic cable winch support machine, used in cable lines to protect the cable in difficult terrain, bends etc. Its function is to support the cable before the bend in order to reduce the stress on the cable.

HKR 700 model with hydraulic station drive

Booster force 700 daN

Additional equipment

Length measuring device (optional)

Technical data :

Hydraulic station drive

Booster force

700 daN Speed 0-15 m / min.

Cable diameter 30-150 mm

Dimensions 1700 x 550 x 1040 mm

Weight 170 kg



Hydraulic station

Power 6.6 kW

Capacity 20 l/min

Pressure 140 bar

Dimensions 820x490x610 mm

Weight 81 kg

Hydraulic cable pushing machine



Model 75842

HKR1000 Hydraulic cable winch support machine, used in cable lines to protect the cable in difficult terrain, bends etc. Its function is to support the cable before the bend in order to reduce the stress on the cable.

HKR 1000 model with hydraulic station drive

Booster force 1000 daN

Additional equipment

Length measuring device (optional)

Technical data :

Hydraulic station drive

Booster force 1000 daN

Speed 0-20 m / min.

Cable diameter 30-150 mm

Dimensions 1300x550x1000 mm

Weight 160 kg



Hydraulic station

Power 6.6 kW

Capacity 20 l/min

Pressure 140 bar

Dimensions 820x490x610 mm

Weight 81 kg



Electric cable push machine



Model KD400

Electric "Cable Dog" to assist cable winches, used in cable lines to protect the cable in difficult terrain, bends etc., its function is to support the cable before the bend in order to reduce the stress on the cable.

Model KD400 with electric drive

Adjustable push-pull cable Support force 4 kN

Unlimited speed option

Suitable for support in cable trays

Can also be used as a cable winch

Technical data :

1.1 kW 230V motor

Supporting force 400 daN

Speed 0-20 m / min.

Cable diameter 12-75 mm

Dimensions 630x450x350 mm

Weight 54 kg



Electric cable push machine



Model KD800

Electric "Cable Dog" to assist cable winches, used on cable lines to protect the cable in difficult terrain, bends etc., its function is to support the cable before the bend in order to reduce the stress on the cable.

Model KD800 with electric drive Adjustable push-

pull cable Support force 8 kN

Unlimited speed option

Suitable for supporting in cable trays

Technical data :

1.1 kW 230V motor

Supporting force 800 daN

Speed 0-20 m / min.

Cable diameter 30-180 mm

Dimensions 1300x630x610 mm

Weight 210 kg





Electric cable winch 1000 kg on a steel base



Model KWP1000

Cable winch electric version
Metal base version with control box

Freewheeling rope drum , one-hand control system for rope speed and rope retrieval
Easy to transport and install, suitable for pulling through cable trays
Adjustable pulling force limiting device .

Technical data :

1.1 kW 230V motor
Pulling force 1000 kg
Speed 0-10 m / min.
Dimensions 720x310x250mm
Weight 51 kg

Electric cable winch 1000 kg on frame



Model KWR1000

Cable winch electric version version on metal frame with safety net
Two handles for carrying the winch in the field

Freewheeling rope drum , one-hand control system for rope speed and rope retrieval
Easy to transport and install, suitable for pulling through cable trays
Adjustable pulling force limiting device . In the frame, two eyelets to engage the winch

Technical data :

1.1 kW 230V motor
Pulling force 1000 kg
Speed 0-15 m / min.
Dimensions 650x550x540 mm
Weight 105 kg

Electric cable winch 1000 kg on trolley with wheels



Model KWK1000

Cable winch electric version
Metal frame version with wheels for transport Two handles for carrying the winch in the field

Freewheeling rope drum , one-hand control system for rope speed and rope retrieval
Easy to transport and install, suitable for pulling through cable trays
Adjustable pulling force limiting device . In the frame, two eyelets to engage the winch

Technical data :

1.1 kW 230V motor
Pulling force 1000 kg
Speed 7.5-15 m / min.
Dimensions 1000x500x600 mm
Weight 130 kg



Petrol cable winch 1000 kg on trolley with wheels



Model KWB1000

Cable winch diesel version (Pb) Metal frame version with wheels for transport Two handles for moving the winch in the field

Freewheeling rope drum , one-hand control system for rope speed and rope retrieval

Easy to transport and install, suitable for pulling through cable trays

Adjustable pulling force limiting device . In the frame, two eyelets to engage the winch

Technical data :

Petrol engine

Pulling power 1000 kg

Speed 12.5-25.0 m / min.

Dimensions 1000x500x600 mm

Weight 115 kg

Cable winch 3000 kg for mounting on excavator

NOWY
produkt



Model KWK3000

Cable winch for mounting on an excavator

Dedicated version for excavators with hydraulic coupling Quick Hirsch mounting version

The small dimensions and easy assembly are ideal for work on electrical installations, energy installations, sewage installations, etc.

Power supply and control from excavator increases winch comfort

Technical data :

Hydraulic supply from excavator

Pulling force 3000 kg

Speed 0-30 m / min.

Dimensions 690x650x570 mm

Weight 230 kg





PCW 3000 Li - Cordless cable winch 1000 kg



The PCW 3000-Li battery-powered winch is the perfect helper for work on the construction site. The PCW 3000-Li winch is regarded as one of the greatest innovations of the last 20 years. Universally applicable for electrical and mechanical installations, etc. The battery-powered ascender is fully reliable, enables quick mounting to a tree, pole or trunk as well as to a car towbar. Simple and convenient handling enables quick set-up, the ascender is virtually maintenance-free. The rope length is unlimited (recommended rope model 1112). Additional advantages of the device are low weight, reliability and constant pulling power. The winch is quiet, environmentally friendly, emission-free and works without odour or smog.

Battery:

The 82 V - 2.5 Ah battery has an operating time of 45 minutes. The Li-ion battery can be recharged at any time without fear of damage. The self-discharge rate is very low at 1.25 %/month. The battery contains a display showing the remaining operating time.

Technical parameters:

Rechargeable battery: Li-ion, 82 V - 2.5 Ah (not included in the supply)

Charger: (not included in the supply)

Operating time after battery charge: 45 minutes

Drive: 1.0 kW electric motor

Overload protection with automatic switch-off: Yes

Maximum pulling force: 1000 kg via an additional 2000 kg pulley

Dimensions: width 30.2 cm, length 31.8 cm, height 31 cm Duty cycle: continuous

Winch drum: 76 mm Weight: 9.5 kg

Number of speeds: 3

Speed: 1 - 8.1 m/min

Speed: 2 - 10 m/min

Speed: 3 - 11.6 m/min

Rope - (Double braided low stretch polyester rope of unlimited length):

Recommended model 1112

Minimum diameter: 10 mm

Maximum diameter: 13 mm

Recommended diameter: 10 mm

Gearbox: aluminium alloy, three-stage after heat treatment, gear ratio: 200:1 Aluminium alloy

Shafts with ball bearings

Package contents:

Basis of delivery :

1 x PCW3000-Li rechargeable winch. (charger and battery not included)



PCW 3000 - Combustion powered cable winch 700 kg



A winch designed to be lightweight, powerful and reliable. A portable winch that helps perform labour-intensive tasks in all terrain conditions, regardless of rope length.

Powered by a Honda GX-35 cm³ four-stroke engine. Extremely popular with hunters looking for a lightweight, compact tool. Appreciated by occasional users who need a powerful winch for various tasks in the field.

Weighs just 9.5 kg. Capacity 700 kg of pulling force directly on a single rope or 1000 kg via a pulley. Efficient and very easy to transport.

The PCW3000 allows the use of any length of rope. The ideal rope for this model is a double-braided polyester rope with a diameter of 12 mm!

Very easy to use! Attach the rope to the object to be moved and wrap the opposite end three (or four) times around the winch drum. When the motor is running, the winch drum rotates continuously and the friction created by pulling/tensioning on the free end of the rope moves the rope and pulls the object.

Pull

Maximum pulling force with pre-installed drum: 700 kg directly or 1000 kg with pulley

Winch drums Factory-installed: 76 mm

Speed 76 mm drum: 10 m/min

Recommended Rope

Double-braided low-stretch polyester rope - unlimited length Minimum rope diameter: 10 mm

Maximum rope diameter: 12 mm

Ideal/recommended rope diameter: 12 mm (model 1112)

Engine and transmission

Engine: Honda 4-stroke GX-35 cm³ - all positions

Gear and gears: Aluminium alloy housing. Heat-treated 3-stage gearing. Shafts mounted on ball bearings.

Oil sump lubrication.

Ratio: 200: 1

Brake: anti-reverse needle bearing Clutch: not applicable - direct drive The drum rotates at idle:

Yes

Duty cycle: continuous

Weight and dimensions Weight:

9.5 kg

Length: 28.9 cm

Width: 35 cm

Height: 26.1 cm

Assembly

60 mm x 2 m polyester belt included (PCA-1260)



PCW 4000/76 - Diesel cable winch 1000 kg



The PCW 4000 diesel winch features a Honda GX50 four-stroke engine that offers a high power output of as much as 1.47 kW (2.0 hp) and a low weight. It is Honda's first four-stroke model in the 2 hp class and can be rotated 360° during operation and storage.

Other advantages of the engine also include smooth running, proven reliability, easy starting, easy operation and maintenance and, of course, compliance with emissions regulations.

The PCW 4000 winch achieves a pulling force of 1,000 kg directly or 2,000 kg when a pulley is used.

If you need full power, use the standard 76mm winch, which pulls out at 12 metres per minute. If you need more speed, the optional 85mm winch will pull 700kg

at a speed of 18 metres per minute. The PVC 4000 is suitable for use with 12 mm rope.

The rope length is unlimited depending on your needs.

The unit provides long-lasting intensive service to any owner.

The PCW 4000 portable winch is equipped with an automatic cable brake, which ensures that the load remains in place even if the user stops pulling. This is very useful in potentially risky situations. This newly developed brake is unique in the winch market. It releases automatically, is practical and gentle on the rope.

As soon as you pull the guide rope through the reverse brake, the winch starts to pull.

As soon as the rope is released, the drum stops rotating and the automatic brake does its job, holding the load in place.

Parameters:

Engine: Honda GX50 360° Multi-Position-Engine (running in any position), 4-stroke

Engine power: 1.47 kW (2.0 hp)

Pulling power: 1000 kg via an additional 2000 kg pulley

Dimensions (overall): 42 cm x 30 cm x 28.5 cm

Drum: Ø 76 mm

Included: 60 mm x 2 m polyester mounting strap

Weight: 12 kg

Recommended rope

Minimum diameter: 10 mm

Maximum diameter: 12 mm



PCW 5000/57 - Diesel-powered cable winch 1000 kg



A winch designed to be lightweight, powerful and reliable. A portable winch that helps perform labour-intensive tasks in all terrain conditions, regardless of rope length.
Ideal for hauling heavy loads!

A winch powered by a HONDA GXH-50 cm³ four-stroke engine, designed for heavy loads. Weighing just 16 kg, it offers a pulling force of 1,000 kg directly or 2,000 kg via blocks. In addition, there are two speed options thanks to interchangeable winch drums. If you care about power, choose a drum with a diameter of 57 mm, pulling at 12 metres per minute. If your situation requires SPEED, choose an 85 mm drum pulling at 18 metres per minute.

Portable winch PCW5000 can be used with any length of braided polyester rope with a diameter of 12 mm and with all devices and accessories for the winch.

The 57 mm drum has been fitted to the winch at the factory. The 85 mm drum is sold separately (PCA-1100).

Included is a multi-purpose polyester strap (60 mm x 2 m.), which can be used for many winch mounting and anchoring applications.

Pull

Maximum pulling force with pre-installed 57 mm drum-1000 kg or 2000 kg with pulley Maximum pulling force with pre-installed 85 mm drum-700 kg or 1000 kg with pulley

Winch drums Factory installed: 57 mm Optional to purchase: 85 mm

Speed

57 mm drum: 12 m/min

85 mm drum: 18 m/min

Recommended Rope

Double-braided low-stretch polyester rope - unlimited length Minimum rope diameter: 10 mm

Maximum rope diameter: 16 mm

Ideal/recommended rope diameter: 12 mm (1112)

Engine and transmission

Engine: Honda 4-stroke GXH-50 cm³

Gear and gears: Aluminium alloy housing. Gear ratio: 110: 1

Brake: anti-reverse needle bearing Clutch: not applicable - direct drive

The drum rotates at idle: Yes

Weight and dimensions

Weight: 16 kg

Length: 36.2 cm

Width: 37.1 cm

Height: 36.1 cm



PCW 5000/HS57 - Combustion engine driven cable winch 500 kg



The PCW 5000-HS winch is the winch with the highest pulling speed. The ideal winch for jobs that require higher speeds and performance during operation, such as pulling cables or fibre optic cable. This model is powered by a reliable Honda GX-50 cm³ four-stroke engine.

The maximum towing capacity of this model is 350 kg directly. By adding a block system, up to five times the pulling force can be achieved. This means that up to 1750 kg can be pulled with two double blocks! Portable

Unlimited cable length efficient

Low weight

The PCW 5000-HS has great power and two speeds thanks to its variable drive drums.

If you need all the power, we recommend using the standard 57 mm drum, which pulls 24 metres of rope per minute. If you need higher speeds, use the optional 85 mm drum, which pulls speeds up to 36 metres per minute. Rope lengths are unlimited depending on your needs.

Quick connection Easy

to use High security

Maintenance-free maintenance of the rewind section Not designed for lifting

Gearbox 53:1

Based on the same successful design as the PCW 5000, the PCW 5000-HS has been fitted with a speed-optimised gearbox. Thus, at 36 metres per minute, it can pull loads up to three times faster than its predecessor, making it ideal for smaller loads over longer distances. In addition, the winch's winch drum concept, allows users to pull loads over unlimited rope lengths simply, efficiently and safely without losing energy.

The Portable Winch PCW 5000-HS Portable Winch ensures a long, intensive service life for any owner of this great machine.

Engine: Honda GXH50 cc, 4-stroke

Pulling force 500 kg on additional 1000 kg

pulley Speed/drum 57 mm: 24 m/min

Rope length: unlimited

Dimensions (LxWxH): 36.2 x 37.1 x 36.1 cm

Weight: 16 kg



Hydraulic winch model 101A1

NOWY
produkt



101A1
MADE IN ITALY
1000 kg



PARAMETERS

Maximum load 10 kN
Maximum speed 35 m/min
Speed at max load 13m/min
Drum dimensions $\varnothing$ 160(331) x 440 mm
Drum capacity 250 m rope 10 mm
Weight without rope 190 kg

FEATURES AND OPTIONS

Standard functions

- one hydraulic circuit with negative braking system
- one dynamometer for direct reading of the pull-in value with load limiting device
- transport kit with rigid axle for manual towing
- Levelled hook for balanced winch lifting

ENGINE

Petrol (8.5 hp) 6.3 kW
Air-cooled Start - cable

DIMENSIONS

Length 1520 mm
Height 580 mm
Width 660 mm

ADDITIONAL

EQUIPMENT - OPTIONS

- 14-PW winch with large groove and rope holder
- 17-PW Special drum with automatic device retractable
 - A- $\varnothing$ 160x250 (200 m rope $\varnothing$ 8)
 - B- $\varnothing$ 160x560 (rope 500 m $\varnothing$ 8)





Hydraulic winch model 101C1

NOWY
produkt

101C1
MADE IN ITALY
1000 kg



PARAMETERS

Maximum load 10 kN
Speed at maximum tension 13 m/min
Maximum speed 35 m.p.m.
Force at maximum speed 3.8 kN
Drum dimensions $\varnothing$ 270(480) x 520 mm ,
reel $\varnothing$ 230 mm Drum capacity 580 m rope 10 mm
Weight without rope 350 kg

ENGINE

Petrol (8.5 hp) 6.3 kW Air-
cooled Start - cable

DIMENSIONS

Length 1380 mm
Height 870 mm
Width 1150 mm

FEATURES AND OPTIONS

Standard functions

- one hydraulic circuit with negative braking system
- one dynamometer for direct reading of the pull-in value with load limiting device
- winch with large groove and line holder
- transport kit with rigid axle for manual towing
- Levelled hook for balanced winch lifting

ADDITIONAL

EQUIPMENT - OPTIONS

- 11-PW - road kit (80 km/h) 17-PW
- cone drum





Overhead and cable line hydraulic winch model 107R1

107R1
MADE IN ITALY
2000 kg

STAGE 5
READY



PARAMETERS

Maximum load 20 kN
Speed at maximum pull 1.0 km/h
Maximum speed 4.5 km/h
Force at maximum speed 5.0 kN
Spool dimensions $\varnothing$ 200 x 220 mm , Cabstan200 mm
Spool capacity 500 m rope 9 mm , max rope 10 mm
Weight without rope 440 kg

ENGINE

Petrol (18.0 hp) 13.0 kW Cooling : liquid
Start - electric

DIMENSIONS

Length 1450 mm
Height 750 mm
Width 850 mm

FEATURES AND OPTIONS

Standard functions

- one hydraulic circuit with negative braking system
- one dynamometer for direct reading of the pull-in value with load limiting device
- Heat-treated steel winches
- automatic winding system
- removable rear spool
- roller system for laying underground cables
- Rigid axle with towing capacity up to 30 km/h
- leveled hook for balanced winch lifting

ADDITIONAL

EQUIPMENT - OPTIONS

- 01-PW Adaptation for digital data recorder, counter and speedometer
- 11-PW Road trailer kit (80 km/h)
- 18-PW Digital metre counter

Can be supplied on frame only for mounting on car/trailer





Cable winch model 104R3 with automatically retractable spool

104R3
MADE IN ITALY
3500 kg



PARAMETERS

Maximum load 35 kN
Speed at maximum load 15 m/min
Maximum speed 45 m/min
Force at maximum speed 10 kN
Cabstan 200 mm
Maximum rope diameter 10 mm
Rope capacity on spool 1000 m
Weight 1100 kg

ENGINE

Diesel (25.0 hp) 19kW
Cooling: liquid
Start - electric

DIMENSIONS

Length 3200 mm
Height 1500 mm
Width 1700 mm

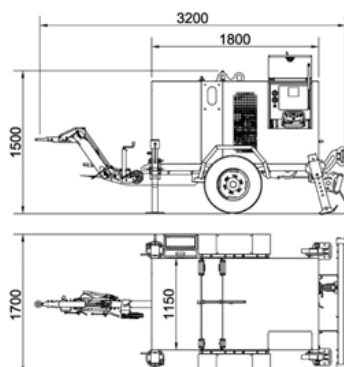
FEATURES AND OPTIONS

Standard functions

- one hydraulic circuit with negative braking system
- Control panel with 7" LCD touch screen display, which includes: settings for maximum pulling force and immediate indication of force, counter, speed indicator
- Number of operating hours
- USB output for data recording
- Remote control c/w console 5 m cable
- Road train 1600 kg (80 km/h)
- Levelled winch lifting hook

ADDITIONAL EQUIPMENT - OPTIONS

04-PW Wireless remote control
13-PW Motor heater to -30 °C





Cable winch model 104R5 with automatically retractable spool

104R5
MADE IN ITALY
5500 kg



PARAMETERS

Maximum load 55 kN
Speed at maximum load 11 m/min
Maximum speed 55 m/min
Force at maximum speed 11 kN
Cabstan 250 mm
Maximum rope diameter 12 mm / 1100 m
Weight 1850 kg

ENGINE

Diesel (36.5 HP) 27 kW
Cooling: liquid Start - electric

FEATURES AND OPTIONS

Standard functions

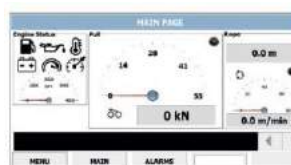
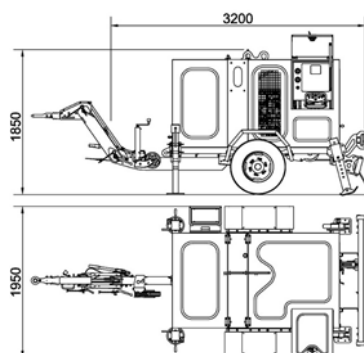
- one hydraulic circuit with negative braking system
- Control panel with 7" LCD touch screen display, which includes: settings for maximum pulling force and immediate indication of force, counter, speed indicator
- Number of operating hours
- USB output for data recording
- Remote control c/w console 5 m cable
- Road kit 2500 kg (80 km/h)
- Levelled winch lifting hook

DIMENSIONS

Length 3200 mm
Height 1850 mm
Width 1950 mm

EQUIPMENT - OPTIONS

04-PW Wireless remote control
13-PW Motor heater to -30 °C





Cable winch model 104R7 with automatically retractable spool

104R7
MADE IN ITALY
7000 kg



PARAMETERS

Maximum load 70 kN
Speed at maximum load 8 m/min
Maximum speed 55 m/min
Force at maximum speed 11 kN
Cabstan 250 mm
Maximum rope diameter 14 mm - 800 m
Weight 1850 kg

ENGINE

Diesel (36.5 hp) 27kW
Cooling: liquid
Start - electric

DIMENSIONS

Length 3200 mm
Height 1850 mm
Width 1950 mm

FEATURES AND OPTIONS

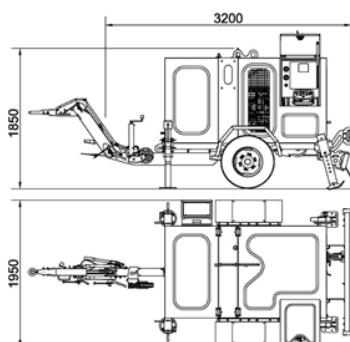
Standard functions

- one hydraulic circuit with negative braking system
- Control panel with 7" LCD touch screen display, which includes: settings for maximum pulling force and immediate indication of force, counter, speed indicator
- Number of operating hours
- USB output for data recording
- Remote control c/w console 5 m cable
- Road kit 2500 kg (80 km/h)
- Levelled winch lifting hook

ADDITIONAL

EQUIPMENT - OPTIONS

- 04-PW Wireless remote control
- 13-PW Motor heater to -30 °C





Cable winch model 104R10 with automatically retractable spool



104R10
MADE IN ITALY
10500 kg



PARAMETERS

Maximum load 105 kN
Speed at maximum load 6 m/min
Maximum speed 45 m/min
Force at maximum speed 14 kN
Cabstan 360 mm
Maximum rope diameter 16 mm - 800 m
Weight 2860 kg

ENGINE

Diesel (48.0 hp) 35
kW Cooling: liquid
Start - electric

FEATURES AND OPTIONS

Standard functions

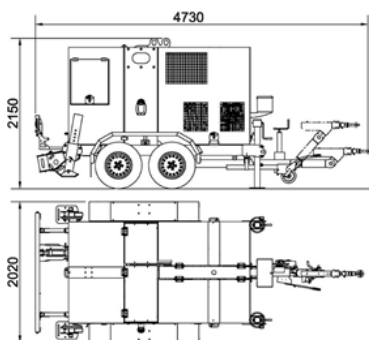
- one hydraulic circuit with negative braking system
- Control panel with 7" LCD touch screen display, which includes: settings for maximum pulling force and immediate indication of force, counter, speed indicator
- Number of operating hours
- USB output for data recording
- Remote control c/w console 5 m cable
- Road kit 3500 kg (80 km/h)
- Levelled winch lifting hook

DIMENSIONS

Length 4730 mm
Height 2150 mm
Width 2020 mm

ADDITIONAL EQUIPMENT - OPTIONS

04-PW Wireless remote control
13-PW Motor heater to -30 °C





Cable winch model 104R15 with automatically retractable spool



104R15
MADE IN ITALY
15000 kg

STAGE 5
READY

PARAMETERS

Maximum load 150 kN
Speed at maximum load 11 m/min
Maximum speed 30 m/min
Force at maximum speed 50 kN
Cabstan 360 mm
Maximum rope diameter 18 mm - 600 m
Weight 2860 kg

ENGINE

Diesel (73.0 hp) 54
kW Cooling: liquid
Start - electric

DIMENSIONS

Length 3900 mm
Height 2050 mm
Width 2200 mm

FEATURES AND OPTIONS

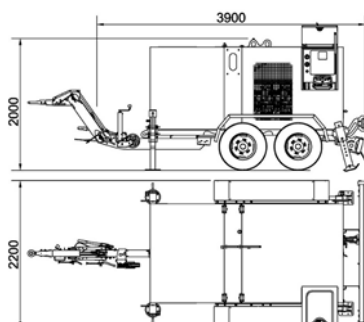
Standard functions

- one hydraulic circuit with negative braking system
- Control panel with 7" LCD touch screen display, which includes: settings for maximum pulling force and immediate indication of force, counter, speed indicator
- Number of operating hours
- USB output for data recording
- Remote control c/w console 5 m cable
- Road kit 3500 kg (80 km/h)
- Levelled winch lifting hook

ADDITIONAL

EQUIPMENT - OPTIONS

04-PW Wireless remote control
13-PW Motor heater to -30 °C





Cable winch model 104R25 with automatically retractable spool



104R25
MADE IN ITALY
25000 kg



PARAMETERS

Maximum load 250 kN
Speed at maximum load 5 m/min
Maximum speed 30 m/min
Force at maximum speed 40 kN
Cabstan 380 mm
Maximum rope diameter 22 mm - 1000 m
Weight 4300 kg

ENGINE

Diesel (73.0 hp) 54 kW
Cooling: liquid Start - electric

DIMENSIONS

Length 4730 mm
Height 2150 mm
Width 2120 mm

FEATURES AND OPTIONS

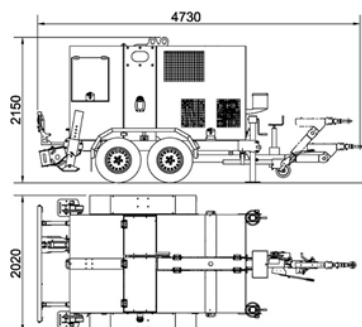
Standard functions

- one hydraulic circuit with negative braking system
- Control panel with 7" LCD touch screen display, which includes: settings for maximum pulling force and immediate indication of force, counter, speed indicator
- Number of operating hours
- USB output for data recording
- Remote control c/w console 5 m cable
- Road kit 6000 kg (80 km/h)
- Levelled winch lifting hook

ADDITIONAL

EQUIPMENT - OPTIONS

- 04-PW Wireless remote control
- 13-PW Motor heater to -30 °C





Anti-twist steel cable



Galvanised steel wire rope,
untwisted, 12 strand model 1000 Dedicated
lengths wrapped on steel spools

It is used as a pilot or hauling rope in overhead
or cable lines

Symbol	Ø mm	Weaves	Diameter (mm)	Rope weight kg/m	Breaking force kN	Workforce kN
1009	9,0	12	2,0	0,22	49,0	16,3
1010	10,0	12	2,5	0,23	72,0	24,0
1011	11,0	12	3,0	0,42	84,0	28,0
1013	13,0	12	3,5	0,48	105,0	35,0
1016	16,0	12	4,0	0,76	160,0	53,3
1018	18,0	12	4,5	1,01	212,0	70,6

Polypropylene rope



Polypropylene rope

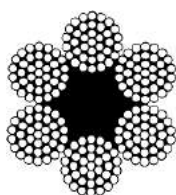
Ropes specially spliced according to EN ISO 1346 Dyed in the raw material. UV stabilised. Resistant to chemical and organic substances and does not absorb water.

Optional: polypropylene rope stand

	12	mm10 mm	dimension	weight
K129	500 m.	700 m.	745x793x350	21 kg.

Symbol	Ø mm	Rope weight kg/m	Breaking force kN
1108	8,0	0,02	10,0
1110	10,0	0,04	15,0
1112	12,0	0,06	22,1
1114	14,0	0,08	28,0
1116	16,0	0,11	37,5
1118	18,0	0,14	45,0
1120	20,0	0,18	56,0

Wire rope 6 x 37 + FC



Other dimensions available with 32 mm

Symbol	Ø mm Diameter (mm)	Breaking force kN	Weight kg/100 m
R06	6,0	18,8	12,5
R08	8,0	33,4	22,1
R10	10,0	52,2	34,6
R11	11,0	63,2	41,9
R12	12,0	75,2	49,8
R14	14,0	102,3	67,8
R16	16,0	133,6	88,5
R18	18,0	169,1	112,1
R20	20,0	208,8	138,4
R22	22,0	252,7	167,46



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Crimping tools

Mechanical crimping tools

Hydraulic crimping tools

Battery crimping tools

Dies

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E20 NANO Electro-hydraulic crimping tools 18.0 V

Series
20

complete
with
matrices



Description :

Model E20 NANO

Die series 20 Snap-on head
Weight 1.84 kg
Piston stroke 10 mm
Working range
Al. DIN 16-150 ^{mm2}
Al thin wall 25-185 ^{mm2} Cu standard 6-240 ^{mm2}
Cu DIN 10-185 ^{mm2}
Pressing up to 5 seconds
Operating pressure 700 bar
Pressure 35 kN
360 degree rotatable head
Biodegradable oil

Operating range -20 to +40 degrees C

Height 345x90x85 mm

Power supply :

Makita Li-Ion 18.0 V, 2.0 Ah battery charger with active cooling system: cools down the battery during charging thanks to the built-in fan
Battery type: Lithium Ion/Li-Ion
Battery capacities: 1.3-5.0 (2.0 Ah battery standard)
Charging time: approx. 22 min
Charger supply 230 V

LED indication of battery charge status LED panel with battery data and number of pressings Automatic pressure fuse
Manual / automatic piston return Stop scissor operation / piston return - immediate LED work area illumination - 2 LEDs Single-stage pump (single-stage clamping) Composite handle
Handle for attaching to belt or suspension

The set includes :

Cordless press E20 NANO
Charger Makita
Battery E18/2.0 - capacity 2.0Ah ,

Plastic carrying case
Operating instructions

Dies 6-240 mm² - 13 pieces included

Code 6-7-8-10-12-14-16-18-19-20-22-23-25

Options :

Additional battery Power adapter Choice of masters
Milwaukee battery adapter

Description of photographs

1. Handy handle to hold the tool
2. Composite handle
3. Metal piston return button
4. Display with battery status and number of pressings performed
5. Night mode - workplace lighting standard
6. Snap-on swivel head
- 7-8 Charger and 18V 2.0 Ah battery as standard





P20 Mechanical crimping tools

Series 20



complete with
matrices



P20 model

Die series 20 Snap-on head

Weight 2.7 kg

Piston stroke 15 mm

Operating range

Al. DIN 16-150 ^{mm²}

Al thin wall 25-185 ^{mm²}

Cu standard 6-240 ^{mm²}

Cu DIN 10-185 ^{mm²}

Pressure of 35 kN

360 degree rotatable head

Height 420-590 mm

Dies 6-240 mm² - 13 pieces included

Code 6-7-8-10-12-14-16-18-19-20-22-23-25

Matrices for a range of cordless, mechanical tools in the working range 6-240 ^{mm²} thrust 35 kN

Series 20

Series 20



	Featured	Cu standard	CU DIN	AL. DIN	AL. thin-walled
M20/6	6	6	10		
M20/7	7	10			
M20/8	8	16	16		
M20/9	9				16
M20/10	10	25	25		25
M20/12	12	35	35	16-25	35
M20/14	14	50	50	35	50
M20/16	16	70	70	50	70
M20/18	18	95	95	70	95
M20/19	19	120			
M20/20	20		120		120
M20/22	22	150	150	95-120	150
M20/23	23	185			185
M20/25	25	240	185	150	

MT20/25 tram terminals crimp dies 25 mm²

MT20/35 tram terminals crimp dies 35 mm²

MT20/50 tram terminals crimp dies 50 mm²



E21 MINI Electro-hydraulic crimping tools 18.0 V

complete
with
matrix



Series
21

Description :

Model E21 MINI

Matrix series 21 Clip-on head

Weight 2.9 kg

Piston stroke 14 mm

Operating range

Al. DIN 16-150 ^{mm²}

Al thin wall 25-185 ^{mm²}

Cu standard 16-240 ^{mm²}

Cu DIN 16-185 ^{mm²}

Pressing 2-5 seconds

Operating pressure 700 bar

Pressure 50 kN

360 degree rotatable head

Biodegradable oil

Operating range -20 to +40 degrees C

Height 432x124x75 mm

Power supply :

Makita Li-Ion 18.0 V, 2.0 Ah battery charger with active cooling system:

cools down the battery during charging thanks to the built-in fan

Battery type: Lithium Ion/LI-Ion

Battery capacities: 1.3-5.0 (2.0 Ah battery standard)

Charging time: approx. 22 min

Charger supply 230 V

LED indication of battery charge status LED panel with battery data and number of pressings Automatic pressure fuse

Manual / automatic piston return Stop scissor operation / piston return - immediate

Optional workplace illumination (Night mode) Two-stage pump (idle, high pressure) Composite handle

Handle for attaching to belt or suspension

The set includes :

E21 MINI cordless power press , Makita charger

Battery E18/2.0 - capacity 2.0Ah , Plastic carrying case

Operating instructions

16-240 mm² dies included

7 pieces - 11 dimensions - 4 double-sided , 3 single-sided

Code 8-10-12-14-16-18-19-20-22-23-25

Options :

Additional battery Power

adapter

Choice of additional matrixes

Milwaukee battery adapter

Description of photographs

1. Handy grip for holding the tool
2. Composite handle
3. Handle for attaching to belt or suspension
4. Display with battery status and number of pressings performed
5. Night mode - workplace illumination (optional)
6. Snap-on swivel head
7. Powerful 18V 2.0 Ah battery as standard
8. Reputable Makita charger included





H21 Hydraulic crimping tools

Series 21

complete with
matrices



Model H21

Die series 21 Clip-on head
Weight 2.4 kg
Piston stroke 15 mm
Operating range
Al. DIN 16-150 ^{mm²}
Al thin wall 25-185 ^{mm²}
Cu standard 16-240 ^{mm²}
Cu DIN 16-185 ^{mm²}
Pressure of 52 kN
360 degree rotatable head

Two-stage pump (idle, high pressure)

The set includes :

Hydraulic press H21
Plastic carrying case
Instruction manual

16-240 mm² dies included

7 pieces - 11 dimensions - 4 double-sided , 3 single-sided
Code 8-10-12-14-16-18-19-20-22-23-25

Matrices for a range of cordless , hydraulic tools series 21 in the working range 6-240 ^{mm²}
contact force 52 kN - some ranges double-sided matrix

Series 21

Series 21



	Featured	Cu standard	CU DIN	AL DIN	AL thin-walled
M21/8	8	16	16		
M21/10	10	25	25		25
M21/12	12	35	35	16-25	35
M21/14	14	50	50	35	50
M21/16	16	70	70	50	70
M21/18	18	95	95	70	95
M21/19	19	120			
M21/20	20		120		120
M21/22	22	150	150	95-120	150
M21/23	23	185			185
M21/25	25	240	185	150	

Die configuration

M21/8-10	double-sided matrix
M21/12-20	double-sided matrix
M21/14-19	double-sided matrix
M21/16-18	double-sided matrix
M21/22	single-sided die
M21/23	single-sided die
M21/25	single-sided die



E22 MINI Electro-hydraulic crimping tools 18.0 V

Series
22



Model E22 MINI

Dies series 22 Clip-on head
Weight 3.9 kg
Piston stroke 17 mm

Operating range

Al. 6-300 mm²
Cu 6-300 mm²

Pressing 2-5 seconds
Operating pressure 700 bar
Pressure 60 kN
360 degree rotatable head
Biodegradable oil

Operating range -20 to +40 degrees C

Height 428x134x75 mm

Power supply :

Makita Li-Ion 18.0 V, 2.0 Ah battery charger with active cooling system:
cools the battery during charging thanks to a built-in fan
Battery type: Lithium Ion/Li-Ion
Battery capacities: 1.3-5.0 (2.0 Ah battery standard)
Charging time: approx. 22 min
Charger supply 230 V

LED indication of battery charge status LED panel with battery data and number of pressings Automatic pressure fuse

Manual / automatic piston return Stop scissor operation / piston return - immediate
Optional workplace illumination (Night mode) Two-stage pump (idle, high pressure) Composite handle
Handle for attaching to belt or suspension

The set includes :

E22 MINI cordless power press
Makita charger
Makita E18/2.0 battery - capacity 2.0 Ah ,
Plastic carrying case
Operating instructions

Options :

Additional battery
Power adapter
Battery adapter Milwaukee

Dies (page 116)

Description of photographs

1. Handy handle to hold the tool
2. Composite handle
3. Handle for attaching to belt or suspension
4. Display with battery status and number of pressings performed
5. Night mode - workplace illumination (optional)
6. Snap-on swivel head
7. Powerful 18V 1.5 Ah battery as standard
8. Reputable Makita charger included





E22 NANO Electro-hydraulic crimping tools 18.0 V

Series
22



Model E22 NANO

Dies series 22 Clip-on head

Weight 2.55 kg

Piston stroke 17 mm

Working range

Al. 6-300 mm²

Cu 6-300 mm²

Pressing 2-8 seconds

Operating pressure 700 bar

Pressure 60 kN

360 degree rotatable head

Biodegradable oil

Operating range -20 to +40 degrees C

Height 355x95x85 mm

Power supply :

Makita Li-Ion 18.0 V, 2.0 Ah battery charger with

active cooling system:

cools down the battery during charging thanks to the built-in fan

Battery type: Lithium Ion/Li-Ion

Battery capacities: 1.3-5.0 (2.0 Ah battery standard)

Charging time: approx. 22 min

Charger supply 230 V

LED indication of battery charge status LED panel with battery data and number of pressings Automatic pressure fuse

Manual / automatic piston return Stop scissor

operation / piston return - immediate LED work area

illumination - 2 LEDs Single-stage pump (single-stage

clamping) Composite handle

Handle for attaching to belt or suspension

The set includes :

Cordless press E22 NANO

Charger Makita

Makita E18/2.0 battery - capacity 2.0 Ah ,

Plastic carrying case

Operating instructions

Set without masters - optional selection

Options :

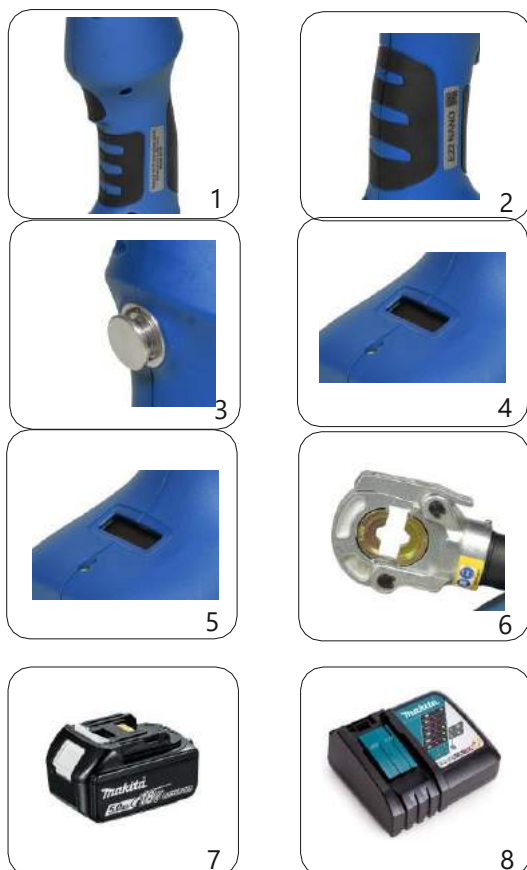
Additional battery

Power adapter

Battery adapter Milwaukee

Dies (page 116)

Description of photographs



1. Handy handle to hold the tool
2. Composite handle
3. Metal piston return button
4. Display with battery status and number of pressings performed
5. Night mode - workplace lighting standard
6. Snap-on swivel head
- 7-8 Charger and 18V 2.0 Ah battery as standard



E22 U Multitool crimping + cutting

Series
22



Model E22 U

Press 22 dies series
Crimping + cutting head
Weight 3.4 kg
Operating range
Crimping **Al/Cu6-240 mm²**
Cutting **Al/Cu cables 30 mm**
Pressing/cutting 2-5 seconds
Working pressure 700 bar
Pressure of 50 kN
360 degree rotatable head
Biodegradable oil

Operating range -20 to +40 degrees C

Height 363x119x75 mm

Power supply :

Makita Li-Ion 18.0V, 2.0Ah battery charger with active cooling system:
cools down the battery during charging thanks to the built-in fan
Battery type: Lithium Ion/LI-Ion
Battery capacities: 1.3-5.0 (2.0 Ah battery standard)
Charging time: approx. 22 min
Charger supply 230 V

LED indication of battery charge status LED panel with battery data and number of pressings Automatic pressure fuse

Manual / automatic piston return Stop scissor operation / piston return - immediate
Optional workplace illumination (Night mode) Two-stage pump (idle, high pressure) Composite handle
Handle for attaching to belt or suspension

The set includes :

Multifunction machine E22 U
Press-on adapter with dies series 22 Adaptor for Al/Cu cable cutting
Makita charger
Rechargeable battery E18/2.0 - capacity 2.0 Ah , Plastic carrying case
Operating instructions



view of the device
with press head

view of machine
with cutting head



adapter for pressing

Al/Cu cutting
adapter

Options :

Additional battery
Battery adapter Milwaukee Matrices
Dies series 22 (page 116)



E22 S Multitool crimping + cutting

NOWY
produkt



Series
22

Model E22 S

Crimping dies 22 series

Crimping +cutting head

Weight 3.9 kg

Operating range

Crimping Al/Cu 6-240 mm²

Cutting Al/Cu cables 30 mm

Crimping /cutting 2-5 seconds

Working pressure 700 bar

Pressure 60 kN

360 degree rotatable head

Biodegradable oil

Operating range -20 to +40 degrees C

Height 450x81x128 mm

Power supply :

Makita Li-Ion 18.0V, 5.0Ah battery charger with active cooling system:

cools down the battery during charging thanks to the built-in fan

Battery type: Lithium Ion/LI-Ion

Battery capacities: 1.3-5.0 (5.0 Ah battery standard)

Charging time: approx. 22 min

Charger supply 230 V

LED indication of battery charge status LED panel with battery data and number of pressings

Automatic pressure fuse

Manual / automatic piston return Stop cutting operation / piston return - immediate

Optional workplace illumination (Night mode)

Two-stage pump (idle, high pressure)

Composite handle

Handle for attaching to belt or suspension

The set includes :

Multifunction tools E22 S

Crimping adapter with dies series 22

Adapter for Al/Cu cable cutting

Makita charger

Rechargeable battery E18/5 - capacity 5.0 Ah ,

Plastic carrying case

Operating instructions



Press head
included

Al/Cu
cutting head
included



adapter for
crimping

Al/Cu
cutting
adapter

Options :

Dies series 22 (page 116)



E22 Electro-hydraulic crimping tools 18.0 V



Series
22

Model E22

Dies series 22
Clip-on head
Weight 4.0 kg
Piston stroke 17 mm

Operating range

Al. 6-300 mm²

CU 6-300 mm²

Pressing 2-5 seconds
Operating pressure 700 bar
Pressure 60 kN
360 degree rotatable head
Biodegradable oil

Operating range -20 to +40 degrees C

Height 280x70x290 mm

Power supply :

Makita Li-Ion 18.0 V, 5.0 Ah battery charger with active cooling system:
cools down the battery during charging thanks to the built-in fan
Battery type: Lithium Ion/LI-Ion
Battery capacities: 1.3-5.0 (5.0 Ah battery standard)
Charging time: approx. 22 min
Charger supply 230 V

LED indication of battery charge status LED panel with battery data and number of pressings Automatic pressure fuse

Manual / automatic piston return Stop scissor operation / piston return - immediate LED lighting of the work area (Night mode)
Two-stage pump (idle, high pressure) Composite handle
Handle for attaching to belt or suspension

The set includes :

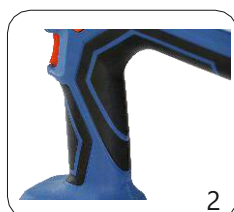
Makita cordless press E22 charger
Makita E18/5 rechargeable battery - capacity 5.0 Ah ,
Plastic carrying case
Operating instructions

Options :

Additional battery
Power adapter
Battery adapter Milwaukee Matrices
Dies series 22 (page 116)

Description of photographs

1. Bright - easily visible START - STOP button
2. Composite handle
3. Handle for attaching to belt or suspension
4. Display with battery status and number of pressings performed
5. Night mode - workplace illumination
6. Snap-on swivel head
7. Powerful 18V 5.0 Ah battery as standard
8. Reputable Makita charger included





E22 UNI Multifunction tool crimping and cutting Al/Cu/ACSR

Series
22



Model E22 UNI

Multifunctional tool
Crimping dies 22 series
Crimping and cutting head
Weight 4.5 kg
Operating range
Crimping range 6-240 mm²
Cutting range Al/Cu/ACSR 40 mm
Operating pressure 700 bar
Pressure 60 kN
Crimping/cutting 2-5 seconds
Rotating head 360 degrees
Biodegradable oil

Operating range -20 to +40 degrees C

Height 590x90x510 mm

Power supply :

Makita Li-Ion 18.0 V, 5.0 Ah battery charger with active cooling system:
cools down the battery during charging thanks to the built-in fan

Battery type: Lithium Ion/LI-Ion

Battery capacities: 1.3-5.0 (5.0 Ah battery standard)

Charging time: approx. 22 min

Charger supply 230 V

LED indication of battery charge status LED panel with battery data and number of pressings Automatic pressure fuse

Manual / automatic piston return Stop scissor operation / piston return - immediate LED lighting of the work area (Night mode)

Two-stage pump (idle, high pressure) Composite handle
Handle for attaching to belt or suspension

The set includes :

Multifunction tools E22 UNI

adapter crimping dies

adapter ACSR conductors cutting

adapter Al/Cu cable cutting

Makita charger

Makita E18/5 rechargeable battery - capacity 5.0 Ah ,

Plastic carrying case

Operating instructions



Adapter do zaprasowania 6-300 mm²



Adapter do zaprasowania z matrycą do Cu



Adapter do cięcia kablu Al/Cu



Otwarta głowica
z adapterem do cięcia
przewodów ACSR (AFL)



Options :

Additional battery

Adapter for punching holes max Ø 64 mm (UNI 64)

Mains adapter

Battery adapter Milwaukee

Dies series 22 (page 116)



E22 UNI MINI Multifunction tool crimping and cutting Al/Cu/ACSR

Series
22



Model E22 UNI

Multifunctional tool
Crimping dies 22 series
Crimping and cutting head
Weight 3.5 kg
Operating range
Crimping range 6-240 mm²
Cutting range Al/Cu/ACSR 25 mm
Operating pressure 700 bar
Pressure 60 kN
Crimping/cutting 2-5 seconds
Rotating head 360 degrees
Biodegradable oil

Pressing/cutting 2-5 seconds

Working pressure 700 bar
Pressure 60 kN
360 degree rotatable head
Biodegradable oil
Operating range -20 to +40 degrees C

Height 590x140x510 mm

Power supply :

Makita Li-Ion 18.0V, 2.0Ah battery charger with active cooling system:
cools the battery during charging thanks to a built-in fan
Battery type: Lithium Ion/Li-Ion
Battery capacities: 1.3-5.0 (2.0 Ah battery standard)
Charging time: approx. 22 min
Charger supply 230 V

LED indication of battery charge status LED panel with battery data and number of pressings

Automatic pressure fuse
Manual / automatic piston return Stop cutter operation / piston return - immediate
Optional workplace illumination (Night mode) Two-stage pump (idle, high pressure) Composite handle
Handle for attaching to belt or suspension

The set includes :

Multifunctional unit E22 UNI MINI
adapter crimping dies
adapter ACSR conductors cutting
adapter Al/Cu cable cutting
Makita charger
Makita E18/5 rechargeable battery - capacity 2.0 Ah ,
Plastic carrying case
Operating instructions

Options :

Additional battery
Power adapter
Battery adapter Milwaukee

Dies serie 22 (page 116)





E22 UNI NANO Multifunction tool crimping and cutting Al/Cu/ACSR

**NOWY
produkt**



**Series
22**

Model E22 UNI NANO

Multifunctional tool
Crimping dies 22 series
Crimping and cutting head
Weight 2,94 kg
Operating range
Crimping range 6-240 mm²
Cutting range Al/Cu/ACSR 25 mm
Operating pressure 700 bar
Pressure 60 kN
Crimping/cutting 2-5 seconds
Rotating head 360 degrees
Biodegradable oil

Operating range -20 to +40 degrees C

Height 415x95x85 mm

Power supply :

Makita Li-Ion 18.0V, 2.0Ah battery charger with active cooling system:
cools down the battery during charging thanks to the built-in fan
Battery type: Lithium Ion/Li-Ion
Battery capacities: 1.3-5.0 (2.0 Ah battery standard)
Charging time: approx. 22 min
Charger supply 230 V

LED indication of battery charge status LED panel with battery data and number of pressings Automatic pressure fuse

Manual / automatic piston return Stop scissor operation / piston return - immediate LED work area illumination - 2 LEDs Single-stage pump (single-stage clamping) Composite handle
Handle for attaching to belt or suspension

The set includes :

Multifunctional unit E22 UNI MINI
adapter crimping dies
adapter ACSR conductors cutting
adapter Al/Cu cable cutting
Makita charger
Makita E18/5 rechargeable battery - capacity 2.0 Ah ,
Plastic carrying case
Operating instructions

Options :

Additional battery
Power adapter
Battery adapter Milwaukee

Dies series 22 (page 116)



pressing

adapter

AF
adapter (ACSR)



open
head



P22 Mechanical crimping tools



Model P22

Dies series 22
Clip-on head
Weight 3.9 kg
Operating range
Al. 10-300 ^{mm2}
Cu 6-300 ^{mm2}
Gearbox for increasing the pressing force
Pressure 60 kN

Series
22

Height 560-860 mm (extendable handles) 360 degree rotatable head

Set contains: Press, carrying case, instruction manual

Optionally selectable matrices(page 116)



Matrices for Cu
Al matrices Notching matrices
Sector conductor transformation masters
Insulated connector masters

P300 Mechanical crimping tools



Model P300

Dies series 22
Snap-on head
Weight 3.9 kg
Operating range
Al. 10-300 ^{mm2}
Cu 6-300 ^{mm2}
Gearbox for increasing the pressing force
Pressure 60 kN

Series
22

Height 560-860 mm (extendable handles) 360 degree rotatable head

Set contains: Press, carrying case, instruction manual

Optionally selectable masters (page 116)



Dies for Cu Dies for Al
Dies for crimping
Sector conductor transformation masters
Insulated connector masters

Box M



Plastic box
Dedicated for 22 and 23 series dies
Dedicated for **22 dies** Weight 0.5 kg

M20 box for 22 masters - series 22 / 23



G22 Hydraulic crimping head



Model G22

Hydraulic crimping head

Die series 22

Snap-on head

Weight 2.7 kg

Working range Al. 10-300 mm² Cu 6-300 mm²

Operating pressure 700 bar

Pressure 63 kN

Required oil capacity 15 cc

Biodegradable oil

Operating range -20 to +40 degrees C

Height 209 mm

Works with all Electra 700 bar pumps (page 173-176)

Option - 22 series matrices (page 116)

Series
22

H22 Hydraulic crimping tools



Model H22

Hydraulic crimping tools

Dies series 22

Snap-on head

Weight 4.0 kg

Working range Al. 10-300 mm² Cu 6-300 mm²

Operating pressure 700 bar

Pressure 61 kN

Manual/automatic piston return

Two-stage pump (idle, high pressure)

Set contains: Press, carrying case, instruction manual

Option - 22 series masters(page 116)

Series
22



Dies for a range of hydraulic , battery , mechanical tools in the working range 6-300 mm²
 Pressure 60 kN
 Dedicated to hydraulic pressures of 700 ba

22

Series 22

Dies for Cu standard



MR 22/6	6 mm ²
MR 22/10	10 mm ²
MR 22/16	16 mm ²
MR 22/25	25 mm ²
MR 22/35	35 mm ²
MR 22/50	50 mm ²
MR 22/70	70 mm ²
MR 22/95	95 mm ²
MR 22/120	120 mm ²
MR 22/150	150 mm ²
MR 22/185	185 mm ²
MR 22/240	240 mm ²
MR 22/300	300 mm ²

Dies AL DIN standard



MA 22/10	10 mm ²
MA 22/16-25	16-25 mm ²
MA 22/35	35 mm ²
MA 22/50	50 mm ²
MA 22/70	70 mm ²
MA 22/95-120	95-120 mm ²
MA 22/150	150 mm ²
MA 22/185	185 mm ²
MA 22/240	240 mm ²
MA 22/300	300 mm ²

Dies for Cu DIN standard



MD 22/6	6 mm ²
MD 22/10	10 mm ²
MD 22/16	16 mm ²
MD 22/25	25 mm ²
MD 22/35	35 mm ²
MD 22/50	50 mm ²
MD 22/70	70 mm ²
MD 22/95	95 mm ²
MD 22/120	120 mm ²
MD 22/150	150 mm ²
MD 22/185	185 mm ²
MD 22/240	240 mm ²

Dies for thin-walled aluminium terminals and connectors



MC 22/16	16 mm ²
MC 22/25	25 mm ²
MC 22/35	35 mm ²
MC 22/50	50 mm ²
MC 22/70	70 mm ²
MC 22/95	95 mm ²
MC 22/120	120 mm ²
MC 22/150	150 mm ²
MC 22/185	185 mm ²
MC 22/240	240 mm ²

Dies for the transformation of the sector



MRu 22/10	10 mm ²
MRu 22/16	16 mm ²
MRu 22/35-25	35-25 mm ²
MRu 22/50-35	50-35 mm ²
MRu 22/70-50	70-50 mm ²
MRu 22/95-70	95-70 mm ²
MRu 22/120-95	120-95 mm ²
MRu 22/150-120	150-120 mm ²
MRu 22/185-150	185-150 mm ²
MRu 22/240-185	240-185 mm ²
MRu 22/300-240	300-240 mm ²

Notching Dies for AL connectors.



