KATIMEX®
CABLING ENABLED

Cable Pulling Systems

- Polykat®
- Kati® Blitz Mini
- Kati® Blitz Compact 2.0
- Kati® Blitz Compact
- Kati® Blitz Locating 2.0
- Push Rods
- Kati® Twist 2.0
- Kati® Twist
- Cablemax
- Mini-Max
- Cablejet®
- Pipe Eel
- Glit®
- Cable Guide Heads
- Duct Puller

KATIMEX®
CABLING ENABLED

Polykat®

the unique fibreglass profile

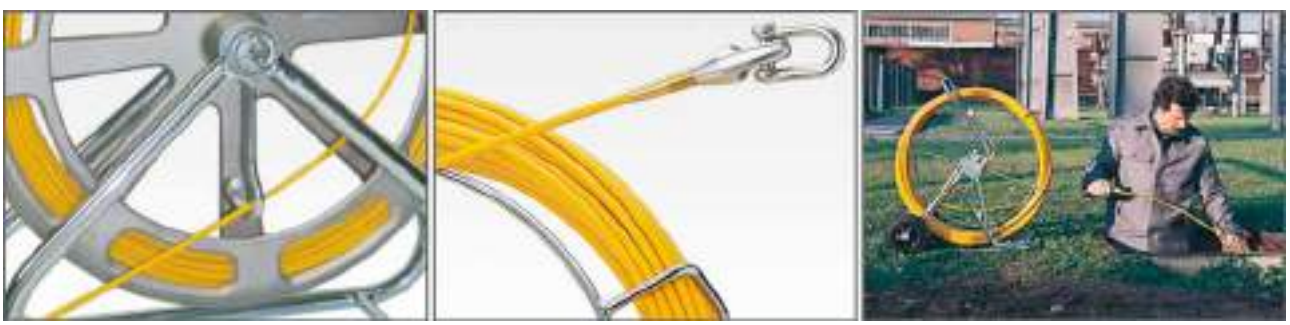
the basic element in all KATIMEX® cable pulling systems

Polykat® fibreglass profiles are the basic elements in all KATIMEX® cable pulling systems.

The **excellent quality** and **versatility** of Polykat® stem from its unique technological design.
Polykat® **contains up to 40 % more of glass fibre than conventionell fibreglass duct rodders**.
Its particular production technology and special construction enable the combination of these two basically contrary features which are essential for this application.

The more fiberglass of the rod contains, the higher is its stability under shear stress.
Polykat® fibreglass profiles therefore contain a particularly large proportion of **high quality glass fibre, of 80 %.**

Cable pulling is simple, quick and precise. The difficulties associated with inserting traditional steel and plastic rods are now once and for all a thing of the past.



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www.katimex.com

04-2017

KATIMEX®
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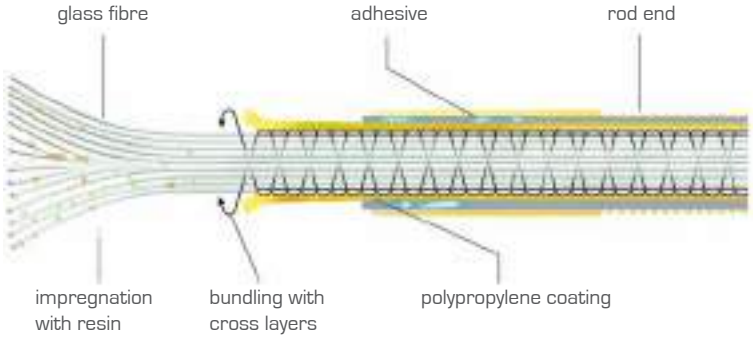
Product Information

Polykat®

Technical Information:

All fibres are embedded together in elastic polyester resin and cross wrapped to form a compact bound core. This forms a wavy, highly resinous outer layer, which takes up the surface tension produced when the rod is bent. This makes a very small radius of curvature possible so that tight bends are easily passed through.



Polykat® fibreglass profiles are basic elements in all KATIMEX® Cable pulling systems

domestic installation | underfloor installations | street lighting & signaling systems | underground cabling

Polykat® fibreglass profile

Polykat® fibreglass profile
fibreglass core, polypropylene coating

sold by metre

rod-Ø*	fibreglass core-Ø	breaking load	art.-no.
3.0 mm	2.1 mm	5.0 kN	101115
4.5 mm	3.0 mm	10.3 kN	102013
7.2 mm	5.0 mm	28.0 kN	103195
9.0 mm	6.2 mm	40.0 kN	103198
11.0 mm	7.7 mm	65.0 kN	103199

* further rod-Ø on request

Polykat® fibreglass profile

Polykat® fibreglass profile
fibreglass core, integrated copper wires, polypropylene coating

sold by metre

rod-Ø*	fibreglass core-Ø	Cu-wires	breaking load	art.-no.
3.0 mm	2.2 mm	2 x Cu	5.0 kN	101114
4.5 mm	3.0 mm	3 x Cu	10.3 kN	102014
7.4 mm	5.0 mm	6 x Cu	26.0 kN	103192
9.0 mm	6.2 mm	8 x Cu	40.0 kN	103197
11.0 mm	7.7 mm	6 x Cu	65.0 kN	103187

* further rod-Ø on request

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KATIMEX®
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KATI® BLITZ MINI

the revolutionary solution for inhouse installation

Optic Fibre-Glass Installation in Buildings

The **KATI® BLITZ MINI** was specifically developed for the installation of subsequent fibre-optic cables in existing as well as occupied tubes.

Where conventional pulling tools are not sufficient anymore, the **KATI® BLITZ MINI** shows its unique possibilities with its 1.2 mm diameter fibreglass profile. Especially the installation of fibre-optic cables in an already existing infrastructure is easier and sometimes even at all possible with the KBM, which makes it the ideal support for the pulling of fibre-optic cables in buildings.

The Polykat® Mini combines high rod rigidity and pushing stability with a very small diameter. With a very small bending radius of 15mm it was specifically developed to run through extremely narrow curves.

The combination of Flexi Sonde Mini and low-friction insertion tube enables a quick and easy cable installation. The Flexi Sonde Mini has a special contour that passes narrow sections and curves easily. The low-friction insertion tube leads the rod and protects it form breakages when pulling back.

Product benefits at a glance:

- Flexi-Sonde Mini: special contour to pass narrow sections and curves
- Rotatable cassette: By spinning the cassette the rod can be pushed easily into conduits
- Axle bearing of the cassette: the high reset force supports the automatic unwinding of the rod.
- Insertion tube: protects and guides the fibreglass while pushing in and prevents it from breaking when pulling back.
- Handling frame with rod-stop: prevents the automatic unwinding of the rod when not in use.

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KATIMEX®
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Product Information

KATI® BLITZ MINI

Technical Data:

The Polykat® Mini fibreglass profile, as well as the spare rods pre-spooled into a cassette are available in 15, 25 and 35 meter versions. Therefore the cassette can be exchanged quick and easy. The rod runs automatically out of the cassette and supports the pushing of the rod. Due to this the physical effort will be minimized.

Rod diameter [mm]	1,2
Proven strength connection Rod/Rod end [kN]	> 0,35
Proven strength of Flexi Sonde Mini [kN]	> 0,25
Minimum bending radius [mm]	15
Breaking strain [kN]	1,3

Kati® Blitz Mini

Polykat® Mini fibreglass profile **Ø 1,2 mm** rod ends at both ends of the rods.

Accessories included

Accessories included

- 5 Flexi Sonds Mini
- 7 Rod ends Mini
- 1 Tape
- 1 Guiding hose 2,5 m with bush
- 1 Abrasive pad 50 x 50 mm
- 1 Special adhesive 3 g

Kati® Blitz Mini spare rod

Polykat® Mini fibreglass profile Ø 1,2 mm with 2 rod ends and one Flexi Sonde Mini, spooled in a rotating cassette

In a single box: dimensions 124 mm x 120 mm x 31 mm

www.katimex.com

rod length	weight	art.-no.
15 m	0,15 g	101515
25 m	0,18 g	101525
35 m	0,20 g	101535

Our recommendation:

Glit® lubricant

different types for a hughe range of applications

- reduces friction during cable pulling up to 90 %
- for all kinds of pulling rods and cables
- Pulling rods can be slid through ducts much more easily with a small amount of Glit® applied to the rod and guide head
- silicone-free, non-flammable, skin-friendly

Scan the QR code and watch the How-To video for the KATI® BLITZ MINI!

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Accessories KATI® BLITZ MINI

Accessories-Set

Accessories-Set
5 Flexi-Sondes Mini, 5 Rod ends Mini, 1 special adhesive 3 g,
1 abrasive pad 50 x 50 mm, 1 guiding hose 2,5 m, 1 tape 15 mm

PU = 1 Set in plastic bag

PU	weight	art.-no.
1	83 g	101271

Service-Set

Service-Set
10 Rod ends Mini, 1 special adhesive 3 g, 1 abrasive pad 50 x 50 mm,
1 tape 15 mm

PU = 1 Set in a plastic bag

PU	weight	art.-no.
1	51 g	101270

Flexi-Sonde Set

Flexi-Sonde Set
with internal threat M 2,5

PU = 5 pieces in a blister

PU	weight	art.-no.
1	16 g	101275

Rod end Set

Rod end Set
brass, with external threat M 2,5

PU = 5 pieces in a blister

PU	weight	art.-no.
1	2 g	101277

Guiding hose

Guiding hose
low-friction hose with adjustment bush, fitted at the hose

PU = 1 piece in a plastic bag

PU	weight	art.-no.
1	83 g	101276

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KATIMEX®
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Kati® Blitz Compact 2.0

The future of pulling systems

New design -
extended function

Katimex sets new standards in pulling devices by introducing the **Kati® Blitz Compact 2.0** to the market.

Katimex professionals and electricians further developed the well-known devices Kati® Blitz Compact, Locating and Vario and thoroughly tested and examined the new device.

Kati® Blitz Compact 2.0 is the ideal tool for professionals. It is characterized by its **improved, ergonomic design**, user-friendly handling and practice-approved functions. The **handy crank** for the 20 and 30 m version makes the winding of the Polykat® fibreglass very easy.

The combination of both Flexi-Sonde 2.0 and Rod End 2.0 enables a very narrow **bending radius of just 30 mm.** The rod guide is reinforced with fibreglass that makes it extremely wear-resistant. The specific return stop protects the rod from gliding into the box accidentally while winding.

A service box **with lots of accessories** and the reliable high Katimex quality accomplish the Kati® Blitz compact 2.0 and make it an indispensable tool for electrical engineers.

All existing accessories of the Kati® Blitz product range are compatible with the Kati® Blitz compact 2.0.

Watch our
product video:

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Kati® Blitz Compact 2.0

Technical Information:

The **Kati® Blitz Compact 2.0** has a handy crank in the 20 und 30 meter version for winding the rod quickly into the casing. The rod can be pulled out of the casing easily by hand. The 50 m version has **no** crank.

rod diameter (mm)	3,0
tensile strength of connection rod/rod end (kN)	1,0
minimum radius of curvature (mm)	30
breaking strength of rod (kN)	5,0

rod length	weight	art.-no.
20 m	1,1 kg	101620
30 m	1,2 kg	101630
50 m	1,4 kg	101650

Kati® Blitz is available in different versions

Kati® Blitz Compact 2.0

Polykat® fibreglass profile
Ø 3,0 mm

Rod End 2.0 at both ends

Integrated accessories box with lift-up lid

Accessories included

Locating

Kati® Blitz

is also available as locating device

Further information can be found in our catalogue **Locating Devices** or at:

www.katimex.com

Kati® Blitz spare rod

Polykat® fibreglass profile Ø 3 mm with 2 rod ends 2.0, external M5 thread, 1 flexible guide head Ø 7 mm, 1 pulling eye

www.katimex.com

Accessories supplied:

- 5 pulling eyes Ø 6 mm, brass with M5 thread
- 1 cable grip with integral swivel for Ø 6-9 mm cables
- 2 Rod Ends 2.0 with external M5 thread
- 3 splices, brass
- 1 special adhesive (3g)
- 1 Flexi-Sonde 2.0 Ø 7 mm
- 1 Flexi-Sonde 2.0 Ø 10 mm

The accessories are compatible with all products of the Kati® Blitz- and Cabelmax-range as well as with the Push Rods Profi-Set.

Find all accessories in the Product Overview
Accessories for Kati® Blitz

Kati® Blitz spare rod **Ø 3 mm**

rod length	weight	art.-no.
20 m	300 g	101320
30 m	400 g	101330
50 m	600 g	101350

Our recommendation:

Glit® Lubricant

IMPROVED FORMULA

different formulations available designed to match the type of application

- reduces friction during cable pulling up to 90 %
- for all kinds of pulling rods and cables
- put it on the cable sheathing while pulling the cable in
- silicone-free, non-flammable, skin-friendly
- put it in the guide head already before you insert the Polykat® in the conduit

art.-no. 101370

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KATIMEX®
CABLING ENABLED

Kati® Blitz

cable pulling device for domestic installation

unbeatable in design and use

The **Kati® Blitz** was the first device of its kind in the world. It is perfectly designed to pull cables into conduits even under the most difficult conditions.

Kati® Blitz compact easily gets through long winding tracks and in pipe systems where cables have previously been laid. It still works where other pulling devices have already failed.

Since its introduction **Kati® Blitz** has proved its worth in daily use with hundred thousands of electricians around the world.

The cobination of a functional box and our unique **Polykat® fibreglass profile** allows to wind the rod in and out quickly without knotting or loops forming.
Threaded rod ends are attached at both ends of the rod, to which cable grips, pulling eyes or guide heads can be attached simply.

Now with Rod End 2.0

Watch our product video:

The **Rod End 2.0** improves the bending of the **Polykat® fibreglass profile** at the interface between rod and rodend. It does not only minimize the danger of breaking the rod but does also allow a more narrow minimal bending radius of 30 mm.

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Product Information

Kati® Blitz

Technical Information:

The patented housing of **Kati® Blitz** provides a safe and easy storage of the fibreglass profile without rotating outside parts.
It is available with rod lengths of 20, 30 or 50 m.
The robust, solid housing has an accessories box with a lift-up lid.

rod diameters (mm)	3.0
tested tensile strength of connection rod/end (kN)	1.0
minimum rad. of curvature (mm)	50
breaking strain of rod (kN)	5.0

rod length	weight	art.-no.
20 m	1.08 kg	101820
30 m	1.18 kg	101830
50 m	1.37 kg	101850

Different types of **Kati® Blitz** are available

Kati® Blitz compact

Polykat® fibreglass profile Ø 3.0 mm

rod ends at both ends

integrated accessories box with lift-up lid

carrying grip

accessories included

Accessories supplied:

- 2 flexible guide heads Ø 7 mm & 10 mm
- 5 pulling eyes Ø 6 mm, brass with M5 thread
- 1 Kati® Grip Powerdisk
- 1 cable grip with integral swivel for Ø 6-9 mm cables
- 5 rod ends, brass with M5 thread
- 3 splices, brass
- 1 special adhesive (3 g)

find all accessories in the Product Overview **Accessories for Kati® Blitz**

Locating

Kati® Blitz

is also available as locating system

Find more information in our Catalogue under **Locating Systems** or at:

www.katimex.com

Spare rod for Kati® Blitz

2 rod ends 2.0, external M5 thread, inkl. 1 flexibel guide head Ø 7 mm, 1 pulling eye Ø 6 mm, brass with external thread M5

www.katimex.com

Spare rod for Kati® Blitz **Ø 3 mm**

rod length	weight	art.-no.
20 m	1.80 kg	101420
30 m	2.00 kg	101430
50 m	2.10 kg	101450

Our recommendation:

IMPROVED FORMULA

Glit® Lubricant

different formulations available designed to match the type of application

- reduces friction during cable pulling up to 90 %
- for all kinds of pulling rods and cables
- Pulling rods can be slid through ducts much more easily with a small amount of Glit® applied to the rod and guide head
- silicone-free, non-flammable, skin-friendly

Art.-Nr. 101370

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Accessories for Kati® Blitz

Kati® Blitz Pulling rod

Polykat® fibreglass profile Ø 3.0 mm
rod ends 2.0 at both ends, incl. 1 Ø 7 mm guide head and 1 pulling eye Ø 6 mm, brass with external thread M5

dimensions 245 mm x 245 mm x 45 mm

rod length	weight	art.-no.
20 m	300 g	101320
30 m	400 g	101330
50 m	600 g	101350

Pulling Rod Locating

Polykat® fibreglass Ø 3,0 mm with copper wire
rod ends 2.0 at both ends, incl. 1 Ø 7 mm guide head and 1 pulling eye Ø 6 mm, brass with external thread M5

dimensions 245 mm x 245 mm x 45 mm

rod length	weight	art.-no.
20 m	300 g	104320
30 m	400 g	104330
50 m	600 g	104350

Cable Grip

Cable Grip with integral swivel
high tensile galvanized steel strand, back woven, M5 threaded connection

max. permitted load with a safety factor of 1,5

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	working meshlength (mm)	weight (g)	art.-no.
4 - 6	2.0	1.3	100	5	108066
6 - 9	2.0	1.3	120	5	108060
9 - 12	2.0	1.3	180	10	108061
12 - 15	2.0	1.3	230	20	108062

Cable Grip

Cable Grip with integral pulling eye
high tensile galvanized steel strand, back woven, M5 threaded connection

max. permitted load with a safety factor of 1,5

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	working meshlength (mm)	weight (g)	art.-no.
4 - 6	2.0	1.3	100	5	108076
6 - 9	2.0	1.3	120	5	108070
9 - 12	2.0	1.3	180	10	108071
12 - 15	2.0	1.3	230	20	108072
15 - 19	8.1	5.4	280	30	108063
19 - 25	11.7	7.8	290	45	108064
25 - 31	18.5	12.3	300	75	108065

Cable Grip

Cable Grip with one eye
high tensile galvanized steel strand, back woven

max. permitted load with a safety factor of 1,5

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	working meshlength (mm)	weight (g)	art.-no.
4 - 6	2.0	1.3	100	5	108181
6 - 9	2.0	1.3	120	5	108182
9 - 12	2.0	1.3	180	15	108183
12 - 15	2.0	1.3	230	25	108187
15 - 19	8.1	5.4	280	40	108184
19 - 25	11.7	7.8	290	60	108185
25 - 31	18.5	12.3	300	95	108186

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Accessories for Kati® Blitz

Rod End 2.0

Rod End 2.0 for fibreglass profile **Ø 3,0 mm**
Brass-rod end with a flexible plastic sheathing, external M5 thread

1 PU = 5 pieces in plastic bag

PU	weight	art.-no.
1	15 g	101047

Kati® Blitz Service set 2.0

Kati® Blitz Service set 2.0
3 rod ends 2.0, brass, external thread M%, 5 pulling eyes, 3 splices
1 special adhesive 3 g, repair instruction

	weight	art.-no.
in a plastic bag	45 g	101246

Kati® Blitz Service set

Kati® Blitz Service set
3 rod ends 2.0 with external thread, 5 pulling eyes, 3 splices
1 special adhesive 3 g, repair instruction

	weight	art.-no.
in a plastic bag	45 g	101245

Special adhesive

Special adhesive
for Polykat® fibreglass profile up to Ø 6 mm

low viscousity

content	weight	art.-no.
3 g	5 g	101027
20 g	30 g	103211

Flexi-Sonde 2.0

Flexi-Sonde 2.0
Flexi-Sonde 2.0, plastic, inner thread M5

1 PU = 3 pieces in a plastic bag

PU	diameter	weight	art.-no.
1	1 x 7 mm ,1 x 10 mm, 1 x 13 mm	60 g	101078
1	7 mm	30 g	101075
1	10 mm	50 g	101076
1	13 mm	60 g	101077

Flexible guide head set

Flexible guide heads
brass, with readjusting spring, internal thread M5

1 PU = 3 pieces in a plastic bag

PU	diameter	weight	art.-no.
1	7 mm	30 g	101033
1	10 mm	45 g	101034
1	13 mm	60 g	101035
1	Set, 7, 10, 13 mm	45 g	101042

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Accessories for Kati® Blitz

Splice

Splice for fibreglass profile Ø 3.0 mm
brass
1 PU = 10 pieces in a plastic bag

PU	weight	art.-no.
1	35 g	101015

Pulling eye

Pulling eye
brass, Ø 6 mm, internal M5 thread
1 PU = 10 pieces in a plastic bag

PU	weight	art.-no.
1	30 g	101017

Rod end

Rod end for fibreglass profile Ø 3.0 mm
brass, with external M5 thread
1 PU = 10 pieces in a plastic bag

PU	weight	art.-no.
1	30 g	101016

Easy Grip

Easy Grip
Manual advancing device consists of a high-tech, hard-wearing plastic.
The handy pulling device has an ergonomic shape.
Dimensions 126 mm x 53 mm x 40 mm

tensile load max.	weight	art.-no.
20 kg	90 g	101070

Kati® Grip Powerdisk

Kati® Grip Powerdisk
pulling rubber, for quick and easy pulling of fibreglass rod and cables up to Ø 6 mm

	weight	art.-no.
	50 g	101364

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Recommended extension

Driving unit

Driving unit for Kati® Blitz
with tongue / flexible tube for motor-driven
insertion of fibreglass profiles up to Ø 3 mm & 4,5 mm via drilling machine
- also available with optional length counter

Description	weight	art.-no.
Driving unit for Kati® Blitz	0.30 kg	101816
Driving unit with length counter	0.40 kg	101817

Glit®

Glit® Cable lubricant
new formula reduces friction during cable pulling up to 90 %

silicone-free, skin-friendly, non-flammable

content	packaging*	weight	art.-no.
200 ml	tube	0.24 kg	101370
1 L	bucket	1.20 kg	101373
5 L	bucket	5.30 kg	101374

* find more packaging sizes in our **Glit® Prospect** or at **www.katimex.com**

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Kati® Blitz Locating 2.0

The next generation of pulling systems with locating capacity

One device - two applications

The **Kati® Blitz Locating 2.0** is the successor of the established cable pulling and locating device Kati® Blitz 2in1. Equipped with an internal slip ring transformer and a high quality Polykat® fibreglass profile with integrated copper wires allows the installer to pull cable, to locate blockades and to follow the route of the pipe. Kati® Blitz Locating 2.0 can be used with all customary cable detectors.

Similar to the Kati® Blitz Compact 2.0 the Kati® Blitz Locating 2.0 has an **improved, ergonomic design** and a user friendly handling.

The **handy crank** of the 20 and 30 m version makes the winding of the Polykat® fibreglass profile very easy. Furthermore the combination of both Flexi-Sonde 2.0 and Rod End 2.0 enables a very narrow **bending radius of just 30 mm**.

The rod guide is reinforced with fibreglass that makes it extremely wear-resistant. The specific return stop protects the rod from gliding into the box accidentally while winding.

A service box **with lots of accessories** and the reliable high Katimex quality accomplish the Kati® Blitz Locating 2.0 and make it an indispensable tool for electrical engineers.

All existing accessories of the Kati® Blitz product range are compatible with the Kati® Blitz Locating 2.0.

Watch our how-to video:

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KATIMEX®
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Kati® Blitz Locating 2.0

Technical Information:

The **Kati® Blitz Locating 2.0** has a handy crank in the 20 und 30 meter version for winding the rod quickly into the casing. The rod can be pulled out easily by hand. The 50 m version has **no** crank.

rod diameter (mm)	3,0
tensile strength of connection rod/rod end (kN)	1,0
minimum radius of curvature (mm)	30
breaking strength of rod (kN)	5,0

rod length	weight	art.-no.
20 m	1,15 kg	104620
30 m	1,25 kg	104630
50 m	1,50 kg	104650

Kati® Blitz Locating 2.0 is available in different versions

1

Kati® Blitz Locating 2.0

Polykat® fibreglass profile
Ø 3,0 mm

Rod End 2.0 at both ends

Integrated accessories box with lift-up lid

Accessories included

2

Polykat® fibreglass profile

for Kati® Blitz Locating 2.0 assembled with Rod Ends 2.0 including a flexible guide head Ø 7 mm and a pulling eye

www.katimex.com

Cable detector

Kati® Blitz Locating 2.0 can be used with all customary cable detectors.

Accessories supplied:

- 5 pulling eyes Ø 6 mm, brass with M5 thread
- 1 cable grip with integral swivel for Ø 6-9 mm cables
- 2 Rod Ends 2.0 with external M5 thread
- 3 splices, brass
- 1 special adhesive (3g)
- 1 Flexi-Sonde 2.0 Ø 7 mm
- 1 Flexi-Sonde 2.0 Ø 10 mm

The accessories are compatible with all products of the Kati® Blitz- and Cabelmax-range as well as with the Push Rods Profi-Set.

find all accessories in the Product Overview
Accessories for Kati® Blitz

Spare rood for Kati® Blitz Locating 2.0

rod length	weight	art.-no.
20 m	300 g	104320
30 m	400 g	104330
50 m	600 g	104350

Our recommendation:

Glit® Lubricant

IMPROVED FORMULA

different formulations available designed to match the type of application

- reduces friction during cable pulling up to 90 %
- for all kinds of pulling rods and cables
- put it on the cable sheathing while pulling the cable in
- silicone-free, non-flammable, skin-friendly
- put it in the guide head already before you insert the Polykat® in the conduit

art.-no. 101370

KATIMEX Cielker GmbH · Bahnhofstr. 50 · 54584 Jünkerath
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KATIMEX®
CABLING ENABLED

Push Rods

The new push rod system made by KATIMEX® -
Pushes you to the solution!

quick - handy - perfect

KATIMEX® push rods are indispensable for a quick an easy cable installation where no empty conduits, cable duct or any other cable guiding exists.

The innovative gliding support does not only slide over obstacles – due to an integrated LED light it also illuminates the workspace. The handy and sturdy bag is comfortable and user friendly. It is easily attachable to every ladder – so the push rods are always within reach.

Because of the different diameters and bending radii the push rods are adaptable case of application. Cables and ropes can be as well pushed as pulled.

The abrasion-proof plastic sheathing ensures that the high quality fiberglass is not damaged in everyday work.

integrierbare LED-Leuchte

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Technical Information:

Das Schubstangen Profiset besteht aus 7 Schubstangen Ø 8 mm und 3 Schubstangen Ø 6 mm. Sie sind jeweils 1 m lang und lassen sich perfekt kombinieren und beliebig erweitern.

Typ	Gewicht	Art-Nr.
Profi-Set	1600 g	106270

Push Rods Profi-Set

contains 10 push rods.

Accessories supplied:

- 1 gliding support
- 1 LED-Light
- 1 hook
- 1 chain
- 1 super-Magnet
- 1 changer M6 to M5
- 1 guidinghead with ring
- 1 guidinghead
- 1 pulling eye
- 1 flex-rod (15 cm)

Many Accessories

Push rods extension-set „Profi“

	weight	art.-no.
3 rods Ø 6 mm/3 rods Ø 8 mm	1090 g	106271

Accessories-Set „Profi“

	weight	art.-no.
Gliding support, LED-light, hook, chain, super-magnet, guidinghead with ring, guidinghead without ring, pulling eye, flex-rod	250 g	106292

Service-Set „Profi“

	weight	art.-no.
2 x rod end Ø 8 mm with external thread M 6 2 x rod end Ø 8 mm with internal thread M 6 1 x rod end Ø 6 mm with external thread M 6 1 x rod end Ø 6 mm with internal thread M 6 1 x special adhesive for Polykat®, 20 g	100 g	106291

Further accesories can be found on
www.katimex.com

Cable Grip

Cable grip with integral pulling head
high tensile galvanised steel strand, back woven, M5 screw connection
Max. permitted load with a safety factor of 1.5

cabel-Ø (mm)	breaking-load (kN)	pulling-force (kN)	working mesh-length	weight (g)	art.-no.
4 - 6	2,0	1,3	100	5	108076
6 - 9	2,0	1,3	120	5	108070
9 - 12	2,0	1,3	180	10	108071
12 - 15	2,0	1,3	230	20	108072
15 - 19	8,1	5,4	280	30	108063
19 - 25	11,7	7,8	290	45	108064
25 - 31	18,5	12,3	300	75	108065

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KATIMEX®
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Kati® Twist 2.0

smoothly through
tubes and conduits

At a glance:

- ✔ **extra short rod end for passing extremely tight bending radii**
- ✔ **compatible with the complete range of accessories of the Kati® Blitz or Cablemax**
- ✔ **Time-saving winding and unwinding thanks to the crank function**
- ✔ **pull-in rods can be easily repaired by the user**
- ✔ **easy to use for right and left-handers**
- ✔ **integrated pulling grip in the handle**

With the new Kati® Twist 2.0 Katimex® closes the gap between Perlon rods and the high-quality Polykat® fibreglass profiles. Katimex® offers the perfect pulling system for any kind of tube or installation.

The modern design and impact-resistant plastic housing additionally offers the function of easy and quick winding. This also means great time saving for the user before or after pulling the cable and also reduces the risk of accidents which could occur due to unwinded rod on the floor.

Thanks to the M5 thread, the Kati Twist is compatible with the complete range of accessories of the Kati Blitz and Kabelmax. The extra short Rod End allows extremely thight bending radii. The 3-fold twisted Perlon rod has a high tensile strength. Tensile loads up to 130 kg (tape/rod end) are possible without any problems.

Like all Katimex® products, the twisted rod of the Kati® Twist 2.0 can also be repaired by the user.

Accessories supplied with Kati® Twist 2.0

- 1 Pulling Grip Kati® Twist 2.0
- 1 flexible guide head with pulling eye, thread M5, Ø 7 mm
- 1 pulling eye, brass with M5 thread, Ø 6 mm

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Kati® Twist 2.0

Technical informations

Thanks to the M5 thread, the Kati Twist is compatible with the complete range of accessories of the Kati Blitz and Kabelmax. The extra short Rod End allows extremely thight bending radii. The 3-fold twisted Perlon rod has a high tensile strength. Tensile loads up to 130 kg (tape/rod end) are possible without any problems. Like all Katimex® products, the twisted rod of the Kati® Twist 2.0 can also be repaired by the user.

rod-Ø	rod length	weight	art.no.
4,5 mm	20 m	1,5 kg	102520
4,5 mm	30 m	1,9 kg	102530

rod diameter [mm]	4,5
tube diameter [mm]	16 to 32
min. bending radius [mm]	100
breaking strain of rod [kN]	2,5
proved tensile strength of adhesive connection (belt/sleeve) [kN]	1,3

Pulling rod

Kati® Twist 2.0 spare rod

Twisted synthetic rod, Ø 4,5mm, pressed ferrule M6 Ø 8mm on both sides, 1 guide head Ø 7mm with pulling eye M5, 1 Pulling eye

rod-Ø	rod length	weight	art.no.
4,5 mm	20 m	0,4 kg	102521
4,5 mm	30 m	0,6 kg	102531

Guide Head

Flexible Guide Head

Thread M5, Ø 7 mm, brass

title	selling unit	art.no.
Flexible guide head with pulling eye	1 piece	101058

Accessories Set

Kati® Twist Accessories Set

2 rod ends, 1 pulling eye Ø 11 mm, 3 pulling eyes with M5 thread, 1 cable grip with swivel for Ø 6 - 9 mm cables, 1 flexible guide head Ø 10 mm

title	selling unit	art.no.
Accessories Set Ø 4,5 mm	1 SU = 1 set	101253

Service Set

Kati® Twist 2.0 Service Set

The service set for the Kati® Twist contains 3 Rod Ends 4,5 mm

title	selling unit	art.no.
Service Set Ø 4,5 mm	1 SU = 1 set	101250

Pulling Grip

Pulling Grip Kati® Twist 2.0

title	selling unit	art.no.
Pulling Grip for Kati® Twist 2.0	1 piece	101368

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KATIMEX®
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Kati® Twist

smoothly through tubes and conduits

robust and reliable

Katimex® cable pulling systems are made of the best technical components. Our new addition to the well-known and value proved Polykat® fibreglass profile is the Kati® Twist series. Katimex® provides the right pulling system solution for each conduit and any kind of cable laying challenges. The specific outside contour of the Kati® Twist spiral rod enables outstanding bending and gliding characteristics. The rod shows a significantly enhanced overall push and pull performance comparing to traditional Nylon or steel rods.

The Kati® Twist has a sturdy, galvanized steel tube frame that houses the steel winder for the twisted fibreglass profile. Like the Cablemax® the Kati® Twist possesses a fine adjustable brake to prevent the Kati® Twist profile from uncontrolled reeling under its own tension. Because of the M5 rod end all Cablemax® or Kati® Blitz accessories can be used with the Kati® Twist as well. Both ends of the rod got a short rod end that enables quick and simple passing throught tight bows.

The Kati® Twist rod impresses with excellent tensile strength. A tensile load up to 200 kg (rod/rod end) is possible. And, like all Katimex® products, the Kati® Twist rod can be repaired by the user.

Accessories supplied with Kati® Twist:

- 1 flexible guide head Ø 10 mm
- 1 pulling eye Ø 6 mm, brass with M5 thread
- 2 rod ends, brass with M5 thread

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Technical information



Kati® Twist

rod-Ø	rod length	weight	art.no.
4,5 mm red	25 m	2,3 kg	102541
5,2 mm yellow	20 m	2,3 kg	102550
5,2 mm yellow	40 m	2,5 kg	102551
6,0 mm black	40 m	2,6 kg	102560

rod diameter [mm]	4,5	5,2	6,0
breaking strain of rod [kN]	3,0	4,0	5,5
proved tensile strength of adhesive connection (belt/sleeve) [kN]	2,0	2,0	2,0

Accessories supplied: 1 flexible guide head Ø 10 mm
1 pulling eye Ø 6 mm, brass with M5 thread
2 rod ends, brass with M5 thread

Pulling rod

Pulling rod for Kati® Twist including

1 flexible guide head Ø 10 mm, 1 pulling eye Ø 6 mm, brass with M5 thread, 2 rod ends, brass, with M5 thread

rod-Ø	rod length	weight	art.no.
4,5 mm red	15 m	0,35 kg	102540
4,5 mm red	25 m	0,60 kg	102545
5,2 mm yellow	20 m	0,60 kg	102555
5,2 mm yellow	40 m	0,70 kg	102556
6,0 mm black	40 m	0,80 kg	102565

Accessories Set

Kati® Twist Accessories Set

2 rod ends, 1 pulling eye Ø 11 mm, 3 pulling eyes with M5 thread, 1 cable grip with swivel for Ø 6 - 9 mm cables, 1 flexible guide head Ø 10 mm

rod-Ø	weight	art.-no.
4,5 mm	45 g	101253
5,2 mm	45 g	101254
6,0 mm	45 g	101255

Service Set

Kati® Twist Service Set

The service set for the Kati® Twist contains 3 Rod Ends

rod-Ø	weight	art.-no.
4,5 mm	10 g	101250
5,2 mm	10 g	101251
6,0 mm	10 g	101252

Our recommendation:

Glit® Lubricant

Reduces friction during cable pulling up to 90 %. Glit® is the optimal lubricant for all common coating materials. New technologies allow the production of ecologically friendly greases, that meet the high demands when pulling cables. The use of Glit® is especially recommended when working over long distances, in heavily occupied ducts or under floor channels.

Art.-Nr. 101370

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KATIMEX®
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Cablemax

underfloor cable pulling system

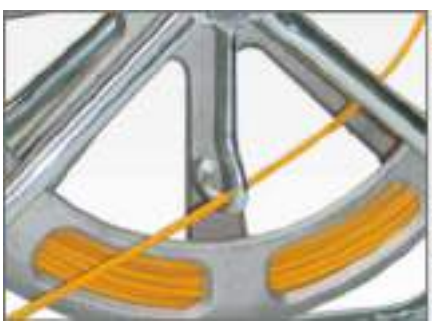
the expert for underfloor installations

The conduit snake **Cablemax** was specially developed for installations in offices, department stores and industrial buildings.

The unique **Polykat® fibreglass profile** combines the shear strength of a grid pole with the flexibility required in everyday practice. Up to 80 m fibreglass profile are stored in the devices aluminium cage on smallest spaces. A flexible special shaped guide head screwed onto the rod slides past all cables in the conduit without getting caught up.

Even heavy occupied underfloor systems can be passed through easily.
The universal screw connection allows the use of the same accessories as for the Kati® Blitz.
Guide heads and cable grips can be connected in variable configurations.

Due to the new **service bag** all the accessories are attached to the device and at the job site.



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01-2017

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Product Information

Cablemax

Technical Information:

The **Cablemax** has a **sturdy steel tube frame** in which the **aluminium storage basket** for the fibreglass profile is housed. Up to 80 m of rod can be stored here, saving a lot of space.
A light adjustable brake prevents the **Polykat® fibreglass profile** from reeling out of the basket under its own tension. Rod ends with M5 thread at both ends of the rod make it possible to work in both directions.
Guide heads and cable grips can be connected simply and quickly.

rod diameter (mm)	4.5
tested tensile strength of connection rod/end (kN)	1.5
minimum rad. of curvature (mm)	100
breaking strain of rod (kN)	10.3

Different types of **Cablemax** are available

1 & 2

Cablemax®
Polykat® fibreglass profile **Ø 4.5 mm**
rod ends at both ends
galvanized steel tube frame
aluminium storage basket

included / without accessories

Accessories supplied:

- 1 service bag
- 1 guide head with pulling eye Ø 11mm, brass with M5 thread
- 2 pulling eyes Ø 6 mm, brass with M5 thread
- 3 rod ends, brass with M5 thread
- 2 splices, brass
- 1 special adhesive (3 g)

optional*

Cablemax M10
fitted with rod end M10 (internal), suitable for locating sonde of Radiodetection Systems

without accessories

*available on request

locating

Cablemax
is also available as locating system

Find more information in our catalogue under **Locating Systems** or at:

www.katimex.de

1 accessories included

rod length	weight	art.-no.
40 m	6.0 kg	102044
60 m	6.4 kg	102046
80 m	7.0 kg	102048

2 without accessories

rod length	weight	art.-no.
40 m	6.0 kg	102024
60 m	6.4 kg	102026
80 m	7.0 kg	102028

find all accessories for this product
Overview **Accessories for Cablemax**

Our recommendation:

Glit® Lubricant

different formulations available designed to match the type of application

- reduces friction during cable pulling up to 90 %
- for all kinds of pulling rods and cables
- Pulling rods can be slid through ducts much more easily with a small amount of Glit® applied to the rod and guide head
- silicone-free, non-flammable, skin-friendly

art.-no. 101370

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Mini-Max

underfloor cable pulling system

MINImum of weight and size,
MAXImum of application comfort

Like its „big brother“ **Cablemax, Mini-Max** was specially developed for installations in offices, department stores and industrial buildings.

The tool´s stands out due to its **extreme light weight.** Furthermore it convinces of the cages small diameter of 30 cm and 5 cm width. Its **suitable mounted grip** gives an excellent handling and makes the device slightly wider. **The highlight:** Mini-Max can simply be fitted to a belt and **both hands will remain free!**

The unique **Polykat® fibreglass profile** combines the **shear strength of a grid pole** with the flexibility required in everyday practice. Up to 40 m fibreglass profile are stored in the devices cage on smallest space. A flexible special shaped guide head fitted to the front of the rod slides past all cables in the conduit without getting caught up.

Even heavy occupied underfloor systems can be passed through **easily.**
Guide heads and cable grips can be connected in variable configurations.

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Product Information

Mini-Max

Technical Information:

Mini-Max consists of a light, mobile cage with handle.
The integrated brake prevents the **Polykat® fibreglass rod** from reeling out of the basket under its own tension.

rod diameter (mm)	4.5
tested tensile strength of connection rod/end (kN)	1.5
minimum rad. of curvature (mm)	100
breaking strain of rod (kN)	10.3

Accessories supplied: 1 guide head with pulling eye, Ø 11 mm,
2 rod ends, installed

rod length	weight	art.-no.
40 m	1.4 kg	102940

Mini-Max - efficient, compact and manageable

The ideal tool for time saving laying of cables even under difficult conditions.

Find all accessories in the Product Overview Accessories for Cablemax or at **www.katimex.com**

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Accessories for Cablemax

Cablemax Pulling rod

Polykat® fibreglass profile Ø 4.5 mm
rod ends at both ends, incl. 1 guide head with pulling eye Ø 11 mm,
1 pulling eye M5 threaded.

dimensions 400 mm x 400 mm x 70 mm

rod length	weight	art.-no.
40 m	1.3 kg	102034
60 m	1.7 kg	102036
80 m	2.1 kg	102038

Cable Grip

Cable Grip with integral swivel
high tensile galvanized steel strand, back woven, M5 threaded connection

max. permitted load with a safety factor of 1.5

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	working meshlength (mm)	weight (g)	art.-no.
4 - 6	2.0	1.3	100	5	108066
6 - 9	2.0	1.3	120	5	108060
9 - 12	2.0	1.3	180	10	108061
12 - 15	2.0	1.3	230	20	108062

Cable Grip

Cable Grip with integral pulling eye
high tensile galvanized steel strand, back woven, M5 threaded connection

max. permitted load with a safety factor of 1.5

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	working meshlength (mm)	weight (g)	art.-no.
4 - 6	2.0	1.3	100	5	108076
6 - 9	2.0	1.3	120	5	108070
9 - 12	2.0	1.3	180	10	108071
12 - 15	2.0	1.3	230	20	108072
15 - 19	8.1	5.4	280	30	108063
19 - 25	11.7	7.8	290	45	108064
25 - 31	18.5	12.3	300	75	108065

Cable Grip

Cable Grip with one eye
high tensile galvanized steel strand, back woven

max. permitted load with a safety factor of 1.5

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	working meshlength (mm)	weight (g)	art.-no.
4 - 6	2.0	1.3	100	5	108181
6 - 9	2.0	1.3	120	5	108182
9 - 12	2.0	1.3	180	15	108183
12 - 15	2.0	1.3	230	25	108187
15 - 19	8.1	5.4	280	40	108184
19 - 25	11.7	7.8	290	60	108185
25 - 31	18.5	12.3	300	95	108186

Kati® Grip Powerdisk

Kati® Grip Powerdisk
pulling rubber, for quick and easy pulling of fibreglass profile and cables up to Ø 6 mm

weight	art.-no.
50 g	101364

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Accessories for Cablemax

Kati® Grip

Kati® Grip
patented, ergonomically styled pliers made of strong resilient plastic, reduces wear on the rod, for all pulling systems up to 4.5 mm rod diameter

dimensions 185 mm x 55 mm x 20 mm

	weight	art.-no.
	125 g	101369

Flexible guide head set

3 Flexible guide heads
brass, with readjusting spring, internal thread M5

1 VE = 3 pieces in a plastic bag

VE		weight	art.-no.
1	7 mm	30 g	101033
1	10 mm	45 g	101034
1	13 mm	60 g	101035
1	Set, 7, 10, 13 mm	45 g	101042

Cablemax Service bag

with Cablemax Service set
5 rod ends, 1 guide head with pulling eye, 3 splices
1 special adhesive 3 g, repair instruction

	weight	art.-no.
In a plastic bag	50 g	102086

Cablemax Service set

Cablemax Service set
5 rod ends, 1 guide head with pulling eye, 3 splices
1 special adhesive 3 g, repair instruction

	weight	art.-no.
In a plastic bag	50 g	102055

Guide head

Guide head with pulling eye
brass, internal thread M5

1 VE = 3 pieces in a plastic bag

diameter	weight	art.-no.
11 mm	45 g	102018

Pulling eye

Pulling eye
brass, internal thread M5

1 VE = 10 pieces in a plastic bag

diameter	weight	art.-no.
6 mm	30 g	101017

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Accessories for Cablemax

Rod end

Rod end for fibreglass profile Ø 4.5 mm
brass, external thread M5

1 VE = 10 pieces in a plastic bag

weight	art.-no.
30 g	102017

Splice

Splice for fibreglass profile Ø 4.5 mm
brass

1 VE = 10 pieces in a plastic bag

weight	art.-no.
50 g	102008

Special adhesive

Special adhesive
for Polykat® fibreglass profile up to Ø 6 mm

low viscousity

content	weight	art.-no.
3 g	5 g	101027
20 g	30 g	103211

Glit®

Glit® Cable lubricant
new formula reduces friction during cable pulling up to 90 %

silicone-free, skin-friendly, non-flammable

content	packaging*	weight	art.-no.
200 ml	tube	240 g	101370
1 L	bucket	1200 g	101373
5 L	bucket	5300 g	101374

* find more packaging sizes in our **Glit® Prospect** or at **www.katimex.com**

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Recommended extension

Driving unit

Driving unit Cablemax
with tongue / flexible tube for motor-driven
insertion of fibreglass profiles up to Ø 3 mm & 4.5 mm via drilling machine
- also available with optional length counter

description	weight	art.-no.
Driving unit for Cablemax	270 g	102021
Driving unit with length counter	360 g	102022

Length counter

Length measuring device for cablemax
for simple and quick measuring of ducts. No inefficient marking, pacing out or measuring is required and accurate results are achieved using the length counter.
Abmessung 100 mm x 50 mm x 160 mm

Description	Weight	art.-no.
Length measuring device for cabelmax	300 g	102020

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Cablejet

variable cable pulling system

light, handy & compact

Within the **KATIMEX® product range**, the **innovative Cablejet** lies between the popular **Cablemax** and **Pipe Eel** products.

For many years the Cablejet has been used extensively by **electrical construction companies**, **cable laying specialists and power supply contractors**. The Cablejet has been used for news network cabling, **street lighting** and **signaling systems** and civil engineering projects where power cables are laid.

The **Polykat® fibreglass profile with Ø 7,2 mm** provides **high push force stability** and **flexibility**.

One **special model** is suitable for the **location in non-conducting pipes**.

With its **folding frame**, the **Cablejet** is surprisingly compact and it can be fitted comfortably into a car for transportation. This **compact design** also means that when storing the cablejet **valuable space can be saved**.
The **robust and sturdy design** ensures that the Cablejet is ideal for working on site, the **stable, corrosion proof steel construction** and **large footprint** ensures that the Cablejet can be used safely and efficiently in such working conditions.

Due to the new **service bag** all the accessories are attached to the device and at the job site.

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Product Information

Cablejet

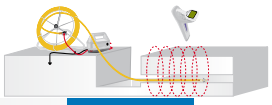
Technical Information:

The **Cablejet** is made with a corrosion-proof steel tube construction.
The basket has a special store and bearings and can hold up to 120 m of **Polykat® fibreglass profile**.
An integral brake ensures that the Polykat® fibreglass profile reels out of the basket as desired. Glued and bolted rod ends with a **M12 thread** at both ends of the rod make it possible to **work in both directions** so that guide heads, cable grips or special accessories such as detection devices can be screwed on easily and in variable configurations.