MK 22/16	16 mm ²
MK 22/25	25 mm ²
MK 22/35	35 mm ²
MK 22/50	50 mm ²
MK 22/70	70 mm ²
MK 22/95	95 mm ²
MK 22/120	120 mm ²



Master box
Model M20
 Dedicated for 22 dies
 Sold as an option



G23 Hydraulic crimping head



Model G23

Hydraulic die head

23 Series "C" die

head Weight 4.3 kg

Working range

Al. 10-400 mm²

Cu 6-400 mm²

Head clearance 42 mm

Operating pressure 700 bar

Pressure 130 kN

Required oil capacity 47 cc

Biodegradable oil

Operating range -20 to +40 degrees C

Height 260 mm

Works with all Electra 700 bar pumps (page 173-176)

Option - 23 series matrices (page 119)

Series
23

H23 Hydraulic crimping tools



Model H23

Hydraulic press die series 23

Type "C" head

Weight 6.1 kg

Working range

Al. 10-400 mm²

Cu 6-400 mm²

Head clearance 26 mm

Operating pressure 700 bar

Pressure 130 kN

Manual/automatic piston return

Two-stage pump (idle, high pressure)

Includes: press, carrying case, instruction manual

Set contains: Press, carrying case, instruction manual

Option - 23 series matrices page 119

Series
23



E23 Electro-hydraulic crimping tools 18.0 V

Series
23



Model E23

Die series 23
Type C head
Weight 6.8 kg
Piston stroke 42 mm

Working range

Al. 10-400 mm² , Cu 10-400 mm²

Head clearance 42 mm
Pressing 2-5 seconds
Operating pressure 700 bar
Pressure 130 kN
360 degree rotatable head
Biodegradable oil

Operating range -20 to +40 degrees C

Height 440x70x280 mm

Power supply :

Makita Li-Ion 18.0 V, 5.0 Ah battery charger with active cooling system:
cools the battery during charging thanks to the built-in fan
Battery type: Lithium Ion/LI-Ion
Battery capacities: 1.3-5.0 (5.0 Ah battery standard)
Charging time: approx. 22 min
Charger supply 230 V

LED indication of battery charge status LED panel with battery data and number of pressings

Automatic pressure fuse
Manual / automatic piston return Stop scissor operation / piston return - immediate LED lighting of the work area (Night mode)
Two-stage pump (idle, high pressure) Composite handle
Handle for attaching to belt or suspension

The set includes :

Battery tools E23 , Makita charger , Rechargeable battery E18/5 - capacity 5.0 Ah , Plastic carrying case
Operating instructions

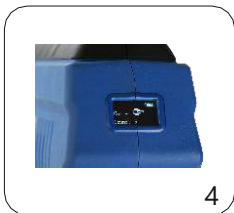
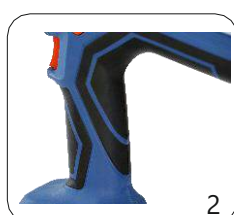
Options :

Additional battery
Battery adapter Milwaukee

Dies series 23 (page 119)

Description of photographs

1. Bright - easily visible START - STOP button
2. Composite handle
3. Handle for attaching to belt or suspension
4. Display with battery status and number of pressings performed
5. Night mode - workplace illumination
6. Type C swivel head
7. Powerful 18V 5.0 Ah battery as standard
8. Reputable Makita charger included





Dies for a range of hydraulic , rechargeable tools in the 6-400 mm² working range
Pressure 130 kN
Dedicated to hydraulic pressures of 700 bar

Series 23

Dies for Cu standard



MR 23/10	10 mm ²
MR 23/16	16 mm ²
MR 23/25	25 mm ²
MR 23/35	35 mm ²
MR 23/50	50 mm ²
MR 23/70	70 mm ²
MR 23/95	95 mm ²
MR 23/120	120 mm ²
MR 23/150	150 mm ²
MR 23/185	185 mm ²
MR 23/240	240 mm ²
MR 23/300	300 mm ²
MR 23/400	400 mm ²

Dies AL DIN standard



HAS 23/10	10 mm ²
H A S	16-25 mm ²
23/16-25 HAS	35 mm ²
23/35 H A S	50 mm ²
23/50 HAS	70 mm ²
23/70 HAS	95-120 mm ²
23/95-120	150 mm ²
HAS 23/150	185 mm ²
HAS 23/185	240 mm ²
HAS 23/240	300 mm ²
HAS 23/300	400 mm ²
HAS 23/400	

Dies for Cu standard



MD 23/10	10 mm ²
MD 23/16	16 mm ²
MD 23/25	25 mm ²
MD 23/35	35 mm ²
MD 23/50	50 mm ²
MD 23/70	70 mm ²
MD 23/95	95 mm ²
MD 23/120	120 mm ²
MD 23/150	150 mm ²
MD 23/185	185 mm ²
MD 23/240	240 mm ²
MD 23/300	300 mm ²

Dies ACSR - aluminium and steel tube



MB 23/9	AFL 6-16
MB 23/12	AFL 6-25
MB 23/13.5	AFL 6-35
MB 23/15	AFL 6-50
MB 23/22B	AFL 6-70 ; 6-95
MB23/26B	AFL 6-120 , 1,7-50
MB23/5	AFL 6-16 ; 6-25
MB23/5,5	AFL 6-35
MB23/7	AFL 6-50
MB23/8,5	AFL 6-70
MB23/10	AFL 6-95 ; 6-120 ; 1,7-35 AFL
MB23/11,5	1,7-50 , 6-120

Dies for insulated connectors



ME 23/140	16 mm ²
ME 23/173	25-70 mm ²
ME 23/215	95-120 mm ²

Dies for the transformation of the sector



MRu 23/10	10 mm ²
MRu 23/16	16 mm ²
MRu 23/35-25	35-25 mm ²
MRu 23/50-35	50-35 mm ²
MRu 23/70-35	70-50 mm ²
MRu 23/95-50	95-70 mm ²
MRu 23/120-70	120-95 mm ²
MRu 23/150-120	150-120 mm ²
MRu 23/185-150	185-150 mm ²
MRu 23/240-185	240-185 mm ²
MRu 23/300-240	300-240 mm ²

Dies 23 adapter for G25 head

Adapter for G25 head for adaptation of 23 series dies max 400 mm²



Master box
Model M20
Dedicated for 22 dies Sold as an option





E24 Electro-hydraulic crimping tools 18.0 V



Series
24

Model E24

Die series 24
Type C head
Weight 9,5 kg
Piston stroke 50 mm
Working range
Al.DIN 10-500 mm² , Cu DIN 10-625 mm²

Pressing 2-5 seconds
Operating pressure 700 bar
Pressure 130 kN
360 degree rotatable head
Biodegradable oil
360 degree swivel head

Height 510x80x290 mm

Power supply :

Makita Li-Ion 18.0 V, 5.0 Ah battery charger with active cooling system: Battery type: Lithium Ion/LI-Ion
Battery capacities: 1.3-5.0 (5.0 Ah battery standard)
Charging time: approx. 22 min
Charger supply 230 V
LED indication of battery charge status LED panel with battery data and number of pressings Automatic pressure fuse
Manual / automatic piston return Stop scissor operation / piston return - immediate LED lighting of the work area (Night mode)
Two-stage pump (idle, high pressure) Composite handle
Handle for attaching to belt or suspension

The set includes :

Battery tools E24 , charger Makita
Rechargeable battery E18/5 - capacity 5.0 Ah ,
Plastic carrying case
Operating instructions

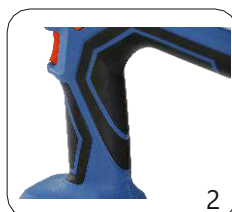
Possible sets :

E24/SET01 - press with cable dies 120-625 mm²

E24/SET02 - press with dies ACSR 6-16 to 6-240

Options :

Additional battery adapter for
23 series dies
Adapter for Milwaukee battery
Dies series 24 - page 121



Description of photographs

1. Bright - easily visible START - STOP button
2. Composite handle
3. Handle for attaching to belt or suspension
4. Display with battery status and number of pressings performed
5. M24 matrix for range 120-625 mm² (option)
6. Adapter for use of 23 series dies in the working range 10-400 mm²
7. Powerful 18V 5.0 Ah battery as standard
8. Reputable Makita charger included





G24 Hydraulic crimping head



Model G24

Hydraulic die 24 Series

Head series "C"

Weight 5.6 kg

Working range

Al.DIN 10-500 mm² , Cu DIN 10-625 mm²

Operating pressure 700 bar

Pressure 150 kN

Required oil capacity 68 cc

Biodegradable oil

Operating range -20 to +40 degrees C

Height 320 mm

Works with all Electra 700 bar pumps (page 173-176)

Options :

Option - M24 series dies as follows

G24/1 Adapter for 23 series dies (max 400 mm²)

Series
24

Dies for G24 hydraulic head and E24 cordless press in the working range 120-625 mm²

Dedicated to hydraulic pressures of 700 bar

Series 24

hydraulic head G24
battery tools E24



Adapter for use of 23
series dies for 150 kN head
model G24/1

DIN cable

		CU DIN	AL DIN
M24/20	Dies DIN standard	120 mm ²	
M24/22	Dies DIN standard	150 mm ²	95-120 mm ²
M24/25	Dies DIN standard	185 mm ²	150 mm ²
M24/28	Dies DIN standard	240 mm ²	185 mm ²
M24/32	Dies DIN standard	300 mm ²	240 mm ²
M24/34	Dies DIN standard		300 mm ²
M24/38	Dies DIN standard	400 mm ²	400 mm ²
M24/42	Dies DIN standard	500 mm ²	
M24/44	Dies DIN standard	625 mm ²	500 mm ²

Al sheath press.

M24/9B	9 mm	AFL 6-16
M24/12B	12 mm	AFL 6-25
M24/13.5B	13 mm	AFL 6-35
M24/15B	15 mm	AFL 6-50
M24/22B	22 mm	AFL 6-70 ; 6-95
M24/26B	26 mm	AFL 6-120 ; 6-150
M24/33B	33 mm	AFL 6-185 ; 6-240

Core pressing St

M24/5	5 mm	AFL 6-16 ; 6-25
M24/5,5	5.5 mm	AFL 6-35
M24/7	7 mm	AFL 6-50
M24/8,5	8.5 mm	AFL 6-70
M24/10	10 mm	AFL 6-95 ; 6-120
M24/11,5	11.5 mm	6-120
M24/14,5	14.5 mm	AFL 6-150 ; 6-185
M24/19	19 mm	AFL 6-240 ; 1.7-95

matrix for Cu DIN lugs and connectors

MD 23/10	10 mm ²
MD 23/16	16 mm ²
MD 23/25	25 mm ²
MD 23/35	35 mm ²
MD 23/50	50 mm ²
MD 23/70	70 mm ²
MD 23/95	95 mm ²

Die for Al. DIN terminals and connectors

MA 23/10	10 mm ²
MA 23/16-25	16-25 mm ²
MA 23/35	35 mm ²
MA 23/50	50 mm ²
MA 23/70	70 mm ²
MA 23/95-120	95-120 mm ²

Possibility to use the entire range of Series
23 dies (130 kN) with adapter



G25 Hydraulic crimping head



Model G25

Hydraulic Crimping Head

Dies series 25 series

Head "U"

Weight 5.6 kg

Working range

Al.DIN 10-500 mm² , Cu DIN 10-625 mm²

Operating pressure 700 bar

Pressure 250 kN

Required oil capacity 88 cc

Biodegradable oil

Operating range -20 to +40 degrees C

Height 320 mm

Options :

Option - 25 series matrices (page 123)

G25/1 Adapter for 23 series dies (max 400 mm²)

Recommended pumps (pages 173-174-175)



foot pump HP3



HP6 rechargeable pump



HP8 rechargeable pump

Series
25

G26 Hydraulic crimping head



Model G26

Hydraulic Crimping Head

Dies series 25 series

Head "U"

Weight 10,6 kg

Working range

Al.DIN 10-800 mm² , Cu DIN 10-1000 mm²

Operating pressure 700 bar

Pressure 450 kN

Required oil capacity 226 cc

Biodegradable oil

Operating range -20 to +40 degrees C

Height 285 mm

Options :

Option - 26 series matrices (page 124)

G26/1 Adapter for 23 series dies (max Cu 400 mm²)

Recommended pumps (pages 173-174-175)



foot pump HP3



HP6 rechargeable pump



HP8 rechargeable pump

Series
26



Series 25

Matrices for the G25 hydraulic head
 in the cable operating range DIN 6-625 ^{mm²} in the overhead line operating range AFL 6-240
 250 kN clamping force
 Dedicated to hydraulic pressures of 700 bar

Series 25 cable dies	Symbol	Application	Cu DIN 46235 Al. DIN 48201	
	M25/8	Dies	16 ^{mm²}	
	M25/10		25 ^{mm²}	10 ^{mm²}
	M25/12		35 ^{mm²}	16-25 ^{mm²}
	M25/14		50 ^{mm²}	35 ^{mm²}
	M25/16		70 ^{mm²}	50 ^{mm²}
	M25/18		95 ^{mm²}	70 ^{mm²}
	M25/20		120 ^{mm²}	
	M25/22		150 ^{mm²}	95-120 ^{mm²}
	M25/25		185 ^{mm²}	150 ^{mm²}
	M25/28		240 ^{mm²}	185 ^{mm²}
	M25/32		300 ^{mm²}	240 ^{mm²}
	M25/34			300 ^{mm²}
	M25/38		400 ^{mm²}	400 ^{mm²}
	M25/42		500 ^{mm²}	
	M25/44		625 ^{mm²}	500 ^{mm²}

Series 25 dies in lines overhead

ACSR crimping dies

	M25/9B	9 mm	AFL 6-16
	M25/12B	12 mm	AFL 6-25
	M25/13.5B	13 mm	AFL 6-35
	M25/15B	15 mm	AFL 6-50
	M25/22B	22 mm	AFL 6-70 ; 6-95 ; 1,2-35 ; 1,7-30 ; 1,7 50 ; 1,5-50
	M25/26B	26 mm	AFL 6-120 ; 6-150 ; 1,7-50
	M25/33B	33 mm	AFL 6-185 ; 6-210 ; 6-240
	M25/34B	34 mm	AFL 1.7-95

Core pressing St

	M25/5	5 mm	AFL 6-16 ; 6-25
	M25/5,5	5.5 mm	AFL 6-35
	M25/7	7 mm	AFL 6-50
	M25/8,5	8.5 mm	AFL 6-70
	M25/10	10 mm	AFL 6-95 ; 6-120 ; 1,7-35
	M25/11,5	11.5 mm	AFL 1,7-50 ; 6-120
	M25/14,5	14.5 mm	AFL 6-150 ; 6-185 ; 6-210 ; 1,2-35 ; 1,7-70 ; 1,5-50
	M25/19	19 mm	AFL 6-240 ; 1.7-95



Series 26

Matrices for the G26 hydraulic head in the DIN cable operating
 Range 16-1000 ^{mm²} in the AFL 8-525 overhead line operating range 450 kN clamping force
 Dedicated to hydraulic pressures of 700 bar

Series 26 cable dies	Symbol	Cu DIN 46235 Al. DIN 48201	
	M26/8	16 ^{mm²}	
	M26/10	25 ^{mm²}	10 ^{mm²}
	M26/12	35 ^{mm²}	16-25 ^{mm²}
	M26/14	50 ^{mm²}	35 ^{mm²}
	M26/16	70 ^{mm²}	50 ^{mm²}
	M26/18	95 ^{mm²}	70 ^{mm²}
	M26/20	120 ^{mm²}	
	M26/22	150 ^{mm²}	95-120 ^{mm²}
	M26/25	185 ^{mm²}	150 ^{mm²}
	M26/28	240 ^{mm²}	185 ^{mm²}

Series 26 dies in lines overhead	ACSR crimping dies		
	M26/9B	9 mm	AFL 6-16
	M26/12B	12 mm	AFL 6-25
	M26/13.5B	13 mm	AFL 6-35
	M26/15B	15 mm	AFL 6-50
	M26/22B	22 mm	AFL 6-70 ; 6-95 ; 1,2-35 ; 1,7-30 ; 1,7-50 ; 1,5-50
	M26/26B	26 mm	AFL 6-120 ; 6-150 ; 1,7-70
	M26/33B	33 mm	AFL 6-185 ; 6-210 ; 6-240
	M26/34B	34 mm	AFL 1,7-95
	M26/42B	42 mm	AFL 6-300 ; 8-350 ; 8-400
	M26/48B	48 mm	AFL 8-525
	M26/52.5B	52.5 mm	AL. 887
	M26/5	5 mm	AFL 6-16 ; 6-25
	M26/5,5	5.5 mm	AFL 6-35
	M26/7	7 mm	AFL 6-50
	M26/8,5	8.5 mm	AFL 6-70
	M26/10	10 mm	AFL 6-95 ; 6-120 ; 1,7-35
	M26/11,5	11.5 mm	AFL 1,7-50 , 6-120
	M26/14,5	14.5 mm	AFL 6-150 ; 6-185 ; 6-210 ; 1,2-35 ; 1,7-70 ; 1,5-50
	M26/19	19 mm	AFL 6-240 ; 6-300 ; 8-350 ; 1,7-95
	M26/22	22 mm	AFL 8-400 ; 8-525



G27 Hydraulic crimping head



Model G27

Hydraulic head
Series dies 27
Head "U"
Weight 31.4 kg
Working range
Al max hex 71 mm Cu max hex 64 mm St max hex 34 mm

1000 kN

Operating pressure 700 bar double hydraulic circuit
Pressure 1000 kN (100 tonnes)
Required oil capacity 315 cc
Biodegradable oil
Operating range -20 to +40 degrees C Height 364 mm

Option - 27 series matrices

HP14 , HP15 double-circuit pumps recommended (page 176-177)



Diesel pump HP15 Electric pump HP14

Matrices for the G27 hydraulic head
for work on overhead lines up to AFL 8-525 a clamping force
of 1000 kN dedicated for double circuit hydraulic pumps -
hydraulic pressures of 700 bar

27 series dies in lines
overhead

ACSR Crimping dies



M27/9B	9 mm	AFL 6-16
M27/12B	12 mm	AFL 6-25
M27/13.5B	13 mm	AFL 6-35
M27/15B	15 mm	AFL 6-50
M27/22B	22 mm	AFL 6-70 ; 6-95 ; 1,2-35 ; 1,7-30 ; 1,7-50 ; 1,5-50
M27/26B	26 mm	AFL 6-120 ; 6-150 ; 1,7-50
M27/33B	33 mm	AFL 6-185 ; 6-210 ; 6-240
M27/34B	34 mm	AFL 1,7-95
M27/42B	42 mm	AFL 6-300 ; AFL 8-350 ; AFL 8-400
M27/48B	48 mm	AFL 8-525
M27/52.5B	52.5 mm	AL 887

Core pressing St

M27/5	5 mm	AFL 6-16 ; 6-25
M27/5,5	5.5 mm	AFL 6-35
M27/7	7 mm	AFL 6-50
M27/8,5	8.5 mm	AFL 6-70
M27/10	10 mm	AFL 6-95 ; 6-120 ; 1,7-35
M27/11,5	11.5 mm	AFL 1,7-50 ; 6-120
M27/14,5	14.5 mm	AFL 6-150 ; 6-185 ; 6-210 ; 1,2-35 ; 1,7-70 ; 1,5-50
M27/19	19 mm	AFL 6-240 ; 1,7-95 ; 6-300 ; 8-350
M27/22	22 mm	AFL 8-400 ; 8-525



8120 Hydraulic crimping head



Model G27

Hydraulic head
Series dies 8120
Head "U"
Weight 52,0 kg
Working range
Al max hex 75 mm Cu max hex 72 mm St max hex 40 mm

Operating pressure 700 bar double hydraulic circuit
Pressure 1200 kN (120 tonnes)
Biodegradable oil
Operating range -20 to +40 degrees C

Options :

120 series matrices as follows
Operation only with CM8000 AND CM800 EF double-circuit oil pump



Matrices for hydraulic head P8120 for work on overhead lines up to AFL 8-525, contact force 1200 kN dedicated for double-circuit hydraulic pumps



Petrol pump



CM8000 Electric pump CM8000EF

Series 8120 dies in lines overhead

ACSR crimping dies



M8120/9B	9 mm	AFL 6-16
M8120/12B	12 mm	AFL 6-25
M8120/13.5B	13 mm	AFL 6-35
M8120/15B	15 mm	AFL 6-50
M8120/22B	22 mm	AFL 6-70 ; 6-95 ; 1,2-35 ; 1,7-30 ; 1,7-50 ; 1,5-50
M8120/26B	26 mm	AFL 6-120 ; 6-150 ; 1,7-70
M8120/33B	33 mm	AFL 6-185 ; 6-210 ; 6-240
M8120/34B	34 mm	AFL 1,7-95
M8120/42B	42 mm	AFL 6-300 ; 8-350 ; 8-400
M8120/48B	48 mm	AFL 8-525
M8120/52.5B	52.5 mm	AL 887
M8120/5	5 mm	AFL 6-16 ; 6-25
M8120/5,5	5.5 mm	AFL 6-35
M8120/7	7 mm	AFL 6-50
M8120/8,5	8.5 mm	AFL 6-70
M8120/10	10 mm	AFL 6-95 ; 6-120 ; 1,7-35
M8120/11,5	11.5 mm	AFL 1,7-50 ; 6-120
M8120/14,5	14.5 mm	AFL 6-150 ; 6-185 ; 6-210 ; 1,2-35 ; 1,7-70 ; 1,5-50
M8120/19	19 mm	AFL 6-240 ; 6-300 ; 8-350 ; 1,7-95
M8120/22	22 mm	AFL 8-400 ; 8-525



Electra
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25
LAT

Cable and wire cutters

Mechanical cable cutters

Hydraulic cable cutters and

Heads cable cutters

Cable cutters for the safe cutting - 60 kV

electrasklep.pl
electrapolska.com





Cable Cutter



Hand shears for cutting Cu-wires and cables hanger wire and aluminium cables . Crane cutting allows easy cutting Single-handed shears
Single cutting blade
Not suitable for cutting steel wire

weight	length	Ø	mm ²
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C03/1 rubber handle
C03/2 composite handle

215 g	165 mm	15	50
250 g	165 mm	15	50



Hand shears for cutting Cu-wires and cables hanger wire and aluminium cables . Crane cutting allows easy cutting Single-handed shears
Double cutting blade
Not suitable for cutting steel wire

weight	length	Ø	mm ²
--------	--------	---	-----------------

C05/1 rubber handle
C05/2 composite handle

283 g	200 mm	20	70
324 g	200 mm	20	70



Hand shears for cutting Cu-wires and cables hanger wire and aluminium cables . Crane cutting allows easy cutting Single-handed shears with 1000 VDE handles Double cutting blade
Not suitable for cutting steel wire

weight	length	Ø	mm ²
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C03 VDE VDE 1000V handle
C05 VDE VDE 1000V handle

262 g	165 mm	15	50
340 g	200 mm	20	70



Hand shears for cutting copper cables and wires , hanger wire and aluminium cables . Crane cutting allows easy cutting Two-handed shears
Double cutting blade
Not suitable for cutting steel wire

weig	length	Ø	mm ²
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C10

450 g	280 mm	14	50
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Cable Cutter



Al/Cu



Hand shears for cutting copper and aluminium cables and wires . The crane cutter allows for easy cutting of thick cables .

Two-handed shears

Made of chrome vanadium steel

with improved quality, blackened and protected against rusting

Hardened handles with comfort grip handles Precision hardened blades shaped to prevent cables and wires from slipping out during operation

	weight	length	Ø	mm ²
C20	700 g	300 mm	20	3x25
C24	1200 g	600 mm	35	3x120
C27	2400 g	770 mm	50	3x240

Cable Cutter



Al/Cu



Hand shears for cutting copper and aluminium cables and wires

Crane cutting allows thick cables to be cut easily .

Two-handed shears

Made of high quality chrome vanadium steel, galvanised and protected against corrosion Hardened handles with comfort handles Extendable from 350 mm - 520 mm to assist cutting of thicker cables, additionally the cutting process is assisted by the applied lever Precision, hardened blades shaped in a way that prevents the cable and wire from slipping out

	weig	length	Ø	mm ²
C30	1330	g350-520	26	3x50



Al/Cu



Hand shears for cutting Cu / Al cables and wires. The crane shear allows easy cutting of thick cables . Two-hand shears

Made of high quality chrome vanadium steel , galvanised protected against rusting . Hardened handles with comfort handles

Precision, hardened blades shaped to prevent cables and wires from slipping out during operation

	weig	length	Ø	mm ²
C31 fixed handles	2150 g	570 mm	26	3x50



Cable Cutter with ratchet system



Al/Cu



Hand shears for cutting Al and Cu cables and wires
Cutting with ratchet system .
Step by step allows for easy cutting of thick cables .
One-hand shears
Made of high quality chrome vanadium steel ,
blackened with rust protection .
Hardened handles finished with comfortable
extended handles for better grip in the hand .
Precision hardened blades
Possibility to open the blade at any stage of cutting.
Blades lockable on cable or wire

	weight	length	Ø	mm ²
C37	800 gr	297 mm	62	400
C34	600 gr	261 mm	34	300

Cable Cutter with ratchet system



Al/Cu



Hand shears for cutting Al and Cu cables and wires
Cutting with ratchet system .
Step by step allows for easy cutting of thick cables .
One-hand shears
Made from high quality chrome vanadium steel ,
blackened with rust protection .
Hardened handles finished with comfortable
extended handles for a better grip in the hand .
Precision hardened blades Cable approach from
the front

	weig	length	Ø	mm ²
C35	820 gr	298 mm	34	300

Cable Cutter with ratchet system for ACSR conductors



AFL



Hand shears for cutting copper and aluminium cables
and wires as well as AFL prewires (ACSR)
Max cutting range 26 mm
Cutting with ratchet system .
The step-by-step process makes it easy to cut through
thick
cables and wires
Single-handed
shears
Made from high quality chrome vanadium steel ,
blackened to protect against rusting . Hardened
handles finished with comfortable extended handles for
better grip.
in the hand . Precision, hardened blades

	weig	length	Ø AFL(ACSR)	
C71	600 gr	261 mm	26	6-240



Cable Cutter with ratchet system



Al/Cu



Hand shears for cutting copper and aluminium cables and wires .

Cutting with ratchet system .

Step by step for easy cutting of cables . One-hand shears

Made from high quality chrome vanadium steel , blackened to protect against rusting .

Hardened handles finished with comfortable extending handles from 240-290 mm Precision hardened blades

Possibility to open the blade at any stage of cutting.

Blades lockable on cable or wire

weight	length	Ø	mm ²
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C39

980 gr

240-290mm

40

240

Cable Cutter with ratchet system



Al/Cu



Hand shears for cutting Al/Cu cables and wires Cutting with ratchet system .

Step by step allows for easy cutting of thick cables . Two-hand shears Made of chrome vanadium steel

of improved quality , blackened and protected against rusting . Hardened handles finished with comfortable extended grips for better grip in the hand.

Possibility to open the blade at any stage of cutting.

Precision hardened blades .

Blades lockable on cable or wire

weig	length	Ø	mm ²
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C41

1700 gr

390 mm

50

300



Al/Cu



Hand shears for cutting Al/Cu cables and wires Cutting with ratchet system .

Step by step allows for easy cutting of thick cables . Two-hand shears Made of chrome vanadium steel

of improved quality , blackened and protected against rusting . Hardened handles finished with comfortable extended grips for better grip in the hand.

Possibility to open the blade at any stage of cutting.

Precision hardened blades .

Blades lockable on cable or wire

weig	length	Ø	mm ²
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C42

4300 gr

715 mm

60

400



Wire rope and cable shears



Al/Cu/St

For cutting steel cables and rods as well as copper and aluminium wires .

Also suitable for cutting Cu-bearing wire, Cu conductor, Al overhead conductors.

Angled blades allow you to cut single wire rope wires . High cutting performance thanks to optimum leverage ratio

Very light

Blade head: special high-quality tool steel, oil-hardened multi-stage Shear body: high-strength aluminium

	weight	length	Ø	Cu
C77	2700 g	710mm	16	150

Crane shears for Cu-wires



Cu rope

Hand shears for cutting Cu-wires and Cu-strands in overhead lines

Crane cutting allows easy cutting of Cu-wires Two-handed shears

Made of high quality chrome vanadium steel, blackened and rust-protected Hardened handles with comfort handles Precision, hardened blades shaped to prevent cables and wires from slipping out during operation

	weight	length	Ø	mm ²
C29	2600 gr	800 mm	38mm	Cu 240/ AL. 240

Cable shear with chain system



AFL

Professional wire and cable cutters

Al/Cu/Djp/AFL

Thick blades, ground flat to reduce the risk of damaging the cutting material. Chain ratchet system increases cutting power and reduces the possibility of skips during operation

Two cutting modes : fast cutting blades for small wire; switches automatically to ratchet mode.

Anti-slip ratchet mechanism Rubber protection protects the ratchet mechanism from dirt

	weig	length	Ø	AFL(ACSR)
C80	5000 g	743 cm	30	AFL8-525



Crane shears for cables and wires with ratchet system



Hand shears for cutting copper and aluminium cables and wires .
Crane cutting allows thick cables to be cut easily .
Two-handed shears
Adjustable and angle-adjustable telescopic arms
Aluminium tubular arms
Interchangeable cutting head
Comfortable operation thanks to ratchet mechanism

	weight	length	Ø	mm ²
C25	1980 g	570 mm	38	240

Cable and wire cutters with ratchet system



Hand shears for cutting copper and aluminium cables and wires . Cutting with ratchet system .
Step by step allows for easy cutting of thick cables .
Single-handed shears
Made from high quality chrome vanadium steel ,
blackened to protect against rusting . Hardened
handles finished with comfortable extended handles
for better grip.
in the hand . Precision, hardened blades
Possibility to open the blade at any stage of
cutting. Blades lockable on cable or wire

	weight	length	Ø	mm ²
C33	676 g	250 mm	32	240
C33 VDE	652 g	250 mm	32	240

Cable and wire cutters with ratchet system



Hand shears for cutting copper and aluminium cables and wires . Cutting with ratchet system .
Step by step for easy cutting
thick cables . One-
hand shears
Made from high quality chrome vanadium steel ,
blackened to protect against rusting . Hardened
handles finished with comfortable extended handles
for better grip.
in the hand .
Precision hardened blades
Possibility to open the blade at any stage of cutting.
Blades lockable on cable or wire

	weig	length	Ø	mm ²
C36 C36	860 g	280 mm	52	300
VDE	835 g	280 mm	52	300



Cable and wire cutters with ratchet system



Hand shears for cutting copper and aluminium cables and wires . Cutting with ratchet system . Step by step allows for easy cutting of thick cables . One-hand shears Made of high quality chrome vanadium steel , blackened with rust protection . Hardened handles finished with comfortable extended grips for a better grip.
in the hand . Precision hardened blades
Possibility to open the blade at any stage of cutting. Blades lockable on cable or wire

	weight	length	Ø	mm ²
C40	825 g	320 mm	60	500
C40 VDE	830 g	320 mm	60	500

Reinforced steel wire cable cutters with ratchet system



Hand shears for cutting steel wire reinforced cables (SWA) Cutting with ratchet system .
Step by step allows for easy cutting of thick cables . One-hand shears
Made from high quality chrome vanadium steel , blackened to protect against rusting . Hardened handles finished with comfortable extended handles for better grip.
in the hand . Precision hardened blades
Ability to open the blade at any stage of cutting. Blades lockable on cable or wire Not suitable for cutting ACSR and wire rope.

	weight	length	Ø	mm ²
C72	800 g	315 mm	45	300
C72 VDE	800 g	315 mm	45	300

ACSR (AFL) overhead wire cutters with ratchet system



Hand shears for cutting copper and aluminium cables (ACSR) . Cutting with ratchet system . Step by step for easy cutting of thick cables . One-hand shears Made of high quality chrome vanadium steel , blackened with rust protection . Hardened handles finished with comfortable extended handles for a better grip.
in the hand . Precision hardened blades
Possibility to open the blade at any stage of cutting. Blades lockable on cable or wire

	weight	length	Ø AFL(ACSR)	
C70	1300 g	340 mm	32	8-525



Ratchet cable and wire cutters model C51



Al/Cu



Cable shears for copper and aluminium cables, single and multicore - also with hard rubber or plastic insulation
Not suitable for cutting wire and wire rope Also suitable for cutting cables with a reinforcing steel sheath
Low force required due to optimal lever ratio
High cutting performance thanks to two-handed operation and ratchet mechanism
Blade can be retracted in any position Multistage adjustment of arm length (short transport length, individual adaptation to working conditions)
Blades: special quality tool steel, oil-hardened
Arms: heavy-duty oval aluminium tube

weight	length	Ø	mm ²
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C51

composite handle

3820 g 600-810 mm 60 740

Ratchet cable and wire cutters model C52



Cable shears for copper and aluminium cables, single and multicore - also with hard rubber or plastic insulation
Not suitable for cutting wire and wire rope Also suitable for cutting cables with a reinforcing steel sheath
Low force required due to optimal lever ratio
High cutting performance thanks to two-handed operation and ratchet mechanism
Blade can be retracted in any position Multistage adjustment of arm length (short transport length, individual adaptation to working conditions)
Blades: special quality tool steel, oil-hardened
Arms: heavy-duty oval aluminium tube

weight	length	Ø	mm ²
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C52

composite handle

4980 g 650-860 mm 100 960



Rod shears



Hand shears for cutting steel bars The crane cutter allows bars to be cut easily .
Two-handed shears
Made of chrome vanadium steel
with improved quality, blackened and protected
against rusting
Hardened handles with comfort handles Forged
chrome-molybdenum steel jaws for cutting up to 160
kg/mm²

	weight	length	Ø
C90	1000 g	350 mm	6
C91	1450 g	450 mm	7
C92	2500 g	600 mm	10
C93	3800 g	750 mm	12
C94	6000 g	900 mm	14
C95	7800 g	1050 mm	16

Rod shears



Hand shears for cutting steel bars Cutting
force up to 48 HRC
Blades additionally induction hardened
Forged stop with comfort cushioning Narrow head
and joint for working in hard-to-reach areas
Ergonomic arms for efficient working Robust two-
component handles, bicolour Precise adjustment
(12 steps) and eccentric screw adjustment
The optimum combination of blade angle and lever
ratio with the pivot point offset to the side ensures
high cutting performance with minimum effort .
Replaceable cutting head
Blades: h e a v y - d u t y chrome-vanadium steel,
forged, oil-tempered multi-stage hardened Joint:
special tool steel, forged
Arm: steel tube, powder-coated

	weight	length	Ø
7172 460	2100 g	460 mm	8,0
7172 610	2550 g	610 mm	9,0
7172 760	4250 g	760 mm	11,0
7172 910	4950 g	910 mm	13,0



Spare parts for 7172 shears

7179 460	Spare cutting head for 71 72 460
7179 610	Spare cutting head for 71 72 610
7179 760	Spare cutting head for 71 72 760
7179 910	Replacement cutting head for 71 72 910



E02 MINI Elektro-hydraulic battery tools - cutter ACSR



Ø26mm

ACSR



Al/Cu



Description :

Model E02 MINI

Guillotine type head
Weight 4.5 kg
Operating range
Al. / Cu 26mm
ACSR 26mm
Working pressure 700 bar
Pressure 50 kN
360 degree rotatable head
Biodegradable oil
Operating range -20 to +40 degrees C
Dimensions : 491x118x75 mm

Power supply :

Makita Li-Ion 18.0 V, 2.0 Ah battery charger with active cooling system:
cools down the battery during charging thanks to the built-in fan
Battery type: Lithium Ion/Li-Ion
Battery capacities: 1.3-5.0 (2.0 Ah battery standard)
Charging time: approx. 22 min
Charger supply 230 V

LED indication of battery charge status LED panel with battery data and number of pressings Automatic pressure fuse
Manual / automatic piston return Stop scissor operation / piston return - immediate LED lighting of the work area (Night mode)
Two-stage pump (idle, high pressure) Composite handle
Handle for attaching to belt or suspension

Set contains :

E02 MINI battery cutter
Makita charger
Rechargeable battery E18/5 - capacity 2.0 Ah ,
Plastic carrying case
Operating instructions

Options :

Additional battery
Milwaukee battery adapter



1



2



3



4



5



6



7



8



CU



AAL



AFL (ACSR) Reinforced



cables

Description of photographs

1. Handy handle to hold the tool
2. Composite handle
3. Handle for attaching to belt or suspension
4. Display with battery status and number of pressings performed
5. Night mode - workplace illumination (optional)
6. Open-type swivel head
7. Powerful 18V 2.0 Ah battery as standard
8. Reputable Makita charger included



E02/1 Elektro-hydraulic battery tools - cutter ACSR



Description :

Model E02/1

Guillotine type head

Weight 5.5 kg

Operating range Al. 45mm Cu 45mm ACSR 45 mm

Reinforced cables - **YES** 45

Biodegradable oil

Operating range -20 to +40 degrees C

Dimensions: 450x70x280

Power supply :

Makita Li-Ion 18.0 V, 5.0 Ah battery charger with active cooling system:

cools down the battery during charging thanks to the built-in fan

Battery type: Lithium Ion/Li-Ion

Battery capacities: 1.3-5.0 (5.0 Ah battery standard)

Charging time: approx. 22 min

Charger supply 230 V

LED indication of battery charge status LED panel with battery data and number of pressings Automatic pressure fuse

Manual / automatic piston return Stop scissor

operation / piston return - immediate LED lighting of the work area (Night mode)

Two-stage pump (idle, high pressure) Composite handle

Handle for attaching to belt or suspension

Set contains : Cordless shears

E02/1 Makita charger

Rechargeable battery E18/5 - capacity 5.0 Ah ,

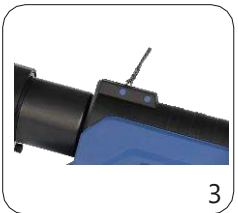
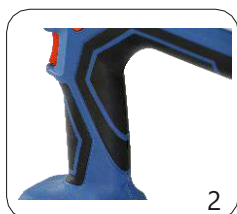
Plastic carrying case

Operating instructions

Options :

Additional battery

Milwaukee battery adapter



Description of photographs

- 1 . Bright - easily visible START - STOP button
2. Composite handle
3. Handle for attaching to belt or suspension
4. Display with battery status and number of pressings performed
5. Night mode - workplace illumination
6. Reputable Makita charger included
7. Powerful 18V 5.0 Ah battery as standard
8. Interchangeable batteries with different capacities 18V version - 1.5 Ah - 3.0 Ah - 4.0 Ah- 5.0 Ah - 6.0 Ah



E02/2 Elektro-hydraulic battery tools - cutter ACSR



Description :

Model E02/2

Guillotine type head

Weight 8.3 kg

Operating range AL / Cu / ACSR 55 mm

Working pressure 700 bar

Pressure 120 kN

360 degree rotatable head

Biodegradable oil

Operating range -20 to +40 degrees C Dimensions:
510x70x280

Power supply :

Makita Li-Ion 18.0 V, 5.0 Ah battery charger with active cooling system:

cools down the battery during charging thanks to the built-in fan

Battery type: Lithium Ion/LI-Ion

Battery capacities: 1.3-5.0 (5.0 Ah battery standard)

Charging time: approx. 22 min

Charger supply 230 V

LED indication of battery charge status LED panel with battery data and number of pressings Automatic pressure fuse

Manual / automatic piston return Stop scissor operation / piston return - immediate LED lighting of the work area (Night mode)

Two-stage pump (idle, high pressure) Composite handle Handle for attaching to belt or suspension

Set contains : Cordless shears

E02/2 Makita charger

Rechargeable battery E18/5 - capacity 5.0 Ah ,

Plastic carrying case

Operating instructions

Options :

Additional battery

Milwaukee battery adapter



Description of photographs

- 1 . Bright - easily visible START - STOP button
2. Composite handle
3. Handle for attaching to belt or suspension
4. Display with battery status and number of pressings performed
5. Night mode - workplace illumination
6. Reputable Makita charger included
7. Powerful 18V 5.0 Ah battery as standard
8. Interchangeable batteries with different capacities 18V version - 1.5 Ah - 3.0 Ah - 4.0 Ah- 5.0 Ah - 6.0 Ah

www.electrasklep.pl

e-mail info@electrapolska.com



E01 Elektro-hydraulic battery tools - cutter AL/Cu



Ø32mm



Description :

Model E01

Open type head
Weight 3.9 kg
Operating range AL/Cu 32 mm

Reinforced cables - **NO**
AFL cables - **NO**
Working pressure 700 bar Pressure 48 kN
360 degree rotatable head
Biodegradable oil
Operating range -20 to +40 degrees C

Dimensions: 468x133x75 mm

Power supply :

Makita Li-Ion 18.0V, 2.0Ah battery charger with active cooling system:
cools down the battery during charging thanks to the built-in fan
Battery type: Lithium Ion/Li-Ion
Battery capacities: 1.3-5.0 (2.0 Ah battery standard)
Charging time: approx. 22 min
Charger supply 230 V

LED indication of battery charge status LED panel with battery data and number of pressings

Automatic pressure fuse
Manual / automatic piston return Stop scissor operation / piston return - immediate
Work area illumination (Night mode optional) Two-stage pump (idle, high pressure) Composite handle
Handle for attaching to belt or suspension

Set contains: E01 MINI cordless shears Makita charger
Battery E18/2.0 - capacity 2.0Ah , Plastic carrying case
Operating instructions

Options :

Additional battery
Milwaukee battery adapter



AL



CU



AAL



AFL (ACSR) Reinforced



cables

Description of photographs

1. Handy handle to hold the tool
2. Composite handle
3. Handle for attaching to belt or suspension
4. Display with battery status and number of pressings performed
5. Night mode - workplace illumination (optional)
6. Open-type swivel head
7. Powerful 18V 2.0 Ah battery as standard
8. Reputable Makita charger included

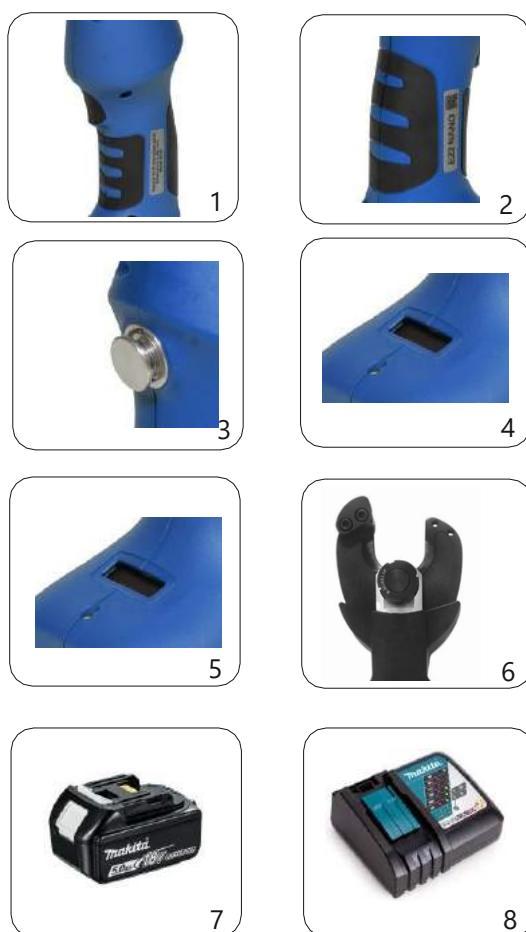


E01 NANO Elektro-hydraulic battery tools - cutter Al/Cu



Al/Cu

Ø32mm



Description :

Model E01 NANO

Open type head
Weight 2.45 kg
Operating range Al. 32 mm Cu 32 mm
Reinforced cables - **NO**
AFL cables - **NO**
Working pressure 700 bar
Pressure 60 kN
360 degree rotatable head
Biodegradable oil
Operating range -20 to +40 degrees C

Dimensions: 410x90x85 mm

Power supply :

Makita Li-Ion 18.0 V, 2.0 Ah battery charger with active cooling system:
cools down the battery during charging thanks to the built-in fan
Battery type: Lithium Ion/Li-Ion
Battery capacities: 1.3-5.0 (2.0 Ah battery standard)
Charging time: approx. 22 min
Charger supply 230 V

LED indication of battery charge status LED panel with battery data and number of pressings Automatic pressure fuse

Manual / automatic piston return Stop scissor operation / piston return - immediate

LED lighting of the work area (Night mode optional)

Single-stage pump (steady cutting) Composite handle

Handle for attaching to belt or suspension

The set includes :

Cordless shears E01 NANO

Charger Makita

Makita E18/2.0 battery - capacity 2.0 Ah ,

plastic carrying case

Operating instructions

Options :

Additional battery

Milwaukee battery adapter



Photo

description

1. Handy handle to hold the tool
2. Composite handle
3. Metal piston return button
4. Display with battery status and number of pressings performed
5. Night mode - workplace lighting standard
6. Rotating cutting head open type
- 7-8 Charger and 18V 2.0 Ah battery as standard



E01 MINI Elektro-hydraulic battery tools - cutter Al/Cu



Al/Cu

Ø40mm



Description :

Model E01 MINI

Open type head
Weight 3.9 kg
Operating range Al. 40 mm Cu 40 mm
Reinforced cables - **NO**
AFL cables - **NO**
Working pressure 700 bar Pressure 30 kN
360 degree rotatable head
Biodegradable oil
Operating range -20 to +40 degrees C

Dimensions: 468x133x75 mm

Power supply :

Makita Li-Ion 18.0V, 2.0Ah battery charger with active cooling system:
cools down the battery during charging thanks to the built-in fan
Battery type: Lithium Ion/LI-Ion
Battery capacities: 1.3-5.0 (2.0 Ah battery standard)
Charging time: approx. 22 min
Charger supply 230 V

LED indication of battery charge status LED panel with battery data and number of pressings Automatic pressure fuse

Manual / automatic piston return Stop scissor operation / piston return - immediate
Work area illumination (Night mode optional) Two-stage pump (idle, high pressure) Composite handle
Handle for attaching to belt or suspension

Set contains: E01 cordless shears

Makita charger
Battery E18/2.0 - capacity 2.0Ah ,

Plastic carrying case
Operating instructions

Options :

Additional battery
Milwaukee battery adapter



AL



CU



AAL



AFL (ACSR) Reinforced



cables

Description of photographs

1. Handy handle to hold the tool
2. Composite handle
3. Handle for attaching to belt or suspension
4. Display with battery status and number of pressings performed
5. Night mode - workplace illumination (optional)
6. Open-type swivel head
7. Powerful 18V 2.0 Ah battery as standard
8. Reputable Makita charger included



E03 Elektro-hydraulic battery tools - cutter Al/Cu

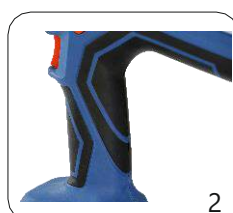


Al/Cu

Ø50mm



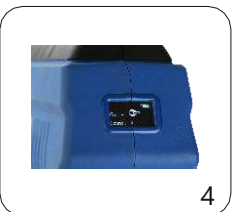
1



2



3



4



5



6



7



8

Description :

Model E03

Guillotine type head

Weight 4.2 kg

Operating range 50mm Al/Cu

Working pressure 700

bar Pressure 60 kN

360 degree rotatable head

Biodegradable oil

Operating range -20 to +40 degrees C

Dimensions: 440x70x280

Power supply :

Makita Li-Ion 18.0 V, 5.0 Ah battery charger with active cooling system:

cools down the battery during charging thanks to the built-in fan

Battery type: Lithium Ion/Li-Ion

Battery capacities: 1.3-5.0 (5.0 Ah battery standard)

Charging time: approx. 22 min

Charger supply 230 V

LED indication of battery charge status LED panel with battery data and number of pressings Automatic pressure fuse

Manual / automatic piston return Stop scissor

operation / piston return - immediate LED lighting of the work area (Night mode)

Two-stage pump (idle, high pressure) Composite handle

Handle for attaching to belt or suspension

Set contains :

E03 cordless

shears Makita charger

Rechargeable battery E18/5 - capacity 5.0 Ah ,

Plastic carrying case

Operating instructions

Options :

Additional battery

Milwaukee battery adapter



AL



CU



AAL



AFL (ACSR) Reinforced



cables

Description of photographs

1. Bright - easily visible START - STOP button
2. Composite handle
3. Handle for attaching to belt or suspension
4. Display with battery status and number of pressings performed
5. Night mode - workplace illumination
6. Reputable Makita charger included
7. Powerful 18V 5.0 Ah battery as standard
8. Interchangeable batteries with different capacities 18V version - 1.5 Ah - 3.0 Ah - 4.0 Ah - 5.0 Ah - 6.0 Ah

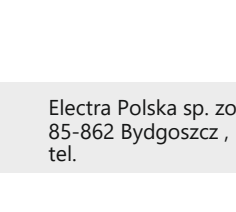
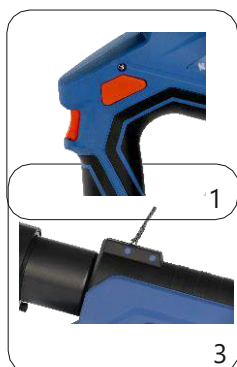


E04 Elektro-hydraulic battery tools - cutter Al/Cu



Ø85mm

Al/Cu



Description :

Model E04

Guillotine type head
Weight 6.7 kg
Operating range Al. 85 mm Cu 85 mm
Reinforced cables - **NO**
AFL cables - **NO**
Working pressure 700 bar Pressure 60 kN
360 degree rotatable head
Biodegradable oil
Operating range -20 to +40 degrees C

Dimensions: 550x70x280

Power supply :

Makita Li-Ion 18.0 V, 5.0 Ah battery charger with active cooling system:
cools down the battery during charging thanks to the built-in fan
Battery type: Lithium Ion/Li-Ion
Battery capacities: 1.3-5.0 (5.0 Ah battery standard)
Charging time: approx. 22 min
Charger supply 230 V

LED indication of battery charge status LED panel with battery data and number of pressings Automatic pressure fuse

Manual / automatic piston return Stop scissor operation / piston return - immediate LED lighting of the work area (Night mode)

Two-stage pump (idle, high pressure) Composite handle
Handle for attaching to belt or suspension

Set contains : E04 cordless shears

Makita charger
Rechargeable battery E18/5 - capacity 5.0 Ah ,
Plastic carrying case
Operating instructions

Options :

Additional battery
Milwaukee battery adapter



AL



CU



AAL



AFL (ACSR)



Reinforced cables

Description of photographs

- 1 . Bright - easily visible START - STOP button
2. Composite handle
3. Handle for attaching to belt or suspension
4. Display with battery status and number of pressings performed
5. Night mode - workplace illumination
6. Reputable Makita charger included
7. Powerful 18V 5.0 Ah battery as standard
8. Interchangeable batteries with different capacities 18V version - 1.5 Ah - 3.0 Ah - 4.0 Ah - 5.0 Ah - 6.0 Ah

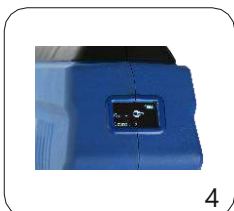


E05 Elektro-hydraulic battery tools - cutter Al/Cu



Al/Cu

Ø105mm



Description :

Model E05

Guillotine type head
Weight 10.7 kg
Operating range Al. 105 mm Cu 105 mm
Reinforced cables - **NO**
AFL cables - **NO**
Working pressure 700 bar Pressure 120 kN
360 degree rotatable head
Biodegradable oil
Operating range -20 to +40 degrees C

Dimensions: 640x90x280

Power supply :

Makita Li-Ion 18.0 V, 5.0 Ah battery charger with active cooling system:
cools down the battery during charging thanks to the built-in fan
Battery type: Lithium Ion/Li-Ion
Battery capacities: 1.3-5.0 (5.0 Ah battery standard)
Charging time: approx. 22 min
Charger supply 230 V

LED indication of battery charge status LED panel with battery data and number of pressings Automatic pressure fuse

Manual / automatic piston return Stop scissor operation / piston return - immediate LED lighting of the work area (Night mode)

Two-stage pump (idle, high pressure) Composite handle
Handle for attaching to belt or suspension

Set contains : E05 cordless shears

Makita charger
Rechargeable battery E18/5 - capacity 5.0 Ah ,
Plastic carrying case
Operating instructions

Options :

Additional battery
Milwaukee battery adapter



AL



CU



AAL



AFL (ACSR) Reinforced cables



cables

Description of photographs

- 1 . Bright - easily visible START - STOP button
2. Composite handle
3. Handle for attaching to belt or suspension
4. Display with battery status and number of pressings performed
5. Night mode - workplace illumination
6. Reputable Makita charger included
7. Powerful 18V 5.0 Ah battery as standard
8. Interchangeable batteries with different capacities 18V version - 1.5 Ah - 3.0 Ah - 4.0 Ah- 5.0 Ah - 6.0 Ah



E08/1 Elektro-hydraulic battery tools - cutter Al/Cu



Description :

Model E08/1

Guillotine type head
Working range Al. 65 mm Cu 65 mm
Reinforced cables - **NO**
AFL cables - **NO**
Working pressure 700 bar Pressure 60 kN
360 degree rotatable head
Biodegradable oil
Operating range -20 to +40 degrees C

Dimensions: 500x368x86

Power supply :

Makita Li-Ion 18.0 V, 5.0 Ah battery charger with active cooling system:
cools down the battery during charging thanks to the built-in fan
Battery type: Lithium Ion/Li-Ion
Battery capacities: 1.3-5.0 (5.0 Ah battery standard)
Charging time: approx. 22 min
Charger supply 230 V

LED indication of battery charge status LED panel with battery data and number of pressings Automatic pressure fuse

Manual / automatic piston return Stop scissor operation / piston return - immediate LED lighting of the work area (Night mode)
Two-stage pump (idle, high pressure) Composite handle
Handle for attaching to belt or suspension

Set contains: cordless shears E08/1

Battery charger Makita
Rechargeable battery E18/5 - capacity 5.0 Ah ,
Plastic carrying case
Operating instructions

Options :

Additional battery
Milwaukee battery adapter



AL



CU



AAL



AFL (ACSR) Reinforced



cables

Description of photographs

- 1 . Bright - easily visible START - STOP button
2. Composite handle
3. Handle for attaching to belt or suspension
4. Display with battery status and number of pressings performed
5. Night mode - workplace illumination
6. Reputable Makita charger included
7. Powerful 18V 5.0 Ah battery as standard
8. Interchangeable batteries with different capacities 18V version - 1.5 Ah - 3.0 Ah - 4.0 Ah- 5.0 Ah - 6.0 Ah



E08/2 Elektro-hydraulic battery tools - cutter Al/Cu

**NOWY
produkt**



Description :

Model E08/2

Guillotine type head
Working range Al. 85 mm Cu 85 mm
Reinforced cables - **NO**
AFL cables - **NO**
Working pressure 700
bar Pressure 60 kN
360 degree rotatable head
Biodegradable oil
Operating range -20 to +40 degrees C

Dimensions: 515x386x86

Power supply :

Makita Li-Ion 18.0 V, 5.0 Ah battery charger with
active cooling system:
cools down the battery during charging thanks to the
built-in fan
Battery type: Lithium Ion/Li-Ion
Battery capacities: 1.3-5.0 (5.0 Ah battery standard)
Charging time: approx. 22 min
Charger supply 230 V

LED indication of battery charge status LED panel with
battery data and number of pressings Automatic
pressure fuse

Manual / automatic piston return Stop scissor
operation / piston return - immediate LED lighting of the
work area (Night mode)
Two-stage pump (idle, high pressure) Composite handle
Handle for attaching to belt or suspension

Set contains : Cordless shears E08/2

Makita charger
Rechargeable battery E18/5 - capacity 5.0 Ah ,
Plastic carrying case
Operating instructions

Options :

Additional battery
Milwaukee battery adapter



AL



CU



AAL



AFL (ACSR) Reinforced



cables

Description of photographs

- 1 . Bright - easily visible START - STOP button
2. Composite handle
3. Handle for attaching to belt or suspension
4. Display with battery status and number of pressings performed
5. Night mode - workplace illumination
6. Reputable Makita charger included
7. Powerful 18V 5.0 Ah battery as standard
8. Interchangeable batteries with different capacities 18V version - 1.5 Ah - 3.0 Ah - 4.0 Ah - 5.0 Ah - 6.0 Ah



H01 Hydraulic cutter - ACSR



ACSR



St



Hand-held hydraulic tool specially designed for cutting copper, aldre, aluminium, aluminium-steel, wire, cable and wire rope, copper and steel bars with a maximum overall diameter of 45 mm.

The blades are made of special high-strength steel, heat-treated to ensure a long service life. The head swivels 180 degrees to allow the operator to work in the most comfortable position and can be easily opened to allow running cables to be cut.

Model H01 has an automatic safety valve to cut off the oil pressure at the end of the cutting process; the pressure release valve can also be operated at any stage of the operation by manually pressing a button

Model H01

Closed type head Weight 5.8 kg
Operating range Al./Cu/ACSR 45 mm
Wire rope 6x7, 6x12, 6x19 max 24 mm
Reinforced rod 20 mm
Operating pressure 700 bar
Pressure 60 kN

H02 Hydraulic cutter



ACSR



St



Hand-held hydraulic tool specially designed for cutting copper, aldre, aluminium, aluminium-steel, wire, cable and wire rope, copper and steel bars with a maximum overall diameter of 45 mm.

The blades are made of special high-strength, heat-treated steel

The head swivels 180 degrees to allow the operator to work in the most comfortable position and can be easily opened to allow running cables to be cut.

The H02 has an automatic safety valve to cut off the oil pressure at the end of the cutting process; The pressure release valve can also be operated at any stage of operation at the manual push of a button

Model H02

Closed type head Weight 4.9 kg
Working range Al./Cu/ACSR 45 mm
Wire rope max 12 mm
Working pressure 700 bar
Load 60 kN



H03 Hydraulic cable cutter for Al/Cu



Al/Cu



A hand-held hydraulic tool specially designed for cutting copper, aluminium cables, with a maximum overall diameter of 50 mm.

The blades are made of special high-strength steel, heat-treated to ensure a long service life.

The head swivels 180 degrees to allow the operator to work in the most comfortable position and can be easily opened to allow running cables to be cut.

The H03 has an automatic safety valve to cut off the oil pressure at the end of the cutting process;
The pressure release valve can also be operated at any stage of operation at the manual push of a button

Closed type head
Weight 3.9 kg
Operating range
Al./Cu 50 mm
Required oil capacity 147 cc
Biodegradable oil
Operating range -20 to +40 degrees C
Height 560 mm
180 degree rotating head 700 bar working pressure
Pressure 60 kN

H04 Hydraulic cable cutter for Al/Cu



Al/Cu



A hand-held hydraulic tool specially designed for cutting copper, aluminium cables, with a maximum overall diameter of 85 mm.

The blades are made of special high-strength steel, heat-treated to ensure a long service life.

The head swivels 180 degrees to allow the operator to work in the most comfortable position and can be easily opened to allow running cables to be cut.

The H04 has an automatic safety valve to cut off the oil pressure at the end of the cutting process;
The pressure release valve can also be operated at any stage of operation at the manual push of a button

Closed type head
Weight 6.4 kg
Operating range
Al./Cu 85 mm
Required oil capacity 147 cc
Biodegradable oil
Operating range -20 to +40 degrees C
Height 683 mm
180 degree rotating head 700 bar working pressure
Pressure 60 kN



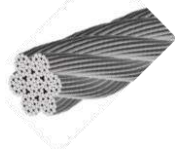
G02/1 Hydraulic cutting head for ACSR



ACSR



St



Hydraulic cutting head complete with quick-connect automatic coupling for connection to any Electra hydraulic pump with an operating pressure of 700 bar max.

Pin head lockable

Weight 4.5 kg

Operating range

Al./Cu/AFL 45 mm

Wire rope 6x7, 6x12, 6x19 max 25 mm Working

pressure 700 bar

Pressure 60 kN

Required oil capacity 70 cc

Biodegradable oil

Operating range -20 to +40 degrees C

Height 346 mm

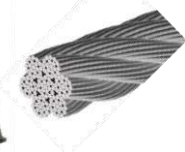
G02/2 Hydraulic cutting head for ACSR



ACSR



St



Hydraulic cutting head complete with quick-connect automatic coupling for connection to any Electra hydraulic pump with an operating pressure of 700 bar max.

Pin head lockable

Weight 4.5 kg

Operating range

Al./Cu/AFL 55 mm

Wire rope 6x7, 6x12, 6x19 max 25 mm

Working pressure 700 bar

Pressure of 120 kN

Required oil capacity 70 cc

Biodegradable oil

Operating range -20 to +40 degrees C

Height 346 mm

G03 Hydraulic cutting head for Al/Cu cable



Al/Cu



Hydraulic cutting head complete with quick-connect automatic coupling for connection to any Electra hydraulic pump with an operating pressure of 700 bar max.

Clip-on head

Weight 2.3 kg

Working range

Al./Cu/max 50 mm

Operating pressure 700 bar

Pressure 60 kN

Required oil capacity 73 cc

Biodegradable oil

Operating range -20 to +40 degrees C

Height 373 mm



G04 Hydraulic cutting head for Al/Cu cable



Al/Cu



Hydraulic cutting head complete with quick-connect automatic coupling for connection to any Electra hydraulic pump with an operating pressure of 700 bar max.

Closed type head

Weight 4.8kg

Operating range

Al./Cu/ max 85 mm

Operating pressure 700 bar

Pressure 60 kN

Required oil capacity 95 cc

Biodegradable oil

Operating range -20 to +40 degrees C

Height 395 mm

G05 Hydraulic cutting head for Al/Cu cable



Al/Cu



Hydraulic cutting head complete with quick-connect automatic coupling for connection to any Electra hydraulic pump with an operating pressure of 700 bar max.

Closed type head

Weight 7.5 kg

Operating range

Al./Cu/ max 105 mm

Operating pressure 700 bar

Pressure 120 kN

Required oil capacity 193 cc

Biodegradable oil

Operating range -20 to +40 degrees C

Height 570 mm

G06 Hydraulic cutting head for Al/Cu cable



Al/Cu



Hydraulic cutting head complete with quick-connect automatic coupling for connection to any Electra hydraulic pump with an operating pressure of 700 bar max.

Head type closed

Weight 11.0 kg

Operating range

Al./Cu/max 120 mm

Operating pressure 700 bar

Pressure 100 kN

Required oil capacity 48 cc

Biodegradable oil

Operating range -20 to +40 degrees C

Height 421 mm



G08/1 Hydraulic cutting head for Al/Cu-cables - max Ø 65 mm - open version



Al/Cu



Hydraulic cutting head specially designed for cutting copper and aluminium cables with a maximum overall diameter of 65 mm.

The head is fitted with a quick-connect automatic coupling for connecting an Electra hydraulic pump with a working pressure of 700 bar max.

open type head

Scope of work

Al /Cu max 65 mm

Reinforced cables 45

mm Working pressure

700 bar Pressure 60 kN

Required oil capacity 45 cc

Biodegradable oil

Operating range -20 to +40 degrees C

Dedicated for 500 mm² rail power cable with 61.5 mm diameter

G08/2 Hydraulic cutting head for Al/Cu cable - max Ø 85 mm - open version



Al/Cu



Hydraulic cutting head specially designed for cutting copper and aluminium cables with a maximum overall diameter of 85 mm.

The head is fitted with a quick-connect automatic coupling for connecting an Electra hydraulic pump with a working pressure of 700 bar max. Head type open

Scope of work

Al /Cu max 85 mm

Reinforced cables 65 mm

Working pressure 700 bar

Pressure 60 kN

Required oil capacity 66 cc

Biodegradable oil

Operating range -20 to +40 degrees C

G09 Hydraulic cutting head for Al/Cu cable - max Ø 95 mm - open version



Al/Cu



Hydraulic cutting head specially designed for cutting copper and aluminium cables with a maximum overall diameter of 95 mm.

The head is fitted with a quick-connect automatic coupling for connecting an Electra hydraulic pump with a working pressure of 700 bar max.

open type head

Scope of work

Al / Cu max 95 mm

Operating pressure 700 bar

Weight 7.9 kg

Pressure of 120 kN

Required oil capacity 95 cc

Biodegradable oil

Operating range -20 to +40 degrees C



CP 1086-W-1000 kV Safe cutting set for Al/Cu cable in 85 mm working range foot pump



60 kV

Al/Cu



The insulated cable cutting set can be used **for the safe cutting of** copper and aluminium cables with a rated voltage of up to 60 kV, where no voltage can be guaranteed.

The units can be used both indoors and outdoors, even in humid conditions when the temperature is between -20°C and +40°C. Not suitable for cutting cables with special armouring. Working range

Al /Cu max 85 mm

Operating pressure 700 bar

Dimensions 680x200x163

Weight of set 16.6 kg

Delivery : Pump , cutting head , electro-insulation hose 10 m. , metal box

Option : grounding arrowhead with wire



CP 1096-W-1000 kV Safe cutting set for Al/Cu cables in a working range of 95 mm foot pump



60 kV

Al/Cu



The insulated cable cutting set can be used **for the safe cutting of** copper and aluminium cables with a rated voltage of up to 60 kV, where no voltage can be guaranteed.

The units can be used both indoors and outdoors, even in humid conditions when the temperature is between -20°C and +40°C. Not suitable for cutting cables with special armouring. Working range

Al /Cu max 96 mm

Operating pressure 700 bar

Dimensions 680x200x163

Weight of set 19.0 kg

Delivery : Pump , cutting head , electro-insulation hose 10 m. , metal box

Option : grounding arrowhead with wire



CP 1120-W-1000 kV Safe cutting set for Al/Cu cable in working range 120 mm foot pump



60 kV

Al/Cu



for the safe cutting of copper and aluminium cables with a rated voltage of up to 60 kV, where no voltage can be guaranteed.

The units can be used both indoors and outdoors, even in humid conditions when the temperature is between -20°C and +40°C. Not suitable for cutting cables with special armouring. Working range

Al /Cu max 120 mm

Operating pressure 700 bar

Dimensions 680x200x163

Weight of set 20.2kg

Delivery : Pump , cutting head , electro-insulation hose 10 m. , metal box

Option : grounding arrowhead with wire





B68RC3-85 Safety cable cutting kit for 85 mm working range battery pump



60 kV

Al/Cu



The insulated cable cutting set can be used **for the safe cutting of** copper and aluminium cables with a rated voltage of up to 60 kV, where no voltage can be guaranteed.
The units can be used both indoors and outdoors, even in humid conditions when the temperature is between -20°C and +40°C. Not suitable for cutting cables with special armouring. Working range
Al / Cu max 85 mm
Insulated battery pump
Operating pressure 700 bar
Dimensions 680x200x163
Weight of set 16.6 kg
Delivery : Pump , cutting head , electro-insulation hose 10 m. , bag
Option : grounding arrowhead with cable steel box



B68RC3-96 Safety cable cutting kit with 95 mm working range cordless pump



60 kV

Al/Cu



The insulated cable cutting set can be used **for the safe cutting of** copper and aluminium cables with a rated voltage of up to 60 kV, where no voltage can be guaranteed.
The units can be used both indoors and outdoors, even in humid conditions when the temperature is between -20°C and +40°C. Not suitable for cutting cables with special armouring. Working range
Al / Cu max 96 mm
Insulated battery pump
Operating pressure 700 bar
Dimensions 680x200x163
Weight of set 19.0 kg
Delivery : Pump , cutting head , electro-insulation hose 10 m. , nylon bag
Option : grounding arrowhead with cable steel box



B68RC3-120 Safety cable cutting set with 120 mm working range battery pump



60 kV

Al/Cu



The insulated cable cutting set can be used **for the safe cutting of** copper and aluminium cables with a rated voltage of up to 60 kV, where no voltage can be guaranteed.
The units can be used both indoors and outdoors, even in humid conditions when the temperature is between -20°C and +40°C. Not suitable for cutting cables with special armouring. Working range
Al / Cu max 120 mm
Insulated battery pump
Operating pressure 700 bar
Dimensions 680x200x163
Set weight 20.2kg
Delivery : Pump , cutting head , electro-insulation hose 10 m. , nylon bag
Option : grounding arrowhead with cable steel box



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25
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Machining of busbars and punching of sheet metal holes

Drives for die-cutting machines

Round , square , rectangular punching dies

Heads for machining busbars

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E35 Cordless drive for sheet metal hole punches



max Ø63.5mm



Description :

Swivel head 180-360 degrees Weight 2.6 kg
Scope of work
Hole punching - sheet metal 3.5 mm - 61.5 mm Hole punching - sheet metal 2.0 mm - 161.9 mm Hole punching - stainless steel 2.0 mm - 61.5 mm Thread 3/4" - 19 UN
Number of cycles: 250 cycles / sheet metal 3.0 mm hole 49.6 mm Operating pressure 700 bar
Pressure 60 kN
Swivel head with an angle of 180-360 degrees
Biodegradable oil
Operating range -20 to +40 degrees C

Dimensions: 452x120x75 mm

Power supply :

Makita Li-Ion 18.0 V, 1.5 Ah battery charger with active cooling system:
cools down the battery during charging thanks to the built-in fan
Battery type: Lithium Ion/LI-Ion
Battery capacities: 1.3-5.0 (1.5 Ah battery standard)
Charging time: approx. 22 min
Charger supply 230 V

LED indication of battery charge status LED panel with battery data and number of pressings Automatic pressure fuse
Manual / automatic piston return Stop scissor operation / piston return - immediate LED lighting of the work area (Night mode)
Two-stage pump (idle, high pressure) Composite handle
Handle for attaching to belt or suspension

Set contains :

E35 cordless drive
Makita charger
Rechargeable battery E18/5 - capacity 1.5 Ah , Plastic carrying case
Operating instructions

Options :

Additional battery

63,5 161,9 63,5
mm mm mm

black steel 3.5 mm black steel 2.0 mm stainless steel 2.0 mm

Description of photographs

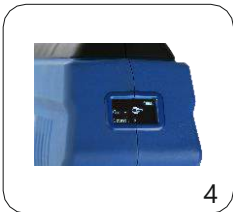
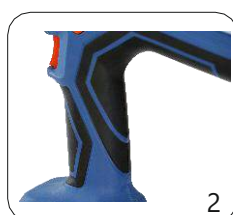
1. Handy handle to hold the tool
2. Composite handle
3. Handle for attaching to belt or suspension
4. Display with battery status and number of pressings performed
5. Night mode - workplace illumination (optional)
6. Swivel head
7. Powerful 18V 1.5 Ah battery as standard
8. Reputable Makita charger included



E33 Cordless drive for sheet metal hole punches



max Ø63.5mm



Description :

Swivel head 180-360 degrees

Weight 3.0 kg

Scope of work

Hole punching - sheet metal 3.5 mm - 63.5 mm Hole

punching - sheet metal 2.0 mm - 161.9 mm Hole punching

- stainless steel 2.0 mm - 63.5 mm Thread 3/4" - 19 UN

Number of cycles: 250 cycles / sheet metal 3.0 mm hole

49.6 mm Operating pressure 700 bar

Pressure 60 kN

Swivel head with an angle of 180-360 degrees

Biodegradable oil

Operating range -20 to +40 degrees C

Dimensions: 590x510x140 mm

Power supply :

Makita Li-Ion 18.0 V, 3.0 Ah battery charger with active cooling system:

cools down the battery during charging thanks to the built-in fan

Battery type: Lithium Ion/LI-Ion

Battery capacities: 1.3-5.0 (5.0 Ah battery standard)

Charging time: approx. 22 min

Charger supply 230 V

LED indication of battery charge status LED panel with battery data and number of pressings Automatic pressure fuse

Manual / automatic piston return Stop scissor operation / piston return - immediate LED lighting of the work area (Night mode)

Two-stage pump (idle, high pressure) Composite handle Handle for attaching to belt or suspension

Set contains :

Battery drive E33

Makita charger

Rechargeable battery E18/5 - capacity 5.0

Ah , Plastic carrying case

Operating instructions

Options :

Additional battery

63,5 161,9 63,5
mm mm mm

black steel 3.5 mm black steel 2.0 mm stainless steel 2.0 mm

M33 Slot cutters



Model M33

Slot-cutting pliers for steel sheet up to 2.0 mm (S235)

Notched grooves possible in sizes 3.2 mm and 4.8 mm

Easy cutting thanks to large lever arm Plastic-covered handle

Weight 1.3 kg



G35 Hydraulic punching head for sheet metal holes



Model G35

Hydraulic punch head for sheet metal punches Steel head
Pulling force 70 kN
Weight 0.8 kg
Equipment without hose

Dedicated under all hydraulic pumps Electra Polska
Page A.155-A.159

H33 Hydraulic drive for sheet metal punching machines



Model H33

Hydraulic drive for sheet metal punches Steel head
Version : front
Drawing force 66 kN
Piston stroke 22 mm
Height 320 mm
Weight 2.7 kg



model	thread	tractive force	piston stroke	die-cutting approach	weight
H33	3/4"	66 kN	22 mm	0°	2.7 kg

H34 Hydraulic drive for sheet metal punching machines



Model H34

Extra-hydraulic drive for sheet metal punches
Aluminium head
Version : 90°
Pulling force 69 kN
Piston stroke 22 mm
Height 310 mm
Weight 2.2 kg

model	threa	tractive force	piston	approach for the die-cutting	
H34	3/4"	69 kN	22 mm	90°	2.2 kg

H35 Hydraulic drive for sheet metal punching machines



Model H35

Hydraulic drive for sheet metal punches Aluminium head
Version : 360°
Pulling force 120 kN
Piston stroke 27 mm
Height 320 mm
Weight 3.2 kg

model	threa	tractive force	piston	approach for the die-cutting	
H35	3/4"	120 kN	27 mm	360°	3.2 kg



Standard round hole punch



Round hole punch Standard

For sheet steel S235
Drawing screw Ø 9.5 mm for 2 mm sheets
Drawing screw Ø 19 mm for 3 mm sheets
Hole range 12.7 - 152 mm
Hole range PG7 - PG 48 Hole
range M12 - M63

Fine UNF thread (1)
Marked 4 centring points (2) Possible screws :
● standard mechanical screw bearing
● mechanical screw for hydraulic
● drives

Round hole punch TriCut



Round hole punch TriCut®

For sheet steel S235
Drawing screw Ø 9.5 mm for 2 mm sheets
Drawing screw Ø 19 mm for 3 mm sheets
Hole range 12.7 - 63.5 mm
Hole range PG7 - PG 48 Hole
range M12 - M63

Triple punching edge (1) Fine UNF
thread (2)
Marked 4 centring points (3) Possible
screws :
● standard mechanical screw bearing
● mechanical screw for hydraulic
● drives

TriCut round hole punch+TwinCut round hole punch



TriCut® round hole punch

For S235 steel and **stainless** steel sheets
Drawing screw Ø 11.1 mm for 2 mm sheets
Drawing screw Ø 19 mm for 2.5 mm sheets
Hole range 15.2 - 63.5 mm
Hole range PG7 - PG 48 Hole
range M12 - M63

Triple punching edge (1) Fine UNF
thread (2)
Marked 4 centring points (3) Possible screws :
● standard mechanical screw bearing
● mechanical screw for hydraulic
● drives

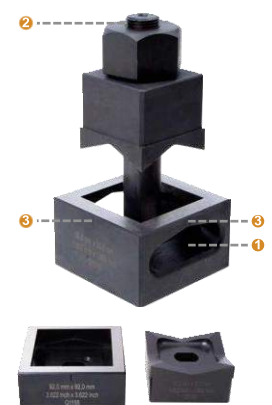


TwinCut® round hole punch

For S235 steel and **stainless** steel sheets
Drawing screw Ø 9.5 mm for 2 mm sheets
Drawing screw Ø 11.1 mm for 2.5 mm
Drawing screw Ø 19.0 mm for 3.0 mm
Hole size range 15.2 - 63.5 mm
Hole range PG7 - PG 48 Hole
range M12 - M63

Double punching edge (1) Fine UNF
thread (2)
Marked 4 centring points (3) Possible screws :
● standard mechanical screw bearing
● mechanical screw for hydraulic
● drives

Square and rectangle hole punch FormCut



Hole punch square , rectangle FormCut®

For sheet steel S235
Drawing screw Ø 1.1 mm for 2 mm sheets
Drawing screw Ø 19 mm for 2.5 mm sheets
Square holes 12.7x12.7 - 138.0x138.0 mm
Rectangular holes 11.1x22.2 - 68.0x138.0 mm
Rectangular holes 24.0x43.0 - 66.0x112.0 mm.

Hole in the waste punch (1) Fine UNF thread
(2)
Seen 4 points for centring (3) Possible screws :
● standard mechanical screw bearing
● mechanical screw for hydraulic
● drives

Square and rectangle hole punch FormCut+



Hole punch square , rectangle FormCut+®

For S235 steel and **stainless** steel sheets
Drawing screw Ø 1.1 mm for 2 mm sheets
Drawing screw Ø 19 mm for 2.5 mm sheets
Square holes 12.7x12.7 - 138.0x138.0 mm
Rectangular holes 11.1x22.2 - 68.0x138.0 mm
Rectangular holes 36.0x52.0 - 46.0x112.0 mm.

Hole in the waste punch (1) Fine UNF thread (2)
Seen 4 points for centring (3) Possible
screws :
● standard mechanical screw bearing
● mechanical screw for hydraulic
● drives

Ball bearing propeller



Ø x l(mm)	Model
6.0 x 46 mm	01334
9.5 x 50 mm	01339
19.0 x 55 mm	01340
11.1 x 60 mm	01342
19.0 x 75 mm	01341

Drive screw



(mm)	Model
9.5 x 19.0 mm	02010*
9.5 x 19.0 mm	02003
11.1 x 19.0 mm	02011*
11.1 x 19.0 mm	02007
19.0 x 19.0 mm	02002

* drawbolts made of high-alloy tool steel for higher load capacity



Hole punches Standard version

Round hole punch Standard

For sheet steel S235

Drawing screw Ø 9.5 mm for 2 mm sheets

Drawing screw Ø 19 mm for 3 mm sheets



Ø mm	Max. steel thickness mm (S235)	Metric dimension	PG dimension	Inch dimension	Pipe dimensions	Die-cut screw with bearing	k + matrix screw without bearing	screws for drives	screws standard	mechanical screws with bearing	
model											
12.7	2.0	M 12	7	1/2"	0.500	-	01002	01001	02003	01335	
14.3	2.0	-	-	9/16"	0.563	-	01014	01013			
15.2	2.0	-	9	-	0.598	-	01006	01005			
16.0	2.0	-	-	-	0.630	-	01016	01015			
16.2	2.0	M 16	-	-	0.638	-	01010	01009			
17.5	2.0	-	-	11/16"	0.689	-	01018	01017			
18.6	2.0	-	11	-	0.732	-	01022	01021			
19.0	2.0	-	-	3/4"	0.748	-	01026	01025			
20.0	2.0	-	-	-	0.787	-	01030	01029			
20.4	2.0	M 20	13	-	0.803	-	01034	01033			
20.6	2.0	-	-	13/16"	0.811	-	01038	01037			
22.0	2.0	-	-	-	0.866	-	01042	01041			
22.5	2.0	-	16	7/8"	0.886	1/2"	01046	01045			
23.8	2.0	-	-	15/16"	0.937	-	01050	01049			
25.0	2.0	-	-	-	0.984	-	01054	01053			
25.4	2.0	M 25	-	1"	1.000	-	01058	01057	01336	01339	
27.0	2.0	-	-	1-1/16"	1.063	-	01078	01077			
28.3	2.0	-	21	-	1.114	3/4"	01070	01069			
28.3	3.0	-	21	-	1.114	3/4"	01074	01073			
28.6	2.0	-	-	1-1/8"	1.126	-	01080	01079			
30.1	2.0	-	-	-	1.185	-	01086	01085	02003	01336	
30.5	2.0	-	-	1-7/32"	1.201	-	01094	01093			
31.7	2.0	-	-	1-1/4"	1.248	-	01102	01101			
32.5	2.0	M 32	-	-	1.280	-	01106	01105			
33.4	2.0	-	-	1-5/16"	1.315	-	01110	01109			
34.6	3.0	-	-	1-11/32"	1.362	1"	01118	01117	02002	01337	01340
35.0	2.0	-	-	1-3/8"	1.378	-	01122	01121	02003	01336	01339
35.0	3.0	-	-	1-3/8"	1.378	-	01126	01125	02002	01337	01340
37.0	3.0	-	29	-	1.457	-	01130	01129			
38.0	3.0	-	-	1-1/2"	1.496	-	01134	01133			
40.5	3.0	M 40	-	-	1.594	-	01150	01149			
41.3	3.0	-	-	1-5/8"	1.626	-	01154	01153			
42.8	3.0	-	-	-	1.685	-	01158	01157			
43.2	3.0	-	-	1-11/16"	1.701	1 1/4"	01162	01161			
44.5	3.0	-	-	1-3/4"	1.752	-	01164	01163			
47.0	3.0	-	36	-	1.850	-	01166	01165			
47.6	3.0	-	-	1-7/8"	1.874	-	01182	01181			
49.6	3.0	-	-	1-15/16"	1.953	1 1/2"	01170	01169			
50.5	3.0	M 50	-	-	1.988	-	01178	01177			
54.0	3.0	-	42	2-1/8"	2.126	-	01190	01189	01338	01341	
57.2	3.0	-	-	2-1/4"	2.252	-	01194	01193			
60.0	3.0	-	48	-	2.362	-	01202	01201			
61.5	3.0	-	-	2-3/8"	2.421	2"	01206	01205			
63.5	3.0	M 63	-	2-1/2"	2.500	-	01210	01209			
66.7	3.0	-	-	2-5/8"	2.626	-	01214	01213			
Above Ø 68.0 mm, we recommend the use							hydraulic shoots				
68.0	3.0	-	-	-	2.677	-	01242	01241	02002	01338	01341
70.0	3.0	-	-	2-3/4"	2.756	-	01222	01221			
70.6	3.0	-	-	-	2.780	-	01220	01219			
74.0	3.0	-	-	2-7/8"	2.913	2 1/2"	01234	01233			
75.5	3.0	M 75	-	2-7/8"	2.972	-	01226	01225			
76.2	3.0	-	-	3"	3.000	-	01230	01229			
80.0	3.0	-	-	3-1/8"	3.150	-	01238	01237			
82.0	3.0	-	-	-	3.228	-	01246	01245			
Above 89.0 mm. hydraulic drives required								Required accessories			
						Die cutter	Matrix	screw	special screw	lock nut	
89.0	3.0	-	-	3-1/2"	3.504	3"	01251	01252	01398	01398L	01419
92.0	3.0	-	-	3-5/8"	3.622	-	01253	01254			
100.5	3.0	-	-	-	3.957	-	01257	01258			
115.5	3.0	-	-	4-1/2"	4.547	4"	01265	01266			
120.0	3.0	-	-	-	4.724	-	01267	01268			



Hole punches TriCut® version

Round hole punch TriCut

For sheet steel S235

Drawing screw Ø 9.5 mm for 2 mm sheets

Drawing screw Ø 19 mm for 3 mm sheets



Ø mm	Max. steel thickness mm (S235)	Dimension		Inch dimension		Pipe dimensions	Die + die		screws for drives	screws mechanical with
		on metric	Dimension PG				complete blanking die screw with bearing	punch-out with die		
		model								
12.5	1.5	M 12	7	1/2"	0.500	-	01674	01770	02022	01334
15.2	2.0	-	9	-	0.598	-	01680	01771	02003	01339
16.2	2.0	M 16	-	-	0.638	-	01683	01772		
18.6	2.0	-	11	-	0.732	-	01686	01773		
20.4	2.0	M 20	13	-	0.803	-	01689	01774		
22.5	2.0	-	16	7/8"	0.886	1/2"	01692	01775		
25.4	2.0	M 25	-	1"	1.000	-	01695	01776		
28.3	2.0	-	21	-	1.114	3/4"	01698	01777		
28.3	3.0	-	21	-	1.114	3/4"	01701	01778	02002	01340
30.5	2.0	-	-	1-7/32"	1.201	-	01703	01779	02003	01339
32.5	3.0	M 32	-	-	1.280	-	01708	01780	02002	01340
34.6	3.0	-	-	1-11/32"	1.362	1"	01711	01788		
37.0	3.0	-	29	-	1.457	-	01713	01781		
40.5	3.0	M 40	-	-	1.594	-	01715	01782		01341
43.2	3.0	-	-	1-11/16"	1.701	1 1/4"	01718	01789		
47.0	3.0	-	36	-	1.850	-	01720	01783		
49.6	3.0	-	-	1-15/16"	1.953	1 1/2"	01723	01790		
50.5	3.0	M 50	-	-	1.988	-	01736	01784		
54.0	3.0	-	42	2-1/8"	2.126	-	01727	01785		
60.0	3.0	-	48	-	2.362	-	01729	01786		
61.5	3.0	-	-	2-3/8"	2.421	2"	01732	01791		
63.5	3.0	M 63	-	2-1/2"	2.500	-	01739	01787		



Hole punches TriCut+ ® version

Round hole punch TriCut+

For S235 steel and **stainless** steel sheets
Drawing screw Ø 11.1 mm for 2 mm sheets
Drawing screw Ø 19 mm for 2.5 mm sheets



Ø mm	Max. steel thickness mm (S235)	Dimension on metric		Dimension PG		Inch dimension	Pipe dimensions	Die + die		screws for drives	screws mechanical with
								complete blanking die screw with bearing	punch-out with die		
								model			
15.2	2.0	-	9	-	0.598	-	01465	01600	02007	01342	
16.2	2.0	M 16	-	-	0.638	-	01466	01656			
18.6	2.0	-	11	-	0.732	-	01467	01603			
20.4	2.0	M 20	13	-	0.803	-	01468	01606			
22.5	2.0	-	16	7/8"	0.886	1/2"	01469	01609			
25.4	2.5	M 25	-	1"	1.000	-	01470	01659			
28.3	2.5	-	21	-	1.114	3/4"	01471	01612	02002	01340	
30.5	2.5	-	-	1-7/32"	1.201	-	01472	01615			
32.5	2.5	M 32	-	-	1.280	-	01473	01662			
34.6	2.5	-	-	1-11/32"	1.362	1"	01474	01618			
37.0	2.5	-	29	-	1.457	-	01475	01621			
40.5	2.5	M 40	-	-	1.594	-	01476	01665		01341	
43.2	2.5	-	-	1-11/16"	1.701	1 1/4"	01477	01624			
47.0	2.5	-	36	-	1.850	-	01478	01627			
49.6	2.5	-	-	1-15/16"	1.953	1 1/2"	01479	01630			
50.5	2.5	M 50	-	-	1.988	-	01480	01668			
54.0	2.5	-	42	2-1/8"	2.126	-	01481	01633			
60.0	2.5	-	48	-	2.362	-	01482	01636			
61.5	2.5	-	-	2-3/8"	2.421	2"	01483	01640			
63.5	2.5	M 63	-	2-1/2"	2.500	-	01484	01671			



Hole punches TwinCut ® version

TwinCut round hole punch For S235 steel and **stainless** steel sheets Pulling screw Ø 9.5 mm for 2 mm sheets Pulling screw Ø 11.1 mm for 2.5 mm Pulling screw Ø 19.0 mm for 3.0 mm



Ø mm	Max. steel thickness mm (S235)	Dimension		Inch dimension	Pipe dimensions	Die + die		screws for drives	screws mechanical with	
		on metric	Dimension PG			complete blanking die screw with bearing	punch-out with die			
		model								
12.7	2.0	M 12	7	1/2"	0.500		01576	01510	02003	01339
15.2	2.0	-	9	-	0.598	-	01577	01513		
16.2	2.0	M 16	-	-	0.638	-	01578	01516		
18.6	2.0	-	11	-	0.732	-	01579	01519		
20.4	2.5	M 20	13	-	0.803	-	01580	01522	02007	01342
22.5	2.5	-	16	7/8"	0.886	1/2"	01581	01525		
25.4	2.5	M 25	-	1"	1.000	-	01582	01528		
28.3	3.0	-	21	-	1.114	3/4"	01583	01531	02002	01340
30.5	3.0	-	-	1-7/32"	1.201	-	01584	01534		
32.5	3.0	M 32	-	-	1.280	-	01585	01537		
34.6	3.0	-	-	1-11/32"	1.362	1"	01586	01561		
37.0	3.0	-	29	-	1.457	-	01587	01540		
40.5	3.0	M 40	-	-	1.594	-	01588	01543		01341
43.2	3.0	-	-	1-11/16"	1.701	1 1/4"	01589	01562		
47.0	3.0	-	36	-	1.850	-	01590	01546		
49.6	3.0	-	-	1-15/16"	1.953	1 1/2"	01591	01563		
50.5	3.0	M 50	-	-	1.988	-	01592	01549		
54.0	3.0	-	42	2-1/8"	2.126	-	01593	01552		
60.0	3.0	-	48	-	2.362	-	01594	01555		
61.5	3.0	-	-	2-3/8"	2.421	2"	01595	01564		
63.5	3.0	M 63	-	2-1/2"	2.500	-	01596	01558		



Standard version die-cutting sets



Standard round hole punch sets

For sheet steel S235

All sets are supplied in sturdy practical plastic cases.

Ø mm	12.7	15.2	16.2	18.6	19.0	20.4	22.5	25.4	28.3	30.5	31.7	32.5	34.6	37.0	38.0	40.5	43.2	47.0	49.6	50.5	54.0	60.0	61.5	63.5
Ø metric	M12	-	M 16	-	-	M 20	-	M 25	-	-	-	M 32	-	-	-	M 40	-	-	-	M 50	-	-	-	M 63
Ø PG	7	9	-	11	-	13	16	-	21	-	-	-	-	29	-	-	-	36	-	-	42	48	-	-
Ø inches	1/2"	-	-	-	3/4"	-	7/8"	1"	-	1-7/32"	1-1/4"	-	-	-	1-1/2"	-	1-11/16"	-	1-15/16"	-	2-1/8"	-	2-3/8"	2-1/2"
Ø Conduit	-	-	-	-	-	-	1/2"	-	3/4"	-	-	-	1"	-	-	-	1 1/4"	-	1 1/2"	-	-	-	2"	-
model																								
01290			•			•		•				•				•								
01291			•			•		•				•				•				•				•
01298	•	•		•		•	•		•	•				•				•			•	•		
01459							•		•				•				•		•				•	
01463	•				•			•			•				•					•				
01451		•		•		•	•		•															

+ 2 connection screws Ø 9.5 x 50.0 mm, 1 HSS drill bit Ø 11.0 mm, 1 slip paste

Die-cutting sets TriCut version



TriCut round hole punch sets

For sheet steel S235

All sets are supplied in sturdy practical plastic cases.

Ø mm	12.5	15.2	16.2	18.6	19.0	20.4	22.5	25.4	28.3	30.5	31.7	32.5	34.6	37.0	38.0	40.5	43.2	47.0	49.6	50.5	54.0	60.0	61.5	63.5
Ø metric	M12	-	M 16	-	-	M 20	-	M 25	-	-	-	M 32	-	-	-	M 40	-	-	-	M 50	-	-	-	M 63
Ø PG	7	9	-	11	-	13	16	-	21	-	-	-	-	29	-	-	-	36	-	-	42	48	-	-
Ø inches	1/2"	-	-	-	3/4"	-	7/8"	1"	-	1-7/32"	1-1/4"	-	-	-	1-1/2"	-	1-11/16"	-	1-15/16"	-	2-1/8"	-	2-3/8"	2-1/2"
Ø Conduit	-	-	-	-	-	-	1/2"	-	3/4"	-	-	-	1"	-	-	-	1 1/4"	-	1 1/2"	-	-	-	2"	-
Prod.-No.																								
01762			•			•		•				•				•								
01757			•			•		•				•				•				•				•
01760							•		•				•				•		•				•	
01761	•				•			•			•				•					•				
01754	•		•			•		•				•				•								
+ 1 ball bearing screw 6.0 x 40.0 mm, 1 ball bearing screw 9.5 x 50.0 mm, 1 ball bearing screw 19.0 x 55.0 mm, 1 HSS drill bit Ø 10.0 mm, 1 tube of paste																								
01755		•				•		•				•				•				•				•
+ 2 ball bearing screws 9.5x50.0 mm, 1 ball bearing screw 19.0x55.0 mm, 1 ball bearing screw Ø19.0x75.0 mm, 1 pre-drilling bit HSSØ10.0 mm, 1 paste																								
01750		•		•		•	•		•	•														
+ 2 ball bearing screws Ø 9.5 x 50.0 mm, 1 HSS pilot drill Ø 10.0 mm, 1 grease paste																								
01751		•		•		•	•		•	•				•				•			•	•		
+ 2 ball bearing screws 9.5x50.0 mm, 1 ball bearing screw 19.0x55.0 mm, 1 ball bearing screw Ø19.0x75.0 mm, 1 pre-drilling bit HSSØ10.0 mm, 1 paste																								





Die-cutting sets TriCut+ version



TriCut+ round hole punch sets

For S235 steel and stainless steel sheets All sets are supplied in a sturdy practical plastic case.

Ø mm	15.2	16.2	18.6	19.0	20.4	22.5	25.4	28.3	30.5	31.7	32.5	34.6	37.0	38.0	40.5	43.2	47.0	49.6	50.5	54.0	60.0	61.5	63.5
Ø metric	-	M 16	-	-	M 20	-	M 25	-	-	-	M 32	-	-	-	M 40	-	-	-	M 50	-	-	-	M 63
Ø PG	9	-	11	-	13	16	-	21	-	-	-	-	29	-	-	-	36	-	-	42	48	-	-
Ø inches	-	-	-	3/4"	-	7/8"	1"	-	1-7/32"	1-1/4"	-	-	-	1-1/2"	-	1-11/16"	-	1-15/16"	-	2-1/8"	-	2-3/8"	2-1/2"
Ø inches	0.598	0.638	0.732	0.748	0.803	0.886	1.0	1.114	1.201	1.248	1.280	1.362	1.457	1.496	1.594	1.701	1.850	1.953	1.988	2.126	2.362	2.421	2.5
Ø Conduit	-	-	-	-	-	1/2"	-	3/4"	-	-	-	1"	-	-	-	1 1/4"	-	1 1/2"	-	-	-	2"	-
model																							
01652		•			•		•				•				•								
01653		•			•		•				•				•				•				•
01645						•		•				•				•		•				•	
01646				•			•			•				•					•				

Die-cutting sets TwinCut version



TwinCut round hole punch sets

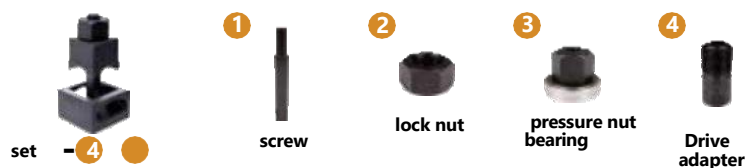
For S235 steel and stainless steel sheets All sets are supplied in a sturdy practical plastic case.

Ø mm	12.7	15.2	16.2	18.6	19.0	20.4	22.5	25.4	28.3	30.5	31.7	32.5	34.6	37.0	38.0	40.5	43.2	47.0	49.6	50.5	54.0	60.0	61.5	63.5
Ø metric	M12	-	M 16	-	-	M 20	-	M 25	-	-	-	M 32	-	-	-	M 40	-	-	-	M 50	-	-	-	M 63
Ø PG	7	9	-	11	-	13	16	-	21	-	-	-	-	29	-	-	-	36	-	-	42	48	-	-
Ø inches	1/2"	-	-	-	3/4"	-	7/8"	1"	-	1-7/32"	1-1/4"	-	-	-	1-1/2"	-	1-11/16"	-	1-15/16"	-	2-1/8"	-	2-3/8"	2-1/2"
	0.5	0.598	0.638	0.732	0.748	0.803	0.886	1.0	1.114	1.201	1.248	1.280	1.362	1.457	1.496	1.594	1.701	1.850	1.953	1.988	2.126	2.362	2.421	2.5
Ø Conduit	-	-	-	-	-	-	1/2"	-	3/4"	-	-	-	1"	-	-	-	1 1/4"	-	1 1/2"	-	-	-	2"	-
Prod.-No.																								
01566							•		•				•				•		•				•	
01567	•				•			•			•				•					•				



FormCut die-cutting sets - square

Dimension mm	Max. steel thickness s mm (S235)		Pilot
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FormCut® die - square - for steel (S235)

						model			
12.7 x 12.7	1.75	•	•	10	01300	01348	01355		
15.8 x 15.8	1.75	•	•	10	01301				
19.0 x 19.0	2.0	•	•	14	01302			01352	01353
21.3 x 21.3	2.0	•	•	14	01371	01347	01351		
22.2 x 22.2	2.0	•	•	14	01303				
24.0 x 24.0	2.0	•	•	14	01331				
25.4 x 25.4	2.0	•	•	17	01304	01360		01359	01361
45.5 x 45.5	3.0		•	20	01313				
46.0 x 46.0	3.0		•	20	01305	01345	01350		
50.8 x 50.8	3.0		•	24	01306	01344			
68.0 x 68.0	3.0		•	24	01308		01349		
92.0 x 92.0	3.0		•	30	01309				
105.0 x 105.0	3.0		•	30	01310	01343	01419		
125.0 x 125.0	3.0		•	30	01431		01356		
138.0 x 138.0	2.5		•	30	01311				

FormCut® - square - for hard steel (S235)

46.0 x 46.0	3.0		•	20	01448	01345	01350		
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FormCut die-cutting sets - rectangle

Dimension mm	Max. steel thickness s mm (S235)		Pilot
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FormCut® die - rectangle - for steel (S235)

						model			
11.1 x 22.2	2.0		•	•	10	01372	01348	01355	
17.0 x 19.0	2.0		•	•	14	01317			
19.1 x 29.0	2.0		•	•	14	01373	01347		01352
19.1 x 33.0	2.0		•	•	14	01374			
21.8 x 25.8	2.0		•	•	17	01318			
22.0 x 30.0	2.0		•	•	17	01319			
22.0 x 42.0	2.0		•	•	17	01320			
22.0 x 45.0	2.0		•	•	17	01434			
22.2 x 45.0	2.0		•	•	17	01375	01360		01359
25.0 x 50.0	2.0		•	•	17	01332			
25.1 x 29.0	2.0		•	•	17	01376		01418	
31.7 x 34.9	2.0		•	•	17	01377		01351	
33.3 x 66.7	2.5		•	•	20	01378		01354	
45.0 x 92.0	2.5		•	•	24	01314	01345	01350	
46.0 x 92.0	2.5		•	•	24	01329	01344	01349	
68.0 x 138.0	3.0		•	•	30	01330	01343	01358	

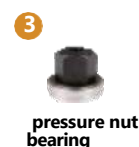
FormCut® die - rectangle - for hard steel (S235)

24.0 x 43.0	2.0		•	•	17	01436	01360	01351	01359	01361
24.0 x 65.0	2.0		•	•	17	01437				
24.0 x 86.0	2.0		•	•	20	01440	01345	01350		
24.0 x 112.0	2.0		•	•	20	01441		01357		
36.0 x 52.0	2.5	6-field		•	24	01325				
36.0 x 65.0	2.5	10-field		•	24	01326		01350		
36.0 x 86.0	2.5	16-field		•	24	01327				
36.0 x 91.0	2.5			•	24	01323	01344	01349		
36.0 x 112.0	2.0	24-field		•	24	01328		01357		
46.0 x 86.0	2.5			•	24	01322				
46.0 x 112.0	3.0			•	30	01324	01343	01349		
57.2 x 88.9	2.5			•	30	01379	01344	01350		
66.0 x 112.0	3.0			•	30	01435	01343	01358		



FormCut+ square die-cutting sets

Dimens mm ion	Max. steel thickne ss mm (S235)		Pilot
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FormCut+® - square - for stainless steel

					model				
12.7 x 12.7	1.25	●	●	10	013001	01348	01355	01352	01353
15.8 x 15.8	1.25	●	●	10	013011				
19.0 x 19.0	1.5	●	●	14	013021				
21.3 x 21.3	2.0	●	●	14	013711	01347	01351		
22.2 x 22.2	2.0	●	●	14	013031				
24.0 x 24.0	2.0	●	●	14	013311				
25.4 x 25.4	2.0	●	●	17	013041	01360		01359	01361
45.5 x 45.5	2.5		●	20	013131	01345	01350		
46.0 x 46.0	2.5		●	20	013051				
50.8 x 50.8	2.5		●	24	013061	01344			
68.0 x 68.0	2.5		●	24	013081				
92.0 x 92.0	2.5		●	30	013091				
105.0 x 105.0	2.0		●	30	013101	01343	01419		
125.0 x 125.0	2.0		●	30	014311				
138.0 x 138.0	2.0		●	30	013111		01356		

FormCut+® - square - for hard steel (S235) and stainless steel

46.0 x 46.0	2.0	•	•	20	014481	01345	01350		
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FormCut+ die-cutting sets - rectangle

Dimension mm	Max. steel thickne s mm (S235)		Pilot
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FormCut+® - rectangle - for stainless steel

						model						
11.1 x 22.2	1.5		•	•	10	013721	01348	01355	01352	01353		
17.0 x 19.0	2.0		•	•	14	013171	01347	01351			01359	01361
19.1 x 29.0	2.0		•	•	14	013731						
19.1 x 33.0	2.0		•	•	14	013741						
21.8 x 25.8	2.0		•	•	17	013181	01360		01418	01359		
22.0 x 30.0	2.0		•	•	17	013191						
22.0 x 42.0	2.0		•	•	17	013201						
22.2 x 45.0	2.0		•	•	17	013751						
25.0 x 50.0	2.0		•	•	17	013321		01351				
25.1 x 29.0	2.0		•	•	17	013761		01354				
31.7 x 34.9	2.0		•	•	17	013771	01345	01350				
33.3 x 66.7	2.0			•	20	013781		01344	01349			
45.0 x 92.0	2.0			•	24	013141			01350			
46.0 x 92.0	2.0			•	24	013291						
57.2 x 88.9	2.0			•	24	013791						
68.0 x 138.0	2.0			•	30	013301	01343	01358				

FormCut+® - rectangle - for hard steel (S235) and stainless steel

36.0 x 52.0	2.0	6-field	•	24	013251	01344	01350		
36.0 x 65.0	2.0	10-field	•	24	013261				
36.0 x 86.0	2.0	16-field	•	24	013271				
36.0 x 91.0	2.0		•	24	013231	01343	01357		
36.0 x 112.0	2.0	24-field	•	24	013281				
46.0 x 86.0	2.0		•	24	013221		01349		
46.0 x 112.0	2.0		•	30	013241	01343			



G31 Hydraulic head for punching holes in conductor rails



Type "C" head
Weight 13.0 kg
Scope of work: hole punching - punches supplied 10.5 , 13.5 , 17.5 , 20.5 mm
Max material thickness 10 mm
Operating pressure 700 bar
Pressure 305 kN
Oil capacity required 82 cc Stick depth 70 mm
Biodegradable oil
Operating range -20 to +40 degrees C
Height 360 mm
Construction: Forged steel (greater strength)
Carrying handle
Base for easy positioning

G32 Hydraulic head for punching holes in conductor rails



Type "H" head
Weight 27.0 kg
Scope of work: hole punching
punches supplied 10.5 , 13.8 , 17.5 , 20.5 mm
Max material thickness 12 mm
Clearance width 75 mm
Operating pressure 700 bar
Pressure 350 kN
Dimensions 350x245x110 mm

E31 Cordless punching tool



Type C head
Weight 10 kg
Operating range ;
Head depth : 25 mm
Thickness Al. 6.5 mm
Thickness Cu 6.5 mm
Thickness of steel angle bar 6 mm
Blanks: 10.5 mm , 13.5 mm , 17.5 mm

Operating pressure 700 bar
Pressure of 120 kN
360 degree rotatable head
Biodegradable oil
Height 360 / 405 mm with acmulator
Punching time 2.5-6 sec Makita Li-Ion
18.0 V 5.0 Ah battery
Battery charging fast 30 min / stand.60 min

Set contains: punching machine, charger, battery, carrying case, instruction manual

G10 Mechanical punching tool for punching holes in cooper, conductor rails, angle irons ST



Type C head
Weight G10 - 16.0 kg
Operating range
Apertures 13 mm,15 mm,17 mm,19 mm,21 mm
Punching thickness :- 10 mm
Head depth - 65 mm



G42 Hydraulic head for bending busbars



Bending head for busbars
Weight 29 kg
Scope of work :
Bending of 150 mm wide rails
Max material thickness 10 mm
Max. bending angle 45 st
Operating pressure 700 bar
Pressure 250 kN
Design: Tool steel Delivery in steel box

G52 Hydraulic track cutting head



Bus bar cutting head
Weight 31 kg
Scope of work :
Cutting of 150 mm wide rails
Max material thickness 12 mm
Operating pressure 700 bar
Pressure of 250 kN
Construction: Tool steel
Vertical plunger for easy cutting of rails
Delivery in steel box

G59 Hydraulic head for angle cutting



Model G59/1
Cat head Weight 19.0 kg
Scope of work :
Cutting Cat 75x75x8 mm
Working pressure 700 bar
Pressure 230 kN
Biodegradable oil
Operating range -20 to +40 degrees C

Compatible with single-circuit pumps Type: tool steel
Vertical plunger for easy catches



Model G59/2
Cat head Weight 41.0 kg
Scope of work :
Cutting catches 110x110x10 mm
Operating pressure 700 bar
Pressure 310 kN
Biodegradable oil
Operating range -20 to +40 degrees C Compatible with
single-circuit pumps Type: tool steel
Vertical plunger for easy catches





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Li-Ion batteries for the E series



Lithium-ion (Li-Ion) battery Compatible with existing fast chargers Charging time: approx. 22 min
Optimal computer-controlled charging Compatible with E-series tools

Cooling system for maximum battery life
Battery protection system Voltage: 18 V
Cell technology: Li-Ion

E18/2
E18/3
E18/5
E18/6

Battery 18.0 V 2.0 Ah -standard for MINI tools
Battery 18.0 V 3.0 Ah
Rechargeable 18.0 V 5.0 Ah -standard for E Series tools
Rechargeable 18.0 V 6.0 Ah

Adapters for the E series

**NOWY
produkt**



Milwaukee battery adapter Allows the connection of Milwaukee batteries Milewauke for the entire range of cordless tools
In place of the Makita battery as standard

Makita = **Milwaukee**



Mains adapter for E Series tools Allows connection to 230V mains and tool operation from mains power

E18/2

Mains adapter 230 V 50Hz

Mains charger for E series



Smart charger - what sets it apart from chargers from other brands.
This equipment constantly communicates with the battery during charging, thus using the stored data in its memory.
The charger processor processes the data itself from the battery memory, thanks to which it can adjust the temperature and applied voltage.
This charger has a built-in fan to keep the battery cool during charging.
Power supply 230V
Charging time: approx. 22 min
(dependent on battery capacity and condition)
Battery capacities: 1.3 - 5 Ah
Quick charge: the 18V 3.0Ah Li-Ion battery is charged in approximately 22 minutes

E18/1

Charger



HP1 Manual pump for hydraulic heads



Hydraulic pump with manual drive Aluminium-steel construction
Weight 9 kg
Operating pressure 700 bar
Two-speed system (idle, high pressure)
Biodegradable oil
High pressure 1.4 cc , low pressure 11.0 cc
Biodegradable oil
Operating range -20 to +40 degrees C
Standard set :
Hand pump
High-pressure hose 1.5 m.
Packaging : Steel box

HP3 Foot pump for hydraulic heads



Hydraulic pump with foot pedal
Aluminium and steel construction
Weight 8.6 kg
Operating pressure 700 bar
Two-speed system (idle, high pressure)
Biodegradable oil
Operating range -20 to +55 degrees C

Manual and automatic piston return
Rapid piston return
Easy access to the oil tank is by means of an oil top-up filler.
High pressure 2.26 cc , low pressure 12.26 cc
Biodegradable oil
Operating range -20 to +40 degrees C
Standard set :
Foot pump
High-pressure hose 1.5 m.
Packaging : Steel box

HP4 Rechargeable pistol pump



Battery hydraulic pump Weight 4.0 kg
Operating pressure 700 bar
Biodegradable oil
Operating range -20 to +40 degrees C

Height 440x70x280 mm

Power supply :
Makita Li-Ion 18.0 V, 5.0 Ah battery charger with active cooling system:
cools down the battery during charging thanks to the built-in fan
Battery type: Lithium Ion/Li-Ion
Battery capacities: 1.3-5.0 (5.0 Ah battery standard)
Charging time: approx. 22 min
Charger supply 230 V Automatic
pressure fuse Manual/automatic piston return
LED lighting of the work area (Night mode)
Two-stage pump (idle, high pressure)
Composite handle
Handle for attaching to belt or suspension



HP6 Cordless hydraulic pump



HP6 rechargeable hydraulic pump

Weight 5.9 kg
Operating pressure 700 bar
Two-speed system (idle, high pressure)
Biodegradable oil
Operating range -20 to +55 degrees C

Manual and automatic piston return
Rapid piston return
Power 490 W
Dimensions 338x 172 x 266 mm
Construction : carrying handle , strap , backpack
Housing : impact-resistant composite Pilot on 1.5 m cable. - START-STOP
Bluetooth remote control up to 25 m. (option)
Rechargeable lithium-ion battery Makita 18V , 5.0 Ah
Charge indicator on battery
Error signalling
Display on the side of the pump - LED
Current and set maximum pressure visible on the display

Standard set :

Battery pump
Makita Li-Ion 18.0 V 5.0 Ah battery - 1 pc Makita charger
High-pressure hose 1.5 m.
Remote control on cable
Shoulder strap, backpack , suitcase

Option:

Mains adapter 230V E18
Bluetooth remote control Additional batteries
Milwaukee battery adapter

hydraulic hose
1.5 m. included

remote control on
cable
(standard)

bluetooth remote
control
(optional)

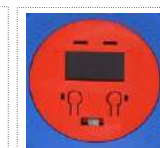
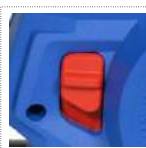
swivel entrance
hydraulic

manual trigger
pressures

start/stop
in the handle

battery
LED

DisplayPowerful
Makita 5.0 Ah





HP8 rechargeable hydraulic pump



HP8 rechargeable hydraulic pump

Weight 7.7 kg
Operating pressure 700 bar
Two-speed system (idle, high pressure)
Biodegradable oil
Operating range -20 to +55 degrees C
Manual and automatic piston return
Rapid piston return Electronic pressure sensor Service software
Capacity - low pressure 100 bar - 1.2 l/min
Capacity - high pressure 700 bar - 0.2 l/min
Power 200 W
Dimensions 480 x 250 x 250 mm
Construction : carrying handle , shoulder strap Housing : impact-resistant composite Pilot on 1.5 m
START-STOP , LED indicator
Possibility of attaching the remote control to the pump, to the belt or via a magnet to the head
Lithium-ion battery 18V , 3.0 Ah Charge indicator on battery Error indication
Display on top of the pump
Current and set maximum pressure visible on the display
Possibility to read all cycles via USB



Standard set :

Battery pump
Rechargeable Li-Ion 18.0 V 3.0 Ah
battery - 1 pc Battery charger
High-pressure hose 1.5 m. Pilot
Shoulder strap , USB cable , Nylon bag

Option:

Mains adapter 230 E18



Nylon bag



Charger



Rechargeable battery



Remote control



Hydraulic hose
1,5 m.