KATIMEX® offers a wide range of additonal accessories designed to match the type of special working conditions.

rod diameter (mm)	7.2
tested tensile strength of connection rod/end (kN)	7.5
minimum rad. of curvature (mm)	190
breaking strain of rod (kN)	28.0

Different types of **Cablejet** are available



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Cablejet
Polykat® fibreglass profile **Ø 7,2mm**
rod ends at both ends
folding frame, galavanized steel tube construction
integrated brake
integrated rod guiding device

accessories included

optional*

Cablejet M10
fitted with rod end M10 (internal), suitable for locating sonde of Radiodetection Systems

without accessories

*see recommended extension

locating

Cablejet
is also available as locating system

Find more information in our catalogue under **Locating Systems** or at:

www.katimex.com

Accessories supplied:

- 1 service bag
- 1 guide head with pulling eye Ø 25 mm, aluminium
- 1 shackle, bolt-Ø 10 mm
- 2 rod ends
- 1 splice
- 4 dowel pins
- 1 special adhesive (20 g)

1 accessories included

rod length	weight	art.-no.
40 m	7.8 kg	103502
60 m	9.2 kg	103504
80 m	10.2 kg	103506
100 m	11.5 kg	103508
120 m	12.0 kg	103509

find all accessories in the **Product Overview for Cablejet**

Our recommendation:

Glit® Lubricant

different formulations available designed to match the type of application

- reduces friction during cable pulling up to 90 %
- for all kinds of pulling rods and cables
- Pulling rods can be slid through ducts much more easily with a small amount of Glit® applied to the rod and guide head
- silicone-free, non-flammable, skin-friendly

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Accessories for Cablejet

Cablejet Pulling rod

Polykat® fibreglass profile Ø 7.2 mm
2 rod ends with M12 thread, incl. 1 guide head with pulling eye Ø 25 mm and shackle
dimensions 640 mm x 640 mm x 70 mm

rod length	weight	art.-no.
40 m	3.4 kg	103552
60 m	4.7 kg	103554
80 m	6.0 kg	103556
100 m	7.1 kg	103558
120 m	10.4 kg	103559

Cable Grip

Cable Grip with one eye
high tensile galvanized steel strand, back woven

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	working mesh length* (mm)	weight (kg)	art.-no.
10 - 20	18.8	9.4	900	0.25	108000
20 - 30	22.6	11.3	900	0.35	108001
30 - 40	37.0	18.5	900	0.50	108002
40 - 50	55.0	27.5	900	0.80	108003
50 - 65	55.0	27.5	900	0.85	108004

max. permitted load with a safety factor of 2

* refers to the mounted cable grip

find more Cable Grips in our Prospect **Cable Grips for Underground Cabling** or at **www.katimex.com**

Swivel

Swivel
with double axial bearing, stainless steel

diameter (mm)	length (mm)	max. tension* (kN)	breaking load (kN)	weight (kg)	art.-no.
16	64	3.3	10.0	0.06	107183
20	78	5.0	15.0	0.12	107173
22	86	10.0	30.0	0.15	107174
25	98	15.6	47.0	0.23	107175
32	121	22.2	67.0	0.45	107176
35	130	31.1	93.0	0.63	107177
38	143	40.0	120.0	0.77	107184
41	152	44.5	133.0	0.95	107181

*max. tension with a safety factor of 3 for horizontal tension

find more Swivels in our brochure **Swivels** or at **www.katimex.com**

Swivel connector

Swivel connector
galvanized steel, with M12 threaded connections at both ends, for connecting two fibreglass profiles

Ø	length	weight	art.-no.
30 mm	85 mm	0.36 kg	103212

Guide head

Guide head
for ducts from Ø 100 mm, aluminium with internal M12 thread

Ø	length	weight	art.-no.
40 mm	80 mm	0.18 kg	103207

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Accessories for Cablejet

Guide head

Guide head with pulling eye
aluminium, with internal M12 thread

diameter	bore-Ø	length	weight	art.-no.
18 mm	11 mm	55 mm	20 g	103208
25 mm	13 mm	60 mm	40 g	103206

Shackle

Shackle with smooth bolt, shape B
according to DIN 82101 with flat head screw, galvanized
(except 100493)

bolt-Ø	max. tensile strength	frame-Ø	clear width	weight	art.-no.
10 mm	4.0 kN	8 mm	14 mm	85 g	100491
12 mm	6.3 kN	10 mm	17 mm	195 g	100494
16 mm	10 kN	13 mm	21 mm	360 g	100495
20 mm	16 kN	17 mm	27 mm	750 g	100496
22 mm	20 kN	19 mm	30 mm	1000 g	100497
36 mm	50 kN	30 mm	47 mm	4000 g	100498

Cablejet Service bag

with Cablejet Service set
2 rod ends with external M12 thread, 1 splice, 1 special adhesive 20 g,
4 dowel pins, repair instruction

	weight	art.-no.
in a plastic bag	300 g	103596

Cablejet Service set

Cablejet Service set
2 rod ends with external M12 thread, 1 splice, 1 special adhesive 20 g,
4 dowel pins, repair instruction

	weight	art.-no.
in a plastic bag	120 g	103595

Rod end

Rod end for fibreglass profile Ø 7.2 mm
brass with external M12 thread

length	weight	art.-no.
40 mm	40 g	103249
fitting spring pin		103595

Splice

Splice for fibreglass profile Ø 7.2 mm
brass

length		weight	art.-no.
50 mm		20 g	103487
spring pins	PU 10 pieces		103593

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Accessories for Cablejet

Special adhesive

Special adhesive
for Polykat® fibreglass profiles larger than Ø 6 mm

high viscosity

content	weight	art.-no.
20 g	30 g	103210

Duct cleaning brush

Duct cleaning brush
synthetic or steel wire brush, pulling eyes attached at both ends

duct-Ø	brush	weight	art.-no.
80 mm	synthetic	0.6 kg	103218
100 mm	synthetic	1.2 kg	103219
80 mm	steel	0.5 kg	103220
100 mm	steel	1.1 kg	103221

Duct cleaning brush
with herical steel wires. *no image

duct-Ø	spiralling	weight	art.-no.
100 mm	left	1.3 kg	103250
100 mm	right	1.3 kg	103251

Coupling device

Coupling device
robust aluminium construction, maintenance free coupling cage with special coupling mechanism

diameter	tensile load capacity	length	weight	art.-no.
78 mm	3 kN	210 mm	0.9 kg	103280

Glit® F200

Glit® F200 high performance cable lubricant for underground cabling
for heavy cables and long pulls, friction can be reduced more than 50 %

silicone-free, skin-friendly, non-flammable

content	packaging*	weight	art.-no.
10 L	canister	10.4 kg	101376
20 L	canister	20.7 kg	101377
30 L	canister	31.3 kg	101378

* find more packaging sizes in our **Glit® Prospect** or at **www.katimex.com**

Recommended extension

Length counter

Length counter for Cablejet
for simple and quick measuring of underground ducts or pipes
no inefficient marking, pacing out or measuring is required and accurate results are achieved using the length counter

dimensions 120 mm x 115 mm x 110 mm

	weight	art.-no.
Length counter for Cablejet	0.7 kg	103049

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Recommended extension

Sondesystem

Sondesystem
Transmitter for tracking in non-metallic conduits and pipes.
Battery-operated, with threat M10. In combination with M12/M10 adapter suitable for all Cablejet and Pipe Eel devices with external M12 threat.

type	max. depth	diameter	weight	art.-no.
Transmitter	up to 4 m	18 mm	0.10 kg	104047
Transmitter	up to 5 m	39 mm	0.20 kg	104068
Adapter Ø 18 mm		22 mm	0.03 kg	104048
Adapter Ø 39 mm		42 mm	0.12 kg	104069

Locating Devices

Locating Devices
for point and route location

Point and route analysis can be primarily undertaken using this universal locating system. A sonde is attached to the equipment at the beginning of the fibreglass rod which can be located easily thanks to a particularly strong magnetic field. Point location is used for locating defective points in pipeline systems such as blockages, sunken sections of pipe etc. The transmitter is connected to the connection box via two cables (see illustration). Route location is used for tracking entire pipe courses. The transmission takes place along the entire length of the fibreglass profile. This version has the advantage compared with simple „pig transmitters“ that only one person is required for locating work
and losing the signal is excluded.

Locating Devices
for route locating

Route location can be used for tracking of entire pipe courses. The transmission cable is connected between transmitter and locating rodder. The second connection of the transmitter is earthed (see illustration).
This fibreglass rod contains one or more copper wires that emit a **locatable signal** over the **entire band length** via the connection of the transmitter.
This signal can be picked up, dependent on the transmission and receiving equipment and local and structural circumstances, **down to a depth of several meters**.

Jet with Sondesystem

Locating Device for Point and Route Locating
Polykat® fibreglass Ø 7.4 mm with integrated copper wires
sonde for end point determination, connection box with socket and pins for two connections, galvanized steel frame and reel Ø 650 mm

rod length	rod-Ø	weight	art.-no.
30 m	7,4 mm	7.5 kg	104070
60 m	7,4 mm	9.6 kg	104073
90 m	7,4 mm	11.7 kg	104076
120 m	7,4 mm	13.8 kg	104077

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KATIMEX®
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Pipe Eel

cable pulling system for underground engineering

the expert for telecommunication
and power cable laying

The **Pipe Eel (Röhrenaal®)** - often referred to as duct rodder, has a quality frame of galvanized steel tube construction which is screwed together.

Pipe Eel was introduced in 1974 as the world's first cable pulling device to be equipped with a **high-quality Polykat®** fibreglass profile. The combination of **stability under shear stress and flexibility** was a considerable improvement on traditional cable pulling aids. Work was made so much easier as the Pipe Eel was **very light and easy to use** and soon became popular with telecom engineers and for power cabling on construction sites. Today, as then the device allows the pulling of **light and medium duty cables in one simple run**.

Attachments such as cable grips or pulling eyes can be connected with both ends of the rod.

Cables and winching wires are pulled into ducts, conduits, cable protection piping or cable swivel connector. In this way cable and wire can be pulled over twice the distance.

The **advantages** of using the Pipe Eel have grown continually with the addition of more innovative accessories and attention to detail. An **integral brake** prevents the Polykat® fibreglass profile from reeling out of the basket under its own tension. The **ergonomic shape** makes it and with its compact design, it can easily be transported by car to site.

Due to the new **service bag** all the accessories are attached to the device and at the job site.

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Product Information

Pipe Eel

Technical Information:

The **duct rodder** Pipe Eel - Röhrenaal® is a corrosion proof, completely galvanized steel tube construction. The cage itself has special bearings and the largest type Ø 1000 mm can take up to 500 m Polykat® fibreglass profile.
An integral brake ensures that the **Polykat® fibreglass profile** reels out of the basket as desired. Glued and bolted rod ends with a **M12 thread** at both ends of the rod make it possible to **work in both directions** so that guide heads, cable grips or special accessories such as detection devices can be screwed on easily and in variable configurations.

KATIMEX® offers a wide range of additonal accessories designed to match the type of special working conditions.

rod diameter (mm)	**9**	**11**
tested tensile strength of connection rod/end (kN)	10	15
minimum rad. of curvature (mm)	240	390
breaking strain of rod (kN)	40	65

Different types of **Pipe Eel** are available

1

Pipe Eel 9 mm
Basket-Ø 750 mm
Polykat® fibreglass profile **Ø 9 mm**
up to 150 m length
rod ends M12 at both ends
galvanized tube construction
integral brake

accessories included

2

Pipe Eel 11 mm
Basket-Ø 1000 mm
Polykat® fibreglass profile **Ø 11mm**
up to 500 m Length
rod ends M12 at both ends
galvanized tube construction
integral brake

accessories included (q. v. 9 mm)

Optional*

Pipe Eel M10
fitted with rod end M10 (internal), suitable for locating sonde of Radiodetection Systems

without accessories

*see recommended extension

Accessories supplied:

- 1 service bag
- 1 guide head with pulling eye Ø 25 mm, aluminium
- 1 shackle, bolt-Ø 10 mm
- 2 rod ends
- 1 splice
- 4 dowel pins
- 1 special adhesive (20 g)

find all accessories in the **Product Overview for Pipe Eel**

1 Pipe Eel **9 mm**

rod length	weight	art.-no.
40 m	16 kg	103004
60 m	18 kg	103006
80 m	19 kg	103008
100 m	20 kg	103010
120 m	23 kg	103012
150 m	26 kg	103014

2 Pipe Eel **11 mm**

rod length	weight	art.-no.
120 m	33 kg	103017
150 m	37 kg	103015
180 m	42 kg	103016
200 m	44 kg	103020
250 m	51 kg	103025
300 m	58 kg	103030
350 m	62 kg	103035
400 m	71 kg	103040
450 m	74 kg	103045
500 m	80 kg	103048

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Accessories for Pipe Eel

Pipe Eel Pulling rod

Polykat® fibreglass profile Ø 9 mm
2 rod ends with M12 thread, incl. 1 guide head with pulling eye Ø 25 mm and shackle

rod length	weight	art.-no.
40 m	3.6 kg	103070
60 m	5.7 kg	103072
80 m	7.0 kg	103074
100 m	9.6 kg	103076
120 m	11.0 kg	103078
150 m	14.3 kg	103079

Pipe Eel Pulling rod

Polykat® fibreglass profile Ø 11 mm
2 rod ends with M12 thread, incl. 1 guide head with pulling eye Ø 25 mm and shackle

rod length	weight	art.-no.
120 m	17 kg	103080
150 m	20 kg	103081
180 m	24 kg	103082
200 m	28 kg	103086
250 m	36 kg	103091
300 m	41 kg	103096
350 m	43 kg	103097
400 m	55 kg	103098
450 m	57 kg	103099
500 m	60 kg	103100

Cable Grip

Cable Grip with one eye
high tensile galvanized steel strand, back woven

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	working mesh length* (mm)	weight (kg)	art.-no.
10 - 20	18.8	9.4	900	0.22	108000
20 - 30	22.6	11.3	900	0.35	108001
30 - 40	37.0	18.5	900	0.50	108002
40 - 50	55.0	27.5	900	0.80	108003
50 - 65	55.0	27.5	900	0.85	108004

max. permitted load with a safety factor of 2

* refers to the mounted cable grip

find more Cable Grips in our Prospect **Cable Grips for Underground Cabling** or at **www.katimex.com**

Swivel

Swivel
with double axial bearing, stainless steel

diameter (mm)	length (mm)	max. tension* (kN)	breaking load (kN)	weight (kg)	art.-no.
16	64	3.3	10.0	0.06	107183
20	78	5.0	15.0	0.12	107173
22	86	10.0	30.0	0.15	107174
25	98	15.6	47.0	0.23	107175
32	121	22.2	67.0	0.45	107176
35	130	31.1	93.0	0.63	107177
38	143	40.0	120.0	0.77	107184
41	152	44.5	133.0	0.95	107181
51	178	66.7	200.0	1.70	107178
60	262	110.0	330.0	3.50	107182
76	349	222.0	667.0	7.70	107179

*max. tension with a safety factor of 3 for horizontal tension
find more Swivels and Accessories in our brochure **Swivels** or at **www.katimex.com**

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Accessories for Pipe Eel

Swivel Connector

Swivel connector
galvanized steel, with M12 threaded connections at both ends, for connecting two fibreglass profiles

diameter	length	weight	art.-no.
30 mm	85 mm	360 g	103212

Guide head

Guide head
for ducts from Ø 100 mm, aluminium with internal M12 thread

diameter	length	weight	art.-no.
40 mm	80 mm	180 g	103207

Guide head

Guide head with pulling eye
aluminium, with internal M12 thread

diameter	bore-Ø	length	weight	art.-no.
18 mm	11 mm	55 mm	20 g	103208
25 mm	13 mm	60 mm	40 g	103206

Shackle

Shackle with smooth bolt, shape B
according to DIN 82101 with flat head screw, galvanized
(except 100493)

bolt-Ø	max. tensile strength	frame-Ø	clear width	weight	art.-no.
10 mm	4.0 kN	8 mm	14 mm	85 g	100491
12 mm	6.3 kN	10 mm	17 mm	195 g	100494
16 mm	10 kN	13 mm	21 mm	360 g	100495
20 mm	16 kN	17 mm	27 mm	750 g	100496
22 mm	20 kN	19 mm	30 mm	1000 g	100497
36 mm	50 kN	30 mm	47 mm	4000 g	100498

Pipe Eel Service set

with Pipe Eel Service set
2 rod ends with external M12 thread, 1 splice, 1 special adhesive 20 g
4 dowel pins, repair instruction

	rod-Ø	weight	art.-no.
in a plastic bag	9 mm	350 g	103140
in a plastic bag	11 mm	400 g	103141

Pipe Eel Service set

Pipe Eel Service set
2 rod ends with external M12 thread, 1 splice, 1 special adhesive 20 g
4 dowel pins, repair instruction

	rod-Ø	weight	art.-no.
in a plastic bag	9 mm	140 g	103138
in a plastic bag	11 mm	150 g	103139

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Accessories for Pipe Eel

Rod end

Rod end for fibreglass profile Ø 9 mm
brass with external M12 thread

length		weight	art.-no.
72 mm		40 g	103200
spring pins	PU 10 pieces		103133

Rod end

Rod end for fibreglass profile Ø 11 mm
brass with external M12 thread

length		weight	art.-no.
72 mm		35 g	103202
spring pins	PU 10 pieces		103133

Splice

Splice for fibreglass profile Ø 9 mm
brass

length		weight	art.-no.
80 mm		45 g	103203
spring pins	PU 10 pieces		103133

Splice

Splice for fibreglass profile Ø 11 mm
brass

length		weight	art.-no.
80 mm		45 g	103205
spring pins	PU 10 pieces		103133

Special adhesive

Special adhesive
for Polykat® fibreglass profile larger than Ø 6 mm
high viscousity

content	weight	art.-no.
20 g	30 g	103210

Duct cleaning brush

Duct cleaning brush
synthetic or steel wire brush, pulling eyes attached at both ends

duct-Ø	brush	weight	art.-no.
80 mm	synthetic	0.6 kg	103218
100 mm	synthetic	1.2 kg	103219
80 mm	steel	0.5 kg	103220
100 mm	steel	1.1 kg	103221

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Accessories for Pipe Eel

Duct cleaning brush

Duct cleaning brush
with flat spiral steel wire brush, pulling eyes attached at both ends
length approx. 500 mm

duct-Ø	spiralling	weight	art.-no.
100 mm	left	1.30 kg	103250
100 mm	right	1.30 kg	103251

Coupling device

Coupling device
robust aluminium construction, maintenancefree coupling cage with special coupling mechanism

diameter	tensile load capacity	lenght	weight	art.-no.
78 mm	3 kN	210 mm	0.90 kg	103280

Glit® F200

Glit® F200 high performance cable lubricant for underground cabling
for heavy cables and long pulls, friction can be reduced more than 50%
silicone-free, skin-friendly, non-flammable

content	packaging*	weight	art.-no.
10 L	canister	10.40 kg	101376
20 L	canister	20.70 kg	101377
30 L	canister	31.30 kg	101378

* find more packaging sizes in our **Glit® Prospect** or at **www.katimex.com**

Recommended extension

Length counter

Length counter for Pipe Eel
for simple and quick measuring of underground ducts or pipes.
No inefficient marking, pacing out or measuring is required and accurate results are achieved using the length counter.
dimensions 120 mm x 115 mm x 110 mm

description	weight	art.-no.
Length counter for Pipe Eel	0.70 kg	103050

Sondesystem

Sondesystem
Transmitter for tracking of non-metallic conduits and pipes.
Battery-operated, with thread M10. In combination with M12/M10 adapter suitable for all Cablejet and Pipe Eel devices with M12 thread.

type	max. depth	diameter	weight	art.-no.
Transmitter	up to 4 m	18 mm	0.10 kg	104047
Transmitter	up to 5 m	39 mm	0.20 kg	104068
Adapter Ø 18 mm		22 mm	0.03 kg	104048
Adapter Ø 39 mm		42 mm	0.12 kg	104069

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Glit®

Cable lubricant

IMPROVED FORMULA

different formulations available
designed to match every type of application

NEW - the improved formula
Glit® lubricants are available in a wide range of different formulations to match nearly every type of application. Its new formula **reduces friction during cable pulling up to 90 %.**
Glit® is the optimal lubricant for all common coating materials.
New technologies allow the production of **ecologically friendly greases,** that meet the high demands when pulling cables

The use of **Glit®** is especially recommended when working over long distances, in heavily occupied ducts or under floor channels. It can be used in small quantities as it spreads very easily.

Glit® has proved its worth in daily use for years.

Silicone-free, skin-friendly, non-flammable

Advice: For further information please refer to the material safety data sheet.

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KATIMEX®
CABLING ENABLED

Glit®

Glit®

Glit® is our proven lubricant for domestic installations
It is optimized for the usage with our Kati® Blitz and Cablemax.
Its new formula reduces friction during cable pulling considerable.

content	packaging	weight	art.-no.
200 ml	tube	0.24 kg	101370
200 ml/tube	10 tubes/display box	2.54 kg	101371
1 L	bucket	1.10 kg	101373
5 L	bucket	5.20 kg	101374
10 L	bucket	10.60 kg	101375

Glit® F100

Glit® F100 is a proven high performance lubricant for cable installations where longer pulling distances and higher pulling speeds are typically encountered

content	packaging	weight	art.-no.
1 L	bottle	1.10 kg	101384
5 L	canister	5.20 kg	101385
10 L	canister	10.20 kg	101386
20 L	canister	20.70 kg	101387
30 L	canister	33.00 kg	101388

Glit® F200

Glit® F200 is a proven high performance lubricant which is used
for cable installation projects with heavy cables and long pulls

content	packaging	weight	art.-no.
10 L	canister	10.40 kg	101376
20 L	canister	20.70 kg	101377
30 L	canister	31.30 kg	101378
60 L	barrel	65.00 kg	101379

Glit® Blue

Glit® Blue is a proven high performance lubricant which is used
for cable installations with heavy cables and short to medium long pulls

content	packaging	weight	art.-no.
10 L	canister	10.20 kg	101380
20 L	canister	20.70 kg	101381
30 L	canister	33.00 kg	101382

Glit® Air

Glit® Air is a proven high performance lubricant
used with air-assisted cable blowing and pushing systems

content	packaging	weight	art.-no.
1 L	bottle	1.10 kg	101390
5 L	canister	5.20 kg	101391
10 L	canister	10.20 kg	101392
20 L	canister	20.70 kg	101393

Lubricant Pump

For Glit®, Glit® F200 and Glit® Blue

pump incl. adapter	weight	art.-no.
fitted for canister 20 L & 30 L	1.05 kg	107080

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KATIMEX®
CABLING ENABLED

Cable Guide Heads

for direct insertion of cables into short conduits

fast, simple & effective use

By **easy screwing** of the heads onto the cables those can be **pushed easily and quickly** into short conduits.

previous working steps:

- insertion of the pulling rod
- connection of cable and pulling rod
- pulling-in
- disconnection of cable and rod

working steps with cable guide head:

- screwing of the cable guide head onto the cable
- insertion of the cable

The **self-cutting thread** of the guiding heads is **tight enough**, even when the cable needs to be **pulled back.**

The **different types** of guiding heads can be used both **for standard cables** and wires in **domestic installation** and for **cables in underground** as well.

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Cable Guide Heads

Cable guide head

Cable guide head
brass, self cutting thread

cable-Ø	weight	art.-no.
11/15 mm Set	50 g	101036
11 mm	15 g	101056
15 mm	25 g	101057

Cable guide head

Cable guide head
aluminium

cable-Ø	weight	art.-no.
up to 22 mm	30 g	103169
up to 30 mm	75 g	103170
30-50 mm	270 g	103171

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Duct Pullers

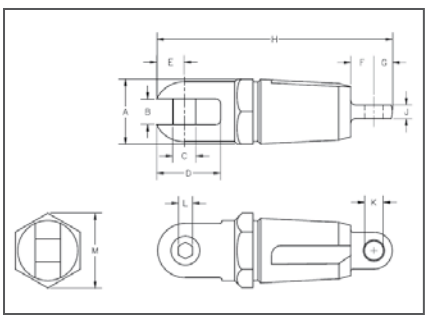
Innerduct Pullers…
where there is no space for a cable grip

Innerduct Pullers - for high pressure and polyethylene pipes.

Innerduct Pullers are typically used in **"pipe-in-pipe"** installation, in horizontal borings, with cable plows and moles. Duct Pullers are **installed quickly** and require no special tooling.

Spread Innerduct Pullers or Duct Pullers with self-cutting, conically formed thread offer a **cheap chance** to renew pipes. They are available in a wide range of **different diameters.**

An additional reliability is provided because you can use the Duct Puller with screw-in tapered thread with or as well without integrated swivel.



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Duct Puller

Duct Puller

Duct Puller with swivel

With chrome plated surface with a screw-in tapered thread to grip the inside diameter of the duct. These Duct Pullers have a built in swivel head.

outside-Ø (mm)	duct-Ø (mm)	min. duct-Ø (mm)	max. duct-Ø (mm)	weight (kg)	art.-no.
31.8	32	23.9	29.2	0.30	107185
41.3	40	32.0	36.6	0.35	107186
44.4	50	37.6	42.2	0.70	107187
54.0	63	48.5	52.8	0.85	107188

Duct Puller

Duct Puller chrome plated

With chrome plated surface with screw-in tapered thread

outside-Ø (mm)	duct-Ø (mm)	min. duct-Ø (mm)	max. duct-Ø (mm)	weight (kg)	art.-no.
29	25	18.3	23.6	0.25	107190
35	32	25.4	30.0	0.36	107191
45	40	31.8	36.3	0.64	107192
51	50	38.1	42.7	0.91	107193
64	63	50.8	55.4	1.50	107194

Duct Puller

Duct Puller with clamping system

the most efficient way to allow the safe towing of polymer pipes into position

duct-Ø (mm)	min. duct-Ø (mm)	max. duct-Ø (mm)	weight (kg)	art.-no.
25	18	22	0.10	107325
32	24	29	0.15	107326
40	30	37	0.20	107327
50	38	47	0.40	107328
55	42	49	0.90	107329
63	48	58	1.70	107330
75	56	70	2.40	107331
90	66	84	4.10	107332
110	82	100	7.40	107333
125	96	115	8.60	107334
140	105	130	8.80	107335
160	124	148	10.00	107336
180	126	166	15.00	107337
200	152	185	18.00	107338
225	163	205	25.00	107339
250	187	225	28.00	107340
280	221	259	38.00	107341
315	238	290	53.00	107342
355	270	325	60.00	107343

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NEW
X-Blow® Micro

X-Blow® Micro

The FttX-Allrounder

The blowing system for FttB and FttH installations!

The X-Blow Micro was specifically designed for the growing demand of FttB and FttH cable laying. No matter if the house, apartment or the whole building needs to be connected – the blowing system from Katimex was especially designed to meet the growing demand of optic fibre cable laying in buildings. Electricians can use the blowing system for laying cables in both FttH and FttB.