Network adapter
(optional)



HP13 Electric hydraulic pump - single circuit



Electric hydraulic pump model HP13
Electric motor 0,37 kW
230 V motor
Flow rate 0.32 - 3.31 l/min
Max hydraulic oil pressure 700 bar
Oil tank capacity 3.8 litres
Weight 15.4 kg
Dimensions 368x309x373
Release valve - manual

oil circulation	pressure	weight
-----------------	----------	--------

HP13/1	release valve - manual	single	700 bar	15,4
--------	------------------------	--------	---------	------



Electric hydraulic pump model HP13
Electric motor 0,37 kW 230 V motor
Flow rate 0.32 - 3.31 l/min
Max hydraulic oil pressure 700 bar
Oil tank capacity 3.8 litres
Weight 17.5 kg
Dimensions 368x309x373
Release valve - solenoid

oil	pressure	weig
-----	----------	------

HP13/2	release valve - solenoid	single	700 bar	17,5
--------	--------------------------	--------	---------	------

HP14 Electric hydraulic pump - double hydraulic circuit



Electric hydraulic pump model HP14
Electric motor 0,37 kW
230 V motor
Flow rate 0.32 - 3.31 l/min
Max hydraulic oil pressure 700 bar
Oil tank capacity 3.8 litres
Weight 18.6 kg
Dimensions 368x309x373
Release valve - manual

pressure	weight
----------	--------

HP14	release valve - manual	double circulation	700 bar	18,6
------	------------------------	--------------------	---------	------



HP15 Hydro motor pump - dual circuit - dedicated to G27 head



Model **HP 15** diesel hydraulic pump
4.3 hp petrol engine
Four-stroke engine
Flow rate 1.5 - 6.0 l/min
Max hydraulic oil pressure 700 bar

Oil tank capacity 16 litres

Weight : 53 kg with oil filled
Dimensions 640x380x480 mm

For press heads with dual hydraulic circuit
(supply - return) model G27 , G29

HP15

release valve - manual

double

700 bar

53,0 kg

CM8000 Hydraulic dual-circuit pump - dedicated for P8120 head.



Model **HP 16** diesel hydraulic pump
4.3 hp petrol engine - Honda
Four-stroke engine Flow rate 1.5 - 9.0 l/min
Max hydraulic oil pressure 700 bar

Oil tank capacity 10 litres

Weight : 55 kg with oil filled
Dimensions 380x500x620,mm

Feeds press heads with dual hydraulic circuit
(supply - return)

Optional - transport box
Weight of box+pump set 82 kg

CM8000

release valve - manual

double

700 bar

55,0 kg

CM8000EF Electric hydraulic pump - dual circuit - dedicated to P8120 head



Electric hydraulic pump model **CM 8000EF**

Electric motor 2.2 kW
Flow rate 1.8 l/min
Max hydraulic oil pressure 700 bar

Oil tank capacity 10 litres

Weight : 40 kg
Dimensions 400x500x630 mm

Feeds press heads with dual hydraulic circuit
(supply - return)

Optional transport box

CM8000EF

release valve - manual

double

700 bar

40,0



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Stripping tools

Assembling knives
Insulation stripping
Barking machines

electrasklep.pl
electrapolska.com





Assembler's knife



length

S05

Assembler's knife for electricians straight blade 85 mm



length

S06

Assembler's knife for electricians curved blade 75 mm



length

S07

Assembler's knife for electricians straight blade 180 mm



length

S08

Assembler's knife for electricians curved blade 155 mm



length

S09

Scissors for electricians

160 mm

Pliers for cutting and stripping the outer sheath of cables



Model S18

Pliers for cutting and stripping cable sheaths

Cable range up to 30 mm

Suitable for stripping all types of external coatings to a depth of 5 mm

Suitable for both peripheral and lengthwise cable sheath cutting Replaceable blade

Metal construction



Knife for stripping outer sheath - cables and fibre optics



S09/1

S09/2

Model S09

Knife for stripping the outer sheath

Stripping of outer sheath from LV cables Model **S09/1**
working range: 6-28 mm - conductors Model **S09/2**
working range: 6-25 mm - optical fibre

Lengthwise and circumferential cuts
For working on both ends and in the middle of the cable Pulling off the sheath without damaging the base layer

Knife for stripping the outer sheath



Model S10

Knife for stripping the outer sheath

Removal of outer sheath from medium and low voltage cables
Working range : > 25 mm
Insulation thickness : 0-5 mm
Cutting lengthwise and circumferentially (also with armoring) For working on the ends as well as in the middle of the cable Pulling off the sheath without damaging the backing layer with a blade with a shoe PVC and rubber coatings

*delivery version black or blue

External stripping tools



Model S19

Technical characteristics:
Working range: 24-60 mm
Insulation thickness 0-5 mm
Application : Polyethylene / lead armour

For outer sheath of LV and MV conductors
Circular and spiral cutting
Operates by rotating around the axis of the cable For use on both ends of the cable Replaceable blade
Dimensions 234 mm x 70 mm
Weight 900 gr

Set composition :
S19 stripping machine Insulation cutter
Soft case



Roller pliers for stripping the outer shell



Model S21

Roller pliers for stripping outer sheath Working range Ø 16-54 mm
Insulation thickness 0.5-5 mm
Cutting along and around the circumference of the cable
For working on both the ends and the length of the cable Grip from the front to remove the cut sheath
Rotation of 100° allows a complete cut around the circumference of 360°
Cutting in both directions facilitated by ratchet knob
Insulated replaceable blades
Two-component handle according to CEI/EN60900 standards
Apart from the blades, the tool is fully insulated
Designed for high density polyethylene coating
Dimensions 390 x 330 x 90 mm
Weight 2.0 kg



Model S21/1

Ratchet for advancing the pliers on the cable



Case set of sheath stripping pliers



SET 21 Set of ring pliers for stripping the outer shell

Roller pliers for stripping outer sheath Working range Ø 16-54 mm
Insulation thickness 0.5-5 mm
Other parameters as above

Set equipment : S21

Roller pliers S21/1
Ratchet S21/2 Spare screws
Spacer disc set Arbor spanner
Plastic cassette

Weight of set 1.95 kg
Dimensions : case 390x330x90



Universal stripping tool for armoured cables



Model S20

Technical characteristics:

Working range : 16-54 mm

Insulation thickness 0-5 mm

Application : Polyethylene / aluminium outer shell.

- For stripping the outer sheath with aluminium armour, nn, sn
- Longitudinal and circumferential cuts
- Additional claw for extraction of hard coating
- Initial adjustment to the appropriate cable diameter is made by adjusting the knob.
- Attachment of the tool to the cable is automatic when the lever is tightened
- Cutting depth adjustable in 0.1 mm increments
- Switching between lengthwise and peripheral cutting
- Maximum diameter of tool rotation: 300 mm

Kit composition:

Insulation stripping tool

Ratchet knob Soft nylon case

Can be purchased individually: S20/1 - Stripping tool

S20/4 - Ratchet



Stripping of insulation from AsXSn conductors



Model S17

Technical characteristics:

Working range : 6-150 mm²

Insulation thickness - exchangeable heads

Application : ASXs cables

For use with voltages up to 1000V AC and 1500V DC.
Stripping length adjustment built into the handle
Insulated handle with quick head assembly Stripping length adjustable from 20 to 80mm A scale inside the handle shows the set stripping length
Interchangeable blades

SET17 composition

Insulated handle S17

Heads: 16mm², 25mm², 35mm², 50mm², 54.6mm², 70mm² 3 spare blades

Allen spanner 2.5mm

Durable plastic box

Single items available

S17 Head holder S17/1

Head 6mm² S17/2 Head

10mm² **S17/3 Head**

16mm² **S17/4 Head**

25mm² **S17/5 Head**

35mm² **S17/6 Head**

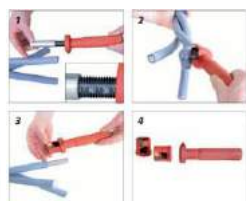
50mm² **S17/54 Head**

54.6mm² **S17/7 Head**

70mm² **S17/8 Head**

95mm² **S17/9 Head**

150mm²





Barking machine for semi-conductive screen

Model S23

Debarking machine for removing the vulcanised screen from the insulation of the primary conductor of MV cables
Dedicated to medium voltage cables Cable diameters 32-54 mm
Interchangeable blades
Adjustable stripping depth 0-1.5 mm Weight of tool: 0.8 kg

No need to work with silicone paste



Barking machine for semi-conductive screen

Model S23/1

Debarking machine for removing the vulcanised screen from the insulation of the primary conductor of MV cables
Dedicated to medium voltage cables Cable diameters 10-52 mm
Interchangeable blades
Adjustable stripping depth 0-1.5 mm Weight of tool: 0.8 kg

Requires work with silicone paste



Barking machine for semi-conductive screen

**NOWY
produkt**

Model S23/2

Debarking machine for removing the vulcanised screen from the insulation of the primary conductor of MV cables
Dedicated to medium voltage cables Cable diameters 16-58 mm
Interchangeable blades
Adjustable screen stripping depth 0-1.5 mm Weight of tool: 0.6 kg

No need to work with silicone paste





Barking machine for semi-conductive screen



Model S24/40

Cable debarker for the removal of semi-conductive composite screen with XLPE cross-linked polyethylene insulation Dedicated to medium voltage cables in the range 20-40 mm
Interchangeable blades
Adjustment of screen depth 0-3 mm

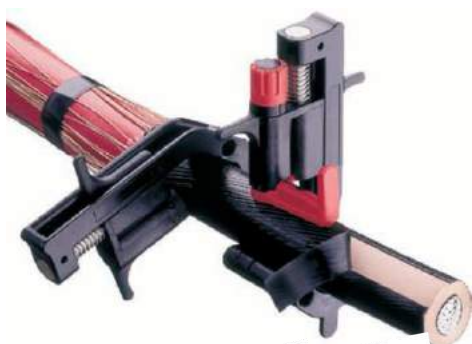
Barking machine for semi-conductive screen



Model S24/65

Cable debarker for the removal of semi-conductive composite screen with XLPE cross-linked polyethylene insulation Dedicated to medium voltage cables in the range 35-65 mm
Interchangeable blades
Adjustment of screen depth 0-3 mm

Unvulcanised semiconductor screen removal tools



Model S22

Removal of unvulcanised screen Technical characteristics:
Application range : 16-41 mm
Insulation thickness : 0-2 mm
Suggested applications: non-vulcanised semi-conductive screen

- For removal of unvulcanised screen from sn cables
- Longitudinal, circumferential and helical cuts
- Clamp to limit the length of screen removal
- Stepwise depth adjustment
- Turning space requirement of only 130 mm
- Tool and cable stop clamp pressure by spring
- Incision depth adjustable from 0 to 0.9mm in 0.1mm increments
- Longitudinal and circumferential cut

Kit composition:

- Screen stripping tool
- Restraint clamp



Main stripping sockets



Model S30

Main stripping sockets Technical characteristics:

Operating range : 25-240 mm²

Insulation thickness : Replaceable heads

Application : All types of basic insulation

Technical characteristics:

- Suitable for MV cables 10/11kV or 20/22kV
- Stripping length adjustable from 20 to 100 mm
- Scale marked on the handle
- Quick head assembly
- Cutting in the direction indicated by the arrow
- Interchangeable blade

S30 Universal handle

Available heads for MV cables (standard)

S30/25 - 25 mm² head

S30/35 - 35 mm² head

S30/50 - 50 mm² head

S30/70- 70 mm² head

S30/95 - 95 mm² head

S30/120 - 120 mm² head

S30/150 - 150 mm² head

S30/185 - 185 mm² head

S30/240 - 240 mm² head

Case set of main stripping sockets



Model SET 30

S 30 SET equipment :

S 30 socket handle

S 30/25-S 30/240 Nuts in the range 25-240 mm² (9 pcs)

Weight of set 1.7 kg

Dimensions: case 330 x 290 x 75

Model SET 30 AV

S 30 SET AV equipment :

S 30 socket handle

S 30/25-S 30/240 Sockets from 25-240 mm² (9 pcs)

S 10 - Roller blade for stripping the outer sheath

Weight of set 1.9 kg

Dimensions: case 330 x 290 x 75



Barking machine for main insulation



Model S28

Stripping machine for stripping the main insulation of medium voltage cables
Cable diameters 15-54 mm
Interchangeable blades
Adjustable stripping depth 0-12 mm Max. stripping length 220 mm
Tool weight : 1.0 kg



Barking machine for main insulation



Model S29/40

Main stripping machine Dedicated to medium voltage cables in the 20-40 mm range
Interchangeable blades
Adjustment of screen pull down to a depth of 0-10 mm

Model S29/65

Main stripping machine Dedicated to medium voltage cables in the range 35-65 mm
Interchangeable blades
Adjustment of screen depth 0-15 mm

Cable debarker for 110 kV / 220 kV cables



Model S110

Barking machine for stripping semi-conductive screen composite with XLPE cross-linked polyethylene insulation and main insulation in 110 kV cables
Replaceable blades
Working range 35-90 mm Weight 2.45
Dimensions 500x135x75



Model S220

Barking machine for stripping semi-conductive screen composite with XLPE cross-linked polyethylene insulation and main insulation in 220 kV cables
Replaceable blades
Working range 90-150 mm Weight 4.45



Tools for the AFL aluminium jacket stripping process (ACSR) Mechanical process
Suitable sockets enable precise selection of the clamp on the phase conductor

Aluminium sheath cutting set for AFL cable



Model TR01

Tool kit for cutting and separating aluminium jacketing from the core on AFL cables

The kit includes: a holding handle , a cutting handle suitable for cutting the sheath along the perimeter Metal construction

Optional insoles

- TR01/120** - insert for AFL 6-120 cable
- TR01/150** - insert for AFL 6-150 cable
- TR01/185** - insert for AFL 6-185 cable
- TR01/240** - insert for AFL 6-240 cable
- TR01/300** - insert for AFL 6-300 cable
- TR01/350** - insert for AFL 8-350 cable
- TR01/400** - insert for AFL 8-400 cable
- TR01/525** - insert for AFL 8-525 cable

Please specify the exact diameter of the hose when ordering. We will manufacture sockets for your specific cable diameter.

Aluminium sheath cutting set for AFL cable



Model S11

Tool kit for cutting and separating aluminium jacketing from the core on AFL cables

The kit includes: a holding handle , a cutting handle suitable for cutting the sheath along the perimeter Metal construction

Optional insoles

- S11/120** - insert for AFL 6-120 cable
- S11/150** - insert for AFL 6-150 cable
- S11/185** - insert for AFL 6-185 cable
- S11/240** - insert for AFL 6-240 cable
- S11/300** - insert for AFL 6-300 cable
- S11/350** - insert for AFL 8-350 cable
- S11/400** - insert for AFL 8-400 cable
- S11/525** - insert for AFL 8-525 cable



Chamfering tool for primary insulation of 10 kV cables



Model S25

Chamfering tool for primary insulation of 10 kV cables

Working range : XLPE 18-32 mm

Application : All types of basic insulation

Technical characteristics:

- For chamfering the end of primary insulation of MV cables 3 x 45°
- Pressure positioning on the cable
- Optimum cable feed without the use of silicone paste
- Interchangeable blade
- Space required for rotation only 200 mm
- Chamfers only the edge (does not give a "pencil" shape)

Basic insulation chamfering tool for 35 kV cables



Model S26

Basic insulation chamfering tool for 35 kV cables

Working range : XLPE 32-54 mm

Application : All types of basic insulation

Technical characteristics:

- For chamfering the end of primary insulation of MV cables 3 x 45°
- Pressure positioning on the cable
- Optimum cable feed without the use of silicone paste
- Interchangeable blade
- Space required for rotation only 200 mm
- Chamfers only the edge (does not give a "pencil" shape)

Basic insulation chamfering tool for 35 kV cables



Model S27

Basic insulation chamfering tool for 35 kV cables

Working range : 15-60 mm

Application : All types of basic insulation

Technical characteristics:

- For chamfering the end of primary insulation of MV cables 3 x 45°
- Pressure positioning on the cable
- Optimum cable feed without the use of silicone paste
- Interchangeable blade
- Space required for rotation only 200 mm
- Chamfers only the edge (does not give a "pencil" shape)

Sharpeners



S31 sharpeners are designed to make a cone on the insulation of all types of MV cables

S31/70 - for 70 mm cable section **S31/95** - for 95

mm cable section **S31/120** - for 120 mm cable

section **S31/150** - for 150 mm cable section

S31/185 - for 185 mm cable section **S31/240** - for

240 mm cable section **S31/300** - for 300 mm cable

section

S31 SET - contains all 7 scopes 70-300 mm arranged in a case



Screening and primary insulation corrosion kits



Model SET20

Barking set :

S29/40 Core stripping machine for medium-voltage cables in the range 20-40 mm Adjustable stripping depth 0-10 mm S24/40 Semi-conductive screen stripping machine combined with insulation XLPE cross-linked polyethylene in the range 20-40 mm Adjustment of screen depth 0-3 mm

Model SET65

Barking set :

S29/65 Core stripping machine for medium voltage cables from 35-65 mm Adjustable stripping depth 0-15mm S24/65 Core stripping machine for semi-conductive screen bonded to insulation XLPE cross-linked polyethylene in the range 35-65 mm Adjustable screen depth 0-3 mm

MV cable stripping tool kit



Model SET 45

MV cable stripping tool kit For stripping outer sheaths, semiconductor screens and insulation basic of 10 / 20 / 30 kV cables. The kit includes :

S 21 Circle pliers
S 23 Screen debarker
S 10 Roller blade for stripping the outer sheath
S 30 socket handle **S 30/4** socket 70 mm, **S 30/8** socket 185 mm,
Ratchet
Scissors
Mounting knife

Weight of set 1.95 kg
Dimensions : case 390x330x90

MV cable stripping tool kit



Model SET 41

MV cable stripping tool kit For stripping outer sheaths, semiconductor screens and insulation basic of 10 / 20 / 30 kV cables. The kit includes :

S 28 Main insulation blanking machine
S 23 Screen debarker
S 10 Roller blade for stripping the outer sheath
S 30 Handle for socket (accessory)
S 30/ ... space for 4 sockets additional accessories scissors
Assembler's knife

Weight of set 1.95 kg
Dimensions : case 390x330x90



MV cable stripping tool kit



Model SET 42

MV cable stripping tool kit For stripping outer sheaths, semiconductor screens and insulation basic of 10 / 20 / 30 kV cables. The

kit includes :

- **S 28** Main insulation blanking machine
- **S 23** Screen debarker
- **S 21** Roller pliers for stripping outer shells
- **S21/1** Ratchet
- Set of spacer discs
- Silicone paste

Weight of set 4.0 kg

Dimensions : case

390x330x90

MV cable stripping tool kit



Model SET 43

MV cable stripping tool kit For stripping outer sheaths, semiconductor screens and insulation basic of 10 / 20 / 30 kV cables. The

kit includes

- **S20** stripping tool
- **S21/4** Ratchet knob
- **S10** stripping tool
- **S23/1** screen removal tool
- **S28** basic stripping tool
- **S27** - Basic insulation chamfering tool
- Tube of silicone paste
- Durable plastic box

Weight of set 3.4 kg Case

dimensions 390x340x100

Stripping tool kit



Model SET 44

Cable stripping tool kit with air cushion

Designed for the complete isolation of individual sheaths from air cushion cables. The kit includes

- **S20** stripping tool
- **S21/4** Ratchet knob
- **S10** stripping tool
- **S23/1** screen removal tool
- **S30** head holder
- **S30/14** Special head 70mm²
- **S30/18** Special head 185mm²
- 3 replacement blades for S30 heads
- Multi-purpose knife with blade guard
- 3 spare blades for the knife
- Scissors for the electrician
- Coating stripping tool
- Tube of silicone paste
- 2.5mm allen spanner

• Durable plastic case Weight

of set 3.2 kg Case dimensions
390x340x100



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Overhead line construction equipment

Presses for electrical connections and traction hangers
Rope and cable cutting Djp
Tension holders
Conductor and cable reels
Grounding kits

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electrapolska.com



Mechanical eyelet press model with rotating dies



Model P05

Mechanical press rotating dies

Weight 1.4 kg

Working range : 6-50 ^{mm²}

Pressure 14 kN

Height 390 mm

Model P06

Mechanical press with rotating dies

Working range 10-120 ^{mm²}

Pressure 14 kN

Height 600 mm

Model P07

Mechanical press with rotating dies

Working range 25-150 ^{mm²}

Pressure 14 kN

Height 600 mm

Model P08

Mechanical press with rotating dies

Working range 70-240 ^{mm²}

Pressure 14 kN

Height 600 mm

* yellow

Traction hanger press model P82



Two-handed lever mechanism Copper cord connection

Material : Tool steel

Model P82 with fixed handles ,
Composite handles

Approach from the front of the prairie

Three notches in one press

Connection in accordance with the railway catalogue

Weight 2.05 kg

Length 560 mm Handle

width 140 mm

Handle width when opened 840 mm



E28/E82 Electro-hydraulic press for traction hangers



Electro-hydraulic press for traction hangers Type C head

Weight 2.7 kg
Piston stroke 15 mm

Operating range
Pressing 2-5 seconds
Operating pressure 700 bar
Pressure 40 kN
360 degree rotatable head
Biodegradable oil
Operating range -20 to +40 degrees C

Height 90x50x37 mm

Power supply :

Makita Li-Ion 18.0 V, 1.5 Ah battery charger with active cooling system:
cools down the battery during charging thanks to the built-in fan
Battery type: Lithium Ion/Li-Ion
Battery capacities: 1.5-5.0 (1.5 Ah standard battery)
Charging time: approx. 22 min
Charger supply 230 V

LED indication of battery charge status LED panel with battery data and number of pressings Automatic pressure fuse
Manual / automatic piston return Stop scissor operation / piston return - immediate
Optional workplace illumination (Night mode) Two-stage pump (idle, high pressure) Composite handle
Handle for attaching to belt or suspension

The set includes :

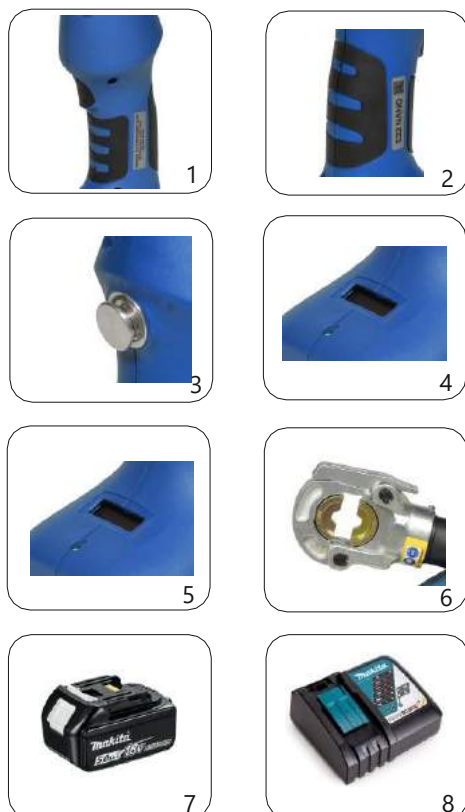
E28 cordless drill press Makita
charger
Rechargeable battery E18/2.0 - capacity 2.0 Ah , Plastic carrying case
Operating instructions

Options :

Additional battery
Choice of matrix

Description of photographs

1. Handy handle to hold the tool
2. Composite handle
3. Metal piston return button
4. Display with battery status and number of pressings performed
5. Night mode - workplace lighting standard
6. Clip-on swivel head





Hangar wire, cable and wire cutters



Hand shears for cutting Cu-wires and cables
hangar wire and aluminium cables . Crane
cutting allows easy cutting Single-handed shears
Single (C03) double (C05) cutting blade Not suitable for
cutting steel wire

weight	length	Ø	mm ²
--------	--------	---	-----------------

C03/1	rubber handle	215 g	165 mm	15	50
C03/2	composite handle	250 g	165 mm	15	50
C05/1	rubber handle	283 g	200 mm	20	70
C05/2	composite handle	324 g	200 mm	20	70

Cable and wire cutters with ratchet system



Cu rope



Hand shears for cutting Al and Cu cables and wires
Cutting with ratchet system .

Step by step allows for easy cutting of thick cables .
One-hand shears

Made of high quality chrome vanadium steel ,
blackened with rust protection .

Hardened handles finished with comfortable
extended handles for better grip in the hand .

Precision hardened blades

Possibility to open the blade at any stage of cutting.
Blades lockable on cable or wire

weight	length	Ø	mm ²
--------	--------	---	-----------------

C37	800 gr	297 mm	62	400
C34	600 gr	261 mm	34	300

Cable and wire cutters with ratchet system



Cu rope



Hand shears for cutting Al and Cu cables and wires
Cutting with ratchet system .

Step by step allows for easy cutting of thick cables .
One-hand shears

Made from high quality chrome vanadium steel ,
blackened with rust protection .

Hardened handles finished with comfortable
extended handles for a better grip in the hand .

Precision hardened blades Cable approach from
the front

weig	length	Ø	mm ²
------	--------	---	-----------------

C35	820 gr	298 mm	34	300
-----	--------	--------	----	-----



Crane shears for Cu-wires



Hand shears for cutting Cu-wires and Cu-strands in overhead lines
Crane cutting allows easy cutting of Cu-wires Two-handed shears
Made of high quality chrome vanadium steel, blackened and rust-proofed Hardened handles with comfort handles
Precision, hardened blades shaped to prevent cables and wires from slipping out during operation

Cu rope



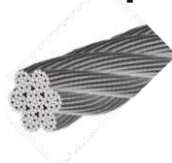
	weight	length	Ø	mm ²
C29	2600 gr	800 mm	38mm	Cu 240/ AL. 240

Wire and cable shears



For cutting steel cables and rods as well as copper and aluminium wires .
Also suitable for cutting Cu-wires, Cu-wires of overhead conductors
Angled blades allow you to cut single wire ropes . High cutting performance thanks to optimum leverage ratio
Very light
Blade head: special high-quality tool steel, oil-hardened in several stages
Shear body: heavy-duty aluminium

St rope



	weight	length	Ø	mm ²
C77	2700 g	710mm	16	150



Selection table for suspension wire and cable holder Djp

Hit	Model	Maximum load	bare multi-stranded copper wire Cu-rope for overhead contact lines								Profile running cable Djp (DjpS)	
			L25	L35	L50	L70	L95	L120	L150		100	150
●	L53	1600 kg						●	●	●	●	●
●	L43	2000 kg						●	●	●	●	●
	L44	4000 kg						●	●	●	●	●
	L23/1	1000 kg	●	●	●			●	●	●		
	L23/2	2000 kg						●	●	●		
	L23/3	3000 kg						●	●	●		
	L54	1700 kg	●	●	●	●	●	●	●	●		
●	L55	3000 kg	●	●	●	●	●	●	●	●		
	L63	3200 kg						●	●	●	●	●
	L63/2	4700 kg						●	●	●	●	●

Contact wire tensioning lugs Djp



The holder is used to grip contact wires during the construction or renovation of overhead lines.
Djp 100 - 150 can be mounted in the holder



Symbol

Mesh size

 Maximum load
WL working

 Maximum load
safe

 Maximum load
ripping

 Working range mm
min max

Weight

L53

32x67 mm

1600 kg

2000 kg

4000 kg

12,0

16,5

4.0 kg

Contact wire and catenary tensioning lugs

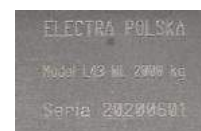


The holder is used to grip the contact wire Djp 100 and Djp 150 as well as the supporting wire L-Cu , L2-Cu during construction or repair of the overhead contact line.

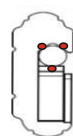
Handles made of acid-resistant steel



All construction from acid resistant steel 1.4303
(Cr 18,0 , Ni 12,0 , C ≤ 0.06 , Mn ≤ 2,0)



Handle identification in the form of a production batch number



Prismatic shape of jaws .
Gripping of wire , cable in three points



Large pulling eye under the hook of 3.2 t winches

Symbol

Mesh size

Working load

 Working range mm
min max

Weight

L43

32x67 mm

2000 kg

10,0

16,0

2.6 kg

L44

32x67 mm

4000 kg

15,0

22,0

6.0 kg

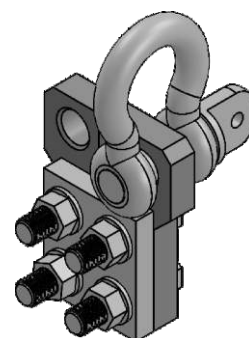
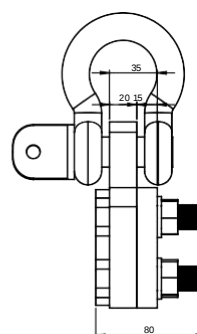
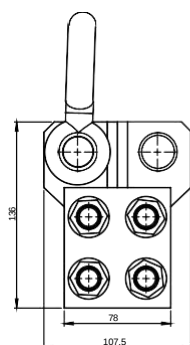


Twisted lugs for tensioning the Djp contact wire and supporting cable



The holder is used to grip contact wires and catenary wire during construction or overhaul of the overhead line. Djp 100 - 150 and all supporting cables can be fixed in the holder

The gripping material is installed between the components of the holder and secured with a screw connection.
Single version



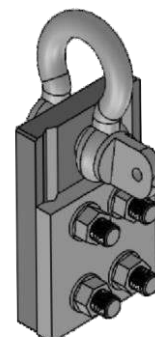
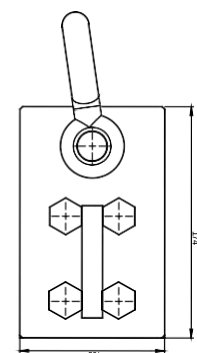
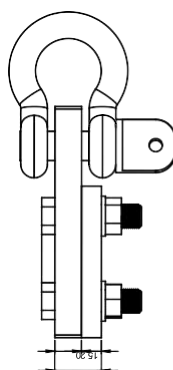
Symbol	Mesh size	Maximum load safe	Maximum load ripping	Working range mm		Weight
				min	max	
L63	shackle 4.75 t	3200 kg	4400 kg	10,0	16,5	6.0 kg

Twisted double clamps for tensioning the Djp contact wire and supporting cable



The holder is used to grip contact wires and catenary wire during construction or overhaul of the overhead line. Djp 100 - 150 and all supporting cables can be fixed in the holder

The gripping material is installed between the components of the holder and secured with a screw connection.
Double version



Symbol	Mesh size	Maximum load safe	Maximum load ripping	Working range mm		Weight
				min	max	
L63/2	shackle 4.75 t	4700 kg	5600 kg	10,0	16,5	8.0 kg



Clamps for tensioning non-insulated wires and steel cables



Universal holder for pulling wires and steel cables during the execution of the main tension overhead line or catenary line
 The chuck has jaws with a clamping system specially designed for pulling non-insulated lines .
 The handle is very lightweight and has a ratchet to prevent the cable slipping out during tensioning.

Symbol	Mesh size	Pulling	Cu rope	Working range		Weight
L90	37x23 mm	1000 kg (9.8 kN)	25-120	2,6	15,0	0.7 kg
L91	42x24 mm	2000 kg (19.6 kN)	25-150	4,0	22,0	1.3 kg
L93	50x30 mm	3000 kg (29.4 kN)		16,0	32,0	2.3 kg

L-Cu , L2-Cu copper cable tensioning clamps



The holder is used to grip the copper catenary wire during construction or overhaul of the overhead line.
 L-Cu , L2-Cu rope can be clamped in the holder

Symbol	Working load	Working range mm		Weight
		min	max	
L23/1	1000 kg	5,0	10,0	1.6 kg
L23/2	2000 kg	10,5	14,0	2.6 kg
L23/3	3000 kg	15,0	21,0	5.4 kg

Grips for tensioning Cu-wires and wire ropes



Grips used for gripping non-insulated conductors during the tensioning of an overhead or catenary main line .
 The chuck has jaws with a clamping system specially designed for pulling ropes, Cu-wires and other cables.

Working range
mm min max

Symbol	Mesh size	Working tension force	L (Cu rope)	Working range		Weight
L54/1	20x20 mm	500 kg (4.9 kN)		1,0	5,0	0.3 kg
L54	27x27 mm	1700 kg (16.7 kN)	25-70	4,0	12,0	1.2 kg
L55	25x38 mm	3000 kg (29.4 kN)	25-150	6,0	18,0	1.8 kg
L56	30x40 mm	3500 kg (34.3 kN)	70-150	10,0	28,0	3.8 kg
L56/1	30x40 mm	4000 kg (39.2 kN)		20,0	40,0	6.2 kg

* The entire range of tensioning clamps for cables and wires can be found in catalogue B.



Trolley spanner model T11



Mechanical tool for axial straightening and holding of cable DJP

T11 Dedicated for Djp 100-150 cable

Trolley spanner model T13



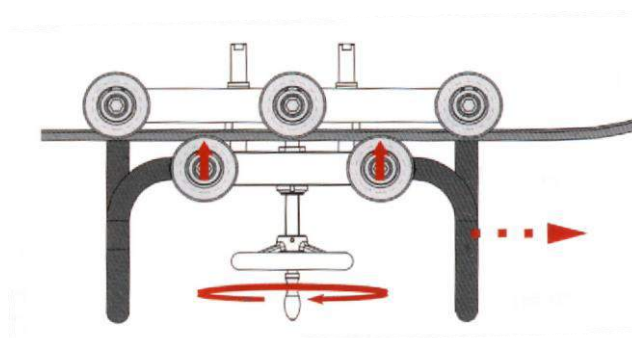
Mechanical tool for axial straightening and holding of cable DJP
Width adjustment
Dedicated to the installation of connectors with the T80 series tool

T13 Dedicated for Djp 100-150 cable

Mechanical tool for straightening Djp cable along the cable axis



Mechanical straightening tool along the centreline of the profiled ducts allowing easy continuous straightening of most duct sizes
e.g. Djp 100-150
Straightening force from 10-20 kN Cable levelling from 30 degrees Manual tool without additional devices



T30 Dedicated for Djp 100-150 cable

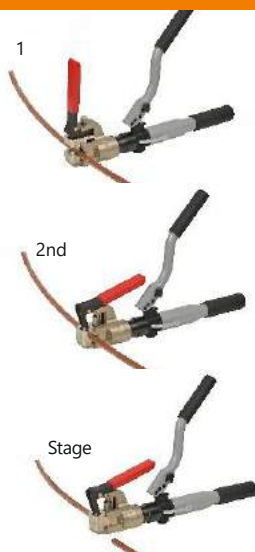
690mm

Weight

6.0 kg



T51 Hydraulic cable cutter Djp

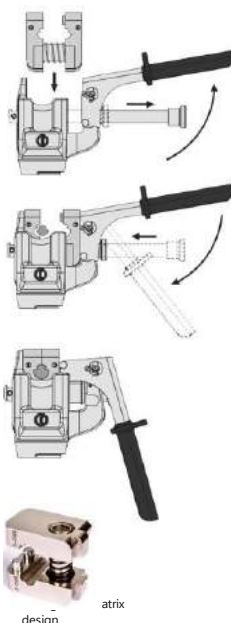


Hydraulic shears with interchangeable heads
Clip-on head with interchangeable inserts for Djp 100 and 150 cable dimensions (heads not included)
Simply replace the cutting dies, smooth cutting surface and no deformation
Easy handling and fast cutting speed improves the efficiency of overhead line work
Operating pressure 700 bar Weight 4.5 kg
Pressure 60 kN Manual piston return
Two-stage pump (idle, high pressure)

Set contains: scissors , metal case , instruction manual

Option: interchangeable heads for cable Djp
T51/100 - dedicated for cable Djp 100 **T51/150** - dedicated for cable Djp 150

T52 Cordless cable cutter Djp



Cordless shears with interchangeable heads Clip-on head with interchangeable cable inserts Djp 100 and 150
Simply replace the cutting dies, smooth cutting surface and no deformation
Easy handling and fast cutting speed improves the efficiency of overhead line work
Operating pressure 700 bar
Weight 5.5 kg
Pressure 60 kN
Makita 18.0 V , 5.0 Ah battery Manual / automatic piston return
Two-stage pump (idle, high pressure)

The set includes: scissors, carrying case, instruction manual

Option: interchangeable heads for cable Djp
T51/100 - dedicated for cable Djp 100 **T51/150** - dedicated for cable Djp 150

Straightening matrix for Djp cable



Straightening matrix for Djp cable
Compatible with G25 hydraulic head and pump Parallel point straightening of the contact line



T31 Cable straightening matrix Djp 100
T32 Cable straightening matrix Djp 150



Hydraulic travel wire straightening head



Hydraulic travel wire straightening head Djp Working range
Djp - 100 - 150
Head designed to work with all kinds of hydraulic
pumps (manual , foot pedal , electric , petrol)
Pressure 45 kN

T20	Djp	100-150	700 bar
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Cordless travel wire straightening tool



Djp cordless travel wire straightening tool
Operating range Djp - 100 - 150
Working pressure 700 bar
Pressure 45 kN
18.0 V battery

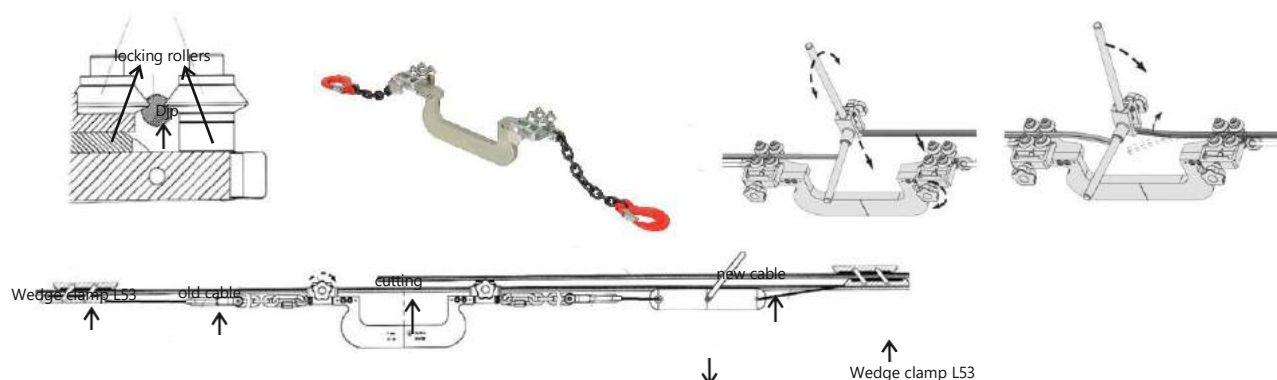
T21	Djp	100-150	700 bar
-----	-----	---------	---------

Tool for fitting connectors to the contact wire



Installation tool for fitting connectors to the overhead contact line Djip The tool supports the work of replacing and fitting a new contact wire to the overhead contact line

Two sets of profile wheels are used to hold the old contact wire for cutting. After the cutting process, the new wire is profiled with the help of trolley spanners before being connected to the wire used on the overhead line by means of a connector.



T80 Fitting set for couplings
Set supplied in a steel case



Mechanical-hydraulic train sets for electric wire-rope connection , wire rope



HP3 hydraulic pump with foot pedal
Weight 8.6 kg
Operating pressure 700 bar
Two-speed system (idle , high pressure)
High pressure 2.26 cc, low pressure 12.26 cc
Biodegradable oil
Operating range -20 to +40 degrees C
Packaging: metal box



Hydraulic throttling gauge **G25**

Die series 25 "U" series
head Weight 5.6 kg
Operating pressure 700 bar

Pressure 250 kN
Required oil capacity 88 cc
Biodegradable oil
Operating range -20 to +40 degrees C

Height 320 mm

Available dies : M25/L185
base M25/L120 - rope 120
M25/L150 - rope 150
M25/P100 - cable Dj 100
M25/P150 - cable Dj 150



Hydraulic press head **G26**

Die series 26 Die series
"U" Weight 10.6 kg
Operating pressure 700 bar

Pressure 450 kN
Required oil capacity 226 cc
Biodegradable oil
Operating range -20 to +40 degrees C

Height 285 mm

Available dies : M26/L185
base M26/L120 - rope 120
M26/L150 - rope 150
M26/P100 - cable Dj 100
M26/P150 - cable Dj 150

Rail kit SK 25 M Foot
hydraulic pump HP3 Hydraulic
head G25 Hydraulic hose 2 m.
M25/L185 base Matrix
M25/L120 - rope 120 Matrix
M25/L150 - rope 150
M25/P100 matrix - Dj 100 cable M25/P150
matrix - Dj 150 cable

Rail kit SK 26 M Foot
hydraulic pump HP3 Hydraulic
head G26 Hydraulic hose 2 m.
M26/L185 base Matrix
M26/L120 - rope 120 Matrix
M26/L150 - rope 150
M26/P100 matrix - Dj 100 cable M26/P150
matrix - Dj 150 cable

* possibility to purchase individual items of your choice from catalogue A



Battery-hydraulic railway cable electrification kits rope-rope , wire rope



HP6 rechargeable hydraulic pump

Weight 5.9 kg
Operating pressure 700 bar
Oil volume required 1.0 l
Two-speed system (idle, high pressure)
Biodegradable oil
Operating range -20 to +55 degrees C
Dimensions 338x 172 x 266 mm
Construction : carrying handle , shoulder strap
Housing : impact-resistant composite
Powerful Makita lithium-ion battery 18 V , 5.1 Ah
* other parameters in the product data sheet



Hydraulic throttling gauge G25

Die series 25 "U" series
head Weight 5.6 kg
Operating pressure 700 bar

Pressure 250 kN
Required oil capacity 88 cc
Biodegradable oil
Operating range -20 to +40 degrees C

Height 320 mm

Available dies : M25/L185
base M25/L120 - rope 120
M25/L150 - rope 150
M25/P100 - cable Dj 100
M25/P150 - cable Dj 150



Hydraulic press head G26

Die series 26 Die series "U"
Weight 10.6 kg
Operating pressure 700 bar

Pressure 450 kN
Required oil capacity 226 cc
Biodegradable oil
Operating range -20 to +40 degrees C

Height 285 mm

Available dies : M26/L185
base M26/L120 - rope 120
M26/L150 - rope 150
M26/P100 - cable Dj 100
M26/P150 - cable Dj 150

Rail set SK 25 C

Hydraulic accumulator pump HP6 Hydraulic head G25
Hydraulic hose 2 m.
M25/L185 base Matrix
M25/L120 - rope 120 Matrix
M25/L150 - rope 150
M25/P100 matrix - Dj 100 cable M25/P150 matrix - Dj 150 cable

Rail set SK 26 C

Hydraulic accumulator pump HP6 Hydraulic head G26
Hydraulic hose 2 m. Matrix
M26/L185 base Matrix
M26/L120 - rope 120 Matrix
M26/L150 - rope 150
M26/P100 matrix - Dj 100 cable M26/P150 matrix - Dj 150 cable

* possibility to purchase individual items of your choice from catalogue A



Battery-hydraulic railway cable electrification kits rope-rope , wire rope



HP8 rechargeable hydraulic pump
Weight 7.7 kg
Operating pressure 700 bar
Oil volume required 1.0 l
Two-speed system (idle, high pressure)
Biodegradable oil
Operating range -20 to +55 degrees C
Dimensions 480 x 250 x 250 mm
Construction : carrying handle , shoulder strap
Housing : impact-resistant composite
Battery: Lithium-ion 18V , 3.0 Ah
* other parameters in the product data sheet



Hydraulic throttling gauge **G25**
Die series 25 "U" series head Weight 5.6 kg
Operating pressure 700 bar

Pressure 250 kN
Required oil capacity 88 cc
Biodegradable oil
Operating range -20 to +40 degrees C

Height 320 mm

Available dies : M25/L185
base M25/L120 - rope 120
M25/L150 - rope 150
M25/P100 - cable Djp 100
M25/P150 - cable Djp 150



Hydraulic press head **G26**
Die series 26 Die series "U" Weight 10.6 kg
Operating pressure 700 bar

Pressure 450 kN
Required oil capacity 226 cc
Biodegradable oil
Operating range -20 to +40 degrees C

Height 285 mm

Available dies : M26/L185
base M26/L120 - rope 120
M26/L150 - rope 150
M26/P100 - cable Djp 100
M26/P150 - cable Djp 150

Rail set SK 25 A

Hydraulic accumulator pump HP8 Hydraulic head G25
Hydraulic hose 2 m.
M25/L185 base Matrix
M25/L120 - rope 120 Matrix
M25/L150 - rope 150
M25/P100 matrix - Djp 100 cable M25/P150 matrix - Djp 150 cable

Rail set SK 26 A

Hydraulic accumulator pump HP8 Hydraulic head G26
Hydraulic hose 2 m. Matrix
M26/L185 base Matrix
M26/L120 - rope 120 Matrix
M26/L150 - rope 150
M26/P100 matrix - Djp 100 cable M26/P150 matrix - Djp 150 cable

* possibility to purchase individual items of your choice from catalogue A



Electric rail kits for electrically connecting rope-rope , rope-cable



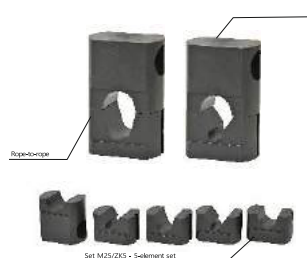
Electric hydraulic pump model **HP13/1**
Electric motor 0,37 kW 230 V motor
Flow rate 0.32 - 3.31 l/min
Max hydraulic oil pressure 700 bar Oil tank capacity 3.8 litres Weight 15.4 kg
Dimensions 368x309x373
Release valve - manual



Hydraulic throttling gauge **G25**
Die series 25 "U" series
head Weight 5.6 kg
Operating pressure
700 bar Pressure 250 kN
Required oil capacity 88 cc
Biodegradable oil
Operating range -20 to +40 degrees C

Height 320 mm

Available dies : M25/L185 base
M25/L120 - rope 120
M25/L150 - rope 150
M25/P100 - cable Djp 100
M25/P150 - cable Djp 150



Hydraulic press head **G26**
Die series 26 Die series
"U" Weight 10.6 kg
Operating pressure
700 bar Pressure 450 kN
Required oil capacity 226 cc
Biodegradable oil
Operating range -20 to +40 degrees C Height 285 mm

Available dies : M26/L185 base
M26/L120 - rope 120
M26/L150 - rope 150
M26/P100 - cable Djp 100
M26/P150 - cable Djp 150

Rail set SK 25 E

Electric hydraulic pump HP13/1 Hydraulic head G25
Hydraulic hose 2 m.
M25/L185 base Matrix
M25/L120 - rope 120 Matrix
M25/L150 - rope 150
M25/P100 matrix - Djp 100 cable M25/P150 matrix - Djp 150 cable

Rail set SK 26 E

Electric hydraulic pump HP13/1 Hydraulic head G26
Hydraulic hose 2 m. Matrix
M26/L185 base Matrix
M26/L120 - rope 120 Matrix
M26/L150 - rope 150
M26/P100 matrix - Djp 100 cable M26/P150 matrix - Djp 150 cable

* possibility to purchase individual items of your choice from catalogue A



Other available heads for the train set

G33 Hydraulic head for cutting contact wire Djp



Type C head
Weight 4.5 kg
Cutting cable Djp 100 , 150
Pressure 60 KN
Required oil capacity 70 cc
Biodegradable oil
Operating range -20 to +40 degrees C



G02/1 Hydraulic cutting head



Pin head lockable Weight 4.5 kg
Operating range
Al./Cu/AFL 45 mm
Wire rope 6x7 , 6x12 , 6x19 max 25 mm
Working pressure 700 bar
Pressure 60 KN
Required oil capacity 70 cc
Biodegradable oil
Operating range -20 to +40 degrees C
Height 346 mm

G04 Hydraulic cutting head



Closed type head
Weight 4.8kg
Operating range
Al./Cu/ max 85 mm
Operating pressure 700 bar
Pressure 60 KN
Required oil capacity 95 cc
Biodegradable oil
Operating range -20 to +40 degrees C
Height 395 mm

G08/2 Hydraulic cutting head for Al/Cu cable - max Ø 85 mm - open version



Open type head
Scope of work
Al / Cu max 85 mm
65 mm reinforced
Operating pressure 700 bar
Pressure 60 KN
Required oil capacity 66 cc
Biodegradable oil
Operating range -20 to +40 degrees C



Mounting roller nylon



Assembly rollers Roll
material : Nylon
Ball-bearing mounted rollers with interchangeable parts
Frame made of galvanised steel with hook

Symbol	Outer diameter [mm]	Roll width [mm]	Roll material	Working load kN	Weight (kg)
13001N	120	35	nylon	5	1,5
13002N	160	40	nylon	10	2,5
13004N	200	60	nylon	15	3,6
13005N	270	60	nylon	20	5,6
13006N	320	60	nylon	20	6,7
13007N	408	80	nylon	20	13,0

Aluminium assembly roller

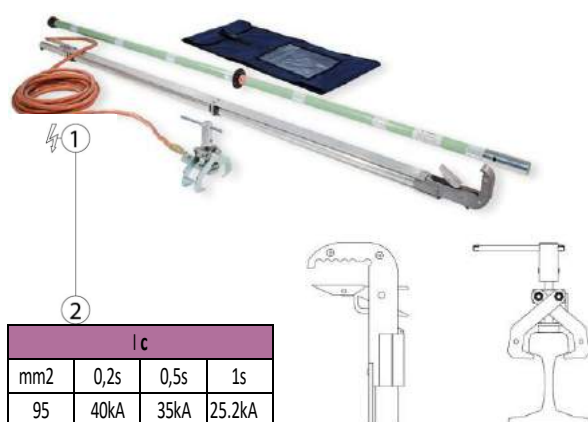


Mounting rollers Roll
material: aluminium
Ball-bearing mounted rollers with interchangeable
components
Frame made of galvanised steel with hook

Symbol	Outer diameter [mm]	Roll width [mm]	Roll material	Working load kN	Weight (kg)
13001A	120	35	aluminium	5	2,1
13002A	160	40	aluminium	10	3,1
13004A	200	60	aluminium	15	4,1
13005A	270	60	aluminium	20	6,7
13006A	320	60	aluminium	20	10,4
13007A	408	80	aluminium	20	11,9



Railway earthing set - 3 kV dc lines



Mod. CCLC-SDN / 95 / 2-5 m

- 1 alloy clamp with folding jaw and tightening screw with aluminium torque limiter for the 2.1 M active part.
- 1 epoxy resin isolation rod in one section 2.5 m long fitted with hand protection and cap with reinforced connector for bonding to aluminium pipe . Total length 4.6 M.
- 1 95 mm² 4.95 m. flexible copper conductor with transparent silicone sheath.
- 1 terminal for connection to a rail equipped with torque limiter for tightening the clamp on the rails.

Optional:

- Nylon carrying bag with shoulder strap In accordance with STD IEC 61230
- Ref./Conf. STF RFI DMA IM TE SP IFS 083 - Cat.817 / 600
- Note: also available with 10 m cable, our mod. CCLC-SDN / 95 / 2-10 m cat. 817/601

Railway earthing set - 3 kV dc lines



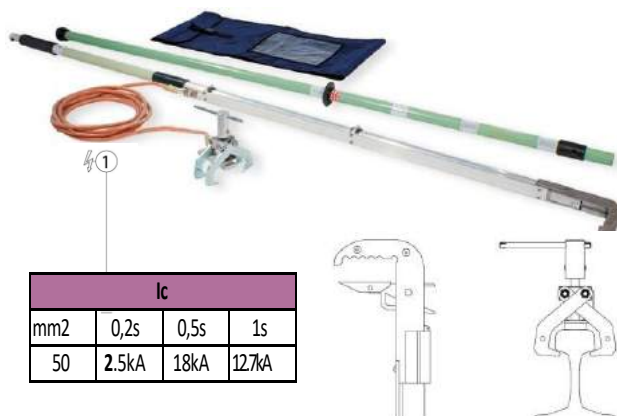
Mod. CCLC-SDN / 95 / 3-5.5 m

- 1 alloy clamp with folding jaw and tightening screw with aluminium torque limiter for active part 1.53 M.
- 2 epoxy resin insulating rods, each 1.53 in length , fitted with hand protection and cap with reinforced connector for bonding to aluminium pipe . Total length of the unit 4.6 M.
- 1 95 mm² 5.51 m. flexible copper conductor with transparent silicone sheath.
- 1 terminal for connection to a rail equipped with torque limiter for tightening the clamp on the rails.

Optional:

- Nylon carrying bag with shoulder strap In accordance with STD IEC 61230
- R

Railway earthing set - 25 kV ac lines



Mod. CCLC-SDN / 50 / 2-6.1 m

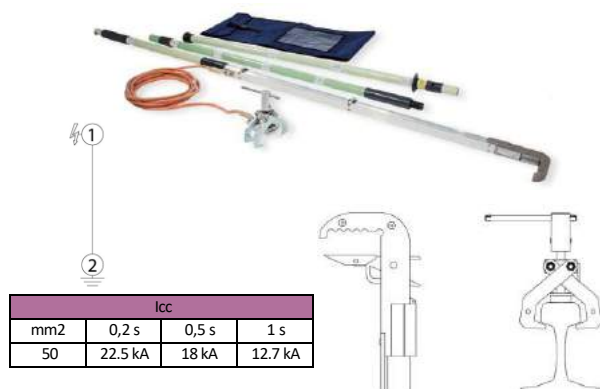
- 1 alloy clamp with folding jaw and tightening screw with aluminium torque limiter for the 2.1 M active part.
- 1 epoxy resin isolation rod in one section 2.35 m long fitted with hand protection and cap with reinforced connector for bonding to aluminium pipe . Total length 4.6 M.
- 1 flexible copper conductor, cross section 50 mm² 6.1 m. with transparent silicone sheath.
- 1 terminal for connection to a rail equipped with torque limiter for tightening the clamp on the rails.