The modular designed blowing system includes a manually driven feeding device, a separate blowing chamber and a compressed air unit. With a high blow-in performance fibre optic cables are brought into the empty pipe or microducts up to a length of 1500 meters.

The installation process is significantly easier due to the low weight and intuitive handling of the device and the compact and light construction makes even the use in limited space possible. The X-Blow® Micro has separate blowing chambers to enable the laying of pre-assembled cables and a tool-free set-up of the device to flexibly use other cable or sub-duct combination

Advantages at a glance:

- Different versions for beginners or professionals
- Tool-free set-up
- Cost-efficient blowing system for connections into and within the building
- Separate blowing chambers and driven feeding device
- Delivery in L-BOXX – the standard for all electricians

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05-2020

NEW
X-Blow® Micro

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X-Blow® Micro

Technical Details

The X-Blow Micro consists of a feeding device, a separate blowing chamber for 2-3 mm or 4-5 mm cables, a compressed air unit with display and air-pressure regulation.

Only a battery powered drill with a torque clutch and a compressor is needed to use the X-Blow Micro.

The separate blowing chambers can be used of either for microducts 7 (2-3mm cables) or microducts 10 (3-4 mm cables).

Cable diameter [mm]	2 to 4
Subduct diameter [mm]	7 and 10
max. pressure [bar]	15
max. reachable length [m]	up to 1500

X-Blow® Micro is available in different versions.

More informations about the X-Blow® Micro:

Our Recommendation:

Glit® Air

Optimized lubricant for blowing in fibre optic cables or microducts

ESPECIALLY SUITABLE FOR BLOWING IN FIBER OPTIC CABLES

content	packaging	weight	art.no.
0,25L	bottle	0,3 kg	101395
1 L	bottle	1,1 kg	101390
5 L	canister	5,2 kg	101391
10 L	canister	10,2 kg	101392
20 L	canister	21,0 kg	101393

Decoiler – fibre optic cables

Decoiler for fibre optic cable coils, mounted drum axle, 2 centring cones, foldable

max. drum-Ø	bunghole-Ø	weight	art.no.
800 mm	40-100 mm	11,6 kg	107238

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NEW
X-Blow® Micro

X-Blow® Micro products

X-Blow® Micro Deluxe

Blowing device with 2 separate blowing chambers, compressed air unit, center sleeves, fibre optic cable scissors, 250 ml Glit Air cable lubricant, crash test tube, sub-duct cutter and further accessories incl. a Sortimo carry case, tripod and a 5 meter compressed air hose

Device dimension: 220 mm x 130 mm x 80 mm, 1,35 kg
Transport dimensions: 640 mm x 440 mm x 230 mm, 8,00 kg

cable-Ø	subduct-Ø	max. pressure	length	art.no.
2-4 mm	7 and 10 mm	15 bar	up to 1500 m	106300

X-Blow® Micro Professional

Blowing device with 2 separate blowing chambers, compressed air unit, center sleeves, fibre optic cable scissors , sub-duct cutter, 250 ml Glit Air cable lubricant and further accessories incl. a Sortimo carry case.

Device dimension: 220 mm x 130 mm x 80 mm, 1,35 kg
Transport dimension: 440 mm x 370 mm x 160 mm, 6,00 kg

cable-Ø	subduct-Ø	max. pressure	length	art.no.
2-4 mm	7 and 10 mm	15 bar	up to 1500 m	106301

X-Blow® Micro Set

Blowing device with 1 separate blowing chambers, compressed air unit, center sleeves, fibre optic cable scissors, sub-duct cutter, 250 ml Glit Air cable lubricant and further accessories incl. a Sortimo carry case

Device dimension: 220 mm x 130 mm x 80 mm, 1,35 kg
Transport dimension: 440 mm x 370 mm x 160 mm, 4,60 kg

cable-Ø	subduct-Ø	max. pressure	length	art.no.
2-3 mm	7 mm	15 bar	up to 1500 m	106302
3-4 mm	10 mm	15 bar	up to 1500 m	106303

X-Blow® Micro

Blowing device with 1 separate blowing chambers, compressed air unit, center sleeves, incl. a pre-cut foam inserts for Sortimo carry case

Device dimension: 220 mm x 130 mm x 80 mm, 1,35 kg
Transport dimension: 440 mm x 370 mm x 160 mm, 3,00 kg

cable-Ø	subduct-Ø	max. pressure	length	art.no.
2-3 mm	7 mm	15 bar	up to 1500 m	106304
3-4 mm	10 mm	15 bar	up to 1500 m	106305

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NEW
X-Blow® Micro

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X-Blow® Micro equipment

Blowing chamber X-Blow® Micro

Separate blowing chamber with center sleeves, anodized aluminium

cable-Ø	subduct-Ø	max. pressure	art.no.
2-3 mm	7 mm	15 bar	106312
3-4 mm	10 mm	15 bar	106313

Replacement Roller-Set X-Blow® Micro

Roller set with aluminium-core and special coating. Roller-Ø 40 mm

cable-Ø	art.no.
2-4 mm	106311

Center Sleeve-Set X-Blow® Micro

To center the cables in front of the rollers.
Contains: 2 pieces (halves)

cable-Ø	art.no.
2-3 mm	106314
3-4 mm	106315

Seal-Kit X-Blow® Micro

To seal cables and sub-ducts inside the blowing chamber
Contains: 3 x 2 seal discs

PU	cable-Ø	subduct-Ø	art.no.
1	2-3 mm	7 mm	106316
1	3-4 mm	10 mm	106317

Lubricant Sponge

To clean and spread Glit Air cable lubricant in sub-ducts
Contains: 10 pieces

PU	subduct-Ø	max. pressure	art.no.
1	DN4	2 bar	106924
1	DN6	2 bar	106926

Crash Test Tube

Used to check the feeding power, catch the sponges or as end stop during the blowing process. With end cap. Length 350 mm

subduct-IDØ	subduct-ADØ	art.no.
4 mm	7 mm	106905
6 mm	10 mm	106906

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KATIMEX®
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Cable Grips

Cable Grips and
Cable Support Grips

Cable Grips for domestic installation

Cable Grips for underground cabling

Suspension and
Hose Securing Grips

Cable Support Grips

Cable Grips for fibre optical cables

Cable Grips for overhead cabling

Wire and Cable Connector Grips

Swivel

KATIMEX®
CABLING ENABLED

Cable Grips

for domestic installation

designed to perfectly match
the Kati® Blitz & Cablemax product ranges

This range of cable grips has been **specially designed** for laying cables to be used in **domestic installations**. Using cable grips for **indoor installations** make it easier to pull power and telecommunication cables, as well as several single wires in one operation. They are particulary flexible and can also be used in **ducts and conduit with small diameters**.
For domestic installations cable grips make it possible for the electrician to **pull cable through quickly and safely** without having to strip the cable first or tie it off. It is simply slipped over the cable and grips it firmly even with low pulling tensions.

KATIMEX® Cable Grips for domestic installation are available **in three types**:

- with single eye
- with integral pulling eye
- with integral swivel

The **integrated swivel** prevents the cable grip from becoming detached from the pulling rod, should there be any torsion in the cable when it is being pulled through.
Cable Grips with integral pulling eye can either be attached to the pulling rod with **M5 connection** or with an other attachment.

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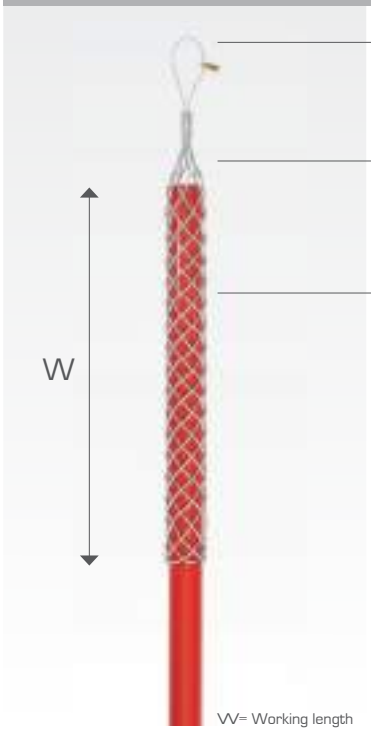
Product Information

Cable Grips

Technical Data:



All cable grips in this series have a **M5 screw connection** and are **compatible with Kati® Blitz and Cablemax** pulling devices. They can simply be attached onto the fibreglass pulling profile and thereby form an effective pulling system.

The pressed ferrule ensures a **non-positive connection** between eye and mesh.

The **tension** is transferred uniformly over the entire length of the mesh. This avoids a concentrated load and helps prevent breakage and damage of the grip.

The **working length** also referred to as **nominal length** is the effective length of the mesh to the cable using a medium cable diameter (square mesh).

The ends of the cable grips are not soldered or pressed. Instead they are woven back to the beginning of the cable grip and therefore minimizes the risk of injury for human as well as for cable.

Load limits:

KATIMEX® **Cable Grips for domestic installation** suit a wide range of applications.
It is important that you attend to the permitted load limits and different appropriate safety factors if necessary.

The **Practical breaking load** is a average value, determined by tests in our own manufacturing facility.

The indicated **Pulling force for Katimex Cable Grips for domestic installation** is the **Practical breaking load** with a **safety factor of 1,5**.

Please note that every application additionally is affected by different factors (tension, abrasion, etc.).
Therefore always check your cable grips for damages before using.

Our recommendation:

Glit® Lubricant

different formulations available designed to match the type of application

- reduces friction during cable pulling up to 90 %
- for all kinds of pulling rods and cables
- Pulling rods can be slid through ducts much more easily with a small amount of Glit® applied to the rod and guide head
- silicone-free, non-flammable, skin-friendly

Art.-Nr. 101370

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Cable Grips

Cable Grip

Cable Grip with integral swivel

high tensile galvanized steel strand, back woven, M5 threaded connection

max. permitted load with a safety factor of 1.5

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	working meshlength (mm)	weight (g)	art.-no.
4 - 6	2.0	1.3	100	5	108066
6 - 9	2.0	1.3	120	5	108060
9 - 12	2.0	1.3	180	10	108061
12 - 15	2.0	1.3	230	20	108062

Cable Grip

Cable Grip with integral pulling eye

high tensile galvanized steel strand, back woven, M5 threaded connection

max. permitted load with a safety factor of 1.5

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	working meshlength (mm)	weight (g)	art.-no.
4 - 6	2.0	1.3	100	5	108076
6 - 9	2.0	1.3	120	5	108070
9 - 12	2.0	1.3	180	10	108071
12 - 15	2.0	1.3	230	20	108072
15 - 19	8.1	5.4	280	30	108063
19 - 25	11.7	7.8	290	45	108064
25 - 31	18.5	12.3	300	75	108065

Cable Grip

Cable Grip with one eye

high tensile galvanized steel strand, back woven

max. permitted load with a safety factor of 1.5

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	working meshlength (mm)	weight (g)	art.-no.
4 - 6	2.0	1.3	100	5	108181
6 - 9	2.0	1.3	120	5	108182
9 - 12	2.0	1.3	180	15	108183
12 - 15	2.0	1.3	230	25	108187
15 - 19	8.1	5.4	280	45	108184
19 - 25	11.7	7.8	290	70	108185
25 - 31	18.5	12.3	300	95	108186

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KATIMEX®
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Cable Grips

KATIMEX® sets highest standards in quality

KATIMEX® offers a wide range of more than **3.000 different types** of grips, which are all hand woven. The grips are manufactured in galvanized steel, stainless steel wire or non-conductive synthetic wire, to suite every possible type of application.

The growing demand for **special cable grips** for particular applications necessitates the **maximum reliability and quality**. The **own manufacturing** ensures that the highest quality standards are maintained across the complete range of grips. **Regular testing and inspection at our own manufacturing facility** ensures that all requirements to meet **every safety standards are maintained**.

Applications:

- **Cable Grips for Domestic Installation** - specially fitted for use with the product range Kati® Blitz and Cablemax
- **Cable Grips for Undergound Cabling**
- **Cable Grips for Overhead Cabling**, with flexible eye for easy use with roller sytems and winches
- **Cable Support Grips** for supporting any kind of cable in permanent installations
- **Wire and Cable Connector Grips** for the easy replacement of cables and wires
- **Hydraulic Hose Securing Grips** for securing hose lines under high pressure

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Product Information

Cable Grips

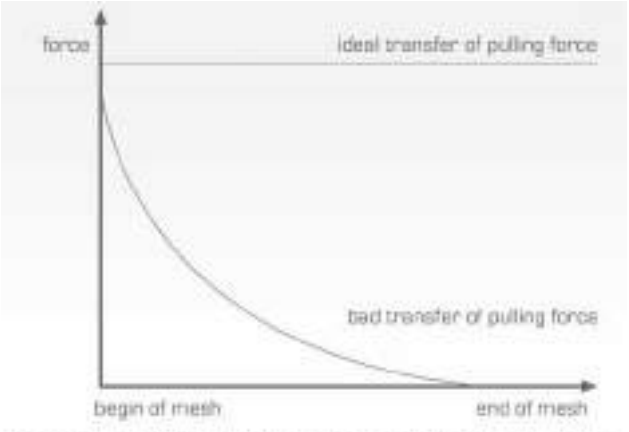
Quality features:

The KATIMEX® cable grips enclose the cable firmly over the entire length of the mesh. They are made of high tensile steel strands. Depending on the type of grip, the strand comprises 7, 12 or 19 wires. By selecting the most suitable strand, the tension distribution characteristics can be adjusted to suit the requirements. Katimex only uses high-quality materials produced in Europe for the production of cable grips.

All types of cables are made by hand. This guarantees the high quality of our products. Therefore the ends of the cable grips are not soldered or pressed up. Instead they are woven back to the beginning of the cable grip. This rules out any risk of injury to persons or damage to machinery.

All strands are brought together at the beginning of the grip and pressed together in a collar with an eye. The collar is chamfered in the pulling direction to prevent it from getting caught in the duct.

Thanks to the flexible eye, cables can be pulled more easily through ducts with a smaller diameter.



Transfer of pulling force from the cable grip to the cable

Ideally, tension should be transferred to the cable uniformly over the length of the cable. Practically this goal is only partially achieved due to the rigidity of the steel cord, so that the majority of the tension is transferred to the beginning of the cable.

Due to their construction, the cable grips from KATIMEX® guarantee an uniform transfer of tension over the entire length of the mesh in such a way that the cable is not damaged. This is particularly important for sensitive optical fibre cables.

The quality and number of wires used only come completely into play when the construction is optimized for each requirement. This can be achieved by skillful variation of the number strands or by the number of wires in each strand, and the mesh size. Thus several strands with the same mesh tensile capacity have more flexibility compared to the strands with a larger diameter.

Material/Characteristics/Applications:

galvanized steel strand

- suitable for normal climatic conditions
- special designs for higher breaking loads

stainless steel (1.4001, DIN 17440)

- for applications in the chemicals industry, in oil refining, under water, in food industry etc.
- approx. 10 % reduced breaking load

synthetic (Kevlar)

- for special applications, requiring insulation

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KATIMEX®
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Cable Grips

for underground cabling

a wide range of different types
and eye arrangements

KATIMEX® offers a wide range of cable grips for underground cabling.
The grips are manufactured with **galvanized steel, stainless steel wire or non conductive synthetic wire**.
The standard galvanized wire cable grip is manufactured using highly flexible 19 strand double cord. Therefore the grip maintains its high flexibility under high tension.

The **standard single eye closed grip** is simply pushed over the end of the cable whereas the **double eye and offset eye grips** enable the cable to be pushed through the grip.
We also produce **single and double eye lace-up grips** also known as split grips. These can be attached at any point where the end of the cable is not accessible.

The **multiple cable grip** combines **three cable grips with one common eye**. Three power supply cables can therefore be laid at the same time. The effort required for multiple cable laying is minimized with this multiple cable grip.

The different types of cable grip offer **a complete range of sizes to suit cables 10 mm to 180 mm diameter**.

As **manufacturer of hand woven cable grips** KATIMEX® are able to offer **individual solutions** to **suit the special needs of the customer**. Grips can be manufactured to specific lengths and can be fitted with **cable eye stiffeners (thimbles)** as required.

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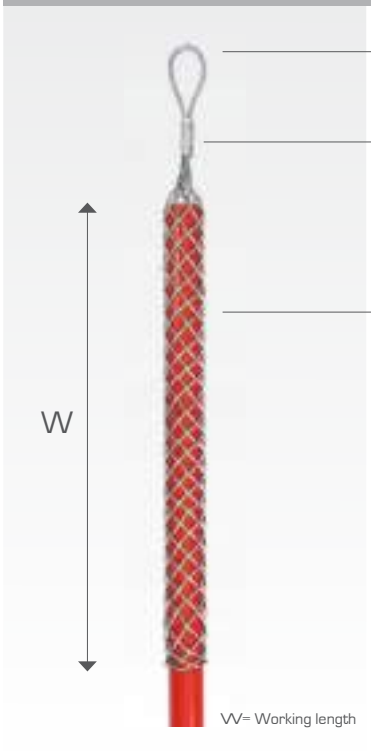
Cable Grips

Technical Data:



All strands at the beginning of the grip are bound together and pressed together in a ferrule with an eye.

The pressed ferrule is chamfered in the direction of tension to prevent it from snagging in the conduit.

The tension is transferred uniformly over the entire length of the mesh. This avoids a concentrated load and helps prevent breakage and damage of the cable.

The **working length** also referred to as **nominal length** is the effective length of the mesh to the cable using a medium cable diameter (square mesh).

The ends of the cable grips are not soldered or pressed. Instead they are woven back to the beginning of the cable grip and therefore minimizes the risk of injury for human as well as for cable.

Load limits:

KATIMEX® **Cable Grips for underground cabling** suit a wide range of applications.
It is important that you attend to the permitted load limits and different appropiate safety factors if necessary.

The **Practical breaking load** is a average value, determined by tests in our own manufacturing facility.

The indicated **Pulling force for Katimex Cable Grips for underground cabling** is the **Practical breaking load** with a **safety factor of 2**.

Please note that every application additionally is affected by different factors (tension, abrasion, etc.).
Therefore always check your cable grips for damages before using.

Our recommendation:

Glit® Lubricant

different formulations available designed to match the type of application

- reduces friction during cable pulling up to 90 %
- for all kinds of pulling rods and cables
- Pulling rods can be slid through ducts much more easily with a small amount of Glit® applied to the rod and guide head
- silicone-free, non-flammable, skin-friendly

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Cable Grips

single eye

galvanized steel
handwoven
available in stainless steel

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	weight* (kg)	W 600 mm art.-no.	W 900 mm art.-no.
10 - 20	18.8	9.4	0.22	109001	108000
20 - 30	22.6	11.3	0.35	109002	108001
30 - 40	37.0	18.5	0.50	109003	108002
40 - 50	55.0	27.5	0.80	109004	108003
50 - 65	55.0	27.5	0.85	109005	108004
65 - 80	73.2	36.6	1.08	109006	108005
80 - 95	73.2	36.6	1.24	109007	108006
95 - 110	85.0	42.5	1.73	109008	108007
110 - 130	106.0	53.0	1.79	109009	108008
130 - 150	106.0	53.0	1.94		108009
150 - 180	127.0	63.5	2.09		108010

double eye

galvanized steel
handwoven
open front
available in stainless steel

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	weight* (kg)	W 600 mm art.-no.	W 900 mm art.-no.
10 - 20	18.8	9.4	0.25	109100	108020
20 - 30	22.6	11.3	0.42	109101	108021
30 - 40	37.0	18.5	0.58	109102	108022
40 -50	55.0	27.5	0.89	109103	108023
50- 65	55.0	27.5	0.93	109104	108024
65 - 80	73.2	36.6	1.03	109105	108025
80 - 95	73.2	36.6	1.36	109106	108026
95 - 110	85.0	42.5	1.47	109107	108027
110 - 130	106.0	53.0	2.10		108028
130 - 150	106.0	53.0	2.34		108029
150 - 180	127.0	63.5	2.50		108030

single lateral eye

galvanized steel
handwoven
open front
available in stainless steel

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	weight* (kg)	W 600 mm art.-no.	W 900 mm art.-no.
10 - 20	18.8	9.4	0.25	109200	108420
20 - 30	22.6	11.3	0.37	109201	108421
30 - 40	37.0	18.5	0.54	109202	108422
40 - 50	55.0	27.5	0.85	109203	108423
50 - 65	55.0	27.5	1.03	109204	108424
65 - 80	73.2	36.6	1.33	109205	108425
80 - 95	73.2	36.6	1.30	109206	108426
95 - 110	85.0	42.5	2.10		108427
110 - 130	106.0	53.0	2.15		108428
130 - 150	106.0	53.0	2.20		108429
150 - 180	127.0	63.5	2.43		108430

double eye, split (lace up)

galvanized steel
handwoven
three binding laces
available in stainless steel

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	weight* (kg)	W 900 mm art.-no.
10 - 20	18.8	9.4	0.30	108040
20 - 30	22.6	11.3	0.43	108041
30 - 40	37.0	18.5	0.62	108042
40 - 50	55.0	27.5	0.90	108043
50 - 65	55.0	27.5	1.09	108044
65 - 80	73.2	36.6	1.11	108045
80 - 95	73.2	36.6	1.63	108046
95 - 110	85.0	42.5	1.75	108047
110 - 130	106.0	53.0	2.10	108048
130 - 150	106.0	53.0	2.70	108049
150 - 180	127.0	63.5	3.32	108050

* refers to W 900 mm

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Cable Grips

multiple Cable Grip

galvanized steel
handwoven
available in stainless steel

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	weight (kg)	W 900 mm art.-no.
3 x 10 - 19	22.6	11.3	1.00	108606
4 x 21 - 30	22.6	11.3	1.33	108603
3 x 20 - 29	22.6	11.3	1.20	108604
3 x 30 - 39	37.0	18.5	1.50	108600
3 x 40 - 49	55.0	27.5	2.55	108601
3 x 50 - 65	55.0	27.5	2.65	108605

single eye

synthetic cord (with kevlar)
non conductive
antimagnetic
non corrosive

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	weight (kg)	weave	W 600 mm art.-no.
10 - 20	11.2	0.56	0.06	single	108300
20 - 30	16.8	0.84	0.08	single	108301
30 - 40	22.4	1.12	0.11	single	108302
40 - 50	27.0	1.35	0.12	single	108303
50 - 65	71.6	3.58	0.22	double	108304
65 - 80	71.6	3.58	0.28	double	108305
80 - 100	71.6	3.58	0.29	double	108306

double eye

synthetic cord (with kevlar)
non conductive
antimagnetic
non corrosive

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	weight (kg)	weave	W 600 mm art.-no.
10 - 20	11.2	0.56	0.06	single	108310
20 - 30	16.8	0.84	0.09	single	108311
30 - 40	22.4	1.12	0.17	double	108312
40 - 50	27.0	1.35	0.22	double	108313
50 - 65	71.6	3.58	0.26	double	108314
65 - 80	71.6	3.58	0.32	double	108315
80 - 100	71.6	3.58	0.34	double	108316

single lateral eye

synthetic cord (with kevlar)
non conductive
antimagnetic
non corrosive

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	weight (kg)	weave	W 600 mm art.-no.
10 - 20	11.2	0.56	0.06	single	108320
20 - 30	16.8	0.84	0.08	single	108321
30 - 40	22.4	1.12	0.11	single	108322
40 - 50	27.0	1.35	0.12	single	108323
50 - 65	71.6	3.58	0.23	double	108324
65 - 80	71.6	3.58	0.29	double	108325
80 - 100	71.6	3.58	0.33	double	108326

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KATIMEX®
CABLING ENABLED

Suspension and Hose Securing Grips

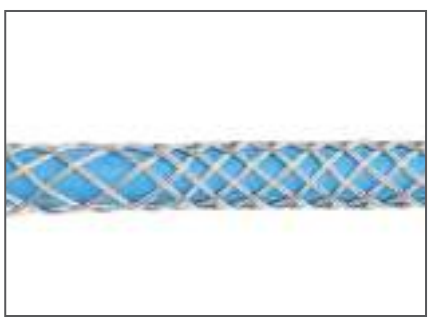
Optimal solutions for quick and safe installation of cables.