Optional:

- Nylon carrying bag with shoulder strap In accordance with STD IEC 61230



Railway grounding set 25 kV ac lines



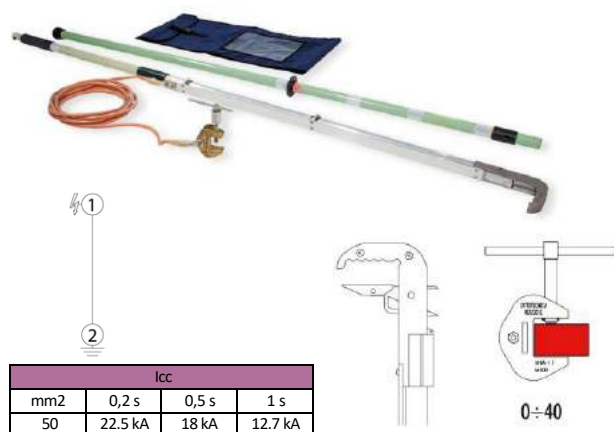
Mod. CCLC-SDN / 50 / 3-6.1 m. LN

- 1 alloy clamp with folding jaw and tightening screw with aluminium torque limiter for the 1.6 M active part.
- 2 epoxy resin isolation rods in 1.5 sections each fitted with hand protection and a cap with reinforced connector for tying to aluminium tubing . Total device length 4.6 M.
- 1 flexible copper conductor, cross section 50 mm² 6.1 m. with transparent silicone sheath.
- 1 terminal for connection to a rail equipped with torque limiter for tightening the clamp on the rails.

Optional:

- Nylon carrying bag with shoulder strap In accordance with STD IEC 61230

Railway grounding set 25 kV ac lines



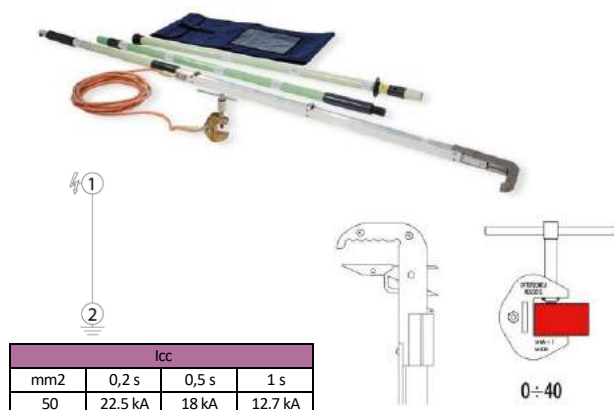
Mod. CCLC-SDN / 50 / 2-8.1 m. AV FD

- 1 alloy clamp with folding jaw and tightening screw with aluminium torque stop for the 2.25 m active part.
- 1 epoxy resin isolation rod, 2.35 m long, equipped with hand protection and cap with reinforced connector for tying to aluminium tubing . Total device length 4.6 M.
- 1 flexible copper conductor, cross section 50 mm² 8.1 m. with transparent silicone sheath.
- 1 brass self-tapping clamp with thickness 0 ÷ 35 mm and fixed spherical points ø 20/25 mm equipped with torque stop

Optional:

- Nylon carrying bag with shoulder strap In accordance with STD IEC 61230

Railway grounding set 25 kV ac lines



Mod. CCLC-SDN / 50 / 3-8.1 m

- 1 alloy clamp with folding jaw and tightening screw with aluminium torque limiter for the 1.6 M active part.
- 2 epoxy resin isolation rods length of 1.53 m is equipped with hand protection and a cap with a reinforced connector for tying to aluminium tubing . Total device length 4.6 M.
- 1 flexible copper conductor, cross section 50 mm² 8.1 m. with transparent silicone sheath.
- 1 brass self-tapping clamp with thickness 0 ÷ 35 mm and fixed spherical points ø 20/25 mm equipped with torque stop

Optional:

- Nylon carrying bag with shoulder strap In accordance with STD IEC 61230



DC voltage DETECTOR 25 kVAC for installation on insulated sections and shunting poles



Riv model. 3 kVcc / F RFI

Operating range: 19-27.5 kV

Warnings: optical / acoustic

Self-test: at the start and automatically repeated every three seconds by an 'OK' signal.

Switch-off: automatic, preset (within 3 minutes) or by pressing a button.

Electrode: hook type

Installation : via a shaped spring Power

supply: 1 x 9 V battery

Housing: painted sheet metal

To be installed on the bar from the previous page

In accordance with STD 61243-1

Ref./Conf. STF RFI DIT STF IFS TE 84 1 Cat. 817/0010

Voltage detector 25 kV ac



Riv model. 25 kVac / P RFI

Operating range: 19 ÷ 27.5 kV

Maximum operating voltage: 40 kV

Installation: ~ 5 seconds

Warnings: optical/acoustic

Self-test: at the beginning and automatically repeated every 3 seconds by an "OK" check signal

Power supply: 1 x 9 V battery

Switching off: automatic, preset (within 3 minutes) or by pressing a button

Electrode: elongated forked frame:

by form spring Housing: painted sheet metal

In accordance with STD 61243-1

Ref./Conf. STF

Voltage detector 3 kVdc



Riv model. 3 kVcc / F RFI

Operating range: 2000 ÷ 5000 Vdc

Warnings: optical / acoustic

Self-test: at the beginning and automatically repeated every 3 seconds by an "OK" check signal

Shutdown: automatic, preset

(within 3 minutes) or by the following button press.

Electrode: flexible, eyelets

Mounting: via shaped spring Power

supply: 1 x 9 V battery Installation:

~ 5 seconds

Housing: painted sheet metal

For use with insulating wire on page 33 In accordance with STD 61243-2

Ref./Conf. STF RFI DIT STF IFS TE 084 1 Cat. 817/0020



Electra
electrapolska.com

25
LAT

Lifting and pulling equipment Tensioning lugs Stockings and swivels Ropes Dynamometers

Shackles
Rope slings
Webbing slings
Chain slings
Hose slings
Chain hoists
Rope hoists
Multi-bolts
Grips for ACSR , AL.
Grips for OPGW
Self grip for ASXSN PAS GREENPAS
Wire and Cu-rope clamps
Wire and nylon rope
Dynamometers

electrasklep.pl
electrapolska.com





Reinforced round shackle

Manufactured in Class 6 in accordance with EN 13889.

Safety factor: 6:1.

The shackle and pin are made of high-tensile, tempered steel. Operating temperature range: $-20^{\circ}\text{C} \div 200^{\circ}\text{C}$. Zinc-plated shackle, pin protected against corrosion by blue powder coating. Marking: type, DOR, class, batch number, manufacturer's mark, CE mark.



Symbol	Load [kg]	A	S	B	D	H	W	Kg
L01/0,5	500	12,0	19,0	7,0	8,0	29,0	17,5	0,05
L01/0,7	750	13,0	20,0	9,0	10,0	32,0	20,0	0,10
L01/1,0	1000	17,5	25,5	10,5	11,5	36,0	25,0	0,15
L01/1,5	1500	19,0	29,0	11,5	12,5	42,0	27,0	0,20
L01/2,0	2000	20,5	32,5	13,0	16,0	48,5	31,5	0,30
L01/3,2	3250	27,0	43,0	17,0	19,0	59,5	41,0	0,65
L01/4,7	4750	31,5	49,5	20,0	22,5	70,5	48,0	1,05
L01/6,5	6500	37,0	56,0	24,0	27,0	83,5	53,5	1,60
L01/8,5	8500	45,0	67,0	27,0	30,0	95,5	60,5	2,35
L01/9,5	9500	47,5	73,5	30,0	33,0	106,0	68,0	3,15
L01/12,0	12000	49,5	82,0	34,5	36,0	119,0	76,0	4,75
L01/13,5	13500	58,0	90,0	36,0	39,0	132,0	84,5	6,05
L01/17,0	17000	63,0	96,5	40,0	42,0	147,0	92,0	8,15
L01/25,0	25000	71,0	125,0	45,0	50,0	176,0	110,0	12,75
L01/35,0	35000	80,0	143,0	52,0	54,0	196,0	119,0	19,40
L01/55,0	55000	105,0	180,0	65,0	71,0	260,0	150,0	36,00

Longitudinal shackle type D

Manufactured in class 6 to EN13889. Safety factor: 6:1.

The shackle and pin are made of high-tensile, tempered steel. Operating temperature range: $-20^{\circ}\text{C} \div 200^{\circ}\text{C}$.

Zinc-plated shackle, pin protected against corrosion by blue powder coating. Marking: type, DOR, class, batch number, manufacturer's mark, CE mark.



Symbol	Load [kg]	A	B	D	H	W	Kg
L02/0,5	500	11,0	6,0	8,0	24,0	16,0	0,05
L02/0,7	750	15,0	8,0	11,0	26,0	19,0	0,08
L02/1,0	1000	17,0	10,0	11,0	32,0	23,0	0,13
L02/1,5	1500	19,0	11,0	13,5	36,0	27,0	0,20
L02/2,0	2000	20,5	13,0	16,5	41,0	30,0	0,28
L02/3,2	3250	27,0	16,0	19,0	51,0	38,0	0,57
L02/4,7	4750	31,0	19,0	22,0	60,0	46,0	1,20
L02/6,5	6500	36,0	22,0	25,5	71,0	53,0	1,40
L02/8,5	8500	42,0	25,0	30,0	82,0	61,0	2,20
L02/9,5	9500	46,0	28,0	33,5	90,0	68,0	3,10
L02/12,0	12000	52,0	32,0	36,0	100,0	76,0	4,10
L02/13,5	13500	56,0	35,0	39,0	111,0	84,0	5,30
L02/17,0	17000	61,0	38,0	42,0	122,0	92,0	7,30
L02/25,0	25000	72,0	45,0	52,0	150,0	108,0	12,60
L02/35,0	35000	85,0	52,0	60,0	175,0	123,0	18,30

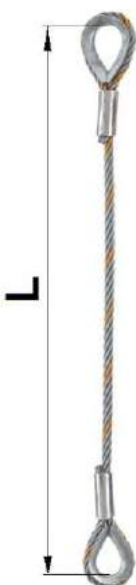


Cable slings with caoutchouc

Fulfills the provisions of the Machinery Directive 2006/42/EC and the harmonised standard EN 13414-1
Slings made of steel wire ropes with a wire strength of 1770 or 1960 N/mm² clamped by aluminium cylindrical sleeves according to EN 13411-3

Slings permanently marked with manufacturer's stamped mark, factory number, length, CE mark and permissible working load.

The length of the sling is made to individual order - it is measured between the upper and lower attachment points.



Symbol	Load [kg]	Rope [mm]	Possible lengths up to			product i (mb) on		
			1.0	1,5	2,0	3.0	4.0	5,0
L100/08	700	8,0	●	●	●	●	●	●
L100/10	1050	10,0	●	●	●	●	●	●
L100/11	1300	11,0	●	●	●	●	●	●
L100/12	1550	12,0	●	●	●	●	●	●
L100/13	1800	13,0	●	●	●	●	●	●
L100/14	2120	14,0	●	●	●	●	●	●
L100/16	2700	16,0			●	●	●	●
L100/18	3400	18,0				●	●	●
L100/20	4350	20,0					●	●
L100/22	5200	22,0					●	●
L100/24	6300	24,0					●	●

Other lengths on request

Ordering diagram: example **L100/12/5.0**

L100 - model of sling with a caoutchouc 12 - diameter of rope

5,0 - sling length

Wire rope slings without eyelets

Fulfills the provisions of the Machinery Directive 2006/42/EC and the harmonised standard EN 13414-1
Slings made of steel wire ropes with a wire strength of 1770 or 1960 N/mm² clamped by aluminium cylindrical sleeves according to EN 13411-3

Slings permanently marked with manufacturer's stamped mark, factory number, length, CE mark and permissible working load.

The length of the sling is made to individual order - it is measured between the upper and lower attachment points.



Symbol	Load [kg]	Rope [mm]	Possible lengths up to			product i (mb) on		
			1.0	1,5	2,0	3.0	4.0	5,0
L101/08	700	8,0	●	●	●	●	●	●
L101/10	1050	10,0	●	●	●	●	●	●
L101/11	1300	11,0	●	●	●	●	●	●
L101/12	1550	12,0	●	●	●	●	●	●
L101/13	1800	13,0	●	●	●	●	●	●
L101/14	2120	14,0	●	●	●	●	●	●
L101/16	2700	16,0			●	●	●	●
L101/18	3400	18,0				●	●	●
L101/20	4350	20,0					●	●
L101/22	5200	22,0					●	●
L101/24	6300	24,0					●	●

Other lengths on request

Ordering diagram: example **L101/12/5.0**

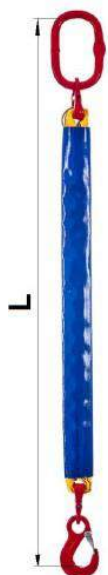
L101 - sling model without thimbles 12 - rope diameter

5,0 - sling length



Hose slings 1-cord

It complies with the provisions of the Machinery Directive 2006/42/EC and the harmonised standard EN 1492-2 and has a safety factor of 7:1, (fittings 4:1).
It has a sewn-in identification label with the manufacturer's name, load capacity, type, factory number, year of manufacture, length, CE mark.
The length of the sling is made to individual order and is measured between the upper and lower attachment points.



Symbol	Load [kg]	Possible lengths for production (mb)					
		1,0	1,5	2,0	3,0	4,0	5,0
L102/1/1	1000	●	●	●	●	●	●
L102/1/2	2000	●	●	●	●	●	●
L102/1/3	3000	●	●	●	●	●	●
L102/1/4	4000	●	●	●	●	●	●
L102/1/5	5000	●	●	●	●	●	●
L102/1/6	6000	●	●	●	●	●	●
L102/1/8	8000	●	●	●	●	●	●
L102/1/1010000		●	●	●	●	●	●

Other lengths on request

Hose slings with link and hook . Other configurations on request Ordering diagram :

example **L102/1/2/5.0**

L102 - hose sling model

1 - number of ties

2 - load in tonnes 5,0 - length of sling

Hose slings 2-prong

It complies with the provisions of the Machinery Directive 2006/42/EC and the harmonised standard EN 1492-2 and has a safety factor of 7:1, (fittings 4:1).
It has a sewn-in identification label with the manufacturer's name, load capacity, type, factory number, year of manufacture, length, CE mark.
The length of the sling is made to individual order and is measured between the upper and lower attachment points.



Symbol	Load capacity 45°-60°[kg].	Load capacity 45°[kg]	Load capacityMay be up to			product i (mb)		
			1,0	1,5	2,0	on 3,0	4,0	5,0
L102/2/1	1000	1400	●	●	●	●	●	●
L102/2/2	2000	2800	●	●	●	●	●	●
L102/2/3	3000	4200	●	●	●	●	●	●
L102/2/4	4000	5600	●	●	●	●	●	●
L102/2/5	5000	7000	●	●	●	●	●	●
L102/2/6	6000	8400	●	●	●	●	●	●
L102/2/8	8000	11200	●	●	●	●	●	●
L102/2/10	10000	14000	●	●	●	●	●	●

Other lengths on request

Hose slings with link and hook . Other configurations on request Ordering diagram :

example **L102/2/2/5.0**

L102 - hose sling model 2 - number of links 2 - load in tonnes 5,0 - length of sling



3-prong hose slings

It complies with the provisions of the Machinery Directive 2006/42/EC and the harmonised standard EN 1492-2 and has a safety factor of 7:1, (fittings 4:1).
It has a sewn-in identification label with the manufacturer's name, load capacity, type, factory number, year of manufacture, length, CE mark.
The length of the sling is made to individual order and is measured between the upper and lower attachment points.



Symbol	Load Capacity		Possible lengths for production (mb)					
	45°-60°[kg]	45°[kg]	1,0	1,5	2,0	3,0	4,0	5,0
L102/3/1,5 1500		2100	●	●	●	●	●	●
L102/3/3,0 3000		4200	●	●	●	●	●	●
L102/3/4,5 4500		6300	●	●	●	●	●	●
L102/3/6,0 6000		8400	●	●	●	●	●	●
L102/3/7,5 7500		10500	●	●	●	●	●	●
L102/3/9,0 9000		12600	●	●	●	●	●	●
L102/3/12 12000		16800	●	●	●	●	●	●
L102/3/15 15000		21000	●	●	●	●	●	●

Other lengths on request

Hose slings with link and hook . Other configurations on request Ordering diagram :
example **L102/3/4,5/5,0**

L102 - hose sling model 3 - number of links 4,5 - load in tonnes 5,0 - sling length

4-hose slings

It complies with the provisions of the Machinery Directive 2006/42/EC and the harmonised standard EN 1492-2 and has a safety factor of 7:1, (fittings 4:1).
It has a sewn-in identification label with the manufacturer's name, load capacity, type, factory number, year of manufacture, length, CE mark.
The length of the sling is made to individual order and is measured between the upper and lower attachment points.



Symbol	Load Capacity		Possible lengths for production (mb)					
	45°-60°[kg]	45°[kg]	1,0	1,5	2,0	3,0	4,0	5,0
L102/4/1,5 1500		2100	●	●	●	●	●	●
L102/4/3,0 3000		4200	●	●	●	●	●	●
L102/4/4,5 4500		6300	●	●	●	●	●	●
L102/4/6,0 6000		8400	●	●	●	●	●	●
L102/4/7,5 7500		10500	●	●	●	●	●	●
L102/4/9,0 9000		12600	●	●	●	●	●	●
L102/4/12 12000		16800	●	●	●	●	●	●
L102/4/15 15000		21000	●	●	●	●	●	●

Other lengths on request

Hose slings with link and hook . Other configurations on request Ordering diagram :
example **L102/4/4,5/5,0**

L102 - hose sling model 3 - number of links 4,5 - load in tonnes 5,0 - sling length

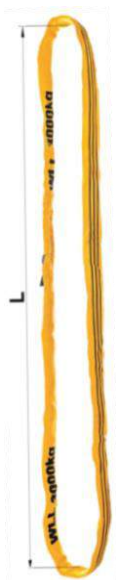


Hose sling with closed circuit

Complies with the provisions of the Machinery Directive 2006/42/EC and the harmonised standard EN 1492-2 Has a safety factor of 7:1

It has a sewn-in identification label with the manufacturer's name, load capacity, type, factory number, year of manufacture, length, CE mark.

The length of the sling is made to individual order and is measured between the upper and lower attachment points.



Symbol	Load [kg]	Possible lengths for production					i (mb)
		1.0	1.5	2.0	3.0	4.0	
L103/1	1000	●	●	●	●	●	●
L103/2	2000	●	●	●	●	●	●
L103/3	3000	●	●	●	●	●	●
L103/4	4000	●	●	●	●	●	●
L103/5	5000	●	●	●	●	●	●
L103/6	6000	●	●	●	●	●	●
L103/8	8000	●	●	●	●	●	●
L103/10	10000	●	●	●	●	●	●
L103/12	12000	●	●	●	●	●	●
L103/15	15000	●	●	●	●	●	●
L103/20	20000	●	●	●	●	●	●
L103/25	25000	●	●	●	●	●	●
L103/30	30000	●	●	●	●	●	●
L103/40	40000	●	●	●	●	●	●
L103/50	50000	●	●	●	●	●	●
L103/60	60000	●	●	●	●	●	●
L103/80	80000	●	●	●	●	●	●
L103/100	100000	●	●	●	●	●	●
L103/120	120000	●	●	●	●	●	●
L103/150	150000	●	●	●	●	●	●

Other lengths on request

Hose slings with link and hook . Other configurations on request Ordering diagram : example **L103/2/5.0**

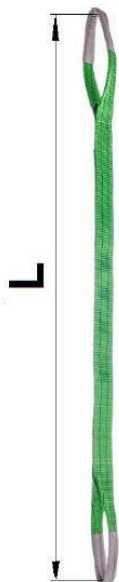
L103 - hose sling model 2 - load in tonnes 5,0 - sling length



Double layer belt slings

- Complies with the provisions of the Machinery Directive 2006/42/EC and the harmonised standard EN 1492-1
- They have a safety factor of 7:1
- They have a sewn-in identification label with the manufacturer's name, type, factory number, year of manufacture, length, CE mark and permissible working load.

The length of the sling is made to individual order and is measured between the upper and lower attachment points.



Symbol	Load [kg]	Possible lengths for production (mb)					
		1,0	1,5	2,0	3,0	4,0	5,0
● L104/1	1000	●	●	●	●	●	●
● L104/2	2000	●	●	●	●	●	●
● L104/3	3000	●	●	●	●	●	●
● L104/4	4000			●	●	●	●
● L104/5	5000			●	●	●	●
● L104/6	6000				●	●	●
● L104/8	8000				●	●	●
● L104/10	10000					●	●

Other lengths on request

The webbing slings can be finished with full loops or with shorter loops Ordering example: **L104/2/5.0**

L104 - hose sling model 2 - load in tonnes 5,0 - sling length

Four-layer strap slings

They comply with the provisions of the Machinery Directive 2006/42/EC and the harmonised standard EN 1492-1 and have a safety factor of 7:1.

They have a sewn-in identification label with the manufacturer's name, type, factory number, year of manufacture, length, CE mark and permissible working load.

The length of the sling is made to individual order and is measured between the upper and lower attachment points.



Symbol	Load [kg]	Possible lengths for production i (mb)					
		1,0 3,0	1,5	2,0	4,0	5,0	
● L105/1	1000	●	●	●	●	●	●
● L105/2	2000	●	●	●	●	●	●
● L105/3	3000	●	●	●	●	●	●
● L105/4	4000			●	●	●	●
● L105/5	5000			●	●	●	●
● L105/6	6000			●	●	●	●
● L105/8	8000			●	●	●	●
● L105/10	10000				●	●	●

Other lengths on request

The webbing slings can be finished with full loops or with shorter loops Ordering example: **L105/2/5.0**

L105- hose sling model 2 - load in tonnes 5,0 - sling length



1 - link chain slings class 8

They comply with the provisions of the Machinery Directive 2006/42/EC.

They have a durable rating plate with the manufacturer's mark, class, factory number, length, CE mark and permissible working load stamped on it.

The length of the sling is made to individual order and is measured between the upper and lower attachment points.

Safety factor 4:1



Symbol	Load Chain [kg]		Possible lengths for production (mb					
			1,0	1,5	2,0	3,0	4,0	5,0
L108/1/1,1	1120	6	●	●	●	●	●	●
L108/1/2,0	2000	8	●	●	●	●	●	●
L108/1/3,1	3150	10	●	●	●	●	●	●
L108/1/5,3	5300	13	●	●	●	●	●	●
L108/1/8,0	8000	16	●	●	●	●	●	●
L108/1/11	11200	19	●	●	●	●	●	●
L108/1/15	15000	22	●	●	●	●	●	●
L108/1/21	21200	26	●	●	●	●	●	●

Other lengths on request

Chain slings with link and hook . Other configurations on request

Ordering diagram: example **L108/1/3.1/5.0**

L108 - chain sling model class 8 1 - number of links 3,1 - load in tonnes 5,0 - sling length **Class 10 - symbol L110**

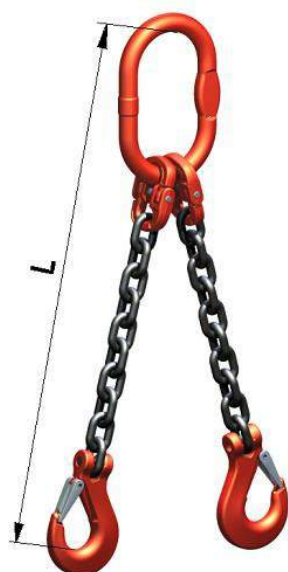
Two-legged chain slings

They comply with the provisions of the Machinery Directive 2006/42/EC.

They have a durable rating plate with the manufacturer's mark, class, factory number, length, CE mark and permissible working load stamped on it.

The length of the sling is made to individual order and is measured between the upper and lower attachment points.

Safety factor 4:1



Symbol	Load Capacity		Possible lengths for production (mb					
	45°-60°[kg]	45°[kg]	1,0	1,5	2,0	3,0	4,0	5,0
L108/2/1,1	1120	1600	●	●	●	●	●	●
L108/2/2,0	2000	2800	●	●	●	●	●	●
L108/2/3,1	3150	4250	●	●	●	●	●	●
L108/2/5,3	5300	7500	●	●	●	●	●	●
L108/2/8,0	8000	11200	●	●	●	●	●	●
L108/2/11	11200	16000	●	●	●	●	●	●
L108/2/15	15000	21200	●	●	●	●	●	●
L108/2/21	21200	30000	●	●	●	●	●	●

Other lengths on request

Chain slings with link and hook . Other configurations on request Ordering diagram: example **L108/2/3.1/5.0**

L108 - chain sling model class 8 2 - number of links

3,1 - load in tonnes 5,0 - sling length **Class 10 - symbol L110**



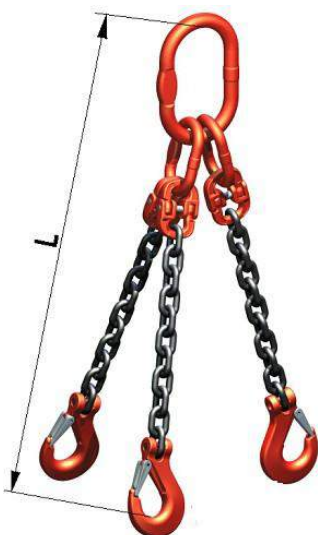
Three-legged chain slings

They comply with the provisions of the Machinery Directive 2006/42/EC.

They have a durable rating plate with the manufacturer's mark, class, factory number, length, CE mark and permissible working load stamped on it.

The length of the sling is made to individual order and is measured between the upper and lower attachment points.

Safety factor 4:1



Symbol	Load Capacity		Possible lengths for production (mb					
	45°-60°[kg]	45°[kg]	1,0	1,5	2,0	3,0	4,0	5,0
L108/3/1,7	1700	2360	●	●	●	●	●	●
L108/3/3,0	3000	4250	●	●	●	●	●	●
L108/3/4,7	4700	6700	●	●	●	●	●	●
L108/3/5,3	8000	11200	●	●	●	●	●	●
L108/3/11	11800	17000	●	●	●	●	●	●
L108/3/17	17000	23600	●	●	●	●	●	●
L108/3/22	22400	31500	●	●	●	●	●	●
L108/3/31	31500	45000	●	●	●	●	●	●

Other lengths on request

Chain slings with link and hook . Other configurations on request

Ordering diagram: example **L108/3/4.7/5.0**

L108 - chain sling model class 3 - number of links 4,7 - load in tonnes 5,0 - sling length **Class 10 - symbol L110**

Four-legged chain slings

They comply with the provisions of the Machinery Directive 2006/42/EC.

They have a durable rating plate with the manufacturer's mark, class, factory number, length, CE mark and permissible working load stamped on it.

The length of the sling is made to individual order and is measured between the upper and lower attachment points.

Safety factor 4:1



Symbol	Load Capacity		Possible lengths for production (mb					
	45°-60°[kg]	45°[kg]	1,0	1,5	2,0	3,0	4,0	5,0
L108/4/1,7	1700	2360	●	●	●	●	●	●
L108/4/3,0	3000	4250	●	●	●	●	●	●
L108/4/4,7	4700	6700	●	●	●	●	●	●
L108/4/5,3	8000	11200	●	●	●	●	●	●
L108/4/11	11800	17000	●	●	●	●	●	●
L108/4/17	17000	23600	●	●	●	●	●	●
L108/4/22	22400	31500	●	●	●	●	●	●
L108/4/31	31500	45000	●	●	●	●	●	●

Other lengths on request

Chain slings with link and hook . Other configurations on request

Ordering diagram: example **L108/4/4.7/5.0**

L108- chain sling model class 4- number of links 4,7 - load in tonnes 5,0 - sling length **Class 10 - symbol L110**



Universal chain hoist



Bravo™ AC lever hoist

Lightweight and compact construction made of aluminium Built-in gearbox to reduce the force needed to operate the unit

Supplied with a carrying case as standard

	Weight	Capacity	Number/strike force	Chain length	Chain pitch
L2/250/1,5	2.3 kg	250 kg	1	1.5mb	4x12 mm
L2/500/1,5	3.3 kg	500 kg	1	1.5mb	5x15 mm

Universal chain hoist



Bravo 500 kg

Bravo 750 kg
Bravo 1500 kg
Bravo 3000 kg

Bravo 6000 kg

Bravo™ series chain hoists with Double Click system Highly extensible steel alloy used in the construction of the hoist. Ideal for construction, industry and shipyards.

It can be used in any position, whether on site or on the factory floor.

Perfect for pulling, lifting, positioning and adjusting. 360° rotating hook.

No possibility to set the hoist in neutral position,

when the load is suspended from the hook, with automatic brake engagement.

Automatic double ratchet brake.

Tested at 150% DOR.

Self-lubricating rust-protected chain with COROLIM® coating - complies with EN818-7.

Fully compliant with EN13157, TÜV Rheinland certified

	Weight	Capacity	Number/strike force	Chain length	Chain pitch
L2/500/1,5	3.3 kg	500 kg	1	1.5mb	5x15 mm
L2/750/1,5	7.0 kg	750 kg	1/18 mm	1.5mb	6x18 mm
L2/750/3,0				3.0mb	
L2/750/4,0				4.0mb	
L2/750/5,0				5.0mb	
L2/1500/1,5	11.0 kg	1500 kg	1/15 mm	1.5mb	8x24 mm
L2/1500/3,0				3.0mb	
L2/1500/4,0				4.0mb	
L2/1500/5,0				5.0mb	
L2/3000/1,5	20.0 kg	3000 kg	1/17 mm	1.5mb	10x30 mm
L2/3000/3,0				3.0mb	
L2/3000/4,0				4.0mb	
L2/3000/5,0				5.0mb	
L2/6000/1,5	30.0 kg	6000 kg	2/8.5 mm	1.5mb	10x30 mm
L2/6000/3,0				3.0mb	
L2/6000/4,0				4.0mb	
L2/6000/5,0				5.0mb	



L2/CLD 4-5

Guard for 250-500kg hoists

L2/CLD 6

Guard for 750-1000kg hoists

L2/CLD 7-8

Guard for 1500kg hoists

L2/CLD 10

Guard for 3000-6000kg hoists



Universal chain hoist

Yale®
Handy



Versatile lifting, sliding and cargo securing characterised by compact design and sturdy sheet steel construction. Its low dead weight and smooth chain travel make this unit is easy to use and versatile.

Yale®
Handy

	Weight	Capacity	Number/strike force	Chain length	Chain pitch
L4/250/1,5	2.2 kg	250	kg1/80 mm		4x12 mm
L4/500/1,5	1.5mb				4x12 mm

Yale®
UNO Plus Series



Yale®
UNO series

	Weight	Capacity	Number/strike force	Chain length	Chain pitch
L4/750/1.5	7.2 kg	750 kg	1/20 mm	1.5mb	6x18 mm
L4/750/3.0				3.0mb	
L4/750/4.0				4.0mb	
L4/750/5.0				5.0mb	
L4/1500/1,5	12.5 kg	1500 kg	1/22 mm	1.5mb	8x24 mm
L4/1500/3,0				3.0mb	
L4/1500/4,0				4.0mb	
L4/1500/5,0				5.0mb	
L4/3000/1.5	21.5 kg	3000 kg	1/17 mm	1.5mb	10x30 mm
L4/3000/3.0				3.0mb	
L4/3000/4.0				4.0mb	
L4/3000/5.0				5.0mb	
L4/6000/1.5	32.0 kg	6000 kg	2/9 mm	1.5mb	10x30 mm
L4/6000/3.0				3.0mb	
L4/6000/4.0				4.0mb	
L4/6000/5.0				5.0mb	

Yale®

	Weight	Capacity	Number/jump ties	Length chain	Pitch chain
PT series					
L5/800/1,5	5.5 kg	800 kg	1/24 mm	1.5mb	5.6x17.1 mm
L5/800/3,0				3.0mb	
L5/800/4,0				4.0mb	
L5/800/5,0				5.0mb	
L5/1600/1,5	9.6 kg	1600 kg	1/23 mm	1.5mb	7.1x21.2 mm
L5/1600/3,0				3.0mb	
L5/1600/4,0				4.0mb	
L5/1600/5,0				5.0mb	
L5/3200/1,5	16.0 kg	3200 kg	1/16 mm	1.5mb	9x27.2 m.
L5/3200/3,0				3.0mb	
L5/3200/4,0				4.0mb	
L5/3200/5,0				5.0mb	
L5/6300/1,5	31.0 kg	6300 kg	2/8 mm	1.5mb	9x27.2 m.
L5/6300/3,0				3.0mb	
L5/6300/4,0				4.0mb	
L5/6300/5,0				5.0mb	

* PT model optionally available with overload protection



Universal chain hoist

KITO



KITO's L8 type hoists are characterised by, among other things:

Unique free-wheel chain adjustment mechanism with safeguards against accidental freewheeling under load Reinforced lever handle Smooth-running gear mechanism for trouble-free operation Chain manufactured by KITO, nickel-plated. Ensures the highest quality and safety in accordance with EN818-7

Explanation of markings:

L8-OF - models without freewheel chain adjustment mechanism

L8-OLL - with optional slipping clutch to prevent the unit from being overloaded by a higher than nominal weight.

The L8 KITO lever hoist is an original and reliable piece of equipment, which will prove its worth in all conditions. The unique freewheel chain adjustment mechanism effectively prevents accidental freewheeling. Thanks to the reinforced lever handle and the smooth The operating gear mechanism makes the KITO hoist easy to operate.

A load capacity of 6.3 to 9 tonnes with a low dead weight and compact design is a guarantee of efficient work. Four-fold riveting for the highest level of safety, class 100 (V) nickel-plated load chain and a safety hook pawl are additional advantages that make KITO equipment a great choice.



	Weight	Capacity	Number of thorns	Length chain	Pitch chain
L8/250/1,5	1.7 kg	250 kg	1	1.5mb	3.2x9 mm
L8/250/3,0	2.0 kg	250 kg	1	3.0 mb	3.2x9 mm
L8/500/1,5	2.7 kg	500 kg	1	1.5mb	4.3x12 mm
L8/500/3,0	3.3 kg	500 kg	1	3.0 mb	4.3x12 mm

	Weight	Capacity	Number of thorns	Chain length	Chain pitch
L8/800/1,5	5.7 kg	800 kg	1	1.5mb	5.6x15.7 mm
L8/800/3,0	6.8 kg			3.0mb	
L8/800/6,0	8.9 kg			6.0mb	
L8/1000/1,5	5.9 kg	1000 kg	1	1.5mb	5.6x15.7 mm
L8/1000/3,0	7.0 kg			3.0mb	
L8/1000/6,0	9.1 kg			6.0mb	
L8/1600/1,5	8.0 kg	1600 kg	1	1.5mb	7.1x19.9 mm
L8/1600/3,0	9.7 kg			3.0mb	
L8/1600/6,0	13.0 kg			6.0mb	
L8/2500/1,5	11.2 kg	2500 kg	1	1.5mb	8.8x24.6 mm
L8/2500/3,0	13.8 kg			3.0mb	
L8/2500/6,0	18.9 kg			6.0mb	
L8/3200/1,5	15.0 kg	3200 kg	1	1.5mb	10.0x28.0 mm
L8/3200/3,0	18.5 kg			3.0mb	
L8/3200/6,0	25.4 kg			6.0mb	
L8/6300/1,5	26.0 kg	6300 kg	2	1.5mb	10.0x28.0 mm
L8/6300/3,0	33.1 kg			3.0 mb	
L8/6300/6,0	47.2 kg			6.0 mb	
L8/9000/1,5	40.0 kg	9000 kg	3	1.5mb	10.0x28.0 mm
L8/9000/3,0	50.5 kg			3.0 mb	
L8/9000/6,0	71.5 kg			6.0 mb	



Universal chain hoist



Yale ERGO 360	Weight	Capacity	Number/strike force	Chain length	Chain pitch
L6/750/1,5	6.6 kg	750 kg	1/27.2 mm	1.5mb	5.6x17.1 mm
L6/750/3,0				3.0mb	
L6/750/4,0				4.0mb	
L6/750/5,0				5.0mb	
L6/1500/1,5	9.5 kg	1500 kg	1/21.7 mm	1.5mb	7.1x21mm
L6/1500/3,0				3.0mb	
L6/1500/4,0				4.0mb	
L6/1500/5,0				5.0mb	
L6/3000/1,5	16.8 kg	3000 kg	1/20.1 mm	1.5mb	10x28 mm
L6/3000/3,0				3.0mb	
L6/3000/4,0				4.0mb	
L6/3000/5,0				5.0mb	
L6/6000/1,5	28.6 kg	6000 kg	2/10.1 mm	1.5mb	10x28 mm
L6/6000/3,0				3.0mb	
L6/6000/4,0				4.0mb	
L6/6000/5,0				5.0mb	

Universal chain hoist



Robust sheet steel construction in a compact design.

- Free gear switch fitted as standard
- Integral sprocket eliminates jamming and noise

no chain śny

	Weight	Capacity	Number/strike force	Chain length	Chain pitch
L3/750/1,5	7.5 kg	750 kg	1/18 mm	1.5mb	6x18 mm
L3/750/3,0				3.0mb	
L3/750/4,0				4.0mb	
L3/750/5,0				5.0mb	
L3/1500/1,5	11.5 kg	1500 kg	1/15 mm	1.5mb	8x24 mm
L3/1500/3,0				3.0mb	
L3/1500/4,0				4.0mb	
L3/1500/5,0				5.0mb	
L3/3000/1,5	21.0 kg	3000 kg	1/17 mm	1.5mb	10x30 mm
L3/3000/3,0				3.0mb	
L3/3000/4,0				4.0mb	
L3/3000/5,0				5.0mb	
L3/6000/1,5	31.5 kg	6000 kg	2/8.5 mm	1.5mb	10x30 mm
L3/6000/3,0				3.0mb	
L3/6000/4,0				4.0mb	
L3/6000/5,0				5.0mb	



Rope winch



Rope winch, cast aluminium body giving a low dead weight of the winch when a heavy load is applied
Can be used as a single- or double-tie. Corrosion-resistant
For tensioning cables on overhead lines

	Capacity 1/2 ties	Rope length 1/2 ties	
L76/1	250 / 500 kg	7,6 / 3,8	4.4 kg
L76/2	500 / 1000 kg	3,0 / 1,5	4.6 kg
L76/3	500 / 1000 kg	8,8 / 4,4	6.5 kg
L79	700 / 1400 kg	6,0 / 3,0	8.3 kg
L80	900 / 1800 kg	4,4 / 2,2	15.0 kg

Rope winch



Winch made of tool steel with low weight. Can be used as a single- or double-pull.
Manual winch for tensioning conductors in overhead LV lines equipped with a ratchet mechanism with a switch.

	Ø rope/m	Load capacity	Weight
L116/1500	6.5 mm / 1.2 m.	1500 kg	4.2 kg
L116/2000	7.0 mm / 1.5 m.	2000 kg	4.9 kg

Belt winch



Belt winch made of tool steel with low weight.
Heavy-duty belt Double-stranded winch.
For tensioning cables on overhead lines

	belt dimension	working range	Capacity	Weight
L97/1500	2.2 x 40 mm	450-2000 mm	1500 kg	4.5 kg



Manual cable winch

Yale®



The Yaletrac ST portable rope winch is a versatile tool for pulling, lifting, lowering, tensioning and securing loads over long distances.

It was specifically designed for industrial applications, for the construction of power lines.

Yaletrac ST has a housing of dimensionally stable deep-drawn steel plates for compactness and robust construction. The working force of the handle has been noticeably optimised for the user by the application of the axial ball bearings

Y05 ST
Y10 ST
Y16 ST
Y32 ST

Ø rope/m

Load capacity

Weight without

6.0 mm / 20 m	500 kg	6.0 kg
8.4 mm / 20 m	1000 kg	8.4 kg
11.5 mm / 20 m	1600 kg	15.8 kg
16.0 mm / 20 m	3200 kg	27.2 kg



Portable device for pulling, lifting, lowering, tensioning safely working over long distances.

- resistant steel housing
- low weight
- indestructible, large-surface double handles
- maintenance-free
- Easy-to-change overload pin

L95/1
L95/2
L95/3

Ø rope/m

Load capacity

Weight

8 mm/20 m	800 kg	6.0 kg
11 mm/20 m	1600 kg	12.0 kg
16 mm/20 m	3200 kg	22.0 kg

Tractel



TIRFOR® 500 series hoist Compact, lightweight and easy to move

A combination of portability and safety.

Recommended for applications where transferability is an important criterion

T508
T516
T532

Ø rope/m

Load capacity

Weight

8.3 mm/20 m	800 kg	6.6 kg
11.5 mm/20 m	1600 kg	13.5 kg
16.3 mm/20 m	3200 kg	24.0 kg

Tractel



TIRFOR® TU series hoist

For lifting, pulling and positioning heavy loads

Unsurpassed in terms of durability and strength

TU8
TU16
TU32

Ø rope/

Capacit

Weig

8.3 mm/20 m	800 kg	8.4 kg
11.5 mm/20 m	1600 kg	20.0 kg
16.3 mm/20 m	3200 kg	27.0 kg

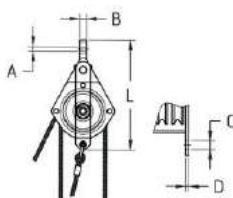


Multi-circle



For rapid lifting, pulling, tensioning
Design : Galvanised compact sheet steel construction
Three rolls in each block .
Guide and eyelet for nylon rope attachment
Rope as required 20m/30m/40m
Tested multicorner load 4x multiples

	Weight	Length	Ø Nylon rope /m	Capacity
L74/300/20	3100 g	590 mm	10 mm/20 m	300 kg
L74/300/30	3100 g	590	mm10 mm/30 m	300 kg
L74/300/40	3100 g	590	mm10 mm/40 m	300 kg
L74/500/30	8100 g	790	mm16 mm/30 m	500 kg
L74/500/40	8100 g	790	mm16 mm/40 m	500 kg



For lifting, pulling, tensioning overhead lines during construction
Design : Galvanised compact sheet steel construction
on ball bearings
Hitching ; shackle
Wire rope as required 9-12 mm



	Number of	Diameter of discs	Ø Rop	L	A	B	C	D	Weight
028/2/25	2	160	9 mm	380	22	22	11	10	25 kg
028/2/30	2	180	9 mm	370	22	22	11	10	30 kg
028/3/35	3	160	9 mm	450	25	22	11	10	35 kg
028/3/45	3	180	9 mm	410	25	22	11	10	45 kg
028/4/70	4	180	9 mm	440	26	22	22	12	70 kg
028/5/100	5	208	12 mm	500	35	26	22	12	100 kg

Tirvit™

Wire and cable tensioning device



Wire and wire rope tensioning device
Lightweight, compact and easy to carry For tensioning:
Electrical and telephone lines, fencing, lashings and loose ropes
To be drawn in:
Caravans, vehicles that get stuck, light machinery, trailer loads, boats on dry land or trailers
For pulling out
Stakes, brushwood, trees and shrubs

	Ø rope/m	Breaking load	Load capacity	Weight
L7/400	2.0 -8.0 mm	4000 kg	400 kg	4.0 kg
L7/600	7.0 -15.0 mm	8000 kg	600 kg	5.2 kg
L7/800	14.0 -18.0 mm	16000 kg	800 kg	6.2 kg



400 series cable tensioning clamps model 04



Tensioning clamps **400/04** series
Aluminium cable clamps (frog)
A.C.S.R , copper and steel
Made of high-quality alloy steel
Tensile resistant , heat treated, and galvanised

Full range of interchangeable inserts.
Working range 30.0 mm to 45.0 mm.
Working force 55.0 kN
Maximum safe load 117 kN



Minimum breakingload 285.0 kN
Weight 17.0 kg
Exchangeable jaws for AFL , Al. , Cu , wire rope

(on the next page)

Jaw working length 282 mm

400 series cable tensioning clamps model 05



Tensioning clamps **400/05** series
Handles (frog) for aluminium A.C.S.R , copper and steel wires
Made of high-quality alloy steel
Tensile resistant , heat treated, and galvanised Full range of interchangeable inserts.
Working range 18 mm to 32 mm
Working force 47.0 kN.
Maximum safe load 88.0 kN

Minimum breaking load 235.0 kN
Weight 13.5 kg
Exchangeable jaws for AFL , Al. , Cu , wire rope

(on the next page)

Jaw working length 278 mm

400 series cable tensioning clamps model 07



Tensioning clamps series **400/07**
Handles (frog) for aluminium A.C.S.R , copper and steel wires
Made of high-quality alloy steel
Tensile strength, heat-treated and galvanised Full range of interchangeable inserts.
Working range 8 mm to 24.5 mm.
Working force 30.0 kN.
Maximum safe load 49.0 kN

Minimum breaking load 150.0 kN
Weight 7.0 kg
Exchangeable jaws for AFL , Al. , Cu , wire rope

(on the next page)

Jaw working length 172 mm



Replaceable
inserts for
aluminium cables



Working range (mm) min - max		AFL (ACSR)	400/04	400/05	400/07
6,0	6,5				
6,5	8,0	6-25			
8,0	9,5	6-35			410-07-03
9,5	11,0	6-50			410-07-04
11,0	12,5	6-70			410-07-05
12,0	13,5				
12,5	14,0	6-95			410-07-06
13,5	15,0	6-95			
14,0	15,5				410-07-07
15,0	16,5	6-120			
15,5	17,0	6-120			410-07-08
16,5	18,0	6-150			
17,0	18,5	6-150			410-07-09
18,0	19,5	6-185		410-05-05	
18,5	20,0	6-185			410-07-10
19,5	21,0			410-05-06	
20,0	21,5				410-07-11
21,0	22,5	6-240		410-05-07	
21,5	23,0	6-240			410-07-12
22,5	24,0			410-05-08	
24,0	25,5	6-300		410-05-09	
25,5	27,0	8-350		410-05-10	
27,0	28,5	8-400		410-05-11	
28,5	30,0			410-05-12	
30,0	31,5	8-525	410-04-13	410-05-13	
31,5	33,0	8-525	410-04-14	410-05-14	
33,0	34,5		410-04-15		
34,5	36,0		410-04-16		
36,0	37,5		410-04-17		
37,5	39,0		410-04-18		
39,0	40,5		410-04-19		
41,0	45,0		special execution		

* inserts for handle 400/04 for
copper ropes from 25.5-39.0
mm on request

* inserts for handle 400/05 for
copper ropes from 13.5-32.0
mm on request

* inserts for handle 400/07 for
copper ropes from 8.0-15.5
mm on request

Cable tensioning clamps for non-insulated cables



Cable tensioning clamps for non-insulated overhead lines
The chuck has jaws with a clamping system specially designed for pulling
Al..AFL cables and wires, The chuck range is characterised by its very low
weight

Symbol	Working load	Cable		maxAFL	Max working range	Weight
		AAL max				
L30	10 kN	95	mm ²	6-95	14 mm	1.05 kg
L31	15 kN	150	mm ²	6-150	18 mm	1.40 kg
L32	25 kN	240	mm ²	6-240	24 mm	2.90 kg
L33	40 kN	525	mm ²	8-525	32 mm	4.00 kg
L34	50 kN	675	mm ²	8-675	37 mm	6.70 kg
L35	70 kN	675	mm ²	8-675	40 mm	10.0 kg



Cleaning and maintenance kit KA403-S00 consisting of:
N°1 Spray graphite
N°1 solvent spray cleaner N°1 abrasive cloth
Cleaning cloth No. 1

Model 403

A.C.S.R aluminium cable clamps ,
Made of high-quality alloy steel
tensile strength, heat-treated and galvanised

Model 403/01

Complete with 14 mm x 900 mm diameter steel sling, rear U-protection
as standard saddle, suitable for
Insertion range 9.0-24.5 mm Operating
force (WL) 26 kN (ratio 5:1) Breaking force (BL) 130 kN
Weight 4.5 kg
Weight of interchangeable jaws 2.0 kg

Range operation (mm) min (mm) max		jaw model	
9,0	10,7	AFL (ACSR)	413-01-10
10,8	12,5	AFL (ACSR)	413-01-12
12,6	14,3	AFL (ACSR)	413-01-14
14,4	16,1	AFL (ACSR)	413-01-16
16,2	18,2	AFL (ACSR)	413-01-18
18,3	20,4	AFL (ACSR)	413-01-20
20,5	22,5	AFL (ACSR)	413-01-22
22,6	24,5	AFL (ACSR)	413-01-24

Model 403/02

Complete with 16mm x 1100mm diameter steel sling with rear U-
protection as standard
saddle, suitable for
Insertion range 18.3-32 mm Operating force
(WL) 45 kN (ratio 5:1) Breaking force (BL) 225 kN
Weight 7.0 kg
Weight of interchangeable jaws 2.5kg

Range operation (mm) min (mm) max		jaw model	
18,3	20,4	AFL (ACSR)	413-02-20
20,5	22,5	AFL (ACSR)	413-02-22
22,6	24,5	AFL (ACSR)	413-02-24
24,5	26,9	AFL (ACSR)	413-02-27
27,0	29,4	AFL (ACSR)	413-02-29
29,5	32,0	AFL (ACSR)	413-02-32

Model 403 model 03

Complete with 20mm x 1400mm diameter steel sling with rear U-
protection as standard
Interchangeable insertion range 24.5-38.5
mm Operating force (WL) 55 kN (ratio 5:1)
Breaking force (BL) 275 kN
Weight 11.5 kg
Weight of interchangeable jaws 3.0 kg

Range operation (mm) min (mm) max		jaw model	
24,5	26,9	AFL (ACSR)	413-03-27
27,0	29,4	AFL (ACSR)	413-03-30
29,5	32,0	AFL (ACSR)	413-03-31
30,1	32,0	AFL (ACSR)	413-03-32
32,1	34,0	AFL (ACSR)	413-03-34
34,1	36,2	AFL (ACSR)	413-03-36
36,3	38,5	AFL (ACSR)	413-03-38



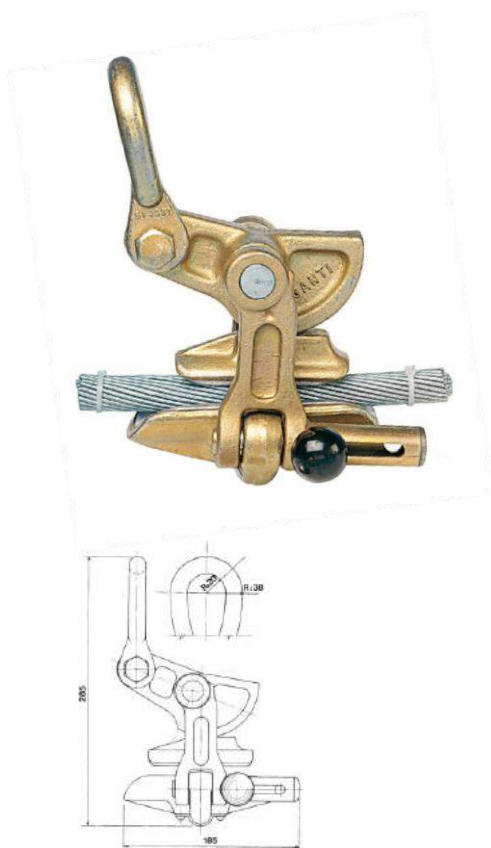
Cable tensioning clamps 400/11 series



Tensioning clamps 400/11 series
Handles (frog) for aluminium conductors A.C.S.R ,
copper wires Made of high-quality alloy steel
Tensile resistant, heat treated, and galvanised
Full range of interchangeable inserts.
Working range 7 mm to 16
mm. Working force 12.8 kN
Safe maximum load 21.2 kN
Minimum breaking load 64 kN
Weight 2.5 kg
Exchangeable jaws for AFL wire , Al , Cu , copper wires

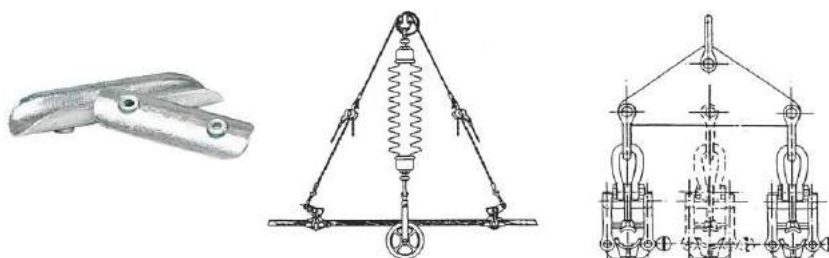
Working range (mm)	Working range (mm) min max	(ACSR)	AFL cables aluminium	Wires copper	Wire copper
7,0	8,5	6-35	410-11-01	410-11-R01	
8,5	10,0	6-50	410-11-02	410-11-R02	
10,0	11,5	6-70	410-11-03	410-11-R03	
11,5	13,0		410-11-04	410-11-R04	
13,0	14,5	6-95	410-11-05	410-11-R05	
14,5	16,0	6-120	410-11-06	410-11-R06	
8,0					410-11-A07
9,0					410-11-A08
10,0					410-11-A09
13,0					410-11-A10

Cable tensioning clamps series 400/08



Tensioning bracket L08 series
Lifting clamps (frog) for overhead lines Made of high-grade alloy steel
Tensile resistant , heat treated, and galvanised
Full range of interchangeable inserts.
Working range 7.0 mm to 38.0 mm.
Working force 19.6 kN
Maximum safe load 39.2 kN
Minimum breaking load 110 kN
Weight 5.5 kg

Working range (mm)	Working range (mm) min max	Jaw symbol wire Al.
7,0	11,0	L08/7
9,0	12,0	L08/9
12,0	16,0	L08/12
15,0	23,0	L08/15
22,0	36,0	L08/22
30,0	38,0	L08/30





Clamps for tensioning non-insulated wires and steel cables



Grips used for gripping non-insulated conductors during the tensioning of the main overhead line . The handle has jaws with a clamping system specially designed for pulling non-insulated lines. The handle is characterised by a very low weight and has a safety latch which prevents the cable from slipping out during the pulling process.

Symbol	Mesh size	Working load	AFL 6	AL..	AAL	Cu rope	Working range		Weight
			min	max			min	max	
L90	37x23 mm	1000 kg (9.8 kN)	16-120	16-120	16-95	95-120	2,6	15,0	0.7 kg
L91	42x24 mm	2000 kg (19.6 kN)	16-240	16-240	16-240	95-150	4,0	22,0	1.3 kg
L93	50x30 mm	3000 kg (29.4 kN)	120-525		120-525		16,0	32,0	2.3 kg

Insulated cable tensioning clamps



Grips used to grip insulated cables and wires during tensioning
The chuck has jaws with a clamping system specially designed for pulling through cables and wires in insulation Dedicated chucks for PAS , GREENPAS ADSS , EXCEL , AXCES The range of chucks is characterised by its very low weight

Symbol	Working load	Working range		Weight
		min	max	
L20/1	10 kN	10,0	14,0	1.4 kg
L20/2	15 kN	14,0	20,0	3.0 kg
L20/3	20 kN	20,0	25,0	4.0 kg
L20/4	25 kN	25,0	32,0	4.0 kg

Insulated cable tensioning clamps



Handles used for gripping insulated cables during the pulling of the main overhead line . The clamp has jaws with a clamping system specially designed for pulling insulated lines (corrugated) . The range of handles is characterised by very low weight

Symbol	AsXS 0,6/1 kV insulated conductor	Mesh size	Working load	Working range mm		Weight
				min	max	
L50	4x16-35	27x40 mm	500 kg	8,0	25,0	0.9 kg
L51	4x16-70	30x45 mm	1200 kg	16,0	34,0	2.1 kg
L52	4x50-120	30x45 mm	1800 kg	28,0	45,0	3.1 kg



Anti-twist wire rope tensoning handle



Handle for tensoning anti-twist pilot wire in the construction of high-voltage overhead lines Features high load rating of the gripping jaws

Symbol	Load working	Max working range	Weight
L36	30 kN	9-11 mm	4.6 kg
L37	50 kN	11-15 mm	6.5 kg
L38	70 kN	16-18 mm	8.5 kg
L39	120 kN	19-24 mm	13.6 kg

OPGW cable tensoning chuck with fixed jaws



Handle for tensoning OPGW wires during construction of overhead lines
Handle with fixed jaws in the specified working ranges

Symbol	Load working	Max working range	Weight
L46	16 SC	11-15 mm	5,0
L47	30 kN	16-18 mm	5,5
L48	60 kN	20-24 mm	10,0

OPGW cable tensoning clamps with replaceable inserts



Handle for tensoning OPGW cables during the construction of overhead lines Handle with interchangeable inserts to match cable diameters Full range of interchangeable inserts.

Symbol	Burden working/safe/breakdown	Max. working range (inserts)	Weight
400/12	30 kN / 49 kN / 150 kN	6-23 mm	7,0

Working range (mm)	min	max	Cable	Symbol
6,0	7,0		OPGW	410-12-06
7,0	8,0		OPGW	410-12-07
8,0	9,0		OPGW	410-12-08
9,0	10,0		OPGW	410-12-09
10,0	11,0		OPGW	410-12-10
11,0	12,0		OPGW	410-12-11
12,0	13,0		OPGW	410-12-12
13,0	14,0		OPGW	410-12-13
14,0	15,0		OPGW	410-12-14
15,0	16,0		OPGW	410-12-15
16,0	17,0		OPGW	410-12-16
17,0	18,0		OPGW	410-12-17
18,0	19,0		OPGW	410-12-18
19,0	20,0		OPGW	410-12-19
20,0	21,0		OPGW	410-12-20
21,0	22,0		OPGW	410-12-21
22,0	23,0		OPGW	410-12-22

* Upper jaw made of Adiprene lower jaw made of aluminium.

** All jaws made for a specific rope diameter in the above mentioned range Jaw working length 172 mm



Cable tensioning clamps series 400/06



Tensioning bracket series 400/06
Handles (frog) for copper and steel wires
Made of high-grade alloy steel
Tensile resistant, heat treated, and galvanised
Full range of interchangeable inserts.
Working range 7.5 mm to 18.0 mm.
Working load 25.0 kN
Maximum safe load 50 kN
Minimum breaking load 125 kN
Weight 7 kg

Clamps for tensioning non-insulated Cu-wires and steel cables



Grips used for gripping non-insulated Cu-wires during the pulling of Cu-wires or wire ropes Grips have jaws with a clamping system specially designed for pulling Cu-wires
The range of handles is characterised by very low weight

Symbol	Mesh size	Working load	L (Cu rope)	Range working min max	Weight
L54/1	20x20 mm	500 kg (4.9 kN)		1,0 5,0	0.3 kg
L54	27x27 mm	1700 kg (16.7 kN)	25-70	4,0 12,0	1.2 kg
L55	25x38 mm	3000 kg (29.4 kN)	25-150	6,0 18,0	1.8 kg
L56	30x40 mm	3500 kg (34.3 kN)	70-150	10,0 28,0	3.8 kg
L56/1	30x40 mm	4000 kg (39.2 kN)		20,0 40,0	6.2 kg

Handles for tensioning non-insulated Al/St wires

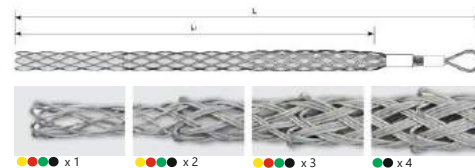


Grips used for gripping non-insulated conductors during the tensioning of Al/AFL main overhead line and steel cables
The chuck has jaws with a clamping system specially designed for pulling Al...AFL cables and wires , The chuck range is characterised by its very low weight

Symbol	Mesh size	Working load	AFL 6	AL...	AAL	Working range mm min max	Weight
L57/1	22x22 mm	1000 kg (9.8 kN)	16-35	25-35	16-35	5,4 8,5	0.8 kg
L57	27x27 mm	1700 kg (16.7 kN)	16-70	16-70	16-70	5,0 12,0	1.2 kg
L58	25x38 mm	3000 kg (29.4 kN)	35-150	50-185	35-150	8,0 18,0	1.8 kg
L59	30x40 mm	3500 kg (34.3 kN)	120-300	150-300	120-400	15,0 28,0	3.6 kg
L59/1	30x40 mm	4000 kg (39.2 kN)	*350-675		240-675	20,0 40,0	6.2 kg



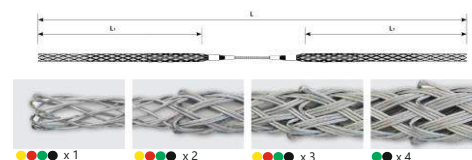
Stockings for pulling wires in overhead lines



Stocking for overhead line work Characterised by high tensile strength with ideal wire rope weave parameters
Colour coding of the stockings facilitates precise selection of the stocking on site
Special version R - reinforced for breaking load

End stocking in overhead lines

Symbol	Ø rop	number	L1	Working range mm	Breaking force
CTT 00	1,2-1, 2-1, 5	5	1100 1400	8-17	35 0,70
CTT 00 R	1,5-1,5-2, 0	5	1100 1400	8-17	50 0,90
CTT 01	2, 0-2, 0-2, 0	5	1360 1700	17-29	85 1,30
CTT 01 R	2, 0-2, 5-2, 5	5	1360 1700	17-29	100 1,50
CTT 02	2, 0-2, 0-2, 0-2, 0	6	1470 1900	29-38	130 2,10
CTT 02 R	2, 0-2, 5-3, 2	6	1470 1900	29-38	150 2,50
CTT 03	2, 0-2, 5-2, 5-2, 5	6	1820 2270	38-50	180 2,70
CTT 03 R	3, 0-3, 0-3, 2	6	1820 2270	38-50	210 3,00



Stocking for overhead line work Characterised by high tensile strength with ideal wire rope weave parameters
Colour coding of the stockings facilitates precise selection of the stocking on site
Special version R - reinforced for breaking load

Overhead line stocking

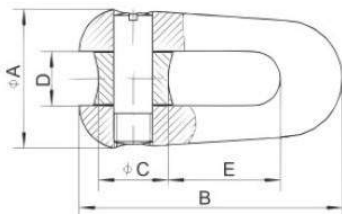
Symbol	Ø rope number	of ropes	L1	L	Working range mm	Breaking force	Weight kg	
CTG 00	1,2-1, 2-1, 5	5	1100	2680	8-17		35	1,15
CTG 00 R	1,5-1,5-2, 0	5	1100	2680	8-17		50	1,25
CTG 01	2, 0-2, 0-2, 0	5	1360	3240	17-29		85	2,30
CTG 01 R	2, 0-2, 5-2, 5	5	1360	3240	17-29		100	2,50
CTG 02	2, 0-2, 0-2, 0-2, 0	6	1470	3540	29-38		130	3,60
CTG 02 R	2, 0-2, 5-3, 2	6	1470	3540	29-38		150	3,80
CTG 03	2, 0-2, 5-2, 5-2, 5	6	1820	4240	38-50		180	4,80
CTG 03 R	3, 0-3, 0-3, 2	6	1820	4240	38-50		210	5,00



U-joints

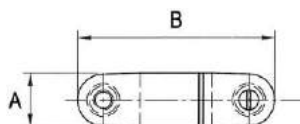


U-joint
Made from high-strength steel and suitable for pilot wire.



Symbol	A	B	C	D	E	Operating force kN	Breaking force	Kg
L03/1	36	68	18	14	29	10,0	30,0	0,2
L03/3	37	76	20	17	31	30,0	120,0	0,2
L03/5	50	96	23	19	42	50,0	150,0	0,6
L03/8	56	110	28	22	50	80,0	240,0	0,8

Fixed swivel



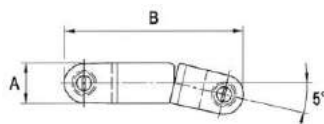
Fixed swivel
Made from high tensile strength, galvanised steel, suitable for use as a connection element between rope and wire or cable, in order to avoid the build-up of torsional stresses, rotation on the balls.



Symbol	A	B	C	D	E	Workforce kN	Breaking load kN	Kg
	1,5	60	35	9	7	5,0	15,0	0,1
	30	100	70	12	13	10,0	30,0	0,4
	37	129	95	16	16	30,0	90,0	0,6
	42	154	116	18	17	50,0	150,0	1,5
	57	220	165	24	22	80,0	240,0	2,4

Symbol	A	B	D	Working force kN	Breaking force kN	
250 AR	32	120	15	17	26,7	80,0
250 BCR	45	170	19	22	60,0	180,0
250 DR	60	220	24	24	120,0	360,0
250 ER	77	330	28	28	250,0	750,0

Movable swivel



Movable swivel
Made from high tensile strength, galvanised steel, suitable for use as a connection element between rope and wire or cable, to avoid accumulation of torsional stresses, rotation on balls. The movable version is suitable for passing through winches

Symbol	A	B	Rope	Breaking force daN	Kg
250	20	62,0	6,0	2500	0,1
250 A	32	125,0	10,0	6000	0,5
250 B	45	195,0	15,0	12000	1,4



Anti-twist steel cable



Galvanised steel wire rope,
untwisted, 12 strand model 1000 Dedicated
lengths wrapped on steel spools

It is used as a pilot or hauling rope in overhead
or cable lines

Symbol	Ø mm	Weaves	Diameter (mm)	Rope weight kg/m	Operating force kN	Standard length (m.)
21.12.08	8,0	12	2,0	0,22	13,1	1000
21.12.09	9,0	12	2,5	0,25	16,3	1000
21.12.10	10,0	12	3,0	0,40	24,0	1000
21.12.11	11,0	12	3,5	0,42	28,0	1000
21.12.13	13,0	12	4,0	0,48	35,0	1000
21.12.16	16,0	12	4,5	0,76	53,3	1000
21.12.18	18,0	12	4,8	1,01	70,6	1000
21.12.20	20,0	12	5,0	1,24	88,3	1000
21.12.22	22,0	12	5,5	1,51	106,6	900
21.12.24	24,0	12	6,0	1,77	125,0	800
21.12.28	28,0	12	6,5	2,41	159,6	600

Dielectric polypropylene rope



Dielectric polypropylene rope

12 strands of monofilament with high tensile strength.
It is a great rope for applications that require maximum
insulation properties

It is produced from 10 mm to 28 mm.

Features: waterproof, flammable, good flexibility

Good UV resistance,

Poor abrasion resistance, Colour: yellow or red

Certifications: Manufactured in accordance with IEC62192
Approved form EDF (France) ref ST-HTB-71B-2 Note: It is
recommended that the rope is clean and dry to ensure the
highest dielectric properties. If the material is not used in
good condition, the manufacturer will not provide the
highest dielectric protection

Symbol	Ø mm	Rope weight g/m	Breaking force kN	Standard length (m.)
23.10	10,0	45,0	14,34	1000
23.12	12,0	65,0	20,76	1000
23.14	14,0	88,0	28,38	1000
23.16	16,0	115,0	37,21	1000
23.18	18,0	145,0	47,26	1000
23.20	20,0	180,0	58,53	800
23.22	22,0	217,0	71,02	800
23.24	24,0	259,0	84,74	800



DYNEEMA synthetic pilot line



DYNEEMA braided synthetic ropes

Dyneema is the trade name for ultra high molecular weight polyethylene (UHMWPE).

Ropes made of Dyneema (comparing by weight) are 15 times stronger than steel rope It is used as pilot or hauling rope in overhead or cable lines



Other dimensions available 2.0-3.0-3.5-4.0-4.5-5.0 Available on reels 850-1100-1250-1400-1600

Symbol	Diameter Ø mm	Breaking force kN	rope density g/m	rope elongation at 30% load	length (m.) standard
4306	6,0	31,9	20,0	1,5%	1000 m.
4308	8,0	58,8	35,0	1,5%	1000 m.
4310	10,0	92,5	56,0	1,5%	1000 m.
4311	11,0	115,0	70,0	1,5%	1000 m.
4312	12,0	137,0	84,0	1,5%	1000 m.
4313	13,0	159,0	98,0	1,5%	1000 m.
4314	14,0	180,0	106,0	1,5%	1000 m.
4316	16,0	211,0	132,0	1,5%	1000 m.
4318	18,0	296,0	186,0	1,5%	1000 m.

DuPont pilot line



Dupont silk fibre material .

PE rope is specially spliced from double-layered polyester fibre with high strength, anti-twist and light weight . It is used as a pilot or hauling rope in overhead or cable lines



Other dimensions available 3.5-4.0-5.0-6.0-8.0 Available on reels 850-1100-1250-1400-1600

Symbol	Diameter Ø mm	Breaking force kN	rope density g/m	rope elongation at 30% load	length (m.) standard
4410	10,0	30,0	80,0	2,0 %	1000 m.
4410 B	10,0	30,0	80,0	2,0 %	1000 m.
4412	12,0	50,0	114,0	2,0 %	1000 m.
4412 B	12,0	50,0	114,0	2,0 %	1000 m.
4414	14,0	60,0	148,0	2,0 %	1000 m.
4414 B	14,0	60,0	148,0	2,0 %	1000 m.
4416	16,0	80,0	180,0	2,0 %	
4418	18,0	100,0	230,0	2,0 %	
4420	20,0	120,0	290,0	2,0 %	



Polypropylene rope



Polypropylene rope

Ropes specially spliced according to EN ISO 1346 Dyed in the raw material . UV stabilised . Resistant to chemical and organic substances and does not absorb water.

Delivery on work reels or bales depending on diameter

Symbol	Diameter (mm) Ø mm	Breaking force kN	Rope weight kg/m
1108	8,0	10,0	0,02
1110	10,0	15,0	0,04
1112	12,0	22,1	0,06
1114	14,0	28,0	0,08
1116	16,0	37,5	0,11
1118	18,0	45,0	0,14
1120	20,0	56,0	0,18

Hemp rope



Hemp rope

Characteristics:
made of high quality natural yarn weather resistant
abrasion resistant
uncoloured
fully ecological

Symbol	Diameter (mm) Ø mm	Breaking force kN	Rope weight g/m
1208	8,0	2,5	45
1210	10,0	3,8	67
1212	12,0	4,5	91
1214	14,0	5,6	124
1216	16,0	7,8	163
1218	18,0	8,9	206
1220	20,0	9,9	255

Polypropylene rope stand



Stand for polypropylene and hemp rope

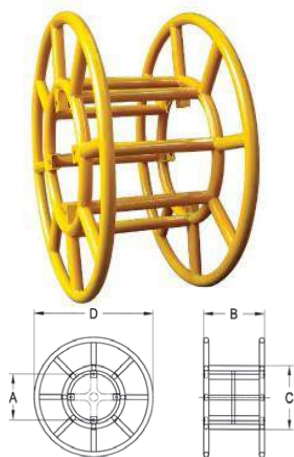
Suitable for winding and unwinding rope during operation
Ideal for use with winch winches .

Rack capacity

Model	12 mm	10 mm	weight
K129	500 m	700 m	745x793x350 21 kg



Steel cable reels

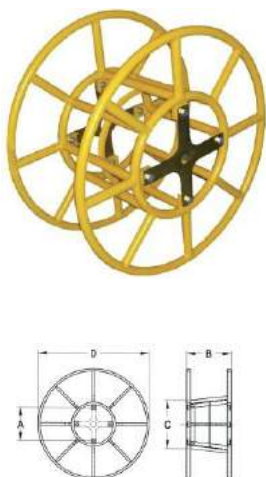


Model 062

Fixed steel spools for steel and nylon ropes suitable for mobile stands. The spools are made of welded steel covered with protective paint.

Symbol	A*	B*	C*	D*	Weight (kg)
062/1 SV	160	410	220	220	30
062/2	560	570	570	1100	60
062/3	560	570	570	1400	90
062/4	560	570	570	1900	135

Demountable steel cable reels



Model 063

Tapered steel spools - demountable for ropes suitable for mobile racks.

The spools are made of welded steel covered with protective paint.

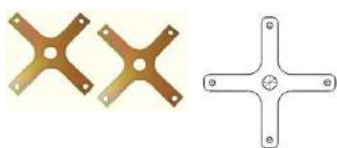
Optional - supplied complete with side fixing crosses 062/CP)

Symbol	A*	B*	C*	D*	Weight (kg)
063/1 SV1	270	524	209	630	27,0
063/2	720	560	610	1100	73,0
063/3	720	560	610	1400	88,0
063/4	720	560	610	1900	127,0

Selection of spools for rope diameters

Spool capacity in metres for standard pilot wire lengths

Symbol	6mm	7mm	8mm	9/10mm	11/12mm	13mm	14mm	16mm	18mm	20mm	22mm	24mm	26mm	28mm	30mm
062/1 SV1	1800	1500	1100	800	-	-	-	-	-	-	-	-	-	-	-
062/2 063/2	7200	6000	3200	2400	1600	1600	1100	900	-	-	-	-	-	-	-
062/3 063/3	14400	12000	6400	3600	2400	2400	2200	1800	1200	1000	900	800	-	-	-
062/4	21600	18000	9600	7200	7200	4800	4400	3600	2400	2000	1800	1600	1400	1200	1060



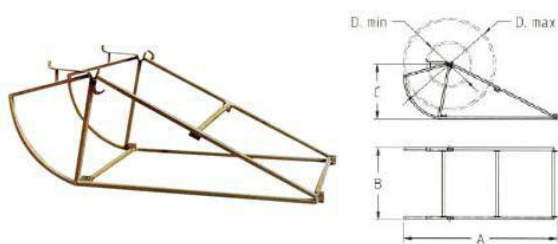
Side fixing crosses 062/CP



Square side adapters 062/CPA Can be used with spool stacking racks Ct40....



Steel spool rack



Model 061

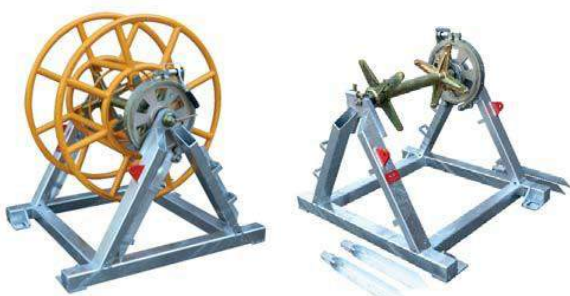
Cradle-type bobbin stand
Stand frame made of galvanised steel ,
removable type for standard reels.



Model 061/...FR
Stands equipped with a disc brake.

Symbol	A*	B*	C*	D min*	D max	Payload	Weight (kg)
061/1	2320	900	835	700	1400	2000 daN	65
061/4	3120	960	1150	-	1900	2600 daN	145
061/1 FR	2320	900	835	700	1400	2000 daN	103
061/1 FR	3120	960	1150	-	1900	2600 daN	183

Steel spool rack



Model 041 FR

Pilot line spool stand equipped with mechanical disc brake
for steering and anchor stakes.
Frame made of galvanised steel .
Designed for standard steel bobbins 062 063

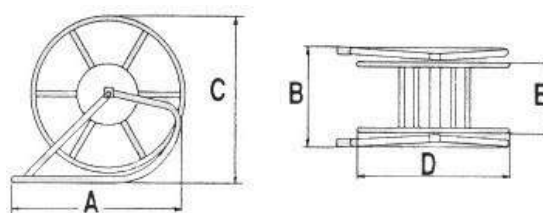
Maximum spool diameter :1400mm Maximum
load capacity: 2000 Kg
Weight : 190 Kg

Steel spool rack



Model 060

Cradle-type pilot line reel stand
Stand frame made of welded steel with protective paint.



Symbol	A*	B*	C*	D*	E	Rope length (m.)		Weight (kg)
						8 mm	12 mm	
060/1	700	500	530	450	420	700		20
060/2	790	465	800	700	350	1200	560	27
060/3	970	570	1000	900	450	2500	1100	50



Thermometer



Model TE/900

Thermometer for measuring the temperature of cables. Measurement is carried out through an aluminium tube which surrounds the surface and shape of the cable.

Measurement in degrees °C from -30 °C to +60 °C

Weight 0.5 to 1 kg

* to match the thermometer to the appropriate cable, please specify the cable diameter when ordering
e.g. TE900/21.3 (for AFL 6-240)

Thermometer



Model TE/901

As above only with an indicator thermometer

* to match the thermometer to the appropriate cable, please specify the cable diameter when ordering
e.g. TE901/21.3 (for AFL 6-240)

Cable length counter



Model CO 04

Cable length counter

For measuring the length of the cable during retraction (tensioning)

Weight 3.5 kg

Grounding device



Model MT 400

Mobile earthing device

Suitable for discharging electrical energy on the wire during tensioning

3 aluminium blocks mounted on ball bearings with conductive segment to prevent electrical discharge, with pressure spring, for easier clamping on the cable. Supplied in flexible hose (6 m, 50 mm² per section)

Complete earthing clamps in bronze

Weight: 8.5 Kg



Apparatus for measuring cable cut



SAG 400 model

Apparatus for measuring deflection (vision) on 400 kV poles
4x40 single telescope, designed to adjust conductors in overhead lines using the slope observation method.
In a plastic case

Apparatus for measuring cable cut



SAG 900 model

Apparatus for measuring deflection (vision) on 400 kV poles
designed to adjust conductors in overhead lines using the slope observation method.
In a plastic case

Steel strap tensioner



Model L87

Used for tensioning and shearing of steel straps main application on spandrel poles or poles that do not have holes for standard hook bolts

Tape working range: 9-20 mm
Tensioning force 1050 daN
Max. thickness of steel strip 1.2 mm Application:
Steel and stainless steel strips Length: approx. 280 mm
Cutting distance "on fastener" 24 mm
Weight of the tensioner: 2.9 kg
Pull handles: Swivel and removable

Model L88

Steel strip 20x0.7 mm Length 50 mb
Plastic box
Type 304 Type 304 material Nu4CrNi18-8 Austenitic
Tensile strength 750 n/mm

Model L89

Steel strap clamp Pack of 100 pcs.
For 20 mm tape
Type 304 - Material Nu4CrNi18-8 Austenitic



Digital dynamometers



The L81 series are electronic dynamometers with digital displays ideal for measuring small pulling and lifting forces. Using strain sensors The L81 is ideal for use between hook and sling. These devices operate correctly in any position giving an accurate measurement reading.

Model	measuring range	min indication	weight
L81/20	20.0 kg	0.05 kg	0.75 kg
L81/50	50.0 kg	0.1 kg	0.93 kg
L81/100	100.0 kg	0.2 kg	1.44 kg
L81/200	200.0 kg	0.4 kg	3.22 kg

Digital dynamometers



The L82 series are electronic dynamometers with digital displays ideal for measuring pulling and lifting forces. Using strain sensors, the L82 is ideal for use between hook and sling. These devices operate correctly in any position giving an accurate measurement reading.

Model	measuring range	min indication	scale	
L82/1000	1000 kg	3.0 kg	1.0 kg	0.75 kg
L82/3200	3200 kg	9.6 kg	5.0 kg	0.93 kg
L82/6300	6300 kg	18.9 kg	10.0 kg	1.44 kg
L82/12500	12500 kg	37.5 kg	20.0 kg	3.22 kg
L82/20000	20000 kg	60.0 kg	50.0 kg	4.95 kg

Digital dynamometers with possibility of additional display connection



The L83 series are electronic dynamometers with digital displays ideal for measuring pulling and lifting forces. Instrument with optional wireless portable display
Optional device for remote, wireless reading of LLX1 dynamometer readings from a distance up to 40 metres .
Display of various units: kg, T, daN kN, lbs Integrated LCD display 18 mm
It has basic functions such as tare, peak load and advanced functions:

Model	measuring range	min indication	scale	
L83/500	500 kg	1.0 kg	0.5 kg	1.1 kg
L83/1000	1000 kg	2.0 kg	1.0 kg	1.1 kg
L83/2000	2000 kg	4.0 kg	2.0 kg	1.3 kg
L83/3200	3200 kg	6.0 kg	2.0 kg	1.5 kg
L83/5000	5000 kg	10.0 kg	5.0 kg	2.3 kg
L83/6300	6300 kg	13.0 kg	5.0 kg	2.3 kg
L83/12500	12 500 kg	25.0 kg	10.0 kg	4.3 kg
L83	wireless display			

- Adjustable dynamic effects filter.
- Adjustable automatic switch-off function.
- Adjustable limit value



ELSEC protective gloves



ELSEC electro-insulating protective gloves are designed for use for electrical purposes only, as basic personal protective equipment for work at voltages up to 1 kV or as additional protective equipment at voltages above 1 kV.

CHARACTERISTICS

ELSEC electro-insulation protective gloves are five-finger gloves of anatomical shape, manufactured from high-quality natural rubber latex on an automated production line. Each glove has its own individual number and is electrically tested on a computer-controlled measuring station. The ergonomic shape and flexibility of the glove allows it to work freely with sweat pads and protective leather gloves.



Symbol	Test voltage kV Rms	Max rms rms value	Voltage mA leakage kV	Dimensi
ELSEC 2.5	2.5 kV	12 mA	5 kV	8-9-10-11-12
ELSEC 5	5 kV	12 mA	10 kV	8-9-10-11-12
ELSEC 10	10 kV	14 mA	20 kV	8-9-10-11-12
ELSEC 20	20 kV	16 mA	30 kV	8-9-10-11-12
ELSEC 30	30 kV	18 mA	40 kV	9-10-11-12

Options for ELSEC gloves

Cotton anti-sweat insole model **T594W208**

ELSEC S100 waterproof leather gloves model **S594S300**

Glove bag model **T596T100**

Electro-insulating pavement



Electrical insulating floor pavements in class 2 are designed for lining floors - to protect workers from electrical hazards - around electrical equipment with a maximum rated voltage of 17000 V - for AC voltage 25500 V - for DC voltage.

Electrical insulating mat 20 KV (dimension 0.75 x 0.75 m.) model **T5920000** Electrical insulating walkway 20 KV (2 m to 8 m length, 1.1 m width) model **T5921000**

ANTAMPER Class 20kV insulating rubber half boots



Footwear designed for work on electrical equipment

with a voltage of up to 20 kV, as additional protective equipment to protect the wearer from the flow of dangerous electric shock current through the human body, via the feet. This footwear reduces the risk of electric shock. It should be used as an overlay over footwear used at work. The electro-insulating rubber half-boots are a Category III PPE meeting the essential requirements according to Directive 89/686/EEC. The footwear also meets the requirements of criteria KOW/S-01/2015

Electrically insulating semi-boots 20 kV - ANTAMPER (size 4) model T5912100
Maximum operating voltage 17,000 V model T5912100

Electrically insulating 30 kV semi-boots - ANTIAMPER (size 4) model T5912200
Maximum operating voltage 26,500 V



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25
LAT

Pulley blocks Snatch Blocks

Pulley blocks
Mounting rollers for OPGW
Mounting rollers for AFL ducting
Helicopter rollers

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Single steel auxiliary roller



Steel auxiliary roller with hook Roller material: steel

Frame made of galvanised steel with top fixing clip. Roller on ball bearings.

Symbol	Diameter max cable/rope [mm]	Material rolls	Load working kN	Weight (kg)
17036 H	12.5 mm	steel	30	6,5
17037 H	15.5 mm	steel	50	9,0
17038 H	18.5 mm	steel	80	14,4



Steel auxiliary roller with eyelet Roller material: steel

Frame made of galvanised steel with top fixing clip. Roller on ball bearings.

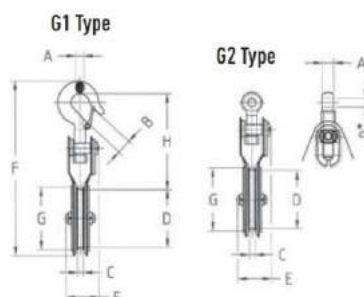
Symbol	Diameter max cable/rope [mm]	Material rolls	Load working kN	Weight (kg)
17036 O	12.5 mm	steel	30	6,5
17037 O	15.5 mm	steel	50	9,0
17038 O	18.5 mm	steel	80	14,4

Auxiliary roller aluminium



Model 020 AL
Aluminium roller

With hinged side-opening system, ball-bearing mounted aluminium roller, aluminium alloy frame, swivel hook model G1 (standard delivery) with safety lock.



Symbol	A	B	C	D	E	F	Working load kN	Breaking load kN	Weight (kg)
020/AL30	108	40	15	20	17	28	6,0	18,0	1,6
020/AL60	138	40	15	27	21	32	12,0	36,0	2,8

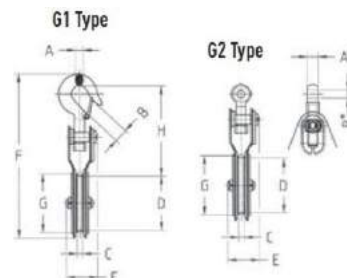


Auxiliary roller steel or nylon version



Model 020 Auxiliary roller

Swivelling, opening roller side with nylon / steel disc on ball bearings. Galvanised steel frame with latch and swivel fixing hook (performance standard)



Version with nylon wheels

Symbol	A	B	C	D	E	F	G	H	Working load kN	Weight (kg)
020/005N	16	20	18	102	72	305	120	160	5	1,6
020/010N	18	23	18	102	73	315	120	170	10	1,7
020/015N	18	25	20	102	75	330	120	180	15	2,0

* Standard design with swivel catch type "G1".

Version with steel wheels

Symbol	A	B	C	D	E	F	G	H	Working load kN	Weight (kg)
020/015A	18	25	20	105	75	340	120	180	15	3,4
020/020A	23	28	25	135	85	410	150	220	20	6,6
020/030A	30	34	25	135	90	440	150	240	30	7,2
020/050A	39	43	30	185	95	510	200	290	50	13,0
020/070A*	32	32	30	205	100	470	235	210	70	33,0
020/100A*	41	35	32	240	110	545	277	240	100	36,0

* Standard design with swivel catch type "G1".

Steel auxiliary roller



Model 020/P.
Steel roller

With hinged side-opening system, galvanised steel, ball bearing roller, galvanised steel frame, swivel hook model G1 (standard delivery) with safety lock.

Symbol	A	B	C	D	E	F	Working load kN	Breaking load kN	Weight (kg)
020/P/090/AA	108	40	15	20	17	28	18,0	90,0	5,0
020/P/180/AA	138	40	15	27	21	32	36,0	180,0	9,5
020/P/250/AA	185	55	30	30	26	42	50,0	250,0	12,0



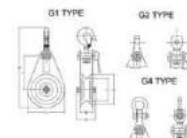
Aluminium auxiliary roller



Model 020/L
Aluminium roller

With side frame opening system, ball-bearing mounted aluminium pulley
Aluminium frame with swivel G1 fixing hook (standard design).

*Pivot clamp type "G2" "G4" on request. Technical drawing as above



Symbol	A	B	C	D	E	F	Working load kN	Breaking load kN	Weight (kg)
020/L/015/LL	80	46	130	300	130	84	3,0	15,0	1,7
020/L/045/LL	90	50	130	310	130	84	9,0	45,0	2,4
020/L/090/LL	100	54	130	340	130	84	18,0	90,0	3,5
020/L/150/LL	110	70	160	460	165	110	30,0	150,0	5,5

Mounting roller for insulated overhead conductors



Model 11001 - nylon version

The reel is used to hang insulated cables and EXCEL universal cable. The reels are used for fitting to through- or corner posts for angles of 150° to 180°.

Heat- and impact-resistant nylon polymer roller with steel frame

Pole attachment: steel bracket Pole attachment: lockable hook Possible mounting at an angle of 30°

Symbol	external [mm]	Width Rollers [mm]	Material rolls	WL/BL	Weight (kg)
11001	120	75	Nylon	20 kN	1,6

Mounting roller for insulated cables and overhead wires



Mounting roller for low and medium voltage overhead insulated cables and wires

Roller made from high-strength nylon, mounted on ball bearings and a galvanised steel frame.

Symbol	Outer diameter [mm]	Roll width [mm]	Roll materi	WL/BL	Weight
026A	150	122	Nylon	10 kN	6,0



Mounting roller for conductor in overhead lines



Overhead line mounting roller Version : tandem
Roll material: nylon

Frame made of galvanised steel with top fixing clip.
Hitch-hook

Symbol	Diameter external [mm]	Width Rollers [mm]	Material rolls	WL/BL	Weight (kg)
14030 N	150	100	Nylon	10 kN/20 kN	7,2

Mounting roller for conductor in overhead lines



Overhead line mounting roller Version : tandem
Roll material: aluminium

Frame made of galvanised steel with top fixing clip.
Hitch-hook

Symbol	Outer diameter [mm]	Roll width [mm]	Roll	WL/BL	Weight (kg)
14030 A	150	100	Aluminium	10 kN/20 kN	11,2



Mounting roller in overhead lines



Overhead line mounting roller Version : tandem
Roll material: nylon
Frame made of galvanised steel with top fixing clip.
Hitch-hook

Symbol	Diameter external [mm]	Width Rollers [mm]	Material rolls	WL/BL	Weight (kg)
14010 N	180	75	Nylon	15kN / 25kN	9,5

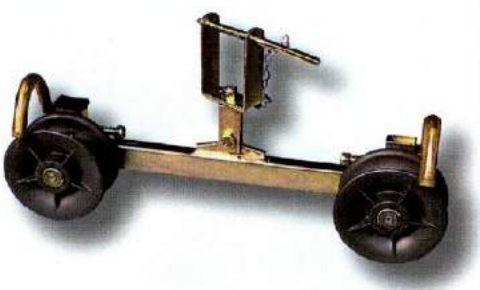


Overhead line mounting roller Version :
quadruple roller
Roll material: nylon

Frame made of galvanised steel with top fixing clip.
Hitch-hook

Symbol	Diameter external [mm]	Width Rollers [mm]	Material rolls	WL/BL	Weight (kg)
14020 N	100	75	Nylon	10kN / 20kN	12,0

Mounting roller for insulated cables and overhead wires



Model 029

Mounting roller for low-voltage overhead insulated cables and wires

Equipped with a system to prevent the cable from falling out on both rollers.

Roller diameter 150mm.

Operating force : 200

daN Breaking force :

1,000 daN Weight : 6 kg

Symbol	Diameter external [mm]	Width Rollers [mm]	Material rolls	WL/BL	Weight (kg)
029	150	45	Nylon	2kN / 10kN	6,0



Mounting roller for OPGW cable



Model 026 RBT2

Work roller for replacing existing lightning conductor with OPGW conductor

Suitable for pulling the ducting through the flue robot model 101 RBT

Can be used for underground cables and wires. Rollers made of nylon, mounted on ball bearings and galvanised steel frame protected on the inside by nylon plates.

Operating force : 200

daN Breaking force :

1,000 daN Weight : 1.8 kg

Mounting roller for OPGW cable



Model 026 RBT V6

Auxiliary work roll for replacing existing lightning conductor with OPGW conductor

Can be mounted on wires with diameters of 10-20 mm thanks to a clip at the top

Rollers (main and smaller) made of nylon, mounted on ball bearings and galvanised steel frame protected on the inside by nylon plates.

Operating force : 200

daN Breaking force :

1,000 daN Weight : 1.2 kg

Mounting roller for OPGW cable



Model 026 RBT V2

Supporting auxiliary roller Suitable for pulling pilot cables.

The rope through (robot model 101RBT ...) passes back through the reversible roller system.

Self-lubricating nylon rollers on an aluminium frame.

Operating force : 100 daN

Breaking force : 500 daN

Weight : 0.950 kg

Mounting roller for OPGW cable



026 RBT

Supporting auxiliary roller Suitable for pulling pilot cables.

The rope through (robot model 101RBT ...) passes back through the reversible roller system.

Can be mounted on ropes with a diameter of 10-20 mm thanks to the clamping clip.

Self-lubricating nylon rollers on an aluminium frame.

Operating force : 200 daN

Breaking force : 1,000

daN Weight : 2.3 kg



Mounting roller for insulated cables and overhead wires



Model 5000

Medium-voltage auxiliary roller
Nylon discs, mounted on ball bearings, Galvanised steel frame with height-adjustable fixing point. Guide rail
Working load 1000 daN. Weight: 25 kg.

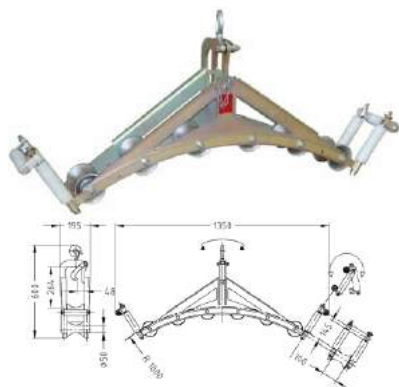
Mounting roller for working in kinks



Model 5001

Set of 6 rollers for use on bends
Rollers on ball bearings Bending radius 1100 mm .
Galvanised steel frame with height-adjustable fixing point.
Working load 2000 daN
Weight 47 kg.

Mounting roller for OPGW cable



Model 5001/FO

Cable reel O.P.G.W.
6 aluminium rollers on ball bearings, simulating a very large bending radius of 2,000mm.
Openable, equipped with a system Anti-loss and nylon rollers at both ends. Galvanised steel frame with swivel hook.
Working load 1000 daN
Weight 28kg.

Mounting roller for insulated cables and overhead wires



Model 5007

Mounting roller for medium-voltage overhead insulated cables and wires
Roller made of nylon, mounted on ball bearings and a galvanised steel frame ending in a swivel hook.
Equipped with an anti-loss system around the perimeter of the roller profile.
Operating force : 1,000 daN
Breaking force : 5,000 daN
Weight : 8 kg



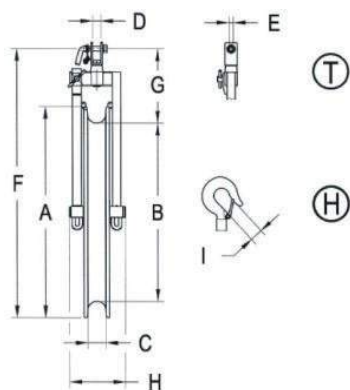
Mounting roller



Single aluminium assembly rollers
Rollers mounted on ball bearings with replaceable nylon protective groove bottom liners.
Frame made of galvanised steel with top fixing hook or in the version up to 350 mm with hook

Standard roller designs with nylon facings
Optional roller design with aluminium facings 025. ALR

Symbol	A	B	C	D	E	F	G	H	I	Load working kN	Weight kg
025/1T	300	230	38	21	12	420	155	140		20	4,0
025/1H	300	230	38	21		420	155	140	25	20	4,0
025/2T	440	350	48	21	12	559	164	176		20	9,0
025/2H	440	350	48	21		559	164	176	25	20	9,0
025/5T	620	500	68	30	16	834	274	200		33	21,5
025/3T	755	650	68	30	16	969	274	200		40	26,0
025/3LT	775	650	95	41	18	1005	300	231		40	33,0
025/4T	890	800	68	30	16	1104	274	198		40	33,0
025/4LT	910	800	95	41	18	1173	333	228		40	42,5
025/6LT	1110	1000	95	41	20	1400	356	250		60	50,0
025/7L	1350	1200	130	36	24	1639	379	288		100	112,0

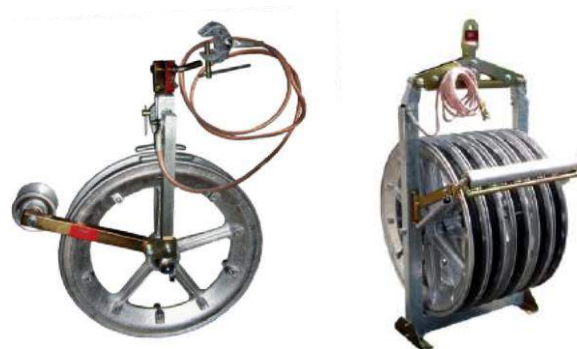


Types of top fixings:

Version T - swivel mount (model 025/.../T - (standard) Version H - swivel mount (model 025/.../H) (for 230-35 mm)

Optional equipment:

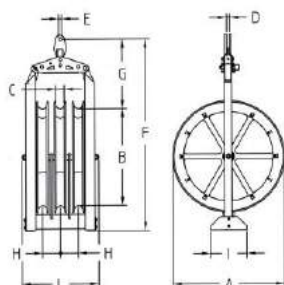
- Replaceable nylon liners to protect the bottom of the groove Article NYR/...
- replacement aluminium protective linings for the bottom of the groove (instead of nylon) article ALR/... available on reels
- earthing set supplied with 6 m of 50mm² insulated copper cable with earthing clamp article 025/.../...MT.



possible earthing kits



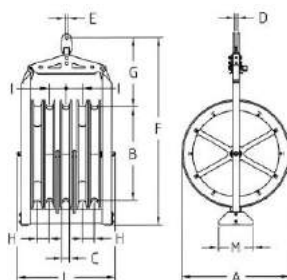
Mounting roller 2-3 wires



Aluminium mounting rollers for two or three cables
Rollers mounted on ball bearings with replaceable nylon protective groove bottom liners.
Frame made of galvanised steel with upper mounting bracket rotatable through 90 degrees

Symbol	A	B	C	D	E	F	G	H	I	Load working kN	Weight (kg)
025/5/5	620	500	68	26	25	1277	583	145	300	40	90,0
025/3/1	755	650	68	26	25	1412	583	145	300	60	105,0
025/3/1L	775	650	95	26	25	1487	627	175	300	60	130,0
025/4/3	890	800	68	26	25	1597	630	145	500	60	138,0
025/4/3L	910	800	95	26	25	1653	658	175	500	60	163,0
025/6/3L	1150	1000	95	26	25	1893	668	175	500	66	187,0
025/7/3L	1350	1200	130	26	25	2133	671	222	500	100	365,0

Mounting roller 4 wires



Aluminium mounting rollers for four cables
Reinforced centre roller with aluminium insert
Rollers mounted on ball bearings with replaceable nylon protective groove bottom liners.
Frame made of galvanised steel with upper mounting bracket rotatable through 90 degrees

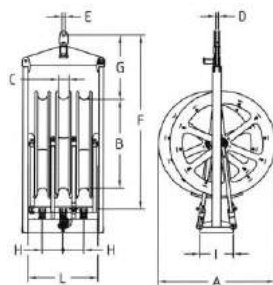
Symbol	A	B	C	D	E	F	G	H	I	L	M	Working load kN	Weight (kg)
025/5/6	620	500	68	26	25	1378	632	100	145	721	300	40	140
025/3/2	755	650	68	26	25	1513	632	100	145	721	300	60	160
025/3/2L	775	650	95	26	25	1553	673	145	175	901	300	60	190
025/4/4	890	800	68	26	25	1648	633	100	145	725	500	60	175
025/4/4L	910	800	95	26	25	1688	673	145	175	905	500	60	247
025/6/4L	1110	1000	95	26	25	1893	668	145	175	917	500	66	280
025/7/4L	1350	1200	130	26	25	2133	671	185	222	1131	500	100	545

Optional equipment:

- Replaceable nylon liners to protect the bottom of the groove Article NYR/...
- replaceable aluminium protective linings for the bottom of the groove (instead of nylon) Article ALR/...
- earthing set supplied with 6 m of 50mm² insulated copper cable with earthing clamp article 025/.../...MT
- other distances between rollers available



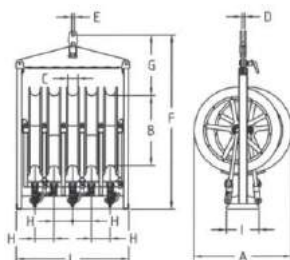
Mounting roller 2-3 wires , removable from the frame



Aluminium mounting rollers for two or three cables removable from the frame
Rollers mounted on ball bearings with replaceable nylon protective groove bottom liners.
Frame made of galvanised steel with 90-degree top swivelling mounting bracket available with individual mounting rollers.

Symbol	A	B	C	D	E	F	G	H	I	L	Load working kN	Weight (kg)
025/5/5 SC	730	500	68	26	25	1522	671	145	300	626	40	120,0
025/3/1 SC	867	650	68	26	25	1657	671	145	300	626	60	143,0
025/3/1L SC	885	650	95	26	25	1657	645	175	300	716	60	160,0
025/4/3 SC	1000	800	68	26	25	1764	643	145	500	636	60	150,0
025/4/3LSC	1020	800	95	26	25	1822	643	175	500	720	60	202,0
025/6/3L SC	1219	1000	95	26	25	2020	640	175	500	720	66	227,0

Mounting roller 4 wires , removable from the frame



Aluminium mounting rollers for four wires removable from frame Central reinforced roller with aluminium insert
Rollers mounted on ball bearings with replaceable nylon protective groove bottom liners.
Frame made of galvanised steel with 90° top swivel hitch available with individual mounting rollers.

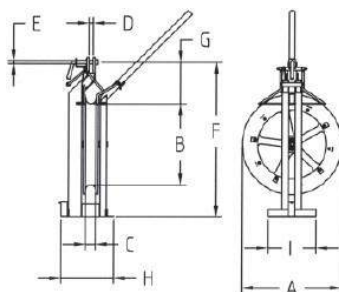
Symbol	A	B	C	D	E	F	G	H	I	L	Load working kN	Weight (kg)
025/5/6 SC	715	500	68	26	25	1340	505	145	300	1000	40	175,0
025/3/2 SC	869	635	68	26	25	1565	585	145	300	1000	60	200,0
025/3/2L SC	885	635	95	26	25	1620	585	175	300	1130	60	235,0
025/4/4 SC	1000	770	68	26	25	1690	550	145	500	1000	60	220,0
025/4/4LSC	1020	770	95	26	25	1820	585	175	500	1230	60	300,0
025/6/4L SC	1285	1000	95	26	25	2020	585	175	500	1230	66	325,0

Optional equipment:

- Replaceable nylon liners to protect the bottom of the groove Article NYR/...
- replaceable aluminium protective linings for the bottom of the groove (instead of nylon) Article ALR/...
- earthing set supplied with 6 m of 50mm² insulated copper cable with earthing clamp article 025/.../...MT
- other distances between rollers available



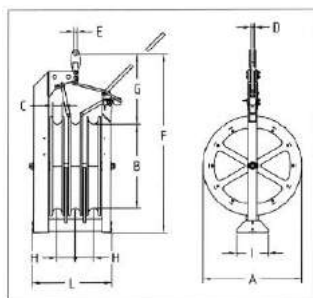
Mounting roller , single - helicopter



Single mounting roller designed for insertion and retraction of the helicopter guide wire
 A suitable clip allows the rope to be placed in the groove of the sheave and prevents it from falling out .
 Roller made of aluminium alloy and mounted on bearings .
 Grooves lined with replaceable nylon liners.
 Galvanised steel frame.

Symbol	A	B	C	D	E	F	G	H	I	Load working kN	Weight (kg)
025/1E	300	230	41	20	16	560	215	200	200	26	12,0
025/2E	440	350	48	20	16	700	235	245	300	26	20,0
025/5E	620	500	68	25	20	1130	404	325	300	33	45,0
025/3E	755	650	68	25	20	1265	404	277	300	40	50,0
025/3LE	775	650	95	25	20	1278	418	306	300	40	60,0
025/4E	890	800	68	25	20	1401	406	277	300	40	57,0
025/4LE	910	800	95	25	20	1414	419	310	300	40	65,0
025/6LE	1110	1000	95	25	20	1614	416	330	500	60	99,0

Mounting roller , for 2-3 wires - helicopter



Mounting roller designed for two or three wires for insertion and retraction of the pilot wire guided by a helicopter A suitable clip allows the rope to be placed in the groove of the sheave and prevents it from falling out .
 Roller made of aluminium alloy and mounted on bearings .
 Grooves lined with replaceable nylon liners. Galvanised steel frame.

												Load	
		C	D	E	F	G	H	I	L	working kN	Weight (kg)		
													
025/5/5E	620	500	68	25	26	1400	674	145	300	654	40	115,0	
025/3/1E	755	650	68	25	26	1533	674	145	300	654	60	154,0	
025/3/1LE	775	650	95	25	26	1570	704	175	300	744	60	175,0	
025/4/3E	890	800	68	25	26	1678	674	145	300	654	60	177,0	
025/4/3LE	910	800	95	25	26	1708	704	175	300	744	60	205,0	
025/6/3LE	1110	1000	95	25	26	1908	704	175	500	744	66	248,0	

Optional equipment:

- Replaceable nylon liners to protect the bottom of the groove Article NYR/...
- replaceable aluminium protective linings for the bottom of the groove (instead of nylon) Article ALR/...
- earthing set supplied with 6 m of 50mm² insulated copper cable with earthing clamp article 025/.../...MT
- other distances between rollers available



Mounting roller, single tandem



Single mounting roller in tandem version

Aluminum mounting roller single positioned in tandem with respect to the cable Rollers mounted on ball bearings with replaceable nylon protective groove bottom liners.

Frame made of galvanised steel with top fixing hook

Symbol	A	B	C	D	E	F	G	H	I	Working load kN
025/1T Tandem	300	230	38	21	12	420	155	140		20
025/1H Tandem	300	230	38	21		420	155	140	25	20
025/2T Tandem	440	350	48	21	12	559	164	176		20
025/2H Tandem	440	350	48	21		559	164	176	25	20
025/5T Tandem	620	500	68	30	16	834	274	200		33
025/3T Tandem	755	650	68	30	16	969	274	200		40
025/3LT Tandem	775	650	95	41	18	1005	300	231		40
025/4T Tandem	890	800	68	30	16	1104	274	198		40
025/4LT Tandem	910	800	95	41	18	1173	333	228		40
025/6LT Tandem	1110	1000	95	41	20	1400	356	250		60
025/7L Tandem	1350	1200	130	36	24	1639	379	288		100

Mounting roller , for 2-3 wires - tandem



Triple tandem mounting roller

Aluminium triple-mounted rollers arranged in tandem with the cable Rollers mounted on ball bearings with replaceable nylon protective groove bottom liners.

Frame made of galvanised steel with top fixing hook

Standard and helicopter version possible (photo)

Symbol	A	B	C	D	E	F	G	H	I	Load working kN
025/5/5 Tandem	620	500	68	26	25	1277	583	145	300	40
025/3/1 Tandem	755	650	68	26	25	1412	583	145	300	60
025/3/1L Tandem	775	650	95	26	25	1487	627	175	300	60
025/4/3 Tandem	890	800	68	26	25	1597	630	145	500	60
025/4/3L Tandem	910	800	95	26	25	1653	658	175	500	60
025/6/3L Tandem	1150	1000	95	26	25	1893	668			
025/7/3L Tandem	1350	1200	130	26	25	2133	671			



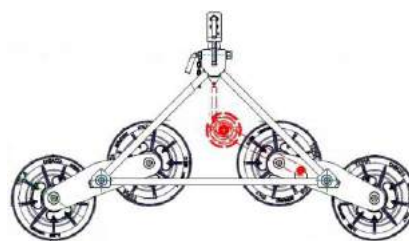
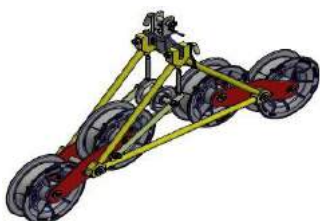
Mounting roller , set of four single rollers

Quadruple unit for single rollers

Aluminum mounting rollers single aligned with cable

Rollers mounted on ball bearings with replaceable nylon protective groove bottom liners. Frame made of galvanised steel with top fixing clip.

Options , possibility to order handle offset by 90 degrees . Centre earthing roller



Symbol	roller dimension mm	construction dimension mm	working load kN	weight
023/1	300x68	1438x192x808	60	51 kg
023/1L	328x95	1565x218x862	60	58 kg

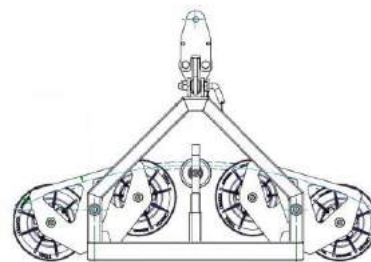
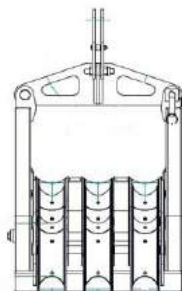
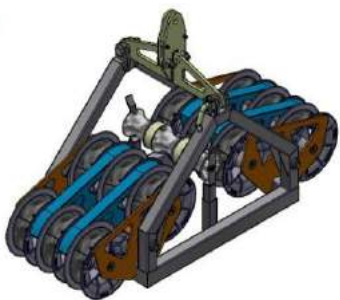
Mounting roller , set of four triple rollers

Quadruple triple roller assembly

Aluminium mounting rollers triple in tandem with the cable

Rollers mounted on ball bearings with replaceable nylon protective groove bottom liners. Frame made of galvanised steel with top fixing clip.