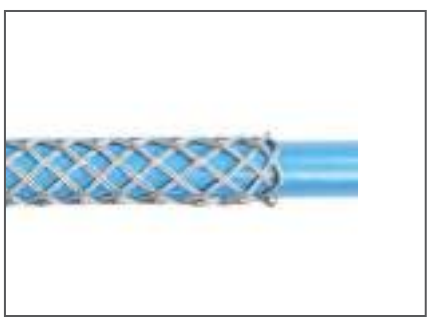
A lot of suspension- and hose securing grips in industry, wind parks, lifts, cranes or the like are often used under **extra ordinary stresses and strains.**

Suspension grips ensure that cables are safely held in various fields of aplication. Using KATIMEX® Suspension Grips high tension is **uniformly spread over the cable.** Therefore damages or breaks are avoided, that might happen when fixing the cable commonly with a cable clip.

Hose securing grips are used **for safe fixing of high-pressure hoses.** Sudden occurring energies, for example by loosing of a hose from an armature could lead to serious injuries and material damages. Our special Hose securing grips help to prevent this.

Cable suspension grips and hose securing grips are supplied in zinc coated wire, the hose securing grips **alternatively in stainless steel.** Furthermore you can choose between single or double eye included thimble. **The thimbles are available in steel or stainless steel.**





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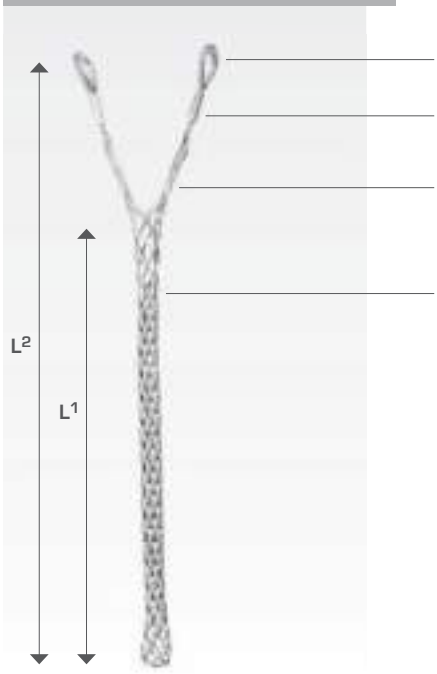
KATIMEX®
CABLING ENABLED

Product Information

Suspension and Hose Securing Grips

Technical Information:



All suspension- and hose securing grips are equipped with thimbles.

The **pressed sleeves** ensure a regular load of the full length of the mesh.

2 different types of loop are available (see also pic. types of loop)

The **tension** is transferred uniformly over the entire length of the mesh. This avoids a concentrated load and helps prevent breakage and damage of the grip.

L^1 and L^2 means the free length in unloaded condition.

The ends of the grips are not soldered or pressed but **woven back** to the beginning of the cable grip. This avoids injuries and damages of the cable.

Types of loop:

one lateral eye

two loops

Material/characteristic/applications:

For manufacturing KATIMEX® only uses high qualitiy materials of **European** origin.

galvanized steel strand

- suitable for normal climatic conditions
- special designs for higher breaking loads are available

stainless steel (1.4001, DIN 17440)

- for applications in the chemicals industry, in oil refining, under water, in food industry etc.
- approx. 10 % reduced breaking load

Load limits:

KATIMEX® suspension and hose securing grips offer a wide range of applications.
It is important that you attend to the permitted load limits and different safety factors if necessary.

The **Practical breaking load** is an average value, determined by tests in our own manufacturing facility.

The indicated **Pulling force** for KATIMEX® suspension and hose securing grips is the Practical breaking load with a **safety factor of 3**.

Please note that every application additionally is affected by different factors (tension, abrasion, etc.).
Therfore always check your cable grips in regard of damages before using.

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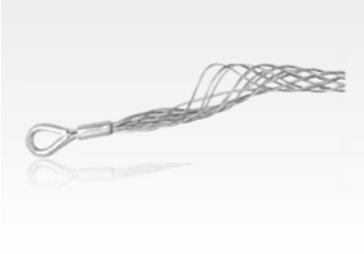
Suspension and Hose Securing Grips

Suspension Grip



Cable Suspension Grip, single lateral eye with thimble
high flexible, galvanized steel strand, back woven, double weave

cable-Ø (mm)	pulling force (kN)	breaking load (kN)	L^1 (mm)	L^2 (mm)	D*	weight (kg)	art.-no.
8 - 10	5,0	15,0	500	650	14	0,20	109501
10 - 15	6,2	18,6	500	670	16	0,20	109502
15 - 20	6,2	18,6	500	720	18	0,20	109503
20 - 25	7,5	22,6	500	750	18	0,22	109504
25 - 30	12,3	37,0	500	750	20	0,22	109505
30 - 40	12,3	37,0	500	800	24	0,38	109506
40 - 50	18,3	54,9	800	1000	24	0,64	109507
50 - 60	18,3	54,9	800	1000	24	0,87	109508
60 - 70	18,3	54,9	800	1200	24	0,90	109509
70 - 90	24,4	73,2	800	1200	28	0,96	109510
90 - 110	35,4	106,1	800	1200	28	1,30	109511

Suspension Grip

Cable Suspension Grip, single lateral eye with thimble, stainless steel
high flexibel, stainless steel strand, back woven, double weave

cable-Ø (mm)	pulling force (kN)	breaking load (kN)	L^1 (mm)	L^2 (mm)	D*	weight (kg)	art.-no.
8 - 10	4,5	13,5	500	650	14	0,20	109501-1
10 - 15	5,6	16,7	500	670	16	0,20	109502-1
15 - 20	5,6	16,7	500	720	18	0,20	109503-1
20 - 25	6,8	20,3	500	750	18	0,22	109504-1
25 - 30	11,1	33,3	500	750	20	0,22	109505-1
30 - 40	11,1	33,3	500	800	24	0,38	109506-1
40 - 50	16,5	49,4	800	1000	24	0,64	109507-1
50 - 60	16,5	49,4	800	1000	24	0,87	109508-1
60 - 70	16,5	49,4	800	1200	24	0,90	109509-1
70 - 90	22,0	65,9	800	1200	28	0,96	109510-1
90 - 110	31,9	95,5	800	1200	28	1,30	109511-1

Suspension Grip

Cable Suspension Grip, double eye with thimbles
high flexibel, galvanized steel strand, back woven, double weave

cable-Ø (mm)	pulling force (kN)	breaking load (kN)	L^1 (mm)	L^2 (mm)	D*	weight (kg)	art.-no.
8 - 10	5,0	15,0	500	650	14	0,25	109521
10 - 15	6,2	18,6	500	670	16	0,25	109522
15 - 20	6,2	18,6	500	720	18	0,25	109523
20 - 25	7,5	22,6	500	750	18	0,27	109524
25 - 30	12,3	37,0	500	750	20	0,27	109525
30 - 40	12,3	37,0	500	800	24	0,54	109526
40 - 50	18,3	54,9	800	1000	24	0,60	109527
50 - 60	18,3	54,9	800	1000	24	0,82	109528
60 - 70	18,3	54,9	800	1200	24	0,85	109529
70 - 90	24,4	73,2	800	1200	28	0,87	109530
90 - 110	35,4	106,1	800	1200	28	1,40	109531

D* = inner diameter of thimble

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Suspension and Hose Securing Grips

Suspension Grip

Cable Suspension Grip, double eye with thimbles, stainless steel
high flexible, stainless steel strand, back woven, double weave

cable-Ø (mm)	pulling force (kN)	breaking load (kN)	L^1 (mm)	L^2 (mm)	D*	weight (kg)	art.-no.
8 - 10	4,5	13,5	500	650	14	0,25	109521-1
10 - 15	5,6	16,7	500	670	16	0,25	109522-1
15 - 20	5,6	16,7	500	720	18	0,25	109523-1
20 - 25	6,8	20,3	500	750	18	0,27	109524-1
25 - 30	11,1	33,3	500	750	20	0,27	109525-1
30 - 40	11,1	33,3	500	800	24	0,54	109526-1
40 - 50	16,5	49,4	800	1000	24	0,60	109527-1
50 - 60	16,5	49,4	800	1000	24	0,82	109528-1
60 - 70	16,5	49,4	800	1200	24	0,85	109529-1
70 - 90	22,0	65,9	800	1200	28	0,87	109530-1
90 - 110	31,9	95,5	800	1200	28	1,40	109531-1

Hose Securing Grip

Hose Securing Grip, single lateral eye with thimble
high flexible, galvanized steel strand, back woven, double weave

cable-Ø (mm)	pulling force (kN)	breaking load (kN)	L^1 (mm)	L^2 (mm)	D*	weight (kg)	art.-no.
6 - 10	5,0	15,0	600	740	14	0,20	109400
10 - 15	6,2	18,6	600	740	16	0,20	109401
15 - 20	6,2	18,6	600	780	18	0,20	109402
20 - 25	7,5	22,6	600	800	18	0,22	109403
25 - 30	12,3	37,0	600	800	20	0,22	109404
30 - 40	12,3	37,0	600	820	24	0,38	109405
40 - 50	18,3	54,9	600	850	24	0,64	109406
50 - 60	18,3	54,9	600	880	24	0,87	109407
60 - 70	18,3	54,9	600	930	24	0,90	109408
70 - 90	24,4	73,2	600	960	28	0,96	109409
90 - 110	35,4	106,1	600	1000	28	1,30	109410

Hose Securing Grip

Hose Securing Grip, double eye with thimble
high flexible, galvanized steel strand, back woven, double weave

cable-Ø (mm)	pulling force (kN)	breaking load (kN)	L^1 (mm)	L^2 (mm)	D*	weight (kg)	art.-no.
6 - 10	5,0	15,0	600	740	14	0,25	109420
10 - 15	6,2	18,6	600	740	16	0,25	109421
15 - 20	6,2	18,6	600	780	18	0,25	109422
20 - 25	7,5	22,6	600	800	18	0,27	109423
25 - 30	12,3	37,0	600	800	20	0,27	109424
30 - 40	12,3	37,0	600	820	24	0,54	109425
40 - 50	18,3	54,9	600	850	24	0,60	109426
50 - 60	18,3	54,9	600	880	24	0,82	109427
60 - 70	18,3	54,9	600	930	24	0,85	109428
70 - 90	24,4	73,2	600	960	28	0,87	109429
90 - 110	35,4	106,1	600	1000	28	1,40	109430

D* = inner diameter of thimble

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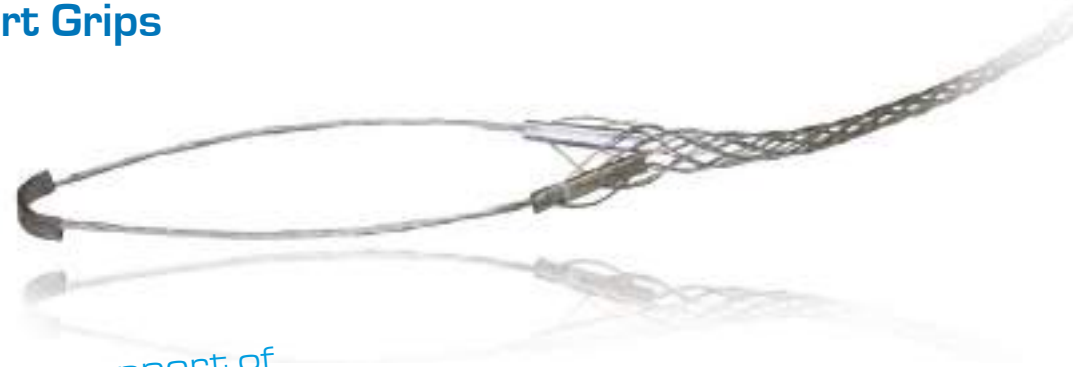
KATIMEX®
CABLING ENABLED

Cable Support Grips



for permanent support of
suspended cables and lines

Cable support grips are used for laying and supporting cables in both **stationary** and **mobile** installations.

In contrast to traditional cable fixing devices, cables with cable support grips can be **secured quickly and simply**. The grips can be used to **guide cables over large vertical distances** and can **safely support heavy cables** due to the design and the **high quality** of raw materials used during manufacture.

Typical areas of application for cable support grips are power supply on construction sites, installations in lift shafts or aerial systems.
Special designs are also available for installation of cables in towers and wind power systems.

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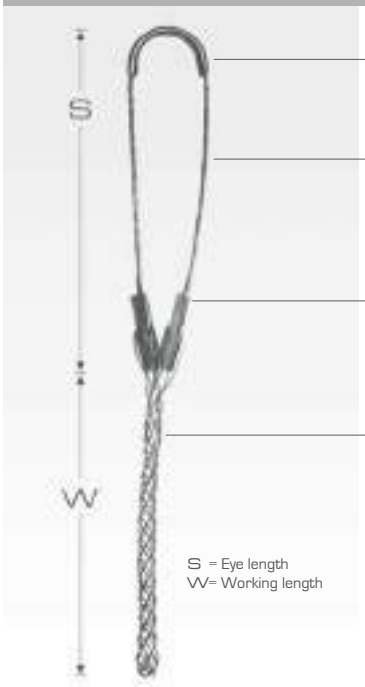
KATIMEX®
CABLING ENABLED

Product Information

Cable Support Grips

Technical Data:



Solid eye assemblies provide eye reinforcement at support hardware.

4 different eye styles are available (q.v. ill. eye arrangements).

The strand equalizer positions wires for equal loading throughout the entire grip length.

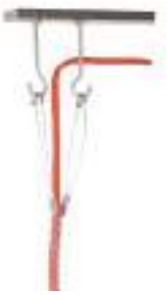
The tension is transferred uniformly over the entire length of the mesh. This avoids a concentrated load and helps prevent breakage and damage of the grip.

The **working length** also referred to as **nominal length** is the effective length of the mesh to the cable using a medium cable diameter (square mesh).

The ends of the cable grips are not soldered or pressed. Instead they are woven back to the beginning of the cable grip and therefore minimizes the risk of injury for human as well as for cable.

Eye Styles:


single eye


double eye


offset eye


universal eye

Material/Characteristics/Applications:

For the manufacture KATIMEX® uses only high-class materials of European production.

galvanized steel strand

- suitable for normal climatic conditions
- special designs for higher breaking loads

stainless steel (1.4001, DIN 17440)

- for applications in the chemicals industry, in oil refining, under water, in food industry etc.
- approx. 10% reduced breaking load

synthetic (Kevlar)

- for special applications, requiring insulation

Load limits:

KATIMEX® **Cable Support Grips** suit a wide range of applications.
It is important that you attend to the permitted load limits and different appropiate safety factors if necessary.

The **Practical breaking load** is an average value, determined by tests in our own manufacturing facility.

The indicated **Pulling force for KATIMEX® Cable Support Grips** is the practical breaking load with a **safety factor of 2**.

Please note that every application additionally is affected by different factors (tension, abrasion, etc.).
Therfore always check your cable grips for damages before using.

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Cable Support Grips

single eye

galvanized steel
also available with increased breaking load
handwoven
available in stainless steel

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	working length (mm)	eye length (mm)	art.-no.
4 - 6	1.4	0.7	90	100	108350
6 - 8	2.1	1.0	90	130	108351
8 - 10	3.4	1.7	130	130	108352
10 - 13	3.4	1.7	130	140	108353
13 - 16	3.4	1.7	180	180	108354
16 - 20	6.8	3.4	245	180	108355
20 - 25	8.2	4.1	260	180	108356
25 - 30	11.8	5.9	330	220	108357
30 - 38	11.8	5.9	330	240	108358
38 - 45	11.8	5.9	370	280	108359
44 - 52	15.6	7.8	370	360	108360
50 - 65	22.0	11.0	490	360	108361
64 - 77	22.0	11.0	490	360	108362
76 - 90	55.0	27.5	490	450	108363
89 - 102	55.0	27.5	510	450	108364

double eye

galvanized steel
also available with increased breaking load
handwoven
available in stainless steel

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	working length (mm)	eye length (mm)	art.-no.
10 - 13	3.4	1.7	130	100	108370
13 - 17	3.4	1.7	180	130	108371
16 - 20	6.8	3.4	245	130	108372
20 - 25	8.2	4.1	260	135	108373
25 - 30	11.8	5.9	330	160	108374
30 - 38	11.8	5.9	330	180	108375
38 - 45	11.8	5.9	370	180	108376
44 - 52	15.6	7.8	370	180	108377
50 - 65	22.0	11.0	490	220	108378
64 - 77	22.0	11.0	490	220	108379
76 -89	55.0	27.5	490	220	108380
89 - 102	55.0	27.5	510	220	108381

offset eye

galvanized steel
also available with increased breaking load
handwoven
available in stainless steel

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	working length (mm)	eye length (mm)	art.-no.
10 - 13	3.4	1.7	130	100	108390
13 - 16	3.4	1.7	180	130	108391
16 - 20	6.8	3.4	245	130	108392
20 - 25	8.2	4.1	260	135	108393
25 - 30	11.8	5.9	330	160	108394
30 - 38	11.8	5.9	330	180	108395
38 - 45	11.8	5.9	370	180	108396
44 - 52	15.6	7.8	370	180	108397
50 - 65	22.0	11.0	490	220	108398
64 - 77	22.0	11.0	490	220	108399
76 - 90	55.0	27.5	490	220	108400
89 - 102	55.0	27.5	510	220	108401

universal eye

with locking bale
galvanized steel
also available with increased breaking load
handwoven
available in stainless steel

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	working length (mm)	eye length (mm)	art.-no.
10 - 13	3.4	1.7	130	100	108405
13 - 16	3.4	1.7	180	130	108406
16 - 20	6.8	3.4	245	130	108407
20 - 25	8.2	4.1	260	135	108408
25 - 30	11.8	5.9	330	160	108409
30 - 38	11.8	5.9	330	180	108410
38 - 45	11.8	5.9	370	180	108411
44 - 52	15.6	7.8	370	180	108412
50 - 65	22.0	11.0	490	220	108413
64 - 77	22.0	11.0	490	220	108414
76 - 90	55.0	27.5	490	220	108415
89 - 102	55.0	27.5	510	220	108416

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KATIMEX®
CABLING ENABLED

Cable Grips

for fibre optical cables

designed for use
with fibre optical cables

The use of fibre optical cables is increasing all the time for laying communication lines.
Special pulling aids are required to be able to prevent damage being caused to the sensitive lines during cable laying.

Cable grips for fibre optical cables from KATIMEX® are made from highly flexible strands.
The multiple grading of the mesh guarantees a uniform transfer of tension to the cable over the entire working length **without causing any damage** to it.

For certain fibre optical cables only a small part of the tension may be transferred to the cable coating.
The greater part of the tension is transferred to a central metallic tension relief.

The different guide heads for fibre optical cables with central metallic tension relief elements has been **authorised by German Telekom** for the laying of such cables.

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Cable Grips

Cable Grip with single eye

Cable grip for fibre optical cables, single eye
high flexibility, galvanized steel strand, back woven, double weave
max. permitted load with a safety factor of 2

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	working meshlength (mm)	weight (kg)	art.-no.
6 - 12	5.6	2.8	490	0.10	108170
12 - 19	8.4	4.2	490	0.15	108171
19 - 25	11.2	5.6	490	0.20	108172

Cable Grip with double eye

Cable grip for fibre optical cables, double eye
high flexibility, galvanized steel strand, back woven, double weave
max. permitted load with a safety factor of 2

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	working meshlength (mm)	weight (kg)	art.-no.
6 - 12	5.6	2.8	490	0.10	108173
12 - 19	8.4	4.2	490	0.15	108174
19 - 25	11.2	5.6	490	0.20	108175

Guide head set

Guide head set for fibre optical cables with centric metallic tension relief elements
10 guide heads, 2 swivels, 2 hexagon socket screws

cable-Ø (mm)		weight	dimensions of guide heads		art.-no.
min.	max.	kg	Ø (mm)	length (mm)	
9.6	11.1	0.08	16.0	93.3	107210
11.2	12.7	0.09	19.1	123.8	107211
12.7	14.1	0.10	19.1	123.8	107212
14.1	15.7	0.12	19.2	123.8	107213
15.7	17.3	0.18	22.3	127.0	107214
17.3	18.9	0.24	22.3	127.0	107215
18.9	20.5	0.32	25.4	130.2	107216
20.5	21.5	0.36	25.5	130.2	107217
20.5	23.1	0.39	28.7	133.4	107218
23.1	24.7	0.40	28.7	133.4	107219
24.7	26.3	0.41	31.9	134.9	107220
26.3	27.8	0.42	31.8	106.5	107221

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KATIMEX®
CABLING ENABLED

Cable Grips

for overhead cabling

a wide range of different types
and eye arrangements

Health and safety requirements are vitally important in overhead cabling. Due to their special construction the cable grips for overhead cables from KATIMEX® represent the **ideal solution for this application**.
Extensive tests in a recognized test centre confirm that the grips meet and exceed health and safety legislation.
The triple weave construction of the cable grip guarantees an **effective gripping action** over the entire working length.
All overhead cable grips are manufactured using **19 strand wire** and aluminium ferrules protect the grip being damaged from the overhead cable.

KATIMEX® cable grips for overhead cabling with braided eyes are very elastically and suited for the transfer of extension pulling force. Their flexibility allows an effortless run over the capstan of overhead or pulling winches. Due to their enormous pulling force they are also suited for Aldrey-ropes.

KATIMEX® Dual-Wire cable grips are designed specifically for extremely high pulling forces.

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Product Information

Cable Grips

Technical Data:

All strands at the beginning of the grip are bound together and pressed together in a ferrule with an eye.

The pressed ferrule is chamfered in the direction of tension to prevent it from snagging.

Aluminium ferrules protect the grip from damage from the overhead cable.

The triple weave construction of the cable grip guarantees an effective gripping action over the entire working length.

triple weave: for max. load and a complete non-positive connection.

double weave: for higher load and building up of a non-positive connection.

single weave: high flexibility for effective load up to the end of the mesh.

The **working length** also referred to as **nominal length** is the effective length of the mesh to the cable using a medium cable diameter (square mesh).

The ends of the cable grips are not soldered or pressed. Instead they are woven back to the beginning of the cable grip and therefore minimize the risk of injury for human as well as for cable.

Load limits:

KATIMEX® **Cable Grips for overhead cabling** suit a wide range of applications.
It is important that you attend to the permitted load limits and different appropiate safety factors if necessary.

The **Practical breaking load** is an average value, determined by tests in our own manufacturing facility.

The indicated **Pulling force for Katimex Cable Grips for overhead cabling** is the **Practical breaking load** with a **safety factor of 3**.

Please note that every application additionally is affected by different factors (tension, abrasion, etc.).
Therfore always check your cable grips for damages before using.

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Cable Grips

Cable Grip

Overhead Cable Grip

high flexibility, galvanized steel strand, triple back weave

max. permitted load with a safety factor of 3

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	working meshlength (mm)	weight (kg)	art.-no.
6.0 - 10.9	22.1	6.0	600	0.45	108338
11.0 - 15.9	45.3	12.0	980	1.10	108339
16.0 - 22.9	78.5	24.5	1200	2.65	108340
23.0 - 27.9	117.2	34.0	1200	2.90	108341
28.0 - 36.0	147.2	49.0	1400	4.60	108342

Cable Grip

Overhead Cable Grip

aluminium ferrule at start of mesh, galvanized steel strand, triple back weave

max. permitted load with a safety factor of 3

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	working meshlength (mm)	weight (kg)	art.-no.
6 - 13	22.5	7.5	700	0.20	108330
12 - 19	33.8	11.2	825	0.40	108331
19 - 25	55.4	18.4	1050	0.80	108332
25 - 32	95.5	31.8	1300	1.46	108333
32 - 38	120.0	40.0	1500	1.90	108334
38 - 48	120.0	40.0	1900	2.10	108335
48 - 63	150.0	50.0	1900	2.20	108336

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Wire and Cable Connector Grips

for a quick & safe connection,
that can be undone again just as quickly

Wire and cable connector grips are used where old wire and cables must be replaced by new ones.

The connection **is made quickly**, and can be undone just as quickly.
Connector grips are excellently suited for e.g. pulling new wire into minings, cranes and aerial railways.

They **speed up the replacement** of old power cables. New lines are connected with old cables and are then pulled through.

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Wire and Cable Connector Grips

Cable Grip

Cable Connector Grip, open ended
galvanized steel strand, back woven

max. permitted load with a safety factor of 2

cable-Ø (mm)	breaking load (kN)	pulling force (kN)	working meshlength (mm)	weight (kg)	art.-no.
8 - 16	15.0	7.5	1200	0.50	108190
10 - 20	18.8	9.4	1200	0.65	108191
20 - 30	54.9	27.4	1200	0.70	108192
30 - 40	54.9	27.4	1200	0.85	108193

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KATIMEX®
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Swivel

Guaranteed anti-torsion
even under maximum load

Swivels are an indispensible aid for **safe and proper** cable laying. They are used both in underground cabling and in overhead cabling.