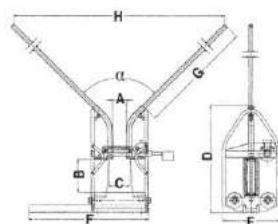
Options , possibility to order handle shifted by 90 degrees . Centre earthing roller



Symbol	roller dimension mm	construction dimension mm	roller pitch	working load kN	weight
023/3/2	300x68	1446x595x1075	145	60	186 kg
023/3/2L	328x95	1573x681x1075	175	60	212 kg



Pilot line roller - helicopter



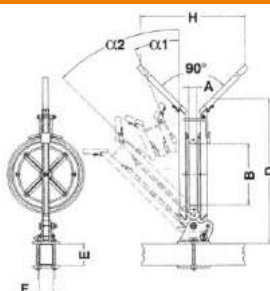
Pilot line roller for use by helicopter. Nylon roller on ball bearings.

Galvanised steel frame with special brackets at the top, two arms to facilitate rope installation and a shaft to prevent the rope from falling out.

Symbol A B C D E F G H α Weight (kg)

026/10	10	130	85	415	230	460	1000	1600	82	12,0
---------------	----	-----	----	-----	-----	-----	------	------	----	------

Pilot line reel - helicopter



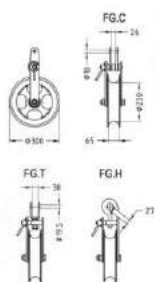
Pilot line roller for use by helicopter. Nylon roller on ball bearings.

Galvanised steel frame with special brackets at the top, two arms to facilitate rope installation and a shaft to prevent the rope from falling out. Adjustable opening angle 22.5-45 degrees. Complete with pilot rod fixing bracket and guide rod Breaking load 6000 daN

Symbol A B C D E F G H α Weight (kg)

026/10 EL	30	230	300	590	*	*	800	1200	22,5 - 45,0	10,0
026/11 EL	48	350	440	830	*	*	800	1250	22,5 - 45,0	14,0

Steel roller



Model 025/1 FG

Single roller entirely made of galvanised steel on ball bearings.

Operating load 23 kN

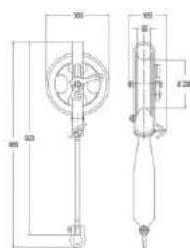
Weight: 14 kg

Types of abutment:

Fixed hitch model 025/1 FG.C (standard) Swivel hitch model 025/1 FG.T

Swivel hook model 025/1 FG.H

Alignment roller



Model 0251AS

Designed to hold the pilot wire as well as the cable in the correct position when tensioning between poles with a significant difference in height.

Automatic quick-release device;

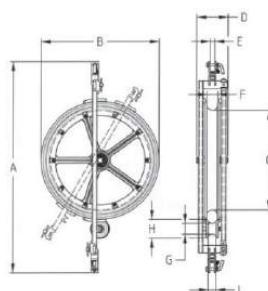
Galvanised steel frame and ball bearing roller

Operating load 26 kN

Weight: 20 kg



Mounting roller with compensating pressure

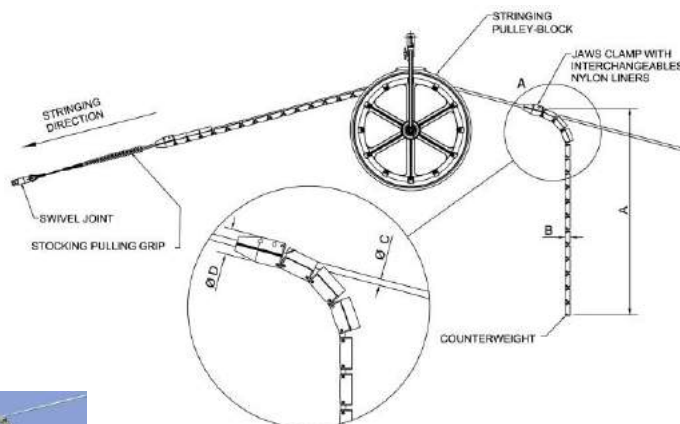


Single pressure roller Designed for tensioning operations cables on poles with significant height differences. Ball-bearing aluminium roller with nylon replacement groove protection lining and smaller ball-bearing aluminium roller. Openable, galvanised steel frame finished with swivel hooks at both ends.

Symbol	A	B	C	D	E	F	G	H	L	Breaking load kN	Weight (kg)
0255AS	1290	620	500	220	30	68	80	150	46	100	31
0253AS	1380	770	650	205	30	68	70	125	60	100	38
0254LAS	1680	950	800	245	41	95	83	133	120	120	62

Anti-rotation kit for OPGW cable

Anti-rotation kit for controlled pulling of OPGW cable When ordering, please specify the exact diameter of the cable.
 NOTE: One set consists of two parts

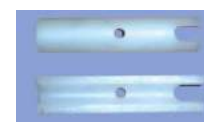


Symbol	D	A	B	C	Weight	Quantity included
EVERY	60	990	30	10-17	8,0	2
60/9	60	1320	30	17-23	10,5	2
EVERY	80	1800	39	23-30	24,0	2

When ordering, please specify:

- Internal diameter of the assembly rollers used
- Used mounting roll width
- Exact outer diameter of the O.P.G.W. pipe

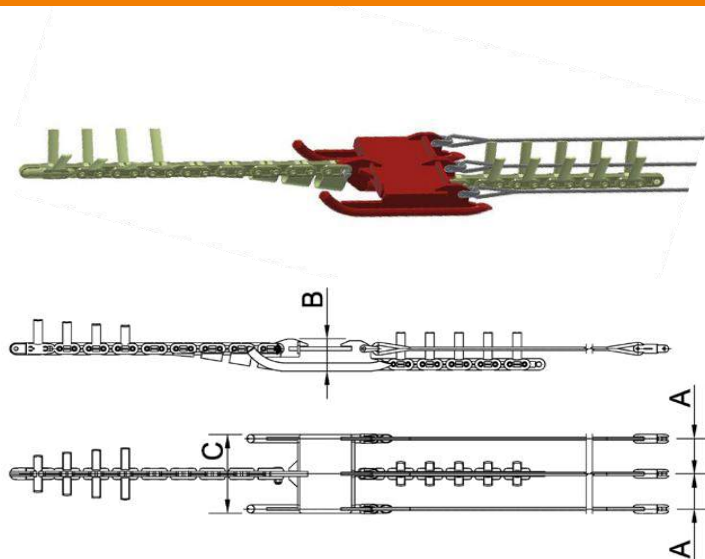
CO609
 CO6012
 CO6018



Replaceable set of nylon inserts



Crocodile 2-3 wire



Fixed crocodile for cable pulling. Used to connect 2-3 wires to a pilot wire.

Complete with swivels and steel cable

CO B1 F, CO T1F

025/5/5 - 025/5/5SC - 025/5/5E

025/3/1 - 025/3/1SC - 025/3/1E

025/4/3 - 025/4/3SC - 025/4/3E

0C2O5/B32/1FL - 0C2O5/T32/F1LSC - 0C2O5/

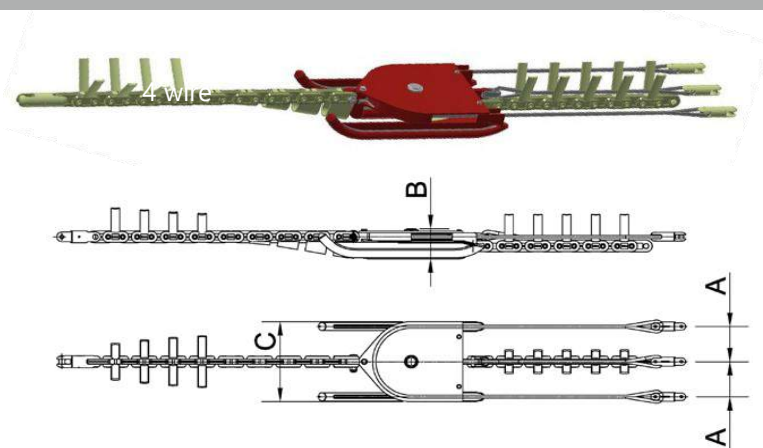
- 025/4/3LE

025/64/3L - 025/64/3LSC

CO B3 F, CO T3F

025/7/1L - 025/7/3L

Symbol	wires	A	B	C	Swivel 250 B/C/R	D/R	L ropes 16-18 mm	Working load kN	Weight (kg)
CO B1 F	2	146	146	326	2	1	2x3.5m	93	90
CO T1 F	3	146	146	326	3	1	3x3.5m	93	100
CO B2 F	2	174	166	403	2	1	2x3.5m	93	105
CO T2 F	3	174	166	403	3	1	3x3.5m	93	110
CO B3 F	2	222	170	487	2	1	2x3.5m	93	120
CO T3 F	3	222	170	487	3	1	3x3.5m	93	135



Crocodile with pulley for cable pulling. Used to connect 2-3 wires to a pilot wire.

Complete with swivels and steel cable

CO B1, CO T1

025/5/5 - 025/5/5SC - 025/5/5E

025/3/1 - 025/3/1SC - 025/3/1E

025/4/3 - 025/4/3SC - 025/4/3E

0C2O5/B32/1FL - 0C00T52/3/1LSC - 0C2O5/

- 025/4/3LE

025/64/3L - 025/64/3LSC

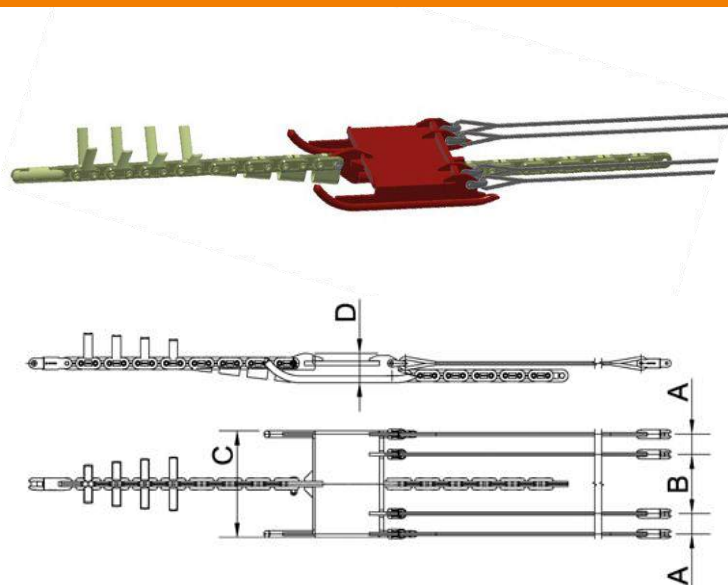
CO B3, CO T3

025/7/1L - 025/7/3L

Symbol	wires	A	B	C	Swivel 250 B/C/R	D/R	L ropes 16-18 mm	Working load kN	Weight (kg)
CO B1	2	145	139	340	2	1	1x30m	100	120
CO T1	3	145	139	340	3	1	1x30m+1x15m	100	140
CO B2	2	180	154	410	2	1	1x30m	100	145
CO T2	3	180	154	410	3	1	1x30m+1x15m	100	160
CO B3	2	222	160	494	2	1	1x30m	100	175
CO T3	3	222	160	494	3	1	1x30m+1x15m	100	195



Crocodile 4 wire



Fixed crocodile for wire pulling. Used to connect 4 wires with a pilot wire

Complete with swivels and steel cable

CO Q1 F

025/5/6 - 025/3/2 - 025/4/4

CO Q2F

025/3/2L - 025/4/4L - 025/6/4L

CO Q3 F

025/5/6SC - 025/3/2SC - 025/4/4SC

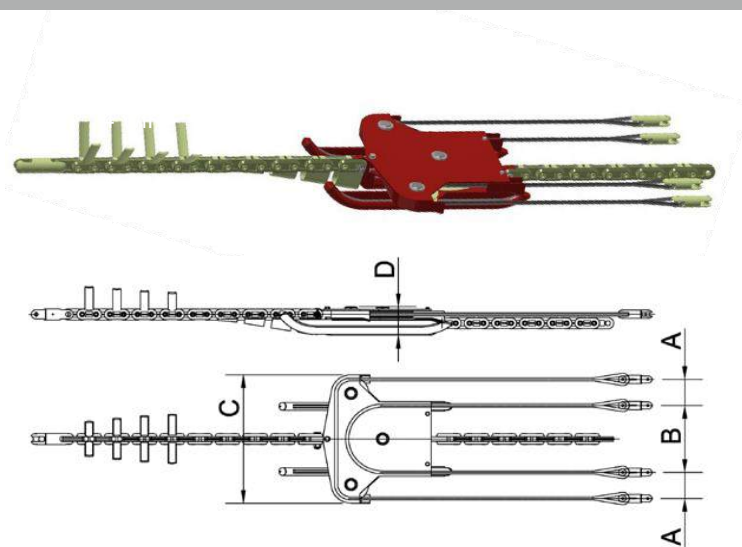
CO Q4 F

025/3/2LSC - 025/4/4LSC - 025/6/4LSC

CO Q5 F

025/7/4L

Symbol	wires	A	B	C	Swivel 250 B/C/R	D/R	L ropes 16-18 mm	Working load kN	Weight (kg)
CO Q1 F	4	100	292	526	4	1	4x3.5m	93	120
CO Q2 F	4	145	350	643	4	1	4x3.5m	93	140
CO Q3 F	4	145	290	635	4	1	4x3.5m	93	125
CO Q3 F	4	175	350	755	4	1	4x3.5m	93	145
CO Q4 F	4	185	444	869	4	1	4x3.5m	93	165



Crocodile with pulley for wire pulling. Used to connect 4 wires with pilot wire

Complete with swivels and steel cable

CO Q1

025/5/6 - 025/3/2 - 025/4/4

CO Q2

025/3/2L - 025/4/4L - 025/6/4L

CO Q3

025/5/6SC - 025/3/2SC - 025/4/4SC

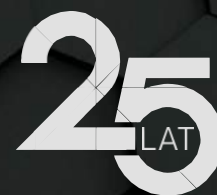
CO Q4

025/3/2LSC - 025/4/4LSC - 025/6/4LSC

CO Q5

025/7/4L

Symbol	wires	A	B	C	Swivel 250 B/C/R	D/R	L ropes 16-18 mm	Working load kN	Weight (kg)
CO Q1	4	100	290	540	4	1	2x30m	100	170
CO Q2	4	140	360	690	4	1	2x30m	100	190
CO Q3	4	145	290	630	4	1	2x30m	100	175
CO Q4	4	175	350	750	4	1	2x30m.	100	195
CO Q5	4	185	444	864	4	1	2x30m	100	215



ALUMINUM ALLOY EQUIPMENT

Aluminium ladders
Aluminium platforms
Inspection trolleys 1-2-3-4 wire
Inspection trolleys
Ginpool - Derick

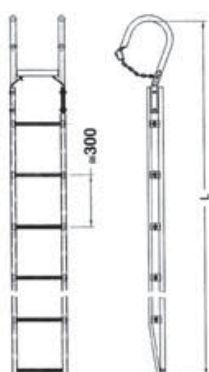
electrasklep.pl
electrapolska.com







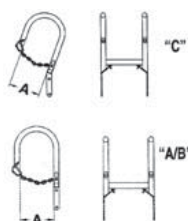
Vertical ladder model 011



Model 011

Suitable for working on overhead lines. Made of lightweight aluminium alloy, welded (TIG system) with non-slip rungs. Manufactured in accordance with UNI CEN / TS 16415: 2013, UNI EN 795: 2012 and compliant with EU 2016/425. Fitted with replaceable galvanised steel hook with double safety chain.

Symbol	elements	L (m.)	Weight	A (mm)
011/2,5	1	2,5	9,2	220
011/3	1	3,0	10,3	220
011/3,5	1	3,5	11,2	220
011/4	1	4,0	12,3	220
011/5	1	5,0	14,8	220
011/6	1	6,0	17,2	220
011/6,2	2	6,0 (4+2)	17,8	220
011/8,2	2	8,0 (4+4)	22,6	220
011/10,2	2	10,0 (5+5)	27,5	220

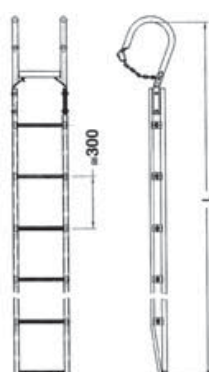


Optional equipment:

- Hooks type C and A/B available in 400 mm width
- Various ladder lengths available - customised on request



Vertical ladder model 011A with safety rail



Model 011A

Suitable for working on overhead lines. Made of lightweight aluminium alloy, welded (TIG system) with non-slip rungs. Manufactured in accordance with UNI CEN / TS 16415: 2013, UNI EN 795: 2012 and compliant with EU 2016/425. Fitted with replaceable galvanised steel hook with double safety chain and fall arrest profile (for use with fall arrest device).

Securing device MA 29/3 Vertical working load 300 daN

Symbol	elements	L (m.)	Weight (kg)	A (mm)
011A/2,5	1	2,5	10,0	220
011A/3	1	3,0	11,5	220
011A/3,5	1	3,5	12,4	220
011A/4	1	4,0	13,8	220
011A/5	1	5,0	17,0	220
011A/6	1	6,0	20,0	220
011A/6,2	2	6,0 (4+2)	20,4	220
011A/8,2	2	8,0 (4+4)	26,4	220
011A/10,2	2	10,0 (5+5)	32,3	220



MA29/3

Optional equipment:

- Hooks type C and A/B available in 400 mm width
- Various ladder lengths available
- Available in a version for two fitters (with two safety hooks - Article 011/B)



Vertical/horizontal ladder 011G

Model 011G

Vertical/horizontal ladder

It is suitable for working on overhead transmission lines, for use both horizontally and vertically.

Made of lightweight aluminium alloy, welded (TIG-certified system) with anti-slip rungs.

Fitted with replaceable galvanised steel hook with double safety chain (pole) and adjustable/folding Mod AG/SS hook

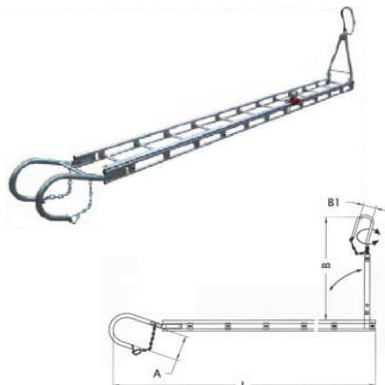
- Vertical working load 300 daN

- Horizontal working load 100 daN

On request :

- Adjustable folding hook with nylon wheel model AG/SS-R

- Reinforced construction with a horizontal working load of 200 daN



option : AG-SSR



standard : AG-SS

Symbol	elements	L (m.)	Weight	A (mm)	B (mm)	B1 (mm)
011/G2,5	1	2,5	12,2	220	900	100
011/G3	1	3,0	13,5	220	900	100
011/G3,5	1	3,5	14,8	220	900	100
011/G4	1	4,0	16,2	220	900	100
011/G5	1	5,0	18,8	220	900	100
011/G6	1	6,0	21,5	220	900	100
011/G6,2	2	6,0 (4+2)	22,5	220	900	100

Vertical/horizontal ladder 011AG with safety rail

Model 011AG

Vertical/horizontal ladder

It is suitable for working on overhead transmission lines, for use both horizontally and vertically.

Made of lightweight aluminium alloy, welded (TIG-certified system) with anti-slip rungs.

Equipped with replaceable galvanised steel hook with double safety chain (pole) and adjustable/folding Mod AG/SS hook.

fall protection profile (for use with fall protection device mod. MA29/3)

- Vertical working load 300 daN

- Horizontal working load 100 daN

On request :

- Adjustable folding hook with nylon wheel model AG/SS-R

- Reinforced construction with a horizontal working load of 200 daN



Safety device MA29/3



option : AG-SSR

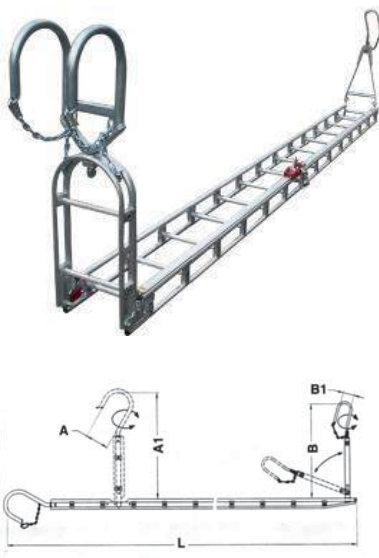


standard : AG-SS

Symbol	elements	L (m.)	Weight	A (mm)	B (mm)	B1 (mm)
011/AG2.5	1	2,5	13,2	220	900	100
011/AG3	1	3,0	14,8	220	900	100
011/AG3.5	1	3,5	16,3	220	900	100
011/AG4	1	4,0	17,9	220	900	100
011/AG5	1	5,0	21,1	220	900	100
011/AG6	1	6,0	24,2	220	900	100
011/AG6.2	2	6,0 (4+2)	25,2	220	900	100



Suspension ladder / platform 011AGG



Model 011AGG

Vertical/horizontal ladder

It is suitable for working on overhead transmission lines, for use both horizontally and vertically.

Made of lightweight aluminium alloy, welded (TIG-certified system) with anti-slip rungs, equipped with a fall prevention profile (for use with MA 29/3 fall protection).

Fitted with adjustable/folding galvanised steel hook with double safety chain (post) and adjustable/folding AG/SS hook

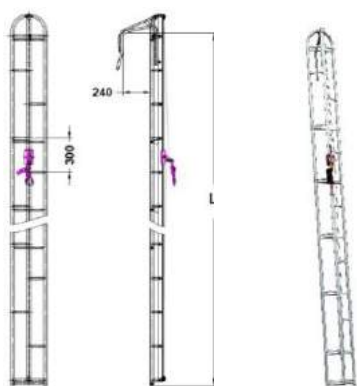
- Vertical working load 300daN
- Horizontal working load 100daN

On request :

- Adjustable/folding hook with nylon wheel AG/SS-R
- Reinforced construction with a horizontal working load of 200 daN

Symbol	elements	L (m.)	Weight (kg)	A (mm)	A1 (mm)	B (mm)	B1 (mm)
011/AGG3	1	3,13	19,0	220	1000	900	100
011/AGG3.5	1	3,60	21,0	220	1000	900	100
011/AGG4	1	4,16	22,5	220	1000	900	100
011/AGG5	1	5,03	26,5	220	1000	900	100
011/AGG6	1	6,25	32,5	220	1000	900	100
011/AGG6.2	2	6,25 (4,25+2)	33,5	220	1000	900	100

Staircase for climbing poles



Model 010

Staircase for climbing poles

Suitable for pole climbing under safety conditions. Made of lightweight aluminium alloy, welded (TIG-certified system), with non-slip rungs

Manufactured in accordance with UNI CEN / TS 16415: 2013, UNI EN 795: 2012 and compliant with EU Regulation 2016/425.

Fitted with a fall protection profile (for use with fall protection device MA 29/3.R)

- Vertical working load 150 daN.

Symbol	Section length	Weight (kg)
010/1	3,7 m	9,0
010/2	4,7 m	11,0



Horizontal platform with triangular structure 013G

Model 013G...

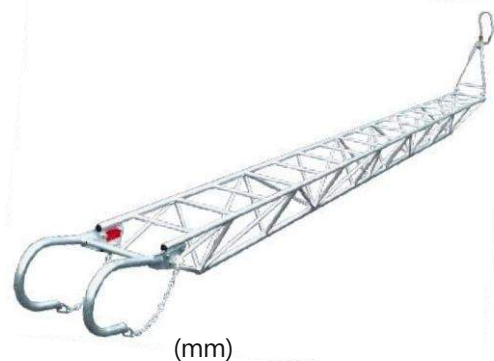
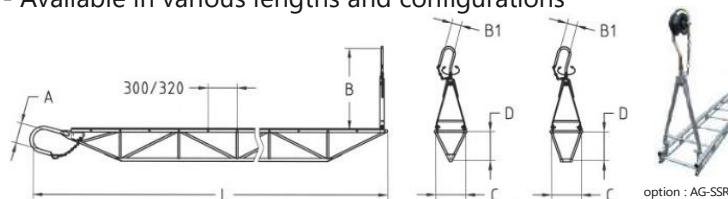
Horizontal platform with triangular design. Used for horizontal suspension in the workspace.

Can also be used as an upright suspension ladder. Aluminum welded steps

with a rough anti-slip surface. Equipped with a special AG/SS steel swivel hook Horizontal load: 200 daN . Vertical load : 300 daN

Optional equipment:

- Guide swivel steel hook with nylon roller Model AG/SS/R).
- Maximum hook size on the power pole side up to 400mm
- Available in various lengths and configurations



Symbol	elements	L (m.)	Weight (kg)	A	B	B1	C	D
013/G3,5	1	3,5	17,0	220	900	100	320	320
013/G4	1	4,0	18,5	220	900	100	320	320
013/G4,5	1	4,5	20,0	220	900	100	320	320
013/G5	1	5,0	21,5	220	900	100	320	320
013/G6	1	6,0	24,5	220	900	100	320	350
013/G6,2	2	6,0 (4+2)	26,0	220	900	100	320	350
013/G7,2	2	7,0 (4+3)	30,5	220	900	100	320	350
013/G8,2	2	8,0 (4+4)	34,0	220	900	100	320	350

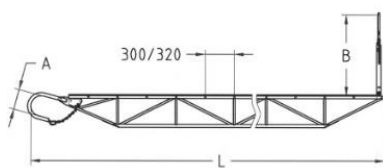
Horizontal platform with trapezoidal structure 013TP

Model 013TP

Horizontal platform with trapezoidal structure . Used for horizontal suspension in the workspace.

Can also be used as an upright suspension ladder. Aluminum welded steps

with a rough anti-slip surface. Equipped with a special AG/SS steel swivel hook Horizontal load: 300 daN . Vertical load : 300 daN



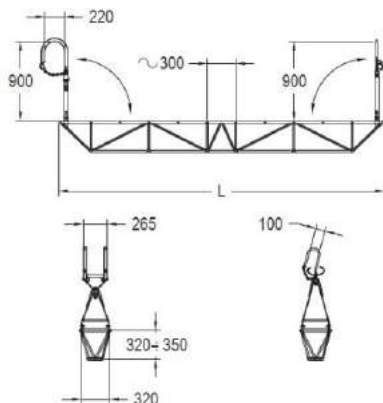
Symbol	elements	L (m.)	Weight (kg)	A	B	B1	C	D
013/TP3.5	1	3,5	19,0	220	900	100	320	320
013/TP4	1	4,0	21,0	220	900	100	320	320
013/TP4.5	1	4,5	23,0	220	900	100	320	320
013/TP5	1	5,0	24,5	220	900	100	320	320
013/TP6	1	6,0	28,0	220	900	100	320	350
013/TP6.2	2	6,0 (4+2)	29,5	220	900	100	320	350
013/TP7.2	2	7,0 (4+3)	34,5	220	900	100	320	350
013/TP8.2	2	8,0 (4+4)	39,0	220	900	100	320	350

Optional equipment:

- Guide steel swivel hook with nylon roller Model AG/SS/R).
- Maximum hook size on the power pole side up to 400mm
- Available in various lengths and configurations option : AG-SSR



Horizontal platform with triangular structure 013G



013G.GG triangular section

013TP.GG trapezoidal section

Triangular or trapezoidal section of horizontal platform

Structure of platform

Suitable for use both vertically and horizontally. Lightweight aluminium alloy, welded (TIG system) with slip-resistant rungs.

Galvanised folding and twisting hook Mod. AGG/SS -post side

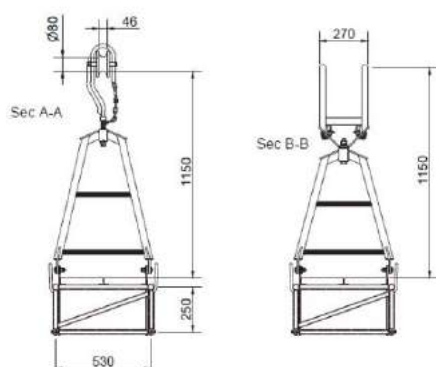
Swivel/folding hook Model AG/SS -conductor side.

- Horizontal working load of the triangular platform 200 daN

- Horizontal working load of the trapezoidal platform 300 daN

- Vertical working load 300 daN.

Horizontal platform of rectangular construction model 017 with non-slip floor Graepel



Model 017

Horizontal platform of rectangular construction

It is suitable for use both vertically and horizontally.

Lightweight aluminium alloy, TIG-welded with a slip-resistant floor "Graepel Gripp system".

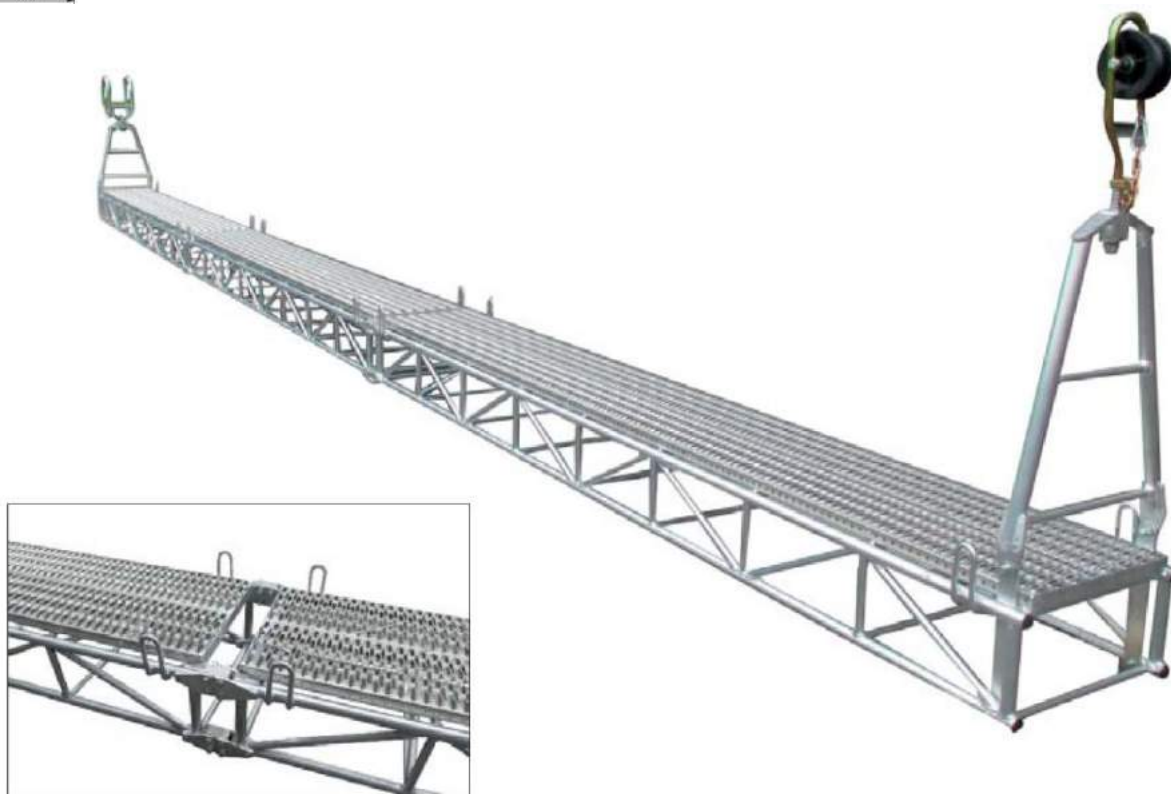
Galvanised folding and bolt-on hooks

Double swivel hook (pole side), single hook with nylon roller on cable side

- Standard length 12m (4 + 4 + 4), other lengths on request.

- Horizontal working load 300 daN.

- Weight 153 kg



Graepel Gripp system floor



Aluminium work platform model 070

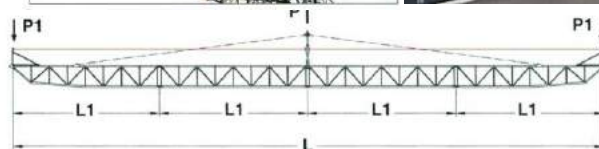
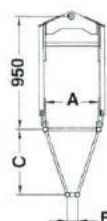
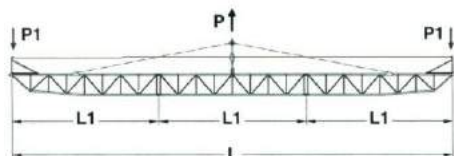
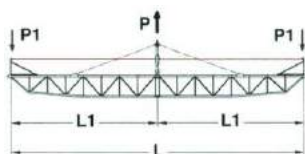
Model 070

Aluminium alloy structure, trapezoidal, welded (TIG system), composed of several elements.

Equipped with galvanized supports and safety rails connected by a steel cable (lifeline) suitable for the length and weight of the platform.

On request:

- guide profiles for press head trolley model 070/BP (weight 2 kg./m.)
- 360 degree rotary trolley for press head model 070/BPC (weight 12 kg.)
- additional safety barrier kits article 070/BAC
- other dimensions and configurations according to customer requirements



Symbol

Load
max P1=300 daN

Load

Weight

L (m.)

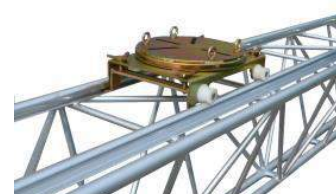
standard section
numbers and
L1 (m)

A (mm)

B (mm)

C (mm)

070/4	600	1800	50	4	4	350	85	390
070/5	600	1800	56	5	5	350	85	390
070/6	600	1800	62	6	6	350	85	390
070/6,2	600	1800	65	6	3+3	350	85	390
070/7,2	600	1800	77	7	3,5+3,5	350	85	446
070/8,2	600	1800	86	8	4+4	350	85	446
070/10,3	600	1800	103	10	4+2+4	350	85	446
070/12,3	600	1800	115	12	4+4+4	350	85	446
070/14,3	600	1800	126	14	5+4+5	350	85	446
070/16,4	600	1800	144	16	4+4+4+4	350	85	446
070/18,3	600	1800	160	18	6+6+6	350	85	446
070/20,4	600	1800	200	20	5+5+5+5	450	85	550
070/24,4	600	1800	254	24	6+6+6+6	450	85	550



Ask for other platform configurations on
info@electrapolska.com

Safety Barrier Model DT070BAC... (Approved by the ANCCP Institute as a "HORIZONTAL ANTI-COLLAPSE LIFELINE". according to EN 795)

Guide profiles for trolley Article 070/BP... - Press trolley Model 070BPC...

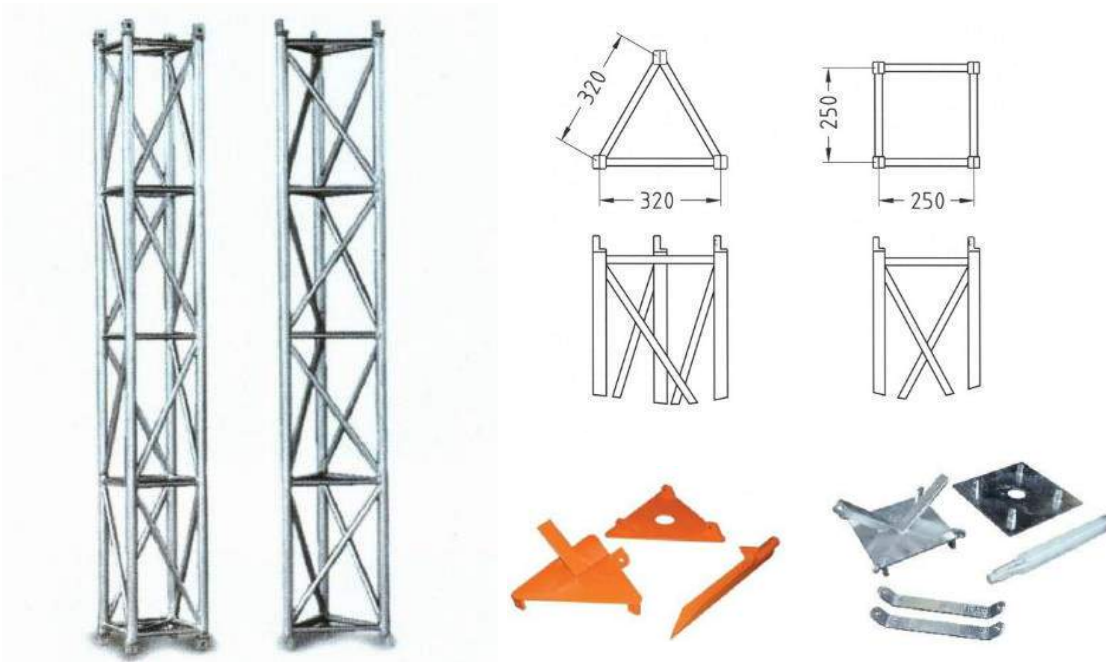


Modular gates with triangular or square profile

Aluminium construction with triangular profile 057
Aluminium construction with square profile 058

Suitable for working close to intersections between lines and roads. Modular elements (2 or 4 metres) with triangular or square cross-section, made of light aluminium alloy, welded (TIG-certified system). Available on request complete with galvanised steel accessories.

Vertical load structure section. triangular: 1000 daN Vertical
load structure section. square: 1500 daN



Symbol	Section length	Profile	Weight	handle head V	base	anchor point
057 AL2	2,0 m.	triangle	6,6	057PT	057B	057IA
057 AL4	4,0 m.	triangle	13,2	057PT	057B	057IA
058 AL2	2,0 m.	square	8,6	058PT	058B	058IA
058 AL4	4,0 m.	square	17,2	058PT	058B	058IA

The top crossing safety gate beam is designed to be mounted on 057 / 058 posts after fitting a special dedicated head. The beam is supplied complete with dedicated heads and is polypropylene coated.



058TR



058TR



058TR



XT901



XT901

Symbol	Load	Section length	Weight (kg)
058TR6	1000 kg	6,0	140
058TR9	1000 kg	9,0	220
XT901	400 kg		33,5



Aluminium ladder for steel and concrete poles model 014



Model 014

Aluminium ladder with safety device for steel and concrete columns

Suitable for climbing round and polygonal poles.

For square pole special configuration - available on request. Special attachment allows the operator to climb in safety. Made of welded aluminium alloy, with non-slip coating on the rungs

Modular design with base and top sections and the rear intermediate element needed to achieve the desired length (up to 30 m.)

The ladder is equipped with two fall protection devices with a safety anchor clipped to the operator's belt.

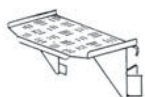
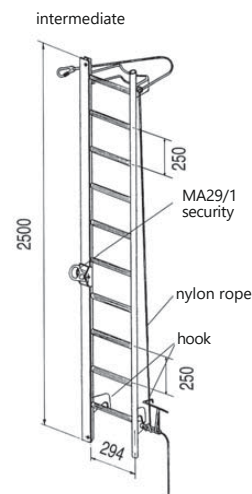
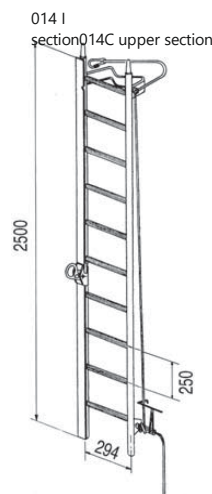
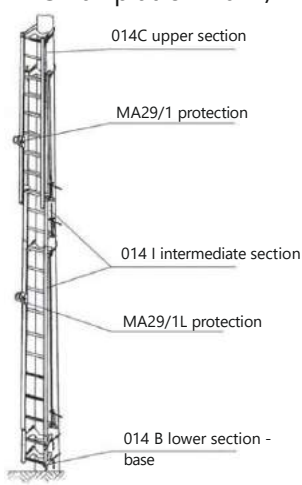
An aluminium alloy service platform for the operator is also available - upon request

Attention:

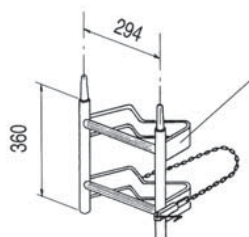
- To prevent unwanted twists on the structure when working at high altitude (above 30 m), a chain locking device is also available on request. (model 014 / BIP).

Weight with standard accessories:

- Base 014/B - 5.5 kg
- Intermediate part 014/I - 6.5 kg
- Upper part 014/C - 6.5 kg
- Small platform 014/EN - 1



014 EN tool platform



014 B sliding base with chain





Ladder 010



Model 010/...

Ladder for climbing poles of steel construction Made of welded aluminium components (TIG welding system) with a zinc-plated steel hook and complete fall protection device (model MA 19/1R)
- vertical working load 100 daN

010/1 length 3.7 m , weight 9.0 kg
010/2 length 4.7 m , weight 11.0 kg

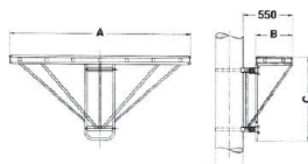
On request: - other lengths

Platform 071EL



Model 071/EL...

Pole work platform
Suitable for repairs on round poles . Made of aluminium components welded (TIG) with a set of nylon straps.
Made of aluminium components welded (TIG)
- working load 100 daN



Symbol	A	B	C	Weight
071/EL	684	410	488	8,5
071/EL 1.5	1500	410	925	13,5
071/EL 2.5	2500	410	925	17,0

On request:
- working load 150 daN
- other dimensions

Work platform 071V



Model 071/V...

Pole work platform
Suitable for repairs on round poles Semi-circular flat platform structure made
Made of aluminium components welded (TIG) with complete chain fastening devices.
Weight 14 kg.
Working load 200 daN



Aluminium GIN POLE

Model 050

Aluminium pull-post for load hoisting operations, positioned in the ground, on upright columns and steel tower structures (trusses). Consists of 2 or more sections. TIG-welded aluminium alloy lattice structure. Working load on the 'PN' head from 1000 to 10000 daN (10-100 kN). Length from 6 to 22m with swivel head, anchor base and towing hook with 5000 daN (50 kN) strength and design with external or internal cable passage. Maximum pulling force on the towing post "PN" consists of the load force "C" and the rope tension force "T"

In each case, the maximum pulling force must be calculated individually before using the pole for pulling, taking into account:

- loading conditions
- post slope
- post bracing and seating system

On request:

- possibility to supply poles with different parameters, overall length, quantities, section lengths
- possibility to deliver a pole made of steel

Note: Each pole is completed with a serial number on the connecting joints for further identification and to avoid confusion and returns when ordering additional components.



Symbol	Pos.1	PN = T+C (daN)		Pos.3	Quantity/length (m.)	section	Weight of components(kg)		basis (kg)
	$\alpha=0^\circ$	Pos.2 $\alpha=20^\circ$		$\alpha=20^\circ$			ext	call	
050/1/6,2	1000	600		240	6	3+3	43	54	10
050/1/8,2	1000	600		240	8	4+4	54	66	10
050/1,5/8,2	1500	900		360	8	4+4	65	74	10
050/1,5/10,2	1500	900		360	10	5+5	76	87	10
050/1,5/12,3	1500	900		360	12	4+4+4	86	98	10
050/2/8,2	2000	1200		480	8	4+4	67	75	10
050/2/10,3	2000	1200		480	10	4+2+4	80	88	10
050/2/12,3	2000	1200		480	12	4+4+4	91	99	10
050/3/8,2	3000	1800		720	8	4+4	74	79	19
050/3/12,3	3000	1800		720	10	4+4+4	109	117	19
050/3/16,4	3000	1800		720	16	4+4+4+4	149	155	19
050/3/18,3	3000	1800		720	18	6+6+6	162	170	19
050/4/10,3	4000	2400		960	10	4+2+4	98	116	19
050/4/12,3	4000	2400		960	12	4+4+4	113	131	19
050/4/16,4	4000	2400		960	16	4+4+4+4	166	182	19
050/4/20,4	4000	2400		960	20	5+5+5+5	208	225	19
050/5/12,3	5000	3000		1200	12	4+4+4	139	152	19
050/5/16,4	5000	3000		1200	16	4+4+4+4	208	221	19
050/5/20,4	5000	3000		1200	20	5+5+5+5	266	278	19
050/7/12,3	7000	4200		1680	12	4+4+4	160	198	29
050/7/16,4	7000	4200		1680	16	4+4+4+4	210	245	29
050/7/20,4	7000	4200		1680	20	5+5+5+5	245	283	29
050/10/16,4	10000	6000		2400	16	4+4+4+4	241	278	60
050/10/20,4	10000	6000		2400	20	5+5+5+5	291	325	60



Aluminium GIN POLE

Model 050 - components



Swivel head EXTERNAL
rope crossing



Swivel base EXTERNAL
rope crossing



Swivel base with a hook ENTERPRISE
rope crossing



Swivel head with integrated pulley for
INTERNAL rope crossing



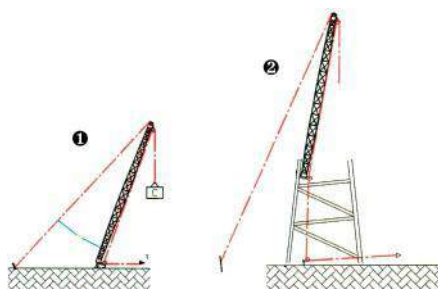
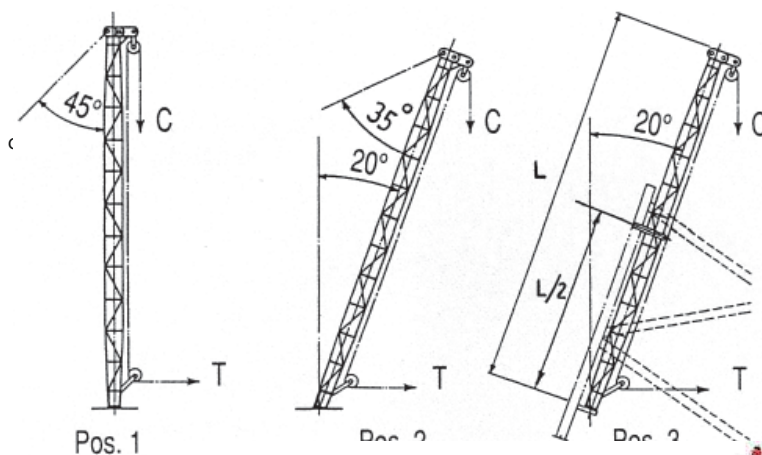
Swivel base with cap
for an INTERNAL rope crossing



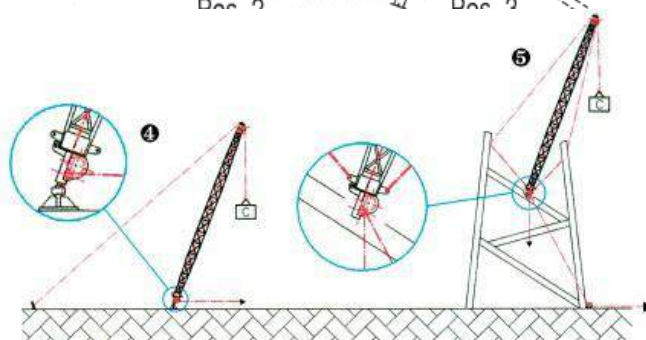
Ground base

$$PN = T + C$$

The rated load of each pole varies with inclination and anchor position. At the slope of 0° is defined by the formula $PN = T + C$, where 'T' is the pulling force (i.e. applied by the winch) and 'C' is the lifting weight. In other configurations the burden must be assessed on an individual basis. Please refer to this formula and the sketch below - identify the correct model gin field to adjust your needs and calculate the desired lifting capacity.



Some "RIGHT" ways to use an "OUTSIDE" rope crossing



Some "RIGHT" ways to use an "INTERNAL" rope crossing



Inspection trolley model 032 for single cable

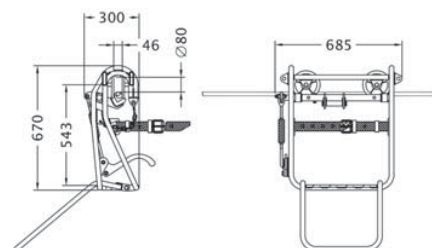


Model 032

Inspection trolley for single cable equipped with ball-bearing nylon wheels, Stationary brakes, footrests and nylon straps for back support. Made of welded aluminium alloy (TIG SYSTEM).
Operating load: 100 daN Weight: 12 kg

Optional features:

- 1) Metre counter
- 2) Aluminium wheels



Inspection trolley model 035 for single cable

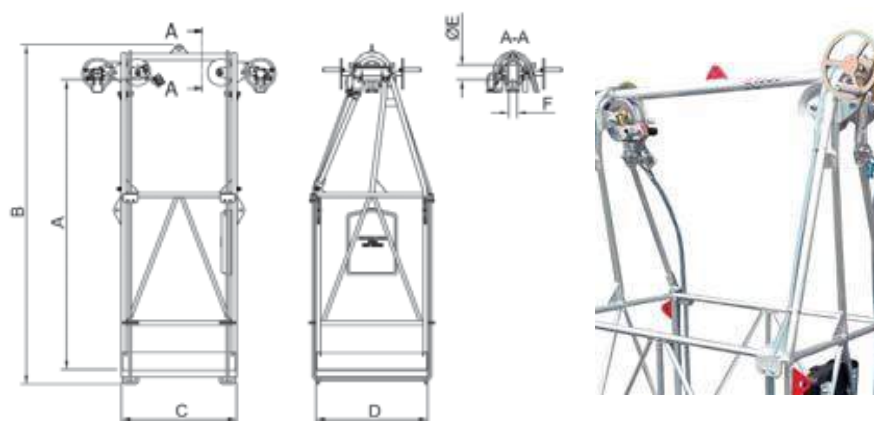


Model 035

Inspection trolley for single wire
Trolley version for 1 or 2 employees. Transport trolley with a set of aluminium wheels on ball bearings .
Non-slip floor, 2 parking brake units, frame safety cables . Metre counter
Made of welded aluminium alloy (TIG SYSTEM).

Optional features:

- 1) Dynamic disc brake
- 2) Nylon wheels
- 3) Grounding
- 4) Sizes available on request



Symbol	Load daN	number operators	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	number of wires	Weight (kg)
035 A	100	1	1650	1920	650	630	80	46	•	42
035 B	200	2	1650	1920	1000	630	80	46	•	46



Model 035 LA inspection trolley for single wire



Model 035 LA

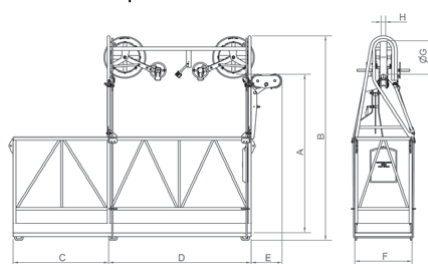
Inspection trolley for single wire

Trolley version for 2 operators. Transport trolley with set of 350 mm aluminium wheels on ball bearings with nylon lining. Equipped with balance wheels

Non-slip floor, 2 parking brake units, frame safety cables. Metre counter
Made of welded aluminium alloy (TIG SYSTEM).

Optional features:

- 1) Dynamic disc brake
- 2) Grounding
- 3) Sizes available on request



Symbol	Load daN	number operators	A	B	C	D	E	F	G	H	Number of conductors	Weight (kg)
035 LA	200	2	1650	2150	1000	1500	330	600	350	48	○	90

Inspection trolley model 036 for 2-3-4 cable bundles



Model 036

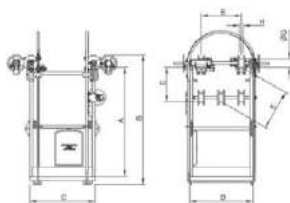
Inspection trolley for 2-3-4 cables

Trolley version for 1 operator. Inspection trolley with a set of aluminium wheels on ball bearings.

Construction with two cross arms and positioning rod Non-slip floor, 2 parking brake units, frame safety cables. Metre counter
Made of welded aluminium alloy (TIG SYSTEM).

Optional features:

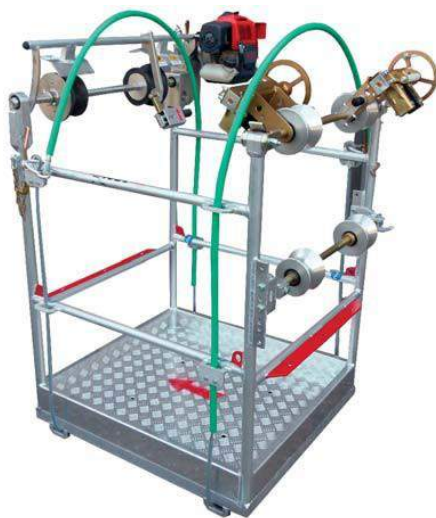
- 1) Nylon wheels
- 2) Grounding
- 3) Sizes available on request



Symbol	Load daN	quantity operators	A	B	C	D	E	G	H	number of wires	Weight (kg)
036 A	100	1	1095	1300	650	630	400-457	80	46		43
036 B	100	1	1095	1300	650	630	400-457	80	46		49
036 C	100	1	1095	1300	650	815	400-600	80	46		50
036 D	100	1	1095	1300	650	815	400-600	80	46		53



Inspection trolley model 036M for 2-3-4 bundles of cable with combustion engine



Model 036M

Combustion powered inspection trolley

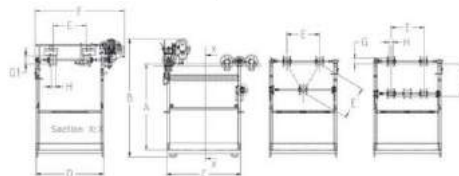
Available in configurations for 2, 3 or 4 wire harnesses with 1 operator with mechanical drive system

Made of weldable aluminium alloy construction (TIG SYSTEM) Functions and performances:

- 50cc, 2-stroke petrol engine with 2.4 hp (1.8 kW)
- Maximum speed 20 m/min (in both directions)
- Maximum inclination 25% (15 °)
- Mechanical gearbox, reverse direction with idle position
- Drive axle with rubber wheels for high traction
- Support and positioning of transverse arms with ball-bearing mounted aluminium wheels
- 2 stationary brakes, frame protection cables and metre counter

Optional features:

- 1) Nylon wheels
- 2) Grounding
- 3) Sizes available on request



Symbol	Load daN	quantity operators	A	B	C	D	E	G	H	number of wires	Weight (kg)
036 MA	100	1	1042	1450	900	815	400-500	70	55		67
036 MB	100	1	1042	1450	900	815	400-500	70	55		73
036 MC	100	1	1042	1450	900	915	400-600	70	55		73
036 MD	100	1	1042	1450	900	915	400-600	70	55		79

Inspection trolley model 034/2 for 2-3-4 cable bundles



Model 034/2

Inspection trolley for 2-3-4 cables

Trolley version for 2 operators. Inspection trolley with set of aluminium wheels on ball bearings . Non-slip floor, 2 parking brake units , frame safety cables . Metre counter

Made of welded aluminium alloy (TIG SYSTEM).