KATIMEX® swivels are made with **stainless steel** and guarantee a **long working life.**

The use of **double bearings** make it possible to neutralize the torsion as required, **even under maximum tension.**

The slim rounded shape is optimally suited to practical requirements.

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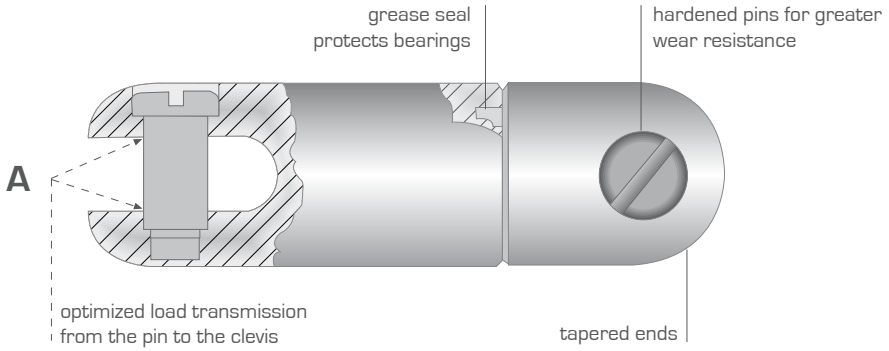
Product Information

Swivel

Technical Information:

Swivels neutralize the twisting motion which arises during cable pulling.

The slim rounded shape is optimally suited to practical requirements.



Swivel

diameter (mm)	A (mm)	length (mm)	max. tension (kN)	breaking load* (kN)	weight (kg)	art.-no.
16	7.1	64	3.3	10.0	0.06	107183
20	8.0	78	5.0	15.0	0.12	107173
22	9.5	86	10.0	30.0	0.15	107174
25	10.3	98	15.6	47.0	0.23	107175
32	13.5	121	22.2	67.0	0.45	107176
35	14.3	130	31.1	93.0	0.63	107177
38	15.1	143	40.0	120.0	0.77	107184
41	17.5	152	44.5	133.0	0.95	107181
51	18.9	178	66.7	200.0	1.70	107178
60	26.2	262	110.0	330.0	3.50	107182
76	30.2	349	222.0	667.0	7.70	107179

*max. tension with a safety factor of 3 for horizontal tension

Clevis Pin

for swivel, VE = 2 pcs.

diameter	art.-no.
16 and 20 mm	107168
22 mm	107169
25 mm	107170
32 mm	107171
35 and 38 mm	107172
41 mm	107167
51 mm	107166

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KATIMEX®
CABLING ENABLED

Cable Drum Handling

Drum Lifters

Cable Drum Handling overview

Decoiler for cable drums

Decoiler for cable coils

KATIMEX®
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Drum Lifters

High efficiency with simple, solid technique

KATIMEX® Cable drum lifters offer high performance using simple, reliable technology.

For drum lifting and uncoiling of cable drums up to 10 t and a diameter of max. 3.20 m KATIMEX® offers a complete range of drum lifters.

The KATIMEX® product range covers all of the most frequently used applications from a compact spindle and cable drum lifter to the hydraulic drum lifter, the Hydrokat®.
Our high quality and manufacturing standard is common to all lifting systems.

KATIMEX® also offers a full range of accessories as for example drum axles in tube construction with different lengths and different load capacities. To arrange a complete lifting device two lifters and one suitable axle are required.

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KATIMEX®
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Product Information

Drum Lifters

Technical Information:

KATIMEX® cable drum lifters are designed as robust steel constructions for use on building sites.

	drum-Ø	max load*	hoisting height	height
Cable drum lifter	600-1600 mm	2000 kg	30-40 mm	1010 mm
Hydraulic lifter	1100-1600 mm	4000 kg	100 mm	625 mm
Spindle lifter	1100-1600 mm	4000 kg	355 mm	640 mm
Jack	400-1600 mm	3000 kg	265 mm	705 mm
Jack	800-2600 mm	6000 kg	350 mm	1110 mm
Jack	1200-3000 mm	10000 kg	350 mm	1405 mm
Hydrokat®	800-2200 mm	10000 kg	130 mm	1100 mm
Hydrokat®	800-3000 mm	10000 kg	130 mm	1695 mm
Hydrokat® Mini	500-1100 mm	4000 kg	100 mm	745 mm

* per pair

Cable drum lifter

- Weight only 13 kg/pcs
- 2000 kg load capacity/pair
- Finely stepped height adjustment
- Drums are lifted per easy hand movement

Spindle lifter

- Weight only 13 kg/pcs
- Stable, galvanized construction
- 4000 kg load capacity/pair
- Drums are screwed up to working height in a few moments

Hydraulic lifter

- Stable, galvanized construction
- 4000 kg load capacity/pair
- Drums are easily lifted to working height using the hydraulic jack
- 3-step height adjustable axle bearing

Cable drum jack

- Small cable drum jack with 3 fixed axle bearing boxes
- Large versions with with 11 or 12-step height adjustable axle bearing boxes
- Drums are lifted up to working height using the integrated winch

Hydrokat®

- Height adjustable bearing boxes
- Drums are lifted using the hydraulic jack
- 10000 kg load capacity/pair
- Integrated safety bar avoids unprotected drum release
- Safe lifting with double columns

Hydrokat® Mini

- 4-step height adjustable axle bearing
- Drums are lifted using the hydraulic jack
- 4000 kg load capacity/pair
- portable
- specially designed for small, heavy drums

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Drum Lifters

Spindle lifter

Spindle lifter
stable galvanized construction, hoisting height 355 mm, max. drum-Ø 1600 mm
load capacity/Pair 4000 kg

Floor space 400 mm x 200 mm, height 640 mm - Drum lifting requires 2 pieces

drum-Ø	load capaity	weight	art.-no.
1100-1600 mm	4000 kg/pair	13.0 kg	107015

Cable drum lifter

Hydraulic cable drum lifter
small, portable drum lifter with hydraulic jack
galvanized steel construction, 3-step height adjustment, max. drum-Ø 1600 mm
hydr. hoisting height 100 mm, load capacity/pair 4000 kg

Floor space 400 mm x 200 mm, height 625 mm - Drum lifting requires 2 pieces

drum-Ø	load capaity	weight	art.-no.
1100-1600 mm	4000 kg/pair	16.2 kg	107014

Cable drum lifter

Cable drum lifter
finely stepped height adjustment of axle bearing boxes, notches
galvanized steel construction, max. drum-Ø 1600 mm, hoisting height 30-40 mm
load capacity/pair 2000 kg

Floor space 620 mm x 300 mm, height 1010 mm - Drum lifting requitres 2 pieces

	weight	art.-no.
Left side (Pic.) (User side)	13.5 kg	107050-L
Right side (User side)	13.5 kg	107050-R

Hydrokat®

Hydrokat®
hydraulic cable drum lifter with wheels, moveable
7 or 13-step height adjustment of axle bearing
max. axle-Ø 76 mm, load capacity/pair 10000 kg, hoisting height 130 mm

Floor space 540 mm x 340 mm (540 mm x 455 mm incl. wheels), height 1100 or 1695 mm
Drum lifting requires 2 pieces

drum-Ø	load capaity		weight	art.-no.
800-2200 mm	10000 kg/pair		53 kg	107016
800-3200 mm	10000 kg/pair		63 kg	107017
		Safety bar	4 kg	107020

Hydrokat® plus

Hydrokat® plus with axle support bearing
hydraulic cable drum lifter with wheels, moveable
7 or 13-step height adjustment of axle bearing, support bearing ensures easy axle **rotation**, max. axle-Ø 76 mm, load capacity/pair 10000 kg, hoisting height 130 mm

Floor space 540 mm x 340 mm (540 mm x 455 mm incl. wheels), height 1100 or 1695 mm
Drum lifting requires 2 pieces

drum-Ø	load capaity		weight	art.-no.
800-2200 mm	10000 kg/pair		53 kg	107026
800-3200 mm	10000 kg/pair		63 kg	107027
		Safety bar	4 kg	107020

Recommended accessories for Hydrokat® and Hydrokat® plus:
Adjuster rings and cones - available on request

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KATIMEX®
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Drum Lifters

Hydrokat® Mini

Hydrokat® Mini
portable, hydraulic cable drum lifter
4-step height adjustable axle bearing, max. axle-Ø 76 mm
load capacity/pair 4000 kg, hydr. hoisting height 100 mm

Floor space 400 mm x 200 mm, height 745 mm - Drum lifting requires 2 pieces

drum-Ø	load capacity	weight	art.-no.
500-1100 mm	4000 kg/pair	18.0 kg	107012

Cable drum jack

Cable drum jack
3 fixed axle bearings, moveable, hoisting height 265 mm
Drum-Ø 400-1600 mm load capacity/pair 3000 kg

Floor space 500 mm x 300 mm (incl. wheels 600 mm x 300 mm), height 705 mm
Drum lifting requires 2 pieces

drum-Ø	load capacity	weight	art.-no.
400-1600 mm	3000 kg/pair	38 kg	107001

Cable drum jack

Cable drum jack
11 or 12-step height adjustable axle bearing
rotating head, safety crank, moveable,
hoisting height 350 mm

Floor space 490 mm x 495 mm (incl. wheels 625 mm x 495 mm), height 1110 or 1405 mm
Drum lifting requires 2 pieces

drum-Ø	load capacity	weight	art.-no.
800-2600 mm	6000 kg/pair	64 kg	107003
1200-3000 mm	10000 kg/pair	79 kg	107005

Drum axle

Drum axle
galvanized steel tube

load capacity	length	Ø x W	weight	art.-no.
3000 kg	1500 mm	51 x 10 mm	15.3 kg	107040
8000 kg	1850 mm	76 x 14 mm	41.0 kg	107041
8000 kg	2200 mm	76 x 14 mm	48.0 kg	107042

Axles with bearing seat or floating bearing - on request

Accessories

galvanized steel, fit to above mentioned drum axles

	axle-Ø	weight	art.-no.
Drum clips	51 mm	0.35 kg	107032
Drum clips	76 mm	0.78 kg	107034
with thrust washer	51 mm	0.52 kg	107035
with thrust washer	76 mm	1.00 kg	107036
Adjuster ring	52 mm	0.50 kg	105009
Adjuster ring	77 mm	0.86 kg	105019

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KATIMEX®
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Cable Drum Handling

overview

safe, easy & timesaving decoiling

Wherever cables are layed a **safe, easy and timesaving decoiling** is the minimum requirement for effective and economical work.

As **specialist** and **manufacturer** of cable pulling devices, **Katimex** offers a wide spectrum of drum handling products ranging from **Ring Spoolers** for commonly used cables and wires over **Roller Rails** up to **shaftless handling systems** for easy decoiling of cable drums.

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KATIMEX®
CABLING ENABLED

Decoiler

for cable coils

50 % TIMESAVING

timesaving decoiling of
cable coils without torsion

The **Ringprofi®** is a **2in1** cable decoiler which offers safe handling and easy storage for single wires without torsion.
The patented housing of the Ringprofi® allows both **vertical and horizontal storage** of the units with easy, safe withdrawal of the cable.
The **portable Trolley** can store up to six **Ringprofi®** units.

The **KATIMEX® Ring Decoiler** offers the contractor the **complete solution for handling cable coils down to the last meter of cable**. The separate transporting of a spooler and cable ring is therefore negated. Upright standing cables can be pulled into switch boxes or ceilings without twisting.
The KATIMEX® Ring Decoiler is **especially useful for contractors working alone** laying cables and wires in domestic installations.

The take-up diameter of the **KATIMEX® Cable- and Ringspooler** can be altered according to the inner diameter of the cable coil. Due to the large diameter of the rotating feed plate most commonly used cables and wires in domestic installation can be spooled out.
The feed plate can be adjusted easily either in horizontal or vertical position by means of a stop bolt.

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KATIMEX®
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Product Information

Decoiler for cable coils

Features:

Ringprofi®

- storage of the units with easy and safe withdrawal
- patented, robust housing
- no twisted or curled cables inside
- horizontal or vertical storage
- the take-up diameter can be altered between 80-180 mm

Cable- and Ringspooler

- cables and wires can be fed straight or from spool into the duct
- galvanized, light running feeding plate with bush bearing
- four adjustable supporting bars on the rotating feeding plate lock the cable into position

Ring Decoiler

- complete solution for handling cable coils down to the last meter of cable
- suitable for use as transport unit
- for horizontal or vertical use
- fast coiling crank-handle
- take-up diameter can be altered according to the inner diameter of the cable coil

Portable Trolley for max. 6 Ringprofi® units

- easy handling
- collapsible
- units can be demounted independently of each other
- also suitable for the transport of other tools

Our recommendation:

Cable Length Measuring Device

with retaining jig for universal fixing
Art.-Nr. 107254

UNIVERSALLY USABLE

different formulations available designed to match the type of application

Cable length measuring devices can be used in all areas of the cable laying or cable management industry. KATIMEX® cable length measuring devices can be prepared for use without much effort. After zeroing the counter the cable or wire to be measured can be pulled through the counter straight and equally.

The measuring device can be fitted quickly and easily to shop counters, workbenches or cable shelves by means of the fastening system. It can also be attached to KATIMEX® decoiling devices.

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Decoiler for cable coils

Ringprofi®

Ringprofi® Duo cable decoiler
robust nylon frame, horizontal or vertical storage with safe and easy withdrawal
for wires up to max. Ø 10 mm

dimensions 335 mm x 335 mm x 280 mm

coil-Ø ext. max.	coil-Ø int. min/max.	coil size (max.)	weight	art.-no.
295 mm	80/180 mm	80 mm	2.8 kg	107110

Ringprofi® Trolley

Ringprofi® portable Trolley
for max. 6 Ringprofi® units

	weight	art.-no.
	18.0 kg	107115

Cable- & Ringspooler

Cable - & Ringspooler
for cables up to max. Ø15 mm, galvanized steel construction, can be disassembled
soil proof bush bearings, adjustable supporting bars for fixing of the cable coil
optional with cable length measuring device

dimensions 940 mm x 650 mm x 720 mm / packaging 680 mm x 630 mm x 185 mm

	weight	art.-no.
	9.5 kg	107130
with cable length measuring device	10.8 kg	107131

Length measuring device

Length measuring device
complete with retaining jig for use with KATIMEX® Cable- & Ringspooler

dimensions 400 mm x 240 mm

cable-Ø	weight	art.-no.
2-20 mm	1.3 kg	107129

Ring Decoiler

Ring Decoiler
with crank-handle for fast coiling, easy transportation of cable coils
safe and easy decoiling for horizontal or vertical use

dimensions 570 mm x 460 mm x 400 mm

	weight	art.-no.
	7.7 kg	107133

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KATIMEX®
CABLING ENABLED

Decoiler

for cable drums

optimal solutions for
easy & safe decoiling

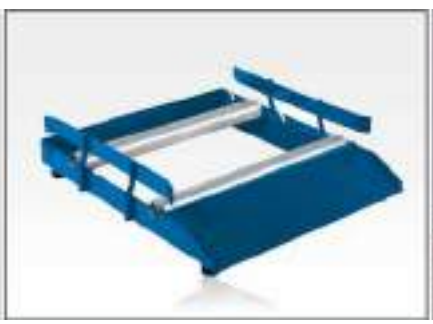
As **specialist** and **manufacturer** of cable pulling devices, KATIMEX® offers a **wide range of drum handling products, drum storage systems** and **measuring tools** for small and medium cable drums.

KATIMEX® Roller Rails are manufactured from welded aluminium section and provide easy and **safe handling of heavy cable drums** (up to 1 tonne). In the larger version the rollers are manufactured using aluminium alloy and are fitted with **dust and soil proof bearings** to ensure an even and **efficient operation**.

The drum is rolled onto the rails over the flat bevelled end and the rollers can be locked for removal of the cable drum. The **rollers can be adjusted when using smaller diameter drums**. When working exclusively with small diameter drums the practical **Mini Roller Rails** can be used.

The **KATIMEX® Decoiler for disposable cable drums** is designed for the easy and safe decoiling of cables from damaged cable drums. With this decoiler cable drums up to 800 mm diameter and a weight of 200 kg can be loaded, moved and decoiled by a single person.

The sturdy and robust **Cable Drum Decoiler** is manufactured with a powder coated steel frame which guarantees **durability** and **long life** for this **maintenance free** decoiling device.



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Decoiler for cable drums

Roller Rails

Roller Rail, aluminium
for small and medium-sized cable drums, aluminium body
rollers made of aluminium alloy, ball bearing, adjustable roller spacing
two rollers are required for a set

dimensions 1000 mm x 220 mm x 140 mm

max. drum-Ø	ultimate load	weight	art.-no.
1200 mm	1000 kg/set	8.2 kg	107019

Mini Roller Rails

Mini Roller Rails
for small cable drums, aluminium body, synthetic rollers
skid-proof rubber feet, adjustable roller spacing
two rollers are required for a set

dimensions 590 mm x 120 mm x 152 mm

max. drum-Ø	ultimate load	weight	art.-no.
800 mm	200 kg/set	2.1 kg	107025

Decoiler

Decoiler
for disposable drums and drums with damaged tread
for easy loading and decoiling by only one person
max. drum-Ø 800mm, max. load capacity 200 kg, collapsible

dimensions 980 mm x 800 mm x 200 mm folded

type	weight	art.-no.
Decoiler complete (107272 & 107273 included)	14.0 kg	107270
Decoiler basic device	11.6kg	107271
Option length measuring device	0.8 kg	107272
Option 2. drum axle	1.6 kg	107273

Cable Drum Decoiler

Cable Drum Decoiler
with lateral support, for shaftless decoiling of cable drums
adjustable roller spacing, carrying handle

dimensions small 120 mm x 600 mm x 635 mm / large 160 mm x 750 mm x 780 mm

max. drum-Ø	ultimate load	weight	art.-no.
700 mm	200 kg/set	14.0 kg	107134
1000 mm	700 kg/set	26.0 kg	107135

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KATIMEX®
CABLING ENABLED

Cable Guiding Equipment

Cable Guide Systems

In trenches

In manholes

Manhole cable guide bow and accessories

Manhole Cover Lifters

KATIMEX®
CABLING ENABLED

Cable management systems

Cable tray rollers

Fast & Safe solution for cable trays

Cable laying in commercial and industrial facilities, refineries, sewer system or tunnels often places high demands on workers and equipment. For this kind of cable laying technique, KATIMEX® offers a robust and effective solution to guide cables through cable ducts from different manufacturers.

The cable tray rollers from Katimex are specifically designed for this purpose and guarantee fast and smooth cable laying. Thanks to the comprehensive range of accessories the mounting in and around cable trays is made easy. The ball bearing cable tray rollers are made of galvanized steel and are therefore very robust.

Different sizes of the rollers also enable even extremely heavy and thick cables to be pulled with ease. Even small bending radius are possible by using the 5th roller. Clamp and wall brackets as well as horizontal and vertical traverse tubes complete the whole range of Katimex cable tray rollers, for the best possible flexibility.

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Cable tray rollers

Cable tray roller RFK

4 highly robust, thick-walled steel tubes. With multi-functional bracket for mounting on cable ducts, T-beams or tubes. Rotatable 4th roller allows insertion of the cable via quick release feature. Prepared for a 5th roller. Powder-coated frame.

Designation	Load capacity	Cable ø max.	Weight	Art.No.
Cable tray roller RFK 55	60 kg	55 mm	2,5 kg	105110
Cable tray roller RFK 90	60 kg	90 mm	3,0 kg	105140
Cable tray roller RFK 140	60 kg	140 mm	3,5 kg	105160

Traverse with holder RFK

Multi-functional mounting on cable trays of 80-500 mm width. Standard fitting with traverse holder. For use with cable tray rollers type RFK 55, 90, 140. Fully adjustable positioning with clamp screw.
Powder-coated frame.

Dimensions 500 x 300 x 100 mm

Designation	Load capacity	Weight	Art.No.
Traverse RFK	150 kg	2,5 kg	105158

Wall brackets RFK

Steel wall brackets for mounting all Katimex cable tray rollers on walls or any other kind of carrier. Robust clamp screw for exact placement of the cable tray roller. Galvanized surface.

Dimensions: 320 x 140 x 120 mm

Designation	Load capacity	Weight	Art.No.
Wall brackets RFK	150 kg	2,5 kg	105156

Traverse tube with holder RFK

For pulling cable on two level cable trays. The traverse tube connects both trays and thus enables a stable mounting of the cable tray rollers. Incl. traverse holder. Galvanized surface.

Dimensions: 500 x 80 x 80 mm

Designation	Load capacity	Weight	Art.No.
Traversenrohr mit Halter RFK	150 kg	2,0 kg	105159

5th roller for cable tray roller RFK

To expand the bending radius from 15 to 50mm. Fits all Katimex cable tray rollers of the RFK family. Powder-coated frame.

Designation	Load capacity	Weight	Art.No.
5th roller for cable tray roller RFK 55	60 kg	0,3 kg	105111
5th roller for cable tray roller RFK 90	60 kg	0,4 kg	105141
5th roller for cable tray roller RFK140	60 kg	0,5 kg	105161

Clamp bracket for RFK

For multi-functional mounting of cable trays. Incl. traverse holder. For cable tray roller RFK 55, 90, 140. Fully adjustable clamp screw. Powder-coated frame.

Dimensions: 160 x 120 x 70 mm

Designation	Load capacity	Weight	Art.No.
Clamp bracket universal RFK	150 kg	1,0 kg	105155

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KATIMEX®
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Cable Guide Systems

Rollers for cable trays

safe, easy & timesaving solutions

Cable placing **in residential,** commercial, and industrial facilities often place high demands on workers and equipment. KATIMEX® **rollers for cable trays** offer users the **best solution for installing cables quickly and safely.**

These rollers are designed to ensure cable installation in the **shortest time** and with minimum pulling loading. Possibility of accidents and physical damage is, therefore, reduced.

A full range of accessories is available to accommodate any needed mounting position or differences in height.

Rollers are available in **plastic with slide bearings or zinc coated steel with ball bearings.** Both types can be mounted with safety using the different fixing accessories, there is also a wall fixing available.

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KATIMEX®
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Product Overview

Cable Guide Systems

Traverses

The **traverse fitting** is available in two forms

- for the steel cable tray rollers
- for the plastic cable tray rollers

The fitting ensures the safe mounting of the cable tray roller onto two cable trays that are fixed on top of the other. Height differences of the existing cable trays can be accommodated easily and safely.

Fixing Advantages:

The KATIMEX® product range for cable guiding systems offers the user a number of advantages.

On cable trays, which are often difficult to reach, they ensure a time saving and safe placement.

Choosing the correct fixing from the full range of accessories, even the most difficult and complex cable laying situation can be effectively resolved.

Thanks to the well considered fixing possibilities KATIMEX® cable tray rollers can be fixed anywhere, also on T-carriers.

As to the rich accessories the use of cable tray rollers is possible also outside cable trays.

Multifunctional fixing
For the universal fixing of the cable roller "steel" to the mostly used cable trays, T-carrier etc.

Wall fixing
With the wall fixing the rollers can be fixed in cable ducts.
The roller is quick and easily dismounted with butterfly screws.