Optional features:

- 1) Nylon wheels
- 2) Grounding
- 3) Wheel lifting device model DT034MDSR-S0000
- 4) Sizes available on request

Symbol	Load daN	quantity operators	A	B	C	D	E	G	H	number of wires	Weight (kg)
034 2A	200	2	1042	1250	1300	915	400-600	70	55		64
034 2B	200	2	1042	1250	1300	915	400-600	70	55		69
034 2C	200	2	1042	1250	1700	915	400-600	70	55		68
034 2D	200	2	1042	1250	1700	915	400-600	70	55		74



Inspection trolley model 034 M2 for 2-3-4 bundles of cable with combustion engine



Model 034M2

Combustion powered inspection trolley

Available in configurations for 2,3 or 4 wire harnesses with 2 operators with mechanical drive system, Inspection trolley with set of ball bearing aluminium wheels.

Non-slip floor, 2 parking brake units, frame safety cables. Metre counter Made of welded aluminium alloy (TIG SYSTEM). Features and performances:

- 4-stroke petrol engine with 4.0 hp (2.95 kW)
- Maximum speed 30 m/min (in both directions)
- Maximum inclination 40% (22 °)

Optional features:

- 1 Nylon wheels
- 2 Grounding
- 3 Sizes available on request
- 4 Wheel lifting device model DT034MDSOR-S0000

Symbol	Load daN	quantity operators	A	B	C	D	E	G	H	number of wires	Weight (kg)
034 M2A	200	2	1075	1300	1380	940	400-600	100	55	—	116
034 M2B	200	2	1365	1590	1380	940	400-600	100	55		136

Inspection trolley model 034/4 for 2-3-4 cable bundles



Model 034/4

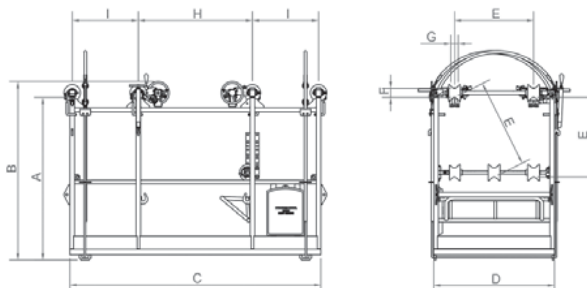
Inspection trolley for 2-3-4 cables

Trolley version for 2 operators. Inspection trolley with set of aluminium wheels on ball bearings.

Construction with two cross arms and positioning rod Non-slip floor, 2 parking brake units, frame safety cables. Metre counter Made of welded aluminium alloy (TIG SYSTEM).

Optional features:

- 1 Nylon wheels
- 2 Grounding
- 3 Sizes available on request
- 4 Wheel lifting device model DT034MDSOR-S0000
- 5 Horizontal rotation of all transverse arms



Symbol	Load daN	number of operators	A	B	C	D	E	G	H	quantity wires	Weight (kg)
034 4A	200	2	1042	1250	1900	915	400-600	55	865		105
034 4B	200	2	1142	1350	1900	915	400-600	55	865		112



Inspection trolley model 034 M4 for 2-3-4 bundles of cable with combustion engine



Model 034M4

Combustion powered inspection trolley
Hydraulic drive gear, aluminium traction wheels with rubber inserts.

Available in configurations for 2,3 or 4 wire harnesses with 2 operators with four transverse arms, positioning rod and non-slip flooring.

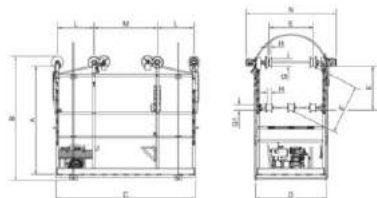
2 pcs parking brake, frame safety cables. Metre counter.

Made of welded aluminium alloy (TIG SYSTEM). Features and performances:

- 4-stroke petrol engine - 4 hp (2.95 kW)
- Maximum speed 30 m/min (in both directions)
- Maximum inclination 40% (22 °)

Optional features:

- 1) Nylon wheels
- 2) Grounding
- 3) Horizontal rotation of all crossbars
- 4) Wheel lift mechanism Art. no. DT034MDSR-S0000
- 5) Sizes available on request



DT034MDSR-S0000

Symbol	Load daN	quantity operators	A	B	C	D	E	G	H	number of wires	Weight (kg)
--------	----------	--------------------	---	---	---	---	---	---	---	-----------------	-------------

034 M4	200	2	1470	1700	1900	940	400-600	100	55		218
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Inspection bicycle BCN 038



Model BCN 038

Bicycle for the placement of signal balls of detachments. Product innovation:

- aluminium alloy (TIG) welded construction, which allows a reduction in weight and dimensions.
- innovative drive transmission mode, "cross joint" to avoid transmission system error.
- optimised design, emergency brake

The device is adapted with an actual safety standard. In fact, the solution prevents, uncontrolled movements and accelerations, practically it will be activated only at the request of the operator.

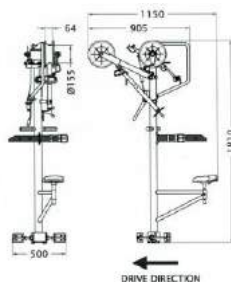
- very low gear ratios require very little pedal pressure, for easy running up to 25% of the swing range.
- Adjustment of seat height, as well as tilt, adapting the device to different body sizes,
- structure of the bicycle, allows easy folding of the bicycle, reduction in size to the original packaging for transport.

Additional features:

Equipped with a disc brake and an emergency brake clamping on the cable, controlled by a lever, wheel distance is adjustable: 400, 457 and 500 mm for double and quadruple cables, 400, (457, 500 mm on special order) for triple cables.



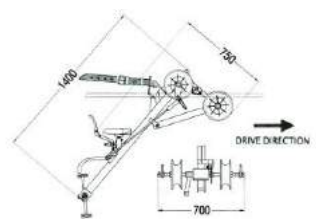
Inspection trolley 038/1



Model 038/1

Inspection bicycle for individual power line conductors Weight: 25 kg.
Load capacity: 100 daN

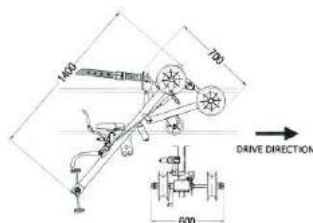
Inspection trolley 038/2



Model 038/2

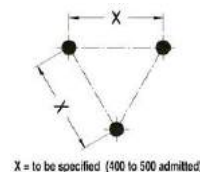
Inspection bicycle for double conductors of power lines Weight: 32 kg.
Load capacity: 100 daN

Inspection trolley 038/3

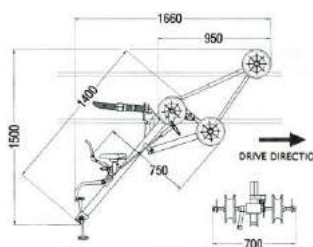


Model 038/3

Inspection bicycle for triple conductors of power lines Weight: 38 kg.
Load capacity: 100 daN.



Inspection trolley 038/4



Model 038/4

Inspection bicycle for quadruple conductors of power lines Weight: 42 kg.
Load capacity: 100 daN.



Inspection basket bike 038 1C

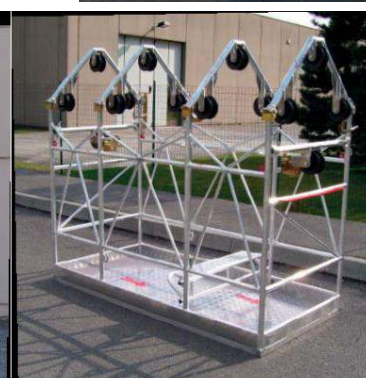
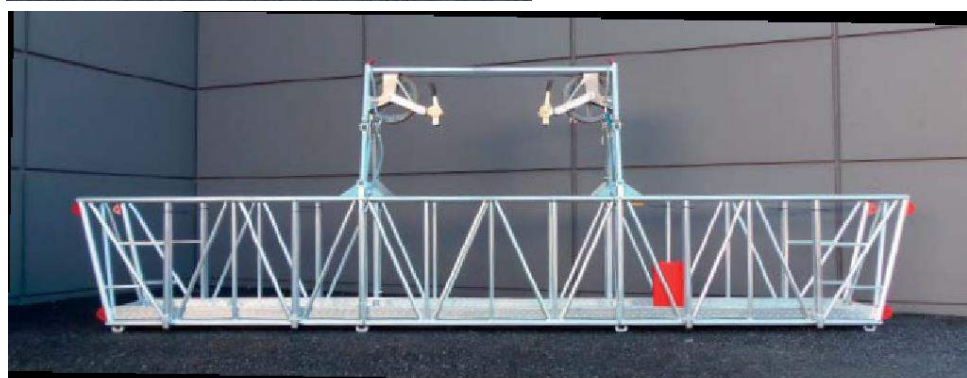
Model 038 1C

Inspection basket bike . Basket version, suitable for hanging warning balls or inspection of a single conductor on an overhead line Made of TIG-welded aluminium alloy

Cardan driveline . Negative braking system . Stationary braking system Low gear ratio to reduce pedal effort . Maximum (recommended) gradient of up to 30% . Adjustable seat . High-strength nylon rollers with 'adiprene' . Counter



Our unusual projects . You are welcome to inquire





25
LAT

Hydraulic Machines for overhead line construction

Winches
Hydraulic puller
Hydraulic tensioner
Puller/ tensioner





PCW3000 Diesel rope winch



The PCW3000 is powered by a Honda GX-35 4-stroke engine that can also operate at an angle. The entire ascender weighs just 9.5kg and the load capacity on a single string is 700kg. The reason this winch is so popular with powerlifters is that it provides excellent performance at a low weight! Additional accessories are available for the ascender for long-distance transport, such as a lightweight frame or mounting to a car with a special trunk made of durable plastic.

This innovative winch has virtually no competition in its class.

The PCW3000 winch will help you to operate in hard-to-reach areas. Polyester rope with a diameter of 10 mm is recommended, rope length unlimited

Pulling force 700 kg

Speed 10m/min

Winch 76 mm Rope

minimum 10 mm

Rope maximum 16 mm

Dimensions 29 x 35 x 26 cm

Weight 9.5 kg





PCW5000 Diesel rope winch



The PCW5000 is powered by a Honda GXH50 4-stroke engine that can also operate at an angle. The entire winch weighs just 16 kg and has a load capacity of 1,000 kg on a single rope, increasing to 2,000 kg with the use of a pulley. The perfect winch for energy work as assembly support. Two speeds depending on the diameter used winch.

At maximum capacity with a 57mm winch, the speed is 12m / min.

With an 85mm winch (optional) the load capacity will be 700kg and the speed 18m/min.

Polyester rope with a diameter of 12 mm is recommended, the length of the rope remains unlimited.

The L9/1000 is an investment that will quickly pay off by providing excellent support for years to come.

Pulling power 1000 kg 57 mm winch

Option : 85 mm winch (700 kg)

Speed 12m/min at 57 mm winch

Speed 18m/min at 85 mm winch

Minimum rope 10 mm

Maximum rope 16 mm

Recommended rope 12 mm

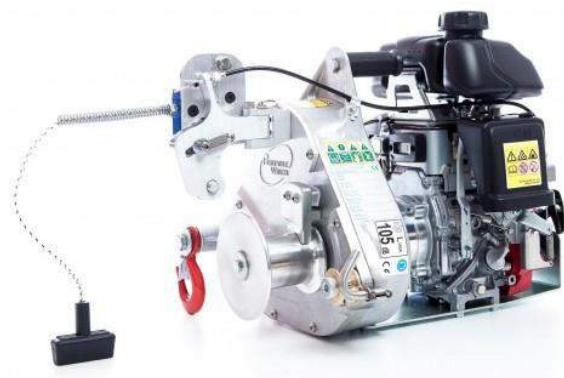
Dimensions 36 x 37 x 36 cm

Weight 16 kg





PCH1000 diesel rope winch with lifting capacity



The PCH1000 is the ideal tool for lifting load!

The winch has been specially designed for lifting loads on construction sites, assisting in the construction of overhead lines, installing telecommunications structures or installing various equipment.

It can lift a load of 250 kg with a single line and the pulley system doubles the force to 500 kg.

An integrated rope grab system (brake) will hold the load in position allowing the operator to work safely.

This system can be used to lift or lower a load. A number of accessories are available to simplify the installation process and anchor the winch to various anchor points, such as vehicle, pole, pylon and others. Standard 57 cm winch
Tractive force 775 kg

Lifting force 250 kg
Speed 12m/min
Optional 85 mm winch
Pulling force 540 kg
Lifting force 175 kg
Speed 18m/min

Rope maximum 13 mm
Dimensions 50 x 37 x 36 cm
Weight 19 kg





PCH2000 diesel rope winch with lifting capability



The PCH2000 model is equipped with a Honda GX-160 cc engine, which offers excellent performance in a wide range of tasks such as pole erection, insulator replacement, cable pulling and other strenuous tasks. This winch can lift a load of up to 450 kg with a single line or, using a pulley system, doubles the lifting capacity.

up to 900 kg. The integrated rope gripping system allows the operator to work safely and the start/stop mechanism means he can concentrate on the task at hand.

This system can be used to lift or lower a load. A number of accessories are available to simplify the installation process and anchor the winch to various anchor points, such as a vehicle, pole, pylon and others.

Standard 108 cm winch

Pulling power 1150 kg

Lifting force 450 kg

Speed 20m/min

Rope minimum 12 mm

Rope maximum 13 mm

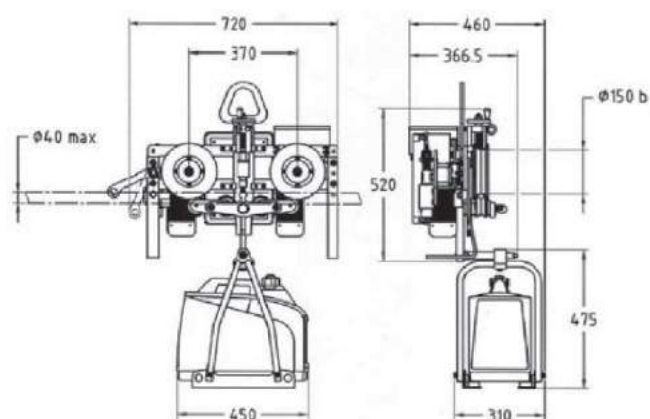
Dimensions 48 x 37 x 36 cm

Weight 34.5 kg





Remote-controlled cable replacement robot model 101 RBT



PARAMETERS

Speed: 20 m / min 'in both directions
Pulling capacity in kg : 150 kg Motor 1.8 HP
Weight: 46 kg

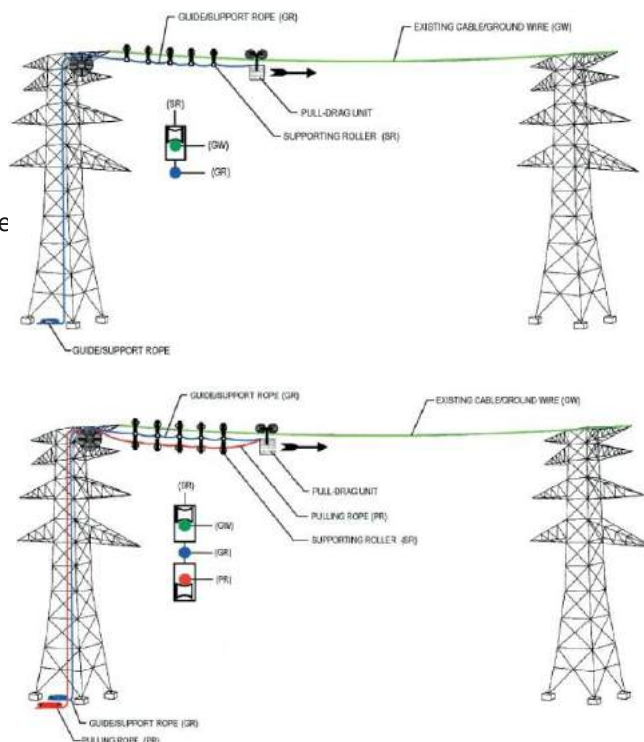
Remote-controlled pulling/pulling unit Aluminium frame . Rubberised aluminium wheels and safety latch.
Mechanical braking device to prevent uncontrolled reverse movement.
Suitable for hoses from 12 to 36 mm in diameter and passage at the centre joints up to 44 mm (hexagonal section).

Complete with lifting and towing accessories.

Remote-controlled via wireless radio control unit IP 67 (weight 100 g).
with push-button forward/reverse/brake control with 400m range.

Option :
Battery version

DRAWING METHODS





101A1 Hydraulic axial drum winch 10 kN capacity for stringing LV and MV overhead lines, hoisting and tower erection as well as underground cabling and sagging



PARAMETERS

Maximum load 10 kN
Maximum speed 35 m/min
Speed at max load 13m/min
Drum dimensions $\varnothing$ 160(331) x 440 mm
Drum capacity 250 m rope 10 mm
Weight without rope 190 kg

FEATURES AND OPTIONS

Standard functions

- one hydraulic circuit with negative braking system
- one dynamometer for direct reading of the pull-in value with load limiting device
- transport kit with rigid axle for manual towing
- Levelled hook for balanced winch lifting

ENGINE

Petrol (8.5 hp) 6.3 kW Air-cooled Start - cable

DIMENSIONS

Length 1520 mm
Height 580 mm
Width 660 mm

ADDITIONAL EQUIPMENT - OPTIONS

14-PW winch with large groove and rope holder
17-PW Special drum with automatic device retractable
A- $\varnothing$ 160x250 (rope 200 m $\varnothing$ 8)
B- $\varnothing$ 160x560 (rope 500 m $\varnothing$ 8)





101C1 Front drum hydraulic winch 10 kN capacity for stringing LV and MV overhead lines, hoisting and tower erection as well as underground cabling and sagging.



PARAMETERS

Maximum load 10 kN
Speed at maximum tension 13 m/min
Maximum speed 35 m.p.m.
Force at maximum speed 3.8 kN
Drum dimensions $\varnothing$ 270(480) x 520 mm ,
reel $\varnothing$ 230 mm Drum capacity 580 m rope
10 mm Weight without rope 350 kg

ENGINE

Petrol (8.5 hp) 6.3 kW Air-cooled Start - cable

DIMENSIONS

Height 870 mm
Width 1150 mm

FEATURES AND OPTIONS

Standard functions

- one hydraulic circuit with negative braking system
- one dynamometer for direct reading of the pull-in value with load limiting device
- winch with large groove and line holder
- transport kit with rigid axle for manual towing
- Levelled hook for balanced winch lifting

ADDITIONAL EQUIPMENT - OPTIONS

11-PW - road kit (80 km/h) 17-PW
- cone drum





101S1 Hydraulic winch 15 kN capacity with two large-groove side capstans for stringing LV and MV overhead lines, hoisting and tower erection as well as underground cabling and sagging.



PARAMETERS

Maximum load 15 kN
Speed at maximum tension 13 m/min
Maximum speed 35 m.p.m.
Force at maximum speed 7.6 kN
200 mm dia winch (on panel side) 250 mm
dia winch (on other side)
Weight without rope 320 kg

FEATURES AND OPTIONS

Standard functions

- one hydraulic circuit with negative braking system
- one dynamometer for direct reading of the pull-in value with load limiting device
- winch with large groove and line holder
- leveled hook for balanced winch lifting

ENGINE

Diesel (11.5 hp) 8.5 kW
Air-cooled
Start- electric

DIMENSIONS

Length 1450 mm
Height 650 mm
Width 750 mm

ADDITIONAL EQUIPMENT - OPTIONS

02-PW Rigid axle set for manual towing
17-PW Special automatic drum (rope capacity
200 m $\varnothing$ 8 mm)





109T1.5 Front drum hydraulic winch 15 kN capacity for stringing LV and MV overhead lines, hoisting and tower erection as well as underground cabling and sagging.



PARAMETERS

Maximum load 15 kN
Speed at maximum tension 25 m/min
Maximum speed 70 m/min
Drum dimensions $\varnothing$ 350 x 620 mm
Drum capacity 400 m rope 12 mm
Weight without rope 1260 kg

ENGINE

Diesel (25 hp) 19.0 kW
Cooling : liquid
Emission standard -(EU) 2016/1628 StageV

DIMENSIONS

Length 2600 mm
Height 1850 mm
Width 1750 mm

FEATURES AND OPTIONS

Standard functions

- one hydraulic circuit with negative braking system
- one dynamometer for direct reading of the pull-in value with load limiting device
- 300 m. 12 mm HMPE rope
- remote control with console on 5 m cable
- independent stabilisers (front and rear)
- the machine cover can be opened from three sides
- road train with a lifting capacity of 1350 kg up to 80 km/h
- leveled hook for balanced winch lifting

ADDITIONAL EQUIPMENT - OPTIONS

- 04-PW Radio control panel
- 13-PW Pre-heater up to (30 degrees)
- 30-PW Spare wheel
- 34-PW Pressure roller on drum





109T2 Hydraulic front drum winch 30 kN capacity, suitable for transport by helicopter, for stringing LV and MV overhead lines, hoisting and tower erection as well as underground cabling and sagging.



PARAMETERS

Maximum load 30 kN
Speed at maximum tension 18m/min
Maximum speed 65 m/min
Drum dimensions $\varnothing$ 350(510) x 620 mm
Drum capacity 350 m rope 13 mm
Weight without rope 840 kg

ENGINE

Diesel (25 hp) 19 kW
Cooling : liquid
Emission standard -(EU) 2016/1628 StageV

DIMENSIONS

Length 1850 mm
Height 1380 mm
Width 1500 mm

FEATURES AND OPTIONS

Standard functions

- one hydraulic circuit with negative braking system
- one dynamometer for direct reading of the pull-in value with load limiting device
- independent stabilisers (front and rear)
- Rigid axle with towing capacity up to 30 km/h
- leveled hook for balanced winch lifting

ADDITIONAL EQUIPMENT - OPTIONS

11-PW Road trailer kit (80 km / h)
14-PW Large groove winch with older clamp,
version A - 10kN Capacity
Version B - 30 kN Capacity
03-PW wired remote control
04-PW wireless remote control
13-PW pre-heater up to (30 degrees)





109T5 Hydraulic front drum winch 55 kN capacity, suitable for transport by helicopter, for stringing LV and MV overhead lines, hoisting and tower erection as well as underground cabling and sagging.



PARAMETERS

Maximum load 55 kN
Speed at maximum pull 1.0 km/h
Maximum speed 5.0 km/h
Force at maximum speed 11.0 kN
Drum dimensions $\varnothing 450 \times 700$ mm
Drum capacity 350 m rope 18 mm
Weight without rope 1100 kg

ENGINE

Diesel (36.5 hp) 27.0 kW
Cooling : liquid
Emission standard -(EU) 2016/1628 StageV

DIMENSIONS

Length 1900 mm
Height 1300 mm
Width 1650 mm

FEATURES AND OPTIONS

Standard functions

- one hydraulic circuit with negative braking system
- one dynamometer for direct reading of the pull-in value with load limiting device
- independent stabilisers (front and rear)
- Rigid axle with towing capacity up to 30 km/h
- leveled hook for balanced winch lifting

ADDITIONAL EQUIPMENT - OPTIONS

11-PW Road trailer kit (80 km / h)
14-PW Large groove winch with older clamp,
version A - 10 kN Capacity
Version B - 30 kN Capacity

03-PW Wired remote control
04-PW Wireless remote control





107R1 Hydraulic puller 15 kN capacity for single rope pulling on overhead stringing operations as well as underground cabling.



PARAMETERS

Maximum load 15 kN
Speed at maximum pull 1.0 km/h
Maximum speed 4.5 km/h
Force at maximum speed 5.0 kN
Spool dimensions $\varnothing$ 200 x 220 mm , winches 200 mm
Spool capacity 500 m rope 9 mm , max rope 10 mm
Weight without rope 440 kg

ENGINE

Petrol (18.0 hp) 13.0 kW Cooling : liquid
Start - electric

DIMENSIONS

Length 1450 mm
Height 750 mm
Width 850 mm

FEATURES AND OPTIONS

Standard functions

- one hydraulic circuit with negative braking system
- one dynamometer for direct reading of the pull-in value with load limiting device
- Heat-treated steel winches
- automatic winding system
- removable rear spool
- roller system for laying underground cables
- rigid axle with towing capacity up to 30 km/h
- leveled hook for balanced winch lifting

ADDITIONAL EQUIPMENT - OPTIONS

- 01-PW Adaptation for digital data recorder, counter and speedometer
- 11-PW Road trailer kit (80 km/h)
- 18-PW Digital metre counter





107R2 Hydraulic puller 25 kN capacity for single rope pulling on overhead stringing operations as well as underground cabling



PARAMETERS

Maximum load 25 kN
Speed at maximum pull 1.5 km/h
Maximum speed 5.0 km/h
Force at maximum speed 7.5 kN 250 mm winches
Maximum cable diameter 10 mm
Weight 950 kg

MODEL

107R2 - model with manual control panel
107R2D - model with control panel equipped with a 7" LCD touch screen that includes: setting the maximum pulling force and instant indication, counter, speed indicator and hours worked. USB output for downloading data for recording

DIMENSIONS

Length 2350 mm
Height 1700 mm
Width 1600 mm



FEATURES AND OPTIONS

Standard functions

- one hydraulic circuit with negative braking system
- one dynamometer for direct reading of the pull-in value with load limiting device
- heat-treated steel winches
- automatic bobbin winding system with a diameter of 1100 to 1400 mm
- rigid axle with towing capacity up to 30 km/h
- leveled hook for balanced winch lifting

Diesel engine (25.0M) 18.6 kW Cooling : liquid

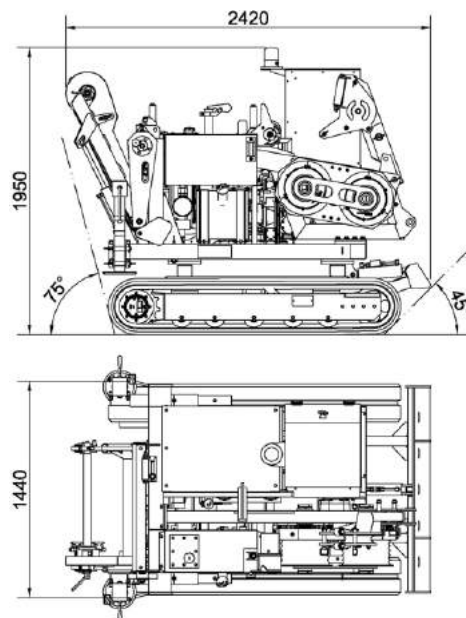
Emission standard -(EU) 2016/1628 StageV

ADDITIONAL EQUIPMENT - OPTIONS

- 01-PW Adaptation for digital data recorder, counter and speedometer
- 06-PW Adaptation to the work of laying earth cables (Telescopic rod AT1.3 - optional)
- 07-PW Hydraulic PTO for remote winder
- 03-PW Wired remote control 04-PW Wireless remote control 05-PW Rope attachment bracket (hydraulic)
- 13-PW Pre-heater (up to -30°C) 18-PW Digital metre counter
- 20-PW Dynamic speed control pull-in force



107RS3 Hydraulic puller 35 kN capacity for single rope pulling on overhead stringing operations as well as underground cabling.



PARAMETERS

Maximum load 35 kN
Speed at maximum pull 1.5 km/h
Maximum speed 5.1 km/h
Winches 300 mm
Maximum cable diameter 13 mm
Weight 1750 kg

MODEL

107RS3 - control panel model equipped with a 7" LCD touchscreen, which includes: maximum pulling force setting and instant indication, counter, speed indicator and hours worked. USB output for downloading data for recording

DIMENSIONS

Length 2350 mm
Height 1700 mm
Width 1600 mm



FEATURES AND OPTIONS

Standard functions

- one hydraulic circuit with negative braking system
- one dynamometer for direct reading of the pull-in value with load limiting device
- radio control unit
- Heat-treated steel winches
- automatic bobbin winding system with a diameter of 1100 to 1400 mm
- Mechanical rear supports and front plough
- Maximum track speed 5 km/h
- Balanced upper lifting point and fastening lugs
- leveled hook for balanced winch lifting

Diesel engine (25.0M) 18.6 kW Cooling : liquid
Emission standard -(EU) 2016/1628 StageV

06-PW Adaptation to the work of laying earth cables

07-PW Hydraulic PTO for remote winder

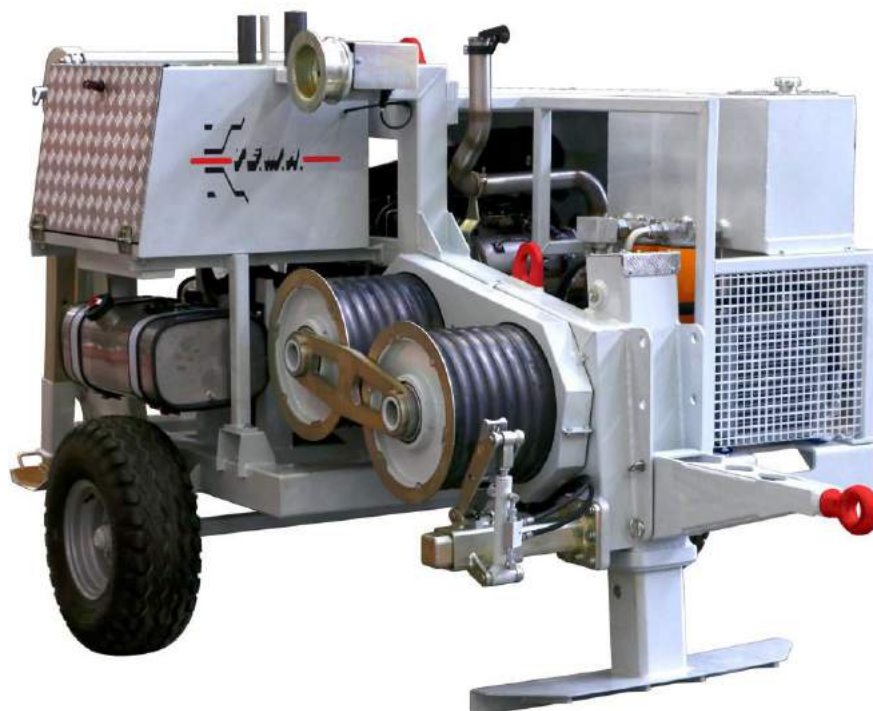
05- PW Rope clamp (hydraulic)

13-PW Pre-heater (up to -30 °C)

20-PW Dynamic speed control pull-in force



107R5 Hydraulic puller 50 kN capacity for single rope pulling on overhead stringing operations as well as underground cabling.



PARAMETERS

Maximum load 50 kN
Speed at maximum pull 2.1 km/h
Maximum speed 5.0 km/h
Winches 400 mm
Maximum cable diameter 16 mm
Weight 2,300 kg

MODEL

107R5 - model with manual control panel
107R5D - model with control panel equipped with a 7" LCD touch screen, which includes: setting the maximum pulling force and instant indication, counter, speed indicator and hours worked. USB output for downloading data for recording

DIMENSIONS

Length 2700 mm
Height 2100 mm
Width 1900 mm

FEATURES AND OPTIONS

Standard functions

- one hydraulic circuit with negative braking system
- one dynamometer for direct reading of the pull-in value with load limiting device
- Heat-treated steel winches
- automatic bobbin winding system with a diameter of 1100 to 1400 mm
- Rigid axle with towing capacity up to 30 km/h
- leveled hook for balanced winch lifting

Diesel engine (73 hp) 54.0 kW Cooling: liquid

Start - electric

Emission standard - (EU)2016/1628 Stage V

ADDITIONAL EQUIPMENT - OPTIONS

- 01-PW Adaptation for digital data recorder, counter and speedometer
- 06-PW Adaptation to the work of laying earth cables
- 07-PW Hydraulic power take-off for remote winder
- 03-PW Wired remote control
- 04-PW Wireless remote control
- 05-PW Rope attachment bracket (hydraulic)
- 13-PW Pre-heater (up to -30°C)
- 18-PW Digital metre counter
- 20-PW Dynamic speed control pull-in force





107R8 Hydraulic puller 90 kN capacity for single rope pulling on overhead stringing operations as well as underground cabling



PARAMETERS

Maximum load 90 kN
Speed at maximum tension 2 km/h
Maximum speed 5 km/h
Force at maximum speed 40 kN
Winches 600 mm
Maximum cable diameter 24 mm
Weight 3400 kg

MODEL

107R8 - manual control panel model
107R8D - model with control panel equipped with control panel model featuring a 7" LCD touchscreen which includes: setting the maximum pulling force and instant indication, counter, speed indicator and hours worked. USB output for downloading data for recording

DIMENSIONS

Length 3400 mm
Height 2100 mm
Width 2200 mm



FEATURES AND OPTIONS

Standard functions

- one hydraulic circuit with negative braking system
- Dynamometer for direct reading of tractive effort with load limiter
- Heat-treated steel winches
- automatic bobbin winding system with a diameter of 1100 to 1400 mm
- Remote control with console 5 m cable
- rigid axle with towing capacity up to 30 km/h
- leveled hook for balanced winch lifting

Diesel engine (125 hp) 93 kW Cooling: liquid

Emission standard - (EU)2016/1628 Stage V

ADDITIONAL EQUIPMENT - OPTIONS

- 06-PW Adaptation to the work of laying earth cables
- 07-PW Hydraulic PTO for remote winder
- 28-PW GSM module with GPS geolocation
- 04-PW Wireless remote control
- 05-PW Hydraulic cable stop handle
- 13-PW Pre-heater (up to -30 °C)
- 20-PW Dynamic pull-in force speed control



107R10 Hydraulic puller 100 kN capacity for single rope pulling on overhead stringing operations



PARAMETERS

Maximum load 100kN
Speed at maximum pull 2.1 km/h
Maximum speed 5 km/h
Force at maximum speed 40 kN
Winches 550 mm
Maximum cable diameter 22 mm
Weight 4250 kg

MODEL

107R10 - model with manual control panel
107R10D - model with control panel equipped with a 7" LCD touch screen, which includes: setting the maximum pulling force and instantaneous display, counter, speed and elapsed time display USB output for data download to record

DIMENSIONS

Length 3850 mm
Height 2330 mm
Width 2330 mm



FEATURES AND OPTIONS

Standard functions
- one hydraulic circuit with negative braking system
- Heat-treated steel winches
- automatic bobbin winding system with a diameter of 1100 to 1400 mm
- Remote control with console 5 m cable
- Rigid axle with towing capacity up to 30 km/h
- leveled hook for balanced winch lifting

Diesel engine (125 hp) 93 kW
Cooling: liquid
Emission standard - (EU)2016/1628 Stage V

ADDITIONAL EQUIPMENT - OPTIONS

06-PW Adaptation to the work of laying earth cables
07-PW Hydraulic PTO for remote winder
28-PW GSM module with GPS geolocation
04-PW Wireless remote control
05-PW Hydraulic cable stop handle
13-PW Pre-heater (up to -30 °C)
20-PW Dynamic pull-in force speed control



107R5.2 Hydraulic puller 100 kN capacity for one or two ropes for overhead stringing operations, designed to be used as a twin independent capstans puller (50+50 kN) as well as in coupled mode (100 kN)



PARAMETERS

Maximum load 2x50 kN or 1x100 kN
Speed at maximum tension 2.0 km/h
Maximum speed 5.0 km/h
Force at maximum speed 2x18 kN or 1x36 kN
Winches 550 mm
Maximum rope diameter 22 mm
Weight 5400 kg

ENGINE

Diesel (143 hp) 105 kW
Cooling : liquid
Emission standard - (EU)2016/1628 Stage V

DIMENSIONS

Length 3850 mm
Height 2330 mm
Width 2400 mm



FEATURES AND OPTIONS

Standard functions

- two hydraulic circuits with negative braking system
- two dynamometers for direct reading of retraction values with load limiting device
- Heat-treated steel winches
- two independent automatic bobbin winding systems with diameters of 1100 to 1400 mm
- wired remote control
- Rigid axle with towing capacity up to 30 km/h
- leveled hook for balanced winch lifting

ADDITIONAL EQUIPMENT - OPTIONS

- 01-PW Adaptation for digital data recorder, counter and speedometer
- 07-PW Hydraulic PTO for remote winder
- 04-PW Wireless remote control
- 05-PW Rope attachment bracket (hydraulic)
- 13-PW Pre-heater (up to -30°C)
- 18-PW Digital metre counter
- 20-PW Dynamic speed control pull-in force



107R7.2 Hydraulic puller 150 kN capacity for one or two ropes on overhead stringing operations, designed to be used as a twin independent capstans puller (75+75 kN) as well as in coupled mode (150 kN)



PARAMETERS

Maximum load 2x75 kN or 1x150 kN
Speed at maximum tension 2.2 km/h
Maximum speed 5.0 km/h
Force at maximum speed 2x27 kN or 1x54 kN
Cabstan 600 mm Maximum cable diameter 24 mm
Weight 6800 kg

ENGINE

Diesel (218 hp) 160 kW
Cooling : liquid
Emission standard - (EU)2016/1628 Stage V

DIMENSIONS

Length 4050 mm
Height 2400 mm
Width 2200 mm

FEATURES

- two hydraulic circuits with negative braking system
- two dynamometers for direct reading of retraction values with load limiting device
- Heat-treated steel winches
- two independent automatic bobbin winding systems with diameters of 1100 to 1400 mm
- wired remote control
- Rigid axle with towing capacity up to 30 km/h
- leveled hook for balanced winch lifting

ADDITIONAL EQUIPMENT - OPTIONS

- 01-PW Adaptation for digital data recorder, counter and speedometer
- 07-PW Hydraulic PTO for remote winder
- 04-PW Wireless remote control
- 05-PW Rope attachment bracket (hydraulic)
- 13-PW Pre-heater (up to -30°C)
- 18-PW Digital metre counter
- 20-PW Dynamic speed control pull-in force





FA155.11 Hydraulic tensioner-puller 50 kN capacity for single conductor and OPGW cable stringing operations.



BRAKING PARAMETERS

Maximum load 50 kN
Maximum speed 5.0 km/h

PARAMETERS

Winches 1500 mm
Pulling capacity 50 kN at 1.0 km/h
Maximum cable diameter 40 mm Weight
2900 kg

ENGINE

Diesel engine (36.5 hp) 27 kW Cooling:
liquid
Emission standard - (EU)2016/1628 Stage

DIMENSIONS

Length 3200 mm
Height 2200 mm
Width 1800 mm



FEATURES

Standard functions
Single hydraulic circuit with negative braking system
Remote control with console 5 m cable
- 1 set of hydraulic quick-release couplings for the drive adapted to the hydraulic stand or one set of rope reels
- Adherence winches with replaceable nylon inserts
- Independent mechanical stabilisers
- Rigid axle with tyres for towing up to 30 km / h
- Balanced top anchor point for lifting and securing

ADDITIONAL EQUIPMENT - OPTIONS

04-PT Radio control panel
07-PT Hydraulic connection for hydraulic press 08-PT Hydraulic line/line stop clamp
18-PT Preparation for more connections
20-PT Pre-heating at -30 degrees
37-PT GPS module with GPS geolocation
05-PT Additional hydraulic power take-off on brake circuit



FAD155.11 Digital hydraulic tensioner-puller 50 kN capacity for single conductor and OPGW cable stringing operations.



BRAKING PARAMETERS

Maximum load 50 kN
Maximum speed 5.0 km/h

PARAMETERS

Winches 1500 mm
Pulling capacity 50 kN at 1.0 km/h
Maximum cable diameter 40 mm Weight
2900 kg

ENGINE

Diesel engine (36.5 hp) 27 kW
Cooling: liquid
Emission standard - (EU)2016/1628 Stage

DIMENSIONS

Length 3200 mm
Height 2200 mm
Width 1800 mm



FEATURES

Standard functions
Single hydraulic circuit with negative braking system
Control panel equipped with a 7" LCD touchscreen display, which includes: maximum pulling force setting and instant indication, counter, speed indicator and hours worked.
USB output for data download
Remote control with console 5 m cable
- 1 set of hydraulic quick-release couplings for the drive adapted to the hydraulic stand or one set of rope reels
- Adherence winches with replaceable nylon inserts
- Independent mechanical stabilisers
- Rigid axle with tyres for towing up to 30 km / h
- Balanced top anchor point for lifting and securing

ADDITIONAL EQUIPMENT - OPTIONS

04-PT Radio control panel
07-PT Hydraulic connection for hydraulic press
08-PT Hydraulic line/line stop clamp
18-PT Preparation for more connections
20-PT Pre-heating at -30 degrees
37-PT GPS module with GPS geolocation
05-PT Additional hydraulic power take-off on brake circuit



FA156.12 Hydraulic tensioner-puller 70 kN capacity for single conductor and OPGW cable stringing operations.



BRAKING PARAMETERS

Maximum load 70 kN
Maximum speed 5.0 km/h

PARAMETERS

Winches 1500 mm
Pulling capacity 70 kN at 0.8 km/h Maximum

ENGINE

Diesel engine (36.5 hp) 27 kW
Cooling: liquid

DIMENSIONS

Length 3200 mm
Height 2500 mm
Width 2100 mm

FEATURES

Standard functions
Single hydraulic circuit with negative braking system
- Dynamometer for direct reading of pull-in value with load limiting device (pull-in mode)
- metre counter
- 1 set of hydraulic drive couplings suitable for two hydraulic stands or one cable reel
- Adherence rollers with replaceable nylon inserts
- Gearbox (two speeds)
- Independent mechanical stabilisers
- Rigid axle with tyres for towing up to 30 km / h
- Balanced top anchor point for lifting and securing

ADDITIONAL EQUIPMENT - OPTIONS

01-PT Adaptation for digital data recorder, counter and speedometer
07-PT Hydraulic press connection
08-PT Hydraulic line/conduit stop clamp
14-PT Steel rollers - thermally treated
18-PT Preparation for more connections
20-PT Pre-heating at -30 degrees





FA1510.12 Hydraulic tensioner-puller 100 kN capacity for single/double conductors and OPGW cable stringing operations.



BRAKING PARAMETERS

Maximum load 100 kN
Maximum speed 5.0 km/h

PARAMETERS

Winches 1500 mm
Pulling capacity 100 kN at 0.6km/h

Diesel engine (36.5 hp) 27 kW Cooling:
Emission standard - (EU)2016/1628 Stage V

DIMENSIONS

Length 3350 mm
Height 2350 mm
Width 2100 mm

FEATURES

Standard functions
Single hydraulic circuit with negative braking system
- Dynamometer for direct reading of pull-in value with load limiting device (pull-in mode)
- metre counter
- 1 set of hydraulic drive couplings suitable for two hydraulic stands or one cable reel
- Adherence rollers with replaceable nylon inserts
- Gearbox (two speeds)
- Independent mechanical stabilisers
- Rigid axle with tyres for towing up to 30 km / h
- Balanced top anchor point for lifting and securing

ADDITIONAL EQUIPMENT - OPTIONS

01-PT Adaptation for digital data recorder, counter and speedometer
07-PT Hydraulic connection under hydraulic press
08-PT Hydraulic line/conduit stop clamp
14-PT Steel rollers - thermally treated
18-PT Preparation for more connections
20-PT Pre-heating at -30 degrees





FA155.22 Hydraulic tensioner-puller with two independent hydraulic circuits, 2x50 kN or 1x100 kN capacity for stringing of up to 2 bundled conductors as well as OPGW cable.



BRAKING PARAMETERS

Maximum load 2x50 kN 1x100 kN
Maximum speed 5.0 km/h

PARAMETERS

Winches 1500 mm
Pulling capacity 2x50 , 1x100 kN at 1.1 km/h
Maximum cable diameter 40 mm
Weight 7700 kg

ENGINE

Diesel engine (73 hp) 54 kW Cooling:
liquid
Emission standard - (EU)2016/1628 Stage V

DIMENSIONS

Length 4400 mm
Height 2350 mm
Width 2400 mm



FEATURES

Standard functions
Two hydraulic circuits with negative braking system
Remote control with console 5 m cable
- 2 sets of hydraulic quick-release couplings for the drive, suitable for two hydraulic stands or one cable reel
- Adherence winches with replaceable nylon inserts
- Gearbox (two speeds) per circuit
- Hydraulic stabilisers
- Rigid axle with tyres for towing up to 30 km / h
- Balanced upper anchor point for lifting and securing

ADDITIONAL EQUIPMENT - OPTIONS

04-PT Radio control panel
07-PT Hydraulic connection for hydraulic press
08-PT Hydraulic line/line stop clamp
18-PT Preparation for more connections
20- PT Pre-heating at -30 degrees
05-PT Additional hydraulic PTO on winch circuit
21- PT Additional gearbox
37-PT GPS geolocation module



FAD155.22 Hydraulic tensioner-puller with two independent hydraulic circuits, 2x50 kN or 1x100 kN capacity for stringing of up to 2 bundled conductors as well as OPGW cable.



BRAKING PARAMETERS

Maximum load 2x50 kN 1x100 kN
Maximum speed 5.0 km/h

PARAMETERS

Winches 1500 mm
Pulling capacity 2x50 , 1x100 kN at 1.1 km/h
Maximum cable diameter 40 mm
Weight 6900 kg

ENGINE

Diesel engine (73 hp) 54 kW
Cooling : Fluid
Emission standard - (EU)2016/1628 Stage V

DIMENSIONS

Length 4350 mm
Height 2350 mm
Width 2320 mm



FEATURES

Standard functions

Two hydraulic circuits with negative braking system
Control panel with 7" LCD touchscreen display which includes: maximum pulling force setting and instant indication, counter, speed indicator and hours worked .
USB output for downloading data Remote control with console 5 m cable
- 2 sets of hydraulic quick-release couplings for the drive, suitable for two hydraulic stands or one cable reel
- Adherence winches with replaceable nylon inserts
- Gearbox (two speeds) per circuit
- Hydraulic stabilisers
- Rigid axle with tyres for towing up to 30 km / h
- Balanced top anchor point for lifting and securing

ADDITIONAL EQUIPMENT - OPTIONS

04-PT Radio control panel
07-PT Hydraulic connection for hydraulic press
08-PT Hydraulic line/line stop clamp
18-PT Preparation for more connections
20- PT Pre-heating at -30 degrees
05-PT Additional hydraulic PTO on winch circuit
21- PT Additional gearbox
37-PT GPS geolocation module



AF062.11 Hydraulic puller-tensioner 25 kN capacity for single conductor stringing operations



RETRACTION AND BRAKING PARAMETERS

Maximum retraction and braking load 25 kN
Maximum retraction and braking speed 3.2 km/h
Retraction speed at max load 1.2 km/h
Load at max speed 20 kN
660 mm winches

PARAMETERS

Maximum cable diameter 23 mm
Maximum pilot cable diameter 18 mm
Weight 1400 kg

ENGINE

Diesel engine (25 hp) 19 kW
Cooling : liquid
Emission standard - (EU)2016/1628 Stage V

DIMENSIONS

Length 2450 mm
Height 1500 mm
Width 1500 mm



FEATURES

Standard functions
Single hydraulic circuit with negative braking system
- Dynamometer for direct reading of pull-in value with load limiting device (pull-in mode)
- metre counter
- 2 sets of hydraulic quick-release couplings for the drive, suitable for two hydraulic stands or one cable reel
- Gearbox (two speeds)
- Independent mechanical stabilisers
- Rigid axle with tyres for towing up to 30 km / h
- Balanced top anchor point for lifting and securing

ADDITIONAL EQUIPMENT - OPTIONS

01- PT Adaptation for digital data logger, counter and speedometer
04-PT Wireless control panel
03- PT Wired remote control
08-PT Hydraulic line/duct stop clamp
20-PT Pre-heater by -30 degrees
02- PT Dynamic pulling force control



AF152.11 Hydraulic puller-tensioner 25 kN capacity for single conductor and OPGW cable stringing operations



RETRACTION AND BRAKING PARAMETERS

Maximum retraction and braking load 25 kN
Maximum retraction and braking speed 5 km/h
Retraction speed at max load 2 km/h
Load at max speed 18 kN

PARAMETERS

Winches 1500 mm
Maximum cable diameter 40 mm
Maximum pilot cable diameter 18 mm
Weight 2850 kg

ENGINE

Diesel engine (36.5 hp) 27 kW Cooling:
liquid

DIMENSIONS

Length 3200 mm
Height 2200 mm
Width 1800 mm

FEATURES

Standard functions
Single hydraulic circuit with negative braking system
- Dynamometer for direct reading of pull-in value with load limiting device (pull-in mode)
- metre counter
- 2 sets of hydraulic quick-release couplings for the drive, suitable for two hydraulic stands or one cable reel
- Gearbox (two speeds)
- Independent mechanical stabilisers
- Rigid axle with tyres for towing up to 30 km / h
- Balanced top anchor point for lifting and securing

ADDITIONAL EQUIPMENT - OPTIONS

01- PT Adaptation for digital data logger, counter and speedometer
04-PT Wireless control panel
03-PT Wired remote control
08-PT Hydraulic line/duct stop clamp
20-PT Pre-heater by -30 degrees
02- PT Dynamic pulling force control





AF155.11 Hydraulic puller-tensioner 50 kN capacity for single conductor and OPGW cable stringing operations



RETRACTION AND BRAKING PARAMETERS

Maximum retraction and braking load 50 kN
Maximum retraction and braking speed 5.0 km/h
Retraction speed at max load 2.1 km/h
Load at max speed 23 kN

PARAMETERS

Winches 1500 mm
Maximum cable diameter 40 mm
Maximum pilot cable diameter 18 mm
Weight 3600 kg

ENGINE

Diesel engine (73 hp) 54 kW
Cooling: liquid
Emission standard - (EU)2016/1628 Stage V

DIMENSIONS

Length 3200 mm
Height 2500 mm
Width 2100 mm



FEATURES

Standard functions
Single hydraulic circuit with negative braking system
- Dynamometer for direct reading of pull-in value with load limiting device (pull-in mode)
- metre counter
- 2 sets of hydraulic quick-release couplings for the drive, suitable for two hydraulic stands or one cable reel
- Gearbox (two speeds)
- Independent mechanical stabilisers
- Rigid axle with tyres for towing up to 30 km / h
- Balanced top anchor point for lifting and securing

ADDITIONAL EQUIPMENT - OPTIONS

04- PT Wireless control panel
07-PT Hydraulic connection under hydraulic press
08-PT Hydraulic line/conduit stop clamp
15-PT Adherence rollers with replaceable inserts nylon
18-PT Preparation for more connections
20-PT Pre-heating at -30 degrees
02-PT Dynamic pulling force control
05- PT Additional hydraulic PTO on winder circuit
37-PT GSM with GPS geolocation
32-PT Rear hydraulic stabilisers



AF156.12 Hydraulic puller-tensioner 70 kN capacity for single/double conductors and OPGW cable stringing operations



RETRACTION AND BRAKING PARAMETERS

Maximum retraction and braking load 70 kN Maximum retraction and braking speed 5.0 km/h Retraction speed at max load 1.9 km/h Load at max speed 26 kN

PARAMETERS

Winches 1500 mm
Maximum cable diameter 40 mm Maximum pilot cable diameter 18 mm Weight 4400 kg

ENGINE

Diesel engine (85 hp) 63 kW Cooling: liquid
Start - electric

DIMENSIONS

Length 3200 mm
Height 2500 mm
Width 2100 mm



FEATURES

Standard functions
Single hydraulic circuit with negative braking system
- Dynamometer for direct reading of pull-in value with load limiting device (pull-in mode)
- metre counter
- 2 sets of hydraulic quick-release couplings for the drive, suitable for two hydraulic stands or one cable reel
- Gearbox (two speeds)
- Independent mechanical stabilisers
- Rigid axle with tyres for towing up to 30 km / h
- Balanced top anchor point for lifting and securing

ADDITIONAL EQUIPMENT - OPTIONS

01-PT Adaptation for digital data logger, counter and speedometer
04-PT Wireless control panel
07-PT Hydraulic connection under hydraulic press 08-PT Hydraulic line/conduit stop clamp 15-PT Adherence rollers with replaceable inserts nylon
18-PT Preparation for more connections 20-PT Pre-heating at -30 degrees
02- PT Dynamic pulling force control
05-PT Additional hydraulic PTO on winder circuit



AF158.12 Hydraulic puller-tensioner 90 kN capacity for single/double conductors and OPGW cable stringing operations



RETRACTION AND BRAKING PARAMETERS

Maximum retraction and braking load 90 kN
Maximum retraction and braking speed 5.0 km/h
Retraction speed at max load 2.2 km/h
Load at max speed 40 kN

PARAMETERS

Winches 1500 mm
Maximum cable diameter 40 mm
Maximum pilot cable diameter 24 mm
Weight 5000 kg

ENGINE

Diesel engine (125 hp) 93kW
Cooling : liquid
Start - electric

DIMENSIONS

Length 3250 mm
Height 2600 mm
Width 2100 mm



FEATURES

Standard functions
Single hydraulic circuit with negative braking system
- Dynamometer for direct reading of pull-in value with load limiting device (pull-in mode)
- metre counter
- 2 sets of hydraulic quick-release couplings for the drive, suitable for two hydraulic stands or one cable reel
- Gearbox (two speeds)
- Independent mechanical stabilisers
- Rigid axle with tyres for towing up to 30 km / h
- Balanced top anchor point for lifting and securing

ADDITIONAL EQUIPMENT - OPTIONS

01-PT Adaptation for digital data logger, counter and speedometer
04-PT Wireless control panel
07-PT Hydraulic connection under hydraulic press
08-PT Hydraulic line/conduit stop clamp
15-PT Adherence rollers with replaceable inserts nylon
18-PT Preparation for more connections
20-PT Pre-heating at -30 degrees
02- PT Dynamic pulling force control
05-PT Additional hydraulic PTO on winder circuit



R4 Hydraulic pilot line reel kit



Key features:

- Automatic bobbin winder with folding arm and bobbin line guide unit.
- Suitable for wire rope diameters from 8 to 24 mm and steel reels with diameters of 1100 mm and 1400 mm.
- Hydraulically controlled lift arm and stabilisers.

Safety note:

- The automatic negative brake is activated each time the control lever at the brake/carriage is released .
- Hydraulic motor with fast power-on
- Idle position for drum rotation and manual adjustment of the rope guide assembly on the spool
- Standard connection hose set, length 10 m (other lengths on request)
- Folding arm, wheels with extendable axle and tow bar for easy transport.
- Upper attachment point for lifting and anchoring
- Weight: 300 kg.
- Overall dimensions: 760 x 1350 x 1480 mm
- Maximum torque: 100 daN m
- Operating pressure: 150 bar
- Maximum load capacity: 2000 kg

Suitable for connection to any T.E.M.A. model brake/ winch , winch/brake



041 Hydraulic drum/pulley lifter special version



- Load on request
- Variable width frame
- Hydraulic drive
- Version with "built-in" conical spool available

NOTE: When you place your order, please provide us with the drum specifications.