"one hand" fixing system
For a quick, turnable and safe fixing above cable trays.
For cable tray height up from 40 mm to 80 mm. Max. length 130 mm (mounted)
Optional to cable tray roller "plastic"

Features

Roller, steel 80 mm	Roller, plastic 50 mm	Roller, plastic 100 mm
• zinc coated steel roll • ball bearing mounted • optional 4th roll • optional different fixing possibilities	• weather resistant plastic roll • slide bearing • optional 4th roll • incl. fixing material	• weather resistant plastic roll • slide bearing • optional 4th roll swiveling • incl. fixing material

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Cable Guide Systems

Cable tray roller

Cable tray roller steel, 75 mm
3 roller system, width of roll 130 mm, dia. 30 mm
Fixing of the 4th roll by 2 butterfly screws
Without fixing material
dimensions 220 mm x 165 mm x 55 mm

	cable-Ø max.	weight	art.-no.
3 roller system	75 mm	1.30 kg	105240
4th roll	75 mm	0.30 kg	105241
Traverse, 550 mm		1.15 kg	105247

Fixing Clamp

Fits to cable tray roller 75 mm, steel
For universal fixing to the most used cable tray,
T-profiles, etc. and for fixing outside of cable tray.

	weight	art.-no.
Universal fitting	0.35 kg	105245
Wall fitting	0.45 kg	105246

Cable tray roller

Cable tray roller 50 mm, plastic
3 roller system, width of roll 100 mm,
Fixing of the 4th roll by a star handle screw
Incl. fixing clamp
dimensions 210 mm x 140 mm x 80 mm

	cable-Ø max.	weight	art.-no.
3 roller system	50 mm	1.30 kg	105210
4th roll	50 mm	0.40 kg	105211

Cable tray roller

Cable tray roller 100 mm, plastic
3 roller system, width of roll 140 mm
Fixing of the 4th roll by a star handle screw
Incl. fixing material
dimensions 290 mm x 200 mm x 90 mm

	cable-Ø max.	weight	art.-no.
3 roller system	100 mm	2.65 kg	105220
4th roll	100 mm	0.55 kg	105221
Traverse, 550 mm		2.30 kg	105225

Quick connector

"one hand" fixing for quick, turnable and safe fixing of the cable tray roller, plastic,
For cable trays from 40 mm up to 80 mm
Max. length 130 mm (mounted)

	weight	art.-no.
	0.25 kg	105215

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Cable Guide Systems

Cable tray roller

50 mm, light duty
1 roll system, width of roll 100 mm
dimensions 200 mm x 140 mm x 85 mm

cable-Ø max.	weight	art.-no.
50 mm	1.30 kg	105200

Cable tray roller

40 mm, aluminium
4 roller system, width of roll 70 mm (without fixing material)
dimensions 220 mm x 160 mm x 55 mm

cable-Ø max.	weight	art.-no.
40 mm	1.70 kg	105250
Mounting bracket for cable tray roller	0.40 kg	105251

Guiding bow

Guiding bow for cable trays.
Zinc coated steal frame with 4 ball bearing mounted plastic rolls.
90° bow with 400 mm radius and 320 mm floor space.

cable-Ø max.	weight	art.-no.
80 mm	8.00 kg	105230

KSW-E

KSW-E Electric capstan winches
KATIMEX® Electric Capstan Winches are specifically designed to be fixed and used in different working positions to give different pulling directions.
Usage is simple, safe and practical, even when used under limited working space such as an industrial plant. The extension side plates are removable.
Here also the multiple fixing possibilities increase the safety especially if the winch cannot be placed as requested.
dimensions 608 mm x 376 mm x 400 mm

type	engines	pulling force	weight	art.-no.
KSW-E 500	0.55 KW	2.5 / 5,0 kN	34 kg	105510
KSW-E 800	1.10 KW	4.0 / 8,0 kN	38 kg	105511

Polyester Ropes

Polyester Ropes
high load capacity, ductile polyester ropes, 16-times (8 and 12 mm) or 20-times (16 mm) woven. Eyelets on both sides.
Other lengths on request

type	length	rope-Ø	breaking load	weight	art.-no.
PFS 8-250	250 m	8 mm	15.5 kN	12.2 kg	105652
PFS 12-250	250 m	12 mm	24.0 kN	32.7 kg	105656

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KATIMEX®
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Cable Guiding Equipment

in trenches

efficient and safe
cable guiding in trenches

Power and communication cables are often laid in open trenches where the road and ground conditions result **in the cable route having a number of curves**. With the cable's **own weight** and the **high tensions** involved the cable cannot be fed cleanly. For this reason **suitable cable guiding devices are recommended**.

For this field of application **KATIMEX® offers a fully comprehensive range of ground cable rollers and protection systems**.

The **ground cable rollers** and **corner cable rollers** from KATIMEX® have abrasion resistant **aluminium alloy rollers** which run on **maintenance free** dirt and dust-proof bearings.
The sturdy and robust steel frames are completely galvanized and guarantee a **long working life** even under extreme conditions.

As a **cost efficient** option to the aluminium rollers KATIMEX® offers **rollers made of steel and synthetic**. These units are **light weight** and **easily and safely stacked** for transportation.

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Cable Guiding Equipment

Ground Cable Roller

Ground Cable Roller, aluminium
abrasion resistant aluminium rollers, galvanized steel tube frame
dust- and soil proof ball bearings, large ground clearance
dimensions 300 mm x 210 mm x 260 mm

cable-Ø max.	weight	art.-no.
140 mm	4,1 kg	105060

Ground Cable Roller

Ground Cable Roller, steel
abrasion resistant steel rollers, galvanized steel tube frame
dust- and soil proof ball bearings, large ground clearance
dimensions 300 mm x 240 mm x 250 mm

cable-Ø max.	weight	art.-no.
160 mm	4,0 kg	105061

Ground Cable Roller

Ground Cable Roller, synthetic
non-aging and weatherproof, extreme light weight, highly shock-resistant
stackable, large ground clearance, for cables up to Ø 100 mm
dimensions 270 mm x 220 mm x 200 mm

cable-Ø max.	weight	art.-no.
100 mm	1,7 kg	105062

Ground Cable Roller

Ground Cable Roller, with base plate
stable Ground Cable Roller, galvanized steel tube frame,
ball beared synthetic roller, for cables up to Ø 200 mm
dimensions 300 mm x 270 mm x 260 mm

cable-Ø max.	weight	art.-no.
200 mm	4.4 kg	105064

Corner Cable Roller

Corner Cable Roller, aluminium
three abrasion resistant aluminium alloy rollers, dust- and soil proof ball bearings
quick clutch system (for fast connecting of two or more elements
no additional fixing needed)
dimensions 450 mm x 270 mm x 300 mm

cable-Ø max.	weight	art.-no.
110 mm	13.8 kg	105050

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Cable Guiding Equipment

Corner Cable Roller

Corner Cable Roller, steel

three abrasion resistant steel alloy rollers, dust- and soil proof ball bearings
clutch system with fastening spikes (for connecting of two or more elements for ideal cable guiding)

dimensions 450 mm x 270 mm x 310 mm

cable-Ø max.	weight	art.-no.
140 mm	10,4 kg	105051

Cable Guiding Frame

Cable Guiding and Run-off Frame

provides the central feeding of the cable from the drum to the roller system
two steel rollers with ball bearings, robust steel construction, collapsible

dimensions 1200 mm x 400 mm x 400 mm / 680 mm x 460 mm x 400 mm

width running thread	weight	art.-no.
1000 mm	13,8 kg	107024

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KATIMEX®
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Cable Guiding Equipment

manhole cable guide bow & accessories

safe cable guiding over the edge
of the manhole into the conduit

When cables are being laid, particularly in built up urban areas, the cable is fed from the cable drum into the underground conduit system passing over edges.
This would inevitably cause damage to the cable coating unless **appropiate auxiliary devices** are used.

KATIMEX® Manhole Cable Guide Bows and pulley sets have been **specifically designed** for this application and enable the cable to be fed from the drum into the conduit without friction and kinks. By using these items the cable coating and winching wire is preserved and the power required for winching is reduced.

The **Cable Guiding and Run-off Frame** is designed to provide central feeding of the cable from the drum. Positioned between the manhole and the cable drum the **cable runs** automatically to the centre over two angled steel rollers. The **robust steel construction** can be folded together to enable easy and safe transportation.

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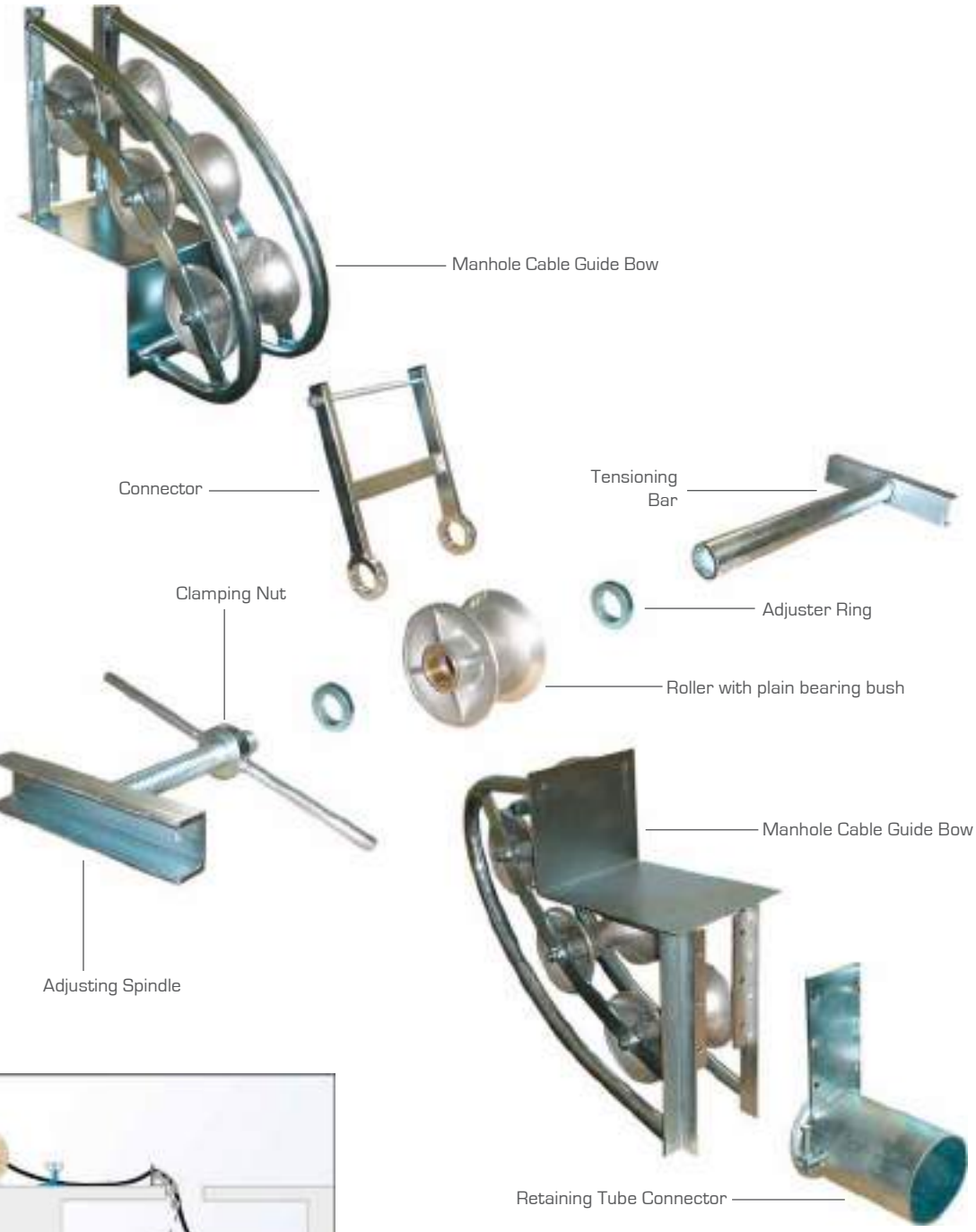
Product Information

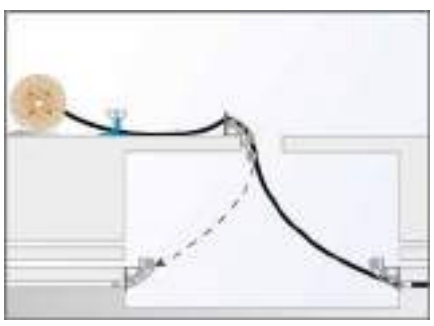
Cable Guiding Equipment

Technical Information:

Manhole cable guide bows, pulleys and **tensioning bars** are all constructed from robust steel. They are all completely galvanized and have **long working lives even under tough conditions**. The rollers are made of particularly abrasion-resistant aluminium alloy and run on maintanance free **dirt and soil proof ball bearings**.

Tensioning bars are available in **various lengths** for the different manhole sizes. The guide bow can therefore be moved to various positions.





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Cable Guiding Equipment

Cable Guiding Frame

Cable Guiding and Run-off Frame
provides the central feeding of the cable from the drum to the roller system
two steel rollers with ball bearings, robust steel construction, collapsible
dimensions 1200 mm x 400 mm x 400 mm / 680 mm x 460 mm x 400 mm

width running thread	weight	art.-no.
1000 mm	13.8 kg	107024

Manhole Cable Guide Bow

Manhole Cable Guide Bow
galvanized steel frame with abrasion-resistant aluminium alloy rollers
dust and soil proof bearings
bow radius 700 mm
dimensions 700 mm x 380 mm x 210 mm

cable-Ø max.	weight	art.-no.
120 mm	11.8 kg	105002

Pulley Set

Pulley Set
including adjusting spindle , clamping nut with two adjuster rings, roller with plain bearing bush, four tensioning bars 300, 520, 740, 960 mm,
aluminium alloy roller , other parts galvanized steel.

cable-Ø max.	weight	art.-no.
120 mm	34 kg	105003

Connector

Connector for Manhole Cable Guide Bow and Pulley Set
galvanized steel

	weight	art.-no.
	1.9 kg	105022

Manhole Cable Guide Bow

Manhole Cable Guide Bow and Pulley Set
complete unit comprising art.-no. 105002, 105003 and 105022

cable-Ø max.	weight	art.-no.
120 mm	59 kg	105001

Adjuster Ring

Adjuster Ring
galvanized steel
width 18 mm

internal-Ø	width	weight	art.-no.
52 mm	18 mm	0.5 kg	105009

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Cable Guiding Equipment

Adjusting Spindle

Adjusting Spindle
galvanized steel, length 300 mm

	weight	art.-no.
adjusting spindle with clamping nut	5.2 kg	105010
adjusting spindle, single	4.1 kg	105011
clamping nut	0.9 kg	105012

Tensioning Bar

Tensioning Bar
for use with adjusting spindle and clamping nut, galvanized steel

Span	length	weight	art.-no.
420 - 640 mm	76 - 92 mm	4.0 kg	105004
640 - 860 mm	90 - 114 mm	5.0 kg	105005
860 - 1080 mm	115 - 132 mm	6.0 kg	105006
1080 - 1300 mm	140 - 165 mm	7.4 kg	105007
Extension galvanized steel	800 mm	5.0 kg	105013

Aluminium Pulley

Aluminium Pulley
abrasion resistant aluminium alloy with gunmetal bush

roller-Ø ext.	roller-Ø int.	width	weight	art.-no.
195 mm	51.4 mm	120 mm	3.0 kg	105008

Retaining Tube Connector

Retaining Tube Connector
for fixing of the manhole guide bow in the conduit, galvanized steel,
complete with screw set for attaching to the manhole cable guide bow.

nominal width	weight	art.-no.
DN 100	3.5 kg	105014
DN 150	3.7 kg	105015

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Cable Guiding Equipment

in manholes

gentle and controlled
cable guiding in manholes

When feeding cable from a cable drum into an underground conduit system it would need to **pass over the edge** of the manhole into the conduit. This could cause considerable damage to the cable coating unless **suitable guiding equipment** is used. Also unless guiding equipment is used the **winching tensions are difficult to regulate** and there could be **possible safety risk for the installation contractors**.

KATIMEX® Manhole Cable guide bows and **pulley sets** are **specifically designed** for this application: they enable the cable to be fed from the drum into the conduit **without a minimum of friction** and **without kinks**. The cable coating and the winching rope are preserved and the **power required for winching is reduced**.

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Cable Guiding Euipment

Manhole Border Roller

Manhole Border Cable Roller
can be set up at the edge of the manhole, robust, galvanized steel construction
abrasion resistant aluminium alloy roller, slewable in all directions
dimensions 300 mm x 200 mm x 230 mm

cable-Ø max.	roller-Ø ext.	roller-Ø int.	weight	art.-no.
120 mm	195 mm	105 mm	4.1 kg	105070

Cable Protection Bend

Tilting Cable Protection Bend
for fixing on the edge of the manhole, robust, galvanized steel construction
dimensions 540 mm x 200 mm x 275 mm

nominal width	weight	art.-no.
DN 100	4.7 kg	103225

Cable Protection Bend

Cable Protection Bend
robust, galvanized steel construction
dimensions 540 mm x 120 mm x 200 mm

nominal width	weight	art.-no.
DN 100	2.1 kg	103227

Cable Protection Bend

Cable Protection Bend with handle
robust, galvanized steel construction
dimensions 540 mm x 120 mm x 200 mm

nominal width	weight	art.-no.
DN 100	2.4 kg	103224

Cable Protection Bend

Cable Protection Bend with handle and stop
robust, galvanized steel construction
dimensions 540 mm x 120 mm x 200 mm

nominal width	weight	art.-no.
DN 100	2.4 kg	103222

Cable Protection Bend

Two-part Cable Protection Bend
with long socket, can be clamped in conduit, galvanized steel construction

nominal width	length	weight	art.-no.
DN 28	535 mm	0.6 kg	103245
DN 35	530 mm	0.8 kg	103246
DN 40	430 mm	0.7 kg	103247
DN 100	350 mm	3.3 kg	103238

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Cable Guiding Equipment

Cable Socket

2-part Cable Socket
straight version, clampable, galvanized steel, length 230 mm

nominal width	duct-Ø	weight	art.-no.
DN 80	76 - 92 mm	1.5 kg	103232
DN 100	92 - 114 mm	1.8 kg	103233
DN 120	115 - 132 mm	2.7 kg	103234
DN 150	140 - 165 mm	3.4 kg	103235

Cable Socket

2-part Cable Socket with protection rollers
foldable, clampable, for guiding cables, galvanized steel, length 300 mm

nominal width	duct-Ø	weight	art.-no.
DN 80	76 - 92 mm	3.5 kg	103315
DN 100	90 - 114 mm	4.1 kg	103316
DN 120	115 - 132 mm	6.2 kg	103317
DN 150	140 - 165 mm	6.9 kg	103318

Cable Socket

Cable Socket with roller
foldable, for guiding cables and auxiliary and winching wires, galvanized steel

nominal width	duct-Ø	weight	art.-no.
DN 80	76 - 92 mm	3.2 kg	103319
DN 100	92 - 114 mm	3.8 kg	103320
DN 120	115 - 132 mm	4.6 kg	103321
DN 150	140 - 165 mm	5.2 kg	103322

Cable Socket

Cable Socket with roller
for guiding cables and auxiliary and winching wires, galvanized steel

nominal width	weight	art.-no.
DN 28	1.7 kg	105101
DN 35	1.8 kg	105102
DN 40	1.9 kg	105103

Rope Protection Roller

Rope protection Roller for auxiliary and winching wires
heavy duty, supported steel roller, galvanized steel

nominal width	weight	art.-no.
DN 100	4.7 kg	105100

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Manhole Cover Lifters

effortless & problem-free handling

Extract from the german **Accident Prevention Regulation**:
„... for safe lifting and replacing of manhole covers suitable implements must be provided from the contractor and are to be used by the insured ... opening of manhole covers must be accomplished with **appropriate manhole cover lifting devices**".

Suitable tools are **KATIMEX® Manhole Cover Lifters**.

NEW - Heavy manhole covers can be lifted easily with the improved, **portable Manhole Cover Lifter**. The **increased lifting height** and the **new safety protection system** allows secure and fast working. After lifting, the manhole cover is moved out of the working area. The manhole cover can be replaced quickly in the same way.

The **Manhole Cover Lifting Tongs** has been improved as well. The special shaped device is available in two different handle lengths.

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Manhole Cover Lifters

Manhole Cover Lifter

Manhole Cover Lift Keys
for branch boxes

types	weight	art.-no.
with hook	0.60 kg	105112
with trapezoid end	0.65 kg	105113
with lateral rectangular end	0.60 kg	105114
with double-sided rectangular end	0.60 kg	105115

Manhole Cover Lifter

Manhole Cover Lifting Tongs
for lifting of tight manhole covers, light weight und robust steel construction

height of handle	weight	art.-no.
500 mm	5.3 kg	105130
700 mm	6.0 kg	105131

Manhole Cover Lifter

Wheeled Manhole Cover Lifter
for lifting of tight and heavy manhole covers
robust steel construction,
two devices needed for application!

specified lifting force per device

lifting height	traverse path max.	lifting force	weight	art.-no.
260 mm	280 mm	6 kN	20 kg	107054

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Cable Pulling Winches

Capstan winch KSW-E

Support winch HSW-B 750 ZP

Cable pusher VSG-H 400

Hydraulic cable winches KZW-H

Steel cable for winches

KATIMEX®
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Cable pulling winches KSW-E

with two capstans

Compact, powerful and versatile

When cable laying either in ducts or industrial buildings, KATIMEX® capstan winches offer a **compact** and powerful unit which is **economical and hard wearing.**

Usage is simple, safe and practical even when used under limited working space such as an industrial plant.

KATIMEX® electric capstan winches are specifically designed to be fixed and used in different working positions to give different pulling directions.

The capstan winches are available with pulling forces from 2.5 kN up to 20 kN.
By several slings of the rope around the capstan head and a light pre-stress at the open end of the rope, the full pulling force can be used.

All winches feature **two capstans of large and smaller diameters.** Pulling speed and force can be altered by choice of capstan used. This enables a quick adaption to **changing circumstances** whilst cable laying.

Using the well designed KATIMEX® capstan winches **reduces time and man-power,** as well as onerous, physical work, that may result in a high risk of injury.

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Support Winch HSW-B 750 ZP

with pulling force measurment and recording

Strong - Innovative - Compact

The HSW-B 750 support winches are perfectly suited to pull heavy winch ropes of bigger winches with great pulling force in to empty ducts or cable trays. Due to the pulling force measurement even lighter power cables or telecommunication cables can be pulled over long distances, without risk. A protocol provides the required information for the clients.

Katimex offers three versions of the HSW-B 750:

HSW-B 750	support winch
HSW-B 750 Z	with pulling force display via dynamometer and shutdown
HSW-B 750 ZP	with pulling force recording and digital display of length, pulling force and speed and a shutdown function

A reliable and powerful **HONDA 4-stroke petrol engine** drives the drum via v-belt. An interposed **wet clutch** ensures a smooth pull at all times. The wet clutch disconnects the power connection autonomously at idle, so that the v-belt does not need to be released. It insures a smooth powerful connection when the engine speed is increased.

Depending on the model, the engine can be started electrically or with a pull starter. The mobile and compact design of the HSW-B winches offers various possible applications and a handling suitable for the construction site.

The **HSW-B 750 ZP** is equipped with a pulling force measurement including a recording function and a shutdown. The control unit has an internal memory with usb-port so that the report can be saved as a PDF-file on an USB-stick. The shutdown prevents the cable from exceeding the maximum pulling force given by the manufacturer. Due to the freely rotating drum the HSW-B can also be used to blow in cables.

The HSW-B series winches are built according to the latest EG-guide regulations.



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Product Information

Support winch HSW-B 750 ZP with pulling force measurement

Quality features:

The easily removable cable drum allows exchanging the reel even without tools on the construction site within seconds. Possible reasons for an exchange can be that the rope needs to be extended or to swap to another rope diameter,

Katimex offers ropes in the range from 1100 m with Ø 4 mm via 700 m with Ø 5 mm to 500 m with 6 mm diameter. We recommend a steel rope with 6 mm diameter, to ensure the double safety of the maximum breaking load by horizontal cable pulls.

typ	engine	pulling force	weight	art.-no.
HSW-B 750 ZP	6.5 kW	750 daN	139 kg	105577
HSW-B 750 Z	6.5 kW	750 daN	135 kg	105576
HSW-B 750 *	6.5 kW	750 daN	120 kg	105575

*without measuring device for pulling force

Optiones:

Description	Art.-no.
1. Spare cable drum for HSW-B, aluminum, empty	105591
2. Steel cable, Ø 4 mm, length 1100 m, breaking load 10,3 kN	105674
3. Steel cable, Ø 5 mm, length 700 m, breaking load 16 kN	105675
4. Steel cable, Ø 6 mm, length 500 m, breaking load 23 kN	105676

By releasing the V-belt the cable drum can be unlocked so it can also be used to blow in cables.

If different cable diameters are required or the cable needs to be extended, the drum can be exchanged easily. This way a complex re-coiling is no longer required. Therefor we optionally offer spare reel.

The current pulling force is monitored by a measuring device. Due to the electrical contact within the gauge the winch engine is cut off if the predefined pulling force is exceeded. The improved control panel is more intuitive, the housing is waterproof and equipped with connections suitable for construction sites, the display is even larger and in colour and the time is updated via GPS.

Material/Features:

HSW-B 750 ZP / HSW-B 750 Z / HSW-B 750

- Compact, lightweight construction
- Disengagable cable drum with high capacity
- Pulling speed up to 70 m /min.
- Pulling force up to 750 daN
- Hight-adjustable support feet
- V-belt tensioner with clamping lever
- Cable drum protection
- Manual rope layering
- Pulling force measurment with recording
- New hinged handle for an easier transport

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Product Overview

Cable pulling winch KSW-E

Tension Belts

Tension Belts with Ratchet
are suited best as a safety element on cable trays and everywhere, where the usage of ground nails is prohibited.
Fits to the side plates of the winches.

type	length	width	pulling force	weight	art.-no.
OPT-04	500 cm	25 mm	8.0 kN	0.34 kg	105518
OPT-05	800 cm	50 mm	40.0 kN	1.85 kg	105519

Polyester Ropes

Polyester Ropes
high load capacity, ductile polyester ropes, 16-times woven. Eyelets on both sides.

Further versions on request

type	length	rope-Ø	breaking load	weight	art.-no.
PFS 8-150	150 m	8 mm	14.3 kN	6.0 kg	105650
PFS 8-200	200 m	8 mm	14.3 kN	8.0 kg	105651
PFS 8-250	250 m	8 mm	14.3 kN	10.0 kg	105652
PFS 12-150	150 m	12 mm	30.0 kN	14.7 kg	105654
PFS 12-200	200 m	12 mm	30.0 kN	19.6 kg	105655
PFS 12-250	250 m	12 mm	30.0 kN	24.5 kg	105656
PFS 16-150	150 m	16 mm	48.0 kN	28.2 kg	105657
PFS 16-200	200 m	16 mm	48.0 kN	37.6 kg	105658
PFS 16-250	250 m	16 mm	48.0 kN	47.0 kg	105659

Recommended Accessories

Rope Winder SW 200

Rope winder
for easy coiling and decoiling of ropes for winches
dimensions 800 mm x 570 mm x 590 mm

capacity	load capacity	weigth	art.-no.
200 m Ø 16 mm / 250 m Ø 12 mm	50 kg	8 kg	107128

Cable Grips

galvanized steel wires

hand woven

available in stainless steel

cable-Ø (mm)	practical breaking load (kN)	pulling-force (kN)	weight* (kg)	W 600 mm art.-no.	W 900 mm art.-no.
10 - 20	18.8	9.4	0.22	109001	**108000**
20 - 30	22.6	11.3	0.35	109002	**108001**
30 - 40	37.0	18.5	0.50	109003	**108002**
40 - 50	55.0	27.5	0.80	109004	**108003**
50 - 65	55.0	27.5	0.85	109005	**108004**
65 - 80	73.2	36.6	1.08	109006	**108005**
80 - 95	73.2	36.6	1.24	109007	**108006**
95 - 110	85.0	42.5	1.73	109008	**108007**
110 - 130	106.0	53.0	1.79	109009	**108008**
130 - 150	106.0	53.0	1.94		**108009**
150 - 180	127.0	63.5	2.09		**108010**

* for W 900 mm only

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VSG-H 400

Pushing unit for cable laying

Hydraulic cable feeder with capstan

The Katimex cable pusher, VSG-H 400 is used to reduce the pulling force during the cable pull and thereby protects the cable. The VSG-H 400 is mainly used when the required pulling force is higher than the recommended maximum pulling force given by the manufacturer.

The cable pusher can be used to pull conduits, cables or the Polykat® fiberglass profile with a diameter of 9 mm or larger while the lateral capstan head is used to pull cables with a polyester fiber rope in combination with a cable grip.

The VSG-H 400 was especially developed to be used in narrow places and can also be operated within buildings, industrial facilities or ships. Small height and light weight enable the user to place the unit directly into a cable tray.
In addition, a torsion-free unwinding of the cable from its drum as well as a clean laying of KR- or SNR-bundles in the ground is achieved. The memory effect of the torsion which is located on the drum will be reduced or even eliminated. Twist-free SNR-bundles reduce the friction force inside the conduits and expand the maximum blow-in length drastically.

Applications

- Due to its extremely compact design and small dimensions the VSG-H 400 can be used in narrow spaces i.e. cable trenches or ducts, within buildings, in industrial plants or within bigger machines and ships.
- Due to the light weight and the small height the pusher can be placed directly into a cable tray i.e. underneath the ceiling

Advantages

- Supports the cable pull
- Reduces the pulling force
- Preserves cables and conduits
- Accelerates the work process
- Torsion-free unwinding of the drum
- Makes the pulling of cables and conduits with polyester rope possible through the lateral capstan head

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VSG-H 400

Technical data

To operate the VSG-H 400 a hydraulic unit with the following minimum requirements is necessary:
30 liter/minute flow rate (hydraulic-oil)
150 bar hydraulic pressure

The pushing forces relate to possible maximum values when using dry rollers and cables. Lubricant must be used in the direction of the working process after the pushing unit.

Art.-No.	**105940**
Thrust (kg) ~ dN	**max 400**
Feeding speed (m/min)	**0 - 40**
Cable diameters (mm)	**9 - 70**
Weight (kg)	**25**
Volume flow rate [l/min]	**0-30**
Hydraulic pressure [bar]	**150**
Feeding speed (in the middle range of the traction wheel - Ø 7mm)	
at 5 l/min	**8 m/min**
at 25 l/min	**40 m/min**
Pulling force at the capstan [kg]	**max. 350**
Dimensions [cm]	**45,5x29x33**

Accessories required:

Hydraulic power unit Hycon HPP13 Flex
with 13 PS Honda fuel engine

art.-no.: 105930

Product information

smooth adjustment between 0 and 30 lpm up to 150 bar. (Ethma category „C“)

Including ON / OFF switch for hydraulic circle

Without hydraulic oil. Syntetic and organic oils can be used.

Attention - insert hydraulic oil before operating!

Weight: 81 kg

Dimensiones:
715 x 622 x 605 mm

Hose package for hydraulic power unit Hycon HPP 13 Flex
6 m, ½ inch

art.-no.: 105931

Product information

Double hose for hydraulic tool, incl. ½ inch flat-sealing clutch, empty, (ca. 2 litre hydraulic oil required)

Attention - insert hydraulic oil before operating!

Safety grid for hydraulic power unit Hycon Hpp13 flex

art.-no.: 105932

Product information

Safety grid for hydraulic power unit to cover the fuel engine, made for site use.

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Hydraulic cable winch KZW-H 10

with cable drum 10 kN

For versatile
cable laying

The **cable winch KZW-H 10** is compactly constructed. It is versatile and thanks to the short set-up time always fast to use. Pulling force is generated by the cable drum. Speed and direction of rotation can be adjusted via the control panel at any time.

Pulling forces can be read permanently by means of a display. The manual supports allow for a stable stand, even in difficult terrain.

KZW-H 10 is a quality product and fulfills highest technical requirements. The winch is produced according to the EC Machinery Directive. The chassis can be approved for public roads.

- Pulling speed max. 40 m/min
- Detachable drum
- Automatically swinging rope-winder with neutral position for manual handling
- Dynamometer to read the pull force
- Freewheel to blow-in a rope
- Hydraulic safety brake
- Rigid axis and drawbar
- Eyelets and retainers to anchor and lift the winch
- Manual supports to stabilize the winch
- Heat exchanger to cool the oil in the hydraulic circuit
- Adjustable pulley for vertical and horizontal cable pulls

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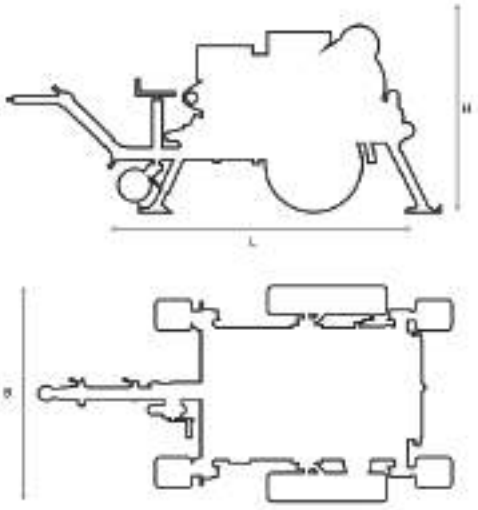
Hydraulic cable winch

Technical Information	
Art.-no.	105480
Pulling force max.	10 kN
Pulling force at speed max.	4 kN
Speed max.	40 m/min
Speed with pulling force max.	15 m/min
Drum diameter inside	200 mm
Drum diameter outside	500 mm
Drum width	500 mm
Capacity of steel cable 8 mm	800 m
Capacity of steel cable 10 mm	500 m
Dimensions (LxWxH)	1200 x 1050 x 850 mm
Weight (without steel cable)	350 kg



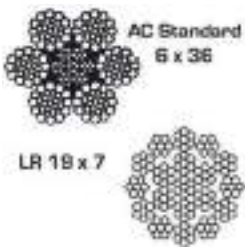
Engine	
Engine type	Petrol engine
Power	8.8 kW
Cooling system	air cooling
Engine starter	via rope

To ensure maximum comfort, we offer the following options:

Optiones	
Description	**Art.-no.**
1. Pulling force-cutoff (the engine stops if a preset pullingforce is reached)	105485
2. Diesel engine with rope starter	105483
3. Electric starter mit 12V battery	105484
4. PVC facing (body)	105482
5. Axle with height-adjustable drawbar and wheels, for public road, max. speed 60 km/h, with mechanical parking brake	105481
6. Road traffic registration	105331

*not upgradeable

Steel cable



Description	Ø	Breaking load	Length max.	Art-No.
AC Standard 6 x 36	8 mm	40.0 kN	800 m	105678
LR 19 x 7	8 mm	40.0 kN	800 m	105688
AC Standard 6 x 36	10 mm	70.0 kN	500 m	105680
LR 19 x 7	10 mm	70.0 kN	500 m	105690

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Hydraulic cable winch KZW-H 30

with two capstans 30 kN

Quick and easy
underground cabling

Working on underground cabling requires the highest degree of safety and reliability. The cable pulling Winch **KZW-H** was developed for underground laying of cables, pipes and fibre optic lines. It is characterized by compact design and high pulling force.

To use the winch the lockable flap of the control panel is opened and the winch is anchored on the ground: short set-up times minimize set-up costs!

Traction force, speed and drawn cord lengths are displayed on the large color screen permanently. The intuitive controls are carried out via a clear control panel. Speed and direction of rotation can be adjusted at any time.

The USB port allows transferring data to an external storage media. Data include the maximum pulling force and the working hours. The integrated software enables an easy read-out of the data. With an optional thermal printer the data can be printed out on site.

The **KZW-H 30** fulfills highest technical requirements. The closed, sound-insulated unit reduces operating noise to a minimum. The winch is produced according to the EC Machinery Directive. The chassis can be approved for public roads.

- Pulling force up to 30 kN
- Pulling speed max. 80 m/min.
- Control panel with color screen
- Hydraulic recoil brake
- Chassis with damped axles
- Eyelets and retainers to anchor and lift the winch
- Extractable reel with automatic rope-winder
- Mechanical supports in the front and the back
- Trailer hitch either for car or truck

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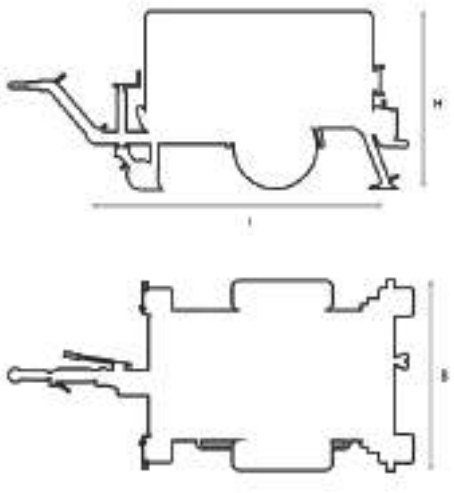
Hydraulic cable winch



Technical Information	
Art.-no.	105330
Pulling force max.	30 kN
Pulling force at speed max.	5 kN
Speed max.	80 m/min
Speed with pulling force max.	16 m/min
Double capstan	2 x Ø 200 mm
Drum diameter	600 mm
Capacity of steel cable 8 mm	1000 m
Capacity of steel cable 10 mm	650 m
Dimensions (LxWxH)	2100 x 1300 x 1300 mm
Weight (without steel cable)	1000 kg

Engine	
Engine type	Diesel engine
Power	20 kW
Cooling system	Water cooling
Electrical wiring	12 V

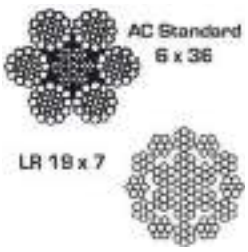
To ensure maximum comfort, we offer the following options:

Optiones	
Description	**Art.-no.**
1. Road traffic registration with drawbar for car	105331
2. Road traffic registration with drawbar for truck	105361
3. Remote control via cable, 10 m cable length*	105332
4. Radio remote control, max. distance 50 m*	105333
5. Thermal printer in aluminium case	105335
6. Hydraulic feet*	105336
7. Motorized rubber track (caterpillars, no road traffic registration possible)*	105420

*not upgradeable

Accessories	
Description	**Art.-no.**
Telescope appliance to redirect the rope into a duct	105334

Steel cable



Description	Ø	Breaking load	Length max.	Art-no.
AC Standard 6 x 36	8 mm	40.0 kN	1000 m	105678
LR 19 x 7	8 mm	40.0 kN	1000 m	105688
AC Standard 6 x 36	10 mm	70.0 kN	650 m	105680
LR 19 x 7	10 mm	70.0 kN	650 m	105690

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Hydraulic cable winch KZW-H 40

with two capstans 40 kN

For laying pipes,
cable and fibreglass

The **cable winch KZW-H** can be used in a wide range of applications and characterized by compact design and high performance.

To use the winch the lockable flap of the control panel is opened and the winch is anchored on the ground: short set-up times minimize set-up costs!

Traction force, speed and drawn cord lengths are displayed on the large color screen permanently. The intuitive controls are carried out via a clear control panel. Speed and direction of rotation can be adjusted at any time.

The USB port allows transferring data to an external storage media. Data include the maximum pulling force and the working hours. The integrated software enables an easy read-out of the data. With an optional thermal printer the data can be printed out on site.

The **KZW-H 40** fulfills highest technical requirements. The closed, sound-insulated unit reduces operating noise to a minimum. The winch is produced according to the EC Machinery Directive. The chassis can be approved for public roads.

- Pulling force up to 40 kN
- Pulling speed max. 60 m/min.
- Control panel with color screen
- Hydraulic recoil brake
- Chassis with damped axles
- Heat exchanger to cool the oil in the hydraulic circuit
- Eyelets and retainers to anchor and lift the winch
- Extractable reel with automatic rope-winder
- Mechanical supports in the front and the back
- Trailer hitch either for car or truck

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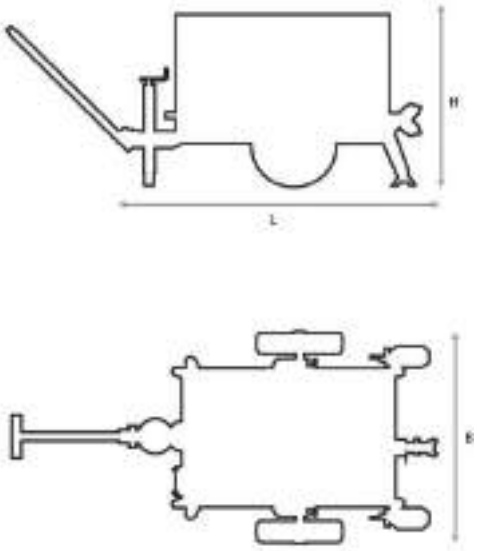
Hydraulic cable winch



Technical Information	
Art.-no.	105340
Pulling force max.	40 kN
Pulling force at speed max.	10 kN
Speed max.	60 m/min
Speed with pulling force max.	16 m/min
Double capstan	2 x Ø 280 mm
Drum diameter	520 mm
Capacity of steel cable 10 mm	1200 m
Capacity of steel cable 12 mm	1000 m
Dimensions (LxWxH)	3100 x 1700 x 1750 mm
Weight (without steel cable)	1900 kg

Engine	
Engine type	Diesel engine
Power	26 kW
Cooling system	Water cooling
Electrical wiring	12 V

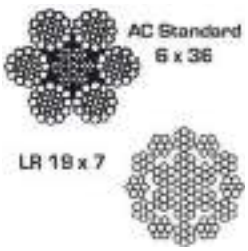
To ensure maximum comfort, we offer the following options:

Optiones	
Description	**Art-no.**
1. Road traffic registration with drawbar for car	105331
2. Road traffic registration with drawbar for truck	105361
3. Remote control via cable, 10 m cable length*	105332
4. Radio remote control, max. distance 50 m*	105333
5. Thermal printer in aluminium case	105335
6. Hydraulic feet*	105336
7. Motorized rubber track (caterpillars, no road traffic registration possible)*	105422

* not upgradeable

Accessories	
Description	**Art-no.**
Telescope appliance to redirect the rope into a duct	105334

Steel cable					
	Description	**Ø**	**Breaking load**	**Length max.**	**Art-no.**
	AC Standard 6 x 36	10 mm	70.0 kN	1200 m	105680
	LR 19 x 7	10 mm	70.0 kN	1200 m	105690
	AC Standard 6 x 36	12 mm	100.0 kN	1000 m	105682
	LR 19 x 7	12 mm	100.0 kN	1000 m	105692



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Hydraulic cable winch KZW-H 50

with two capstans 50 kN

For laying pipes,
cable and fibreglass

This **cable winch** can be used in a wide range of applications and characterized by compact design. The **KZW-H 50** impresses with its enormous performance of 50 kN maximum pulling force.

To use the winch the lockable flap of the control panel is opened and the winch is anchored on the ground: short set-up times minimize set-up costs!

Traction force, speed and drawn cord lengths are displayed on the large color screen in real-time. The intuitive controls are carried out via a clear control panel. Speed and direction of rotation can be adjusted at any time.

The USB port allows transferring data to an external storage media. Data include the maximum pulling force and the working hours. The integrated software enables an easy read-out of the data. With an optional thermal printer the data can be printed out on site.

The **KZW-H 50** fulfills highest technical requirements. The closed, sound-insulated unit reduces operating noise to a minimum. The winch is produced according to the EC Machinery Directive. The chassis can be approved for public roads.

- Pulling force up to 50 kN
- Pulling speed max. 60 m/min.
- Control panel with color screen
- Hydraulic recoil brake
- Chassis with damped axles
- Heat exchanger to cool the oil in the hydraulic circuit
- Eyelets and retainers to anchor and lift the winch
- Extractable reel with automatic rope-winder
- Mechanical supports in the front and the back
- Trailer hitch either for car or truck

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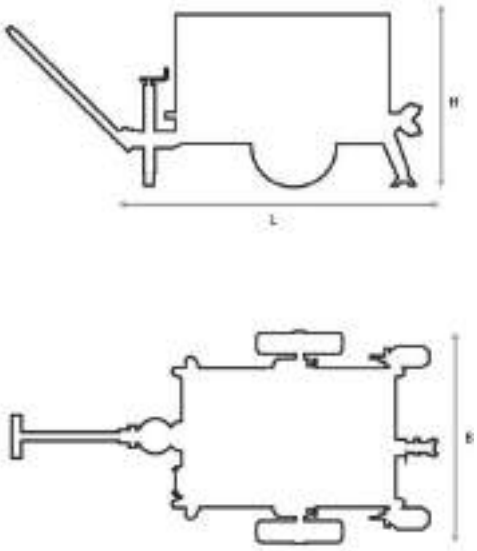
Hydraulic cable winch



Technical Information	
Art.-no.	105350
Pulling force max.	50 kN
Pulling force at speed max.	10 kN
Speed max.	60 m/min
Speed with pulling force max.	13 m/min
Double capstan	2 x Ø 280 mm
Drum diameter	520 mm
Capacity of steel cable 10 mm	1200 m
Capacity of steel cable 12 mm	1000 m
Capacity of steel cable 14 mm	750 m
Dimensions (LxWxH)	3100 x 1700 x 1750 mm
Weight (without steel cable)	1900 kg

Engine	
Engine type	Diesel engine
Power	26 kW
Cooling system	Water cooling
Electrical wiring	12 V

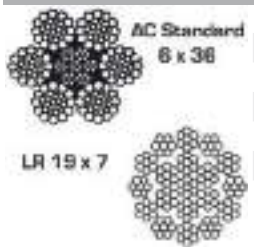
To ensure maximum comfort, we offer the following options:

Optiones	
Description	**Art.-no.**
1. Road traffic registration with drawbar for car	105331
2. Road traffic registration with drawbar for truck	105361
3. Remote control via cable, 10 m cable length*	105332
4. Radio remote control, max. distance 50 m*	105333
5. Thermal printer in aluminium case	105335
6. Hydraulic feet*	105336
7. Motorized rubber track (caterpillars, no road traffic registration possible)*	105424

* not upgradeable

Accessories	
Description	**Art.-no.**
Telescope appliance to redirect the rope into a duct	105354

Steel cable



Description	Ø	Breaking load	Length max.	Art-no.
AC Standard 6 x 36	10 mm	70.0 kN	1200 m	105680
LR 19 x 7	10 mm	70.0 kN	1200 m	105690
AC Standard 6 x 36	12 mm	100.0 kN	1000 m	105682
LR 19 x 7	12 mm	100.0 kN	1000 m	105692
AC Standard 6 x 36	14 mm	130.0 kN	750 m	105684
LR 19 x 7	14 mm	140.0 kN	750 m	105694

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KATIMEX®
CABLING ENABLED

Hydraulic cable winch KZW-H 100

with two capstans 100 kN

Powerhouse for
underground cabling

The **cable winch KZW-H 100** impresses with its light and compact construction combined with a spectacular pulling force up to 100 kN. To use the winch the lockable flap of the control panel is opened and the winch is anchored on the ground. Labourious set-up times are no longer required.

Traction force, speed and drawn cord lengths are displayed on the large color screen permanently. The intuitive controls are carried out via a clear control panel. Speed and direction of rotation can be adjusted with the hydraulic circulation at any time.

The USB port allows transferring data to an external storage media. Data include the maximum pulling force and the working hours. The integrated software enables an easy read-out of the data. With an optional thermal printer the data can be printed out on site.

The **KZW-H 100** is a quality product and fullfills highest technical requirements. The closed, sound-insulated unit reduces operating noise to a minimum. The winch is produced according to the EC Machinery Directive. The chassis can be approved for public roads.

- Pulling force up to 100 kN
- Pulling speed max. 55 m/min.
- Metal case with doors
- Control panel with color screen
- Hydraulic recoil brake
- Chassis with damped twin axles
- Heat exchanger to cool oil in the hydraulic circuit
- Reel with automatic rope-winder
- Extractable reel
- Mechanical supports in the front and the back
- Trailer hitch for truck

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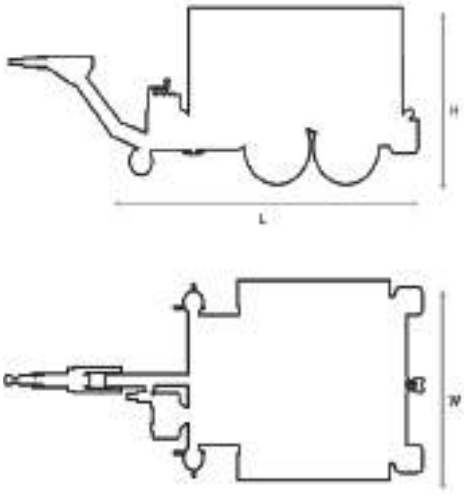
Hydraulic cable winch

Technical Information	
Art.-no.	105490
Pulling force max.	100 kN
Pulling force at speed max.	20 kN
Speed max.	55 m/min
Speed with pulling force max.	11 m/min
Double capstan	2 x Ø 300 mm
Drum diameter	850 mm
Capacity of steel cable 12 mm	1500 m
Capacity of steel cable 14 mm	1100 m
Capacity of steel cable 16 mm	850 m
Dimensions (LxWxH)	3100 x 1850 x 1650 mm
Weight (without steel cable)	2100 kg



Engine	
Engine type	Diesel engine
Power	33,5 kW
Cooling system	Water cooling
Electrical wiring	12 V

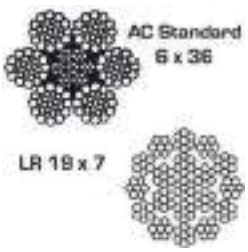
To ensure maximum comfort, we offer the following options:

Optiones	
Description	**Art.-no.**
1. Road traffic registration with drawbar for truck	105361
2. Remote control via cable, 10 m cable length*	105332
3. Radio remote control, max. distance 50 m*	105333
4. Thermal printer in aluminium case	105335
5. Hydraulic feet*	105336
6. Motorized rubber track (caterpillars, no road traffic registration possible)*	105426
7. Divice to start diesel engine and hydraulic by low temperature	105399

* not upgradeable

Accessories	
Description	**Art.-no.**
Telescope appliance to redirect the rope into a duct	105354

Steel cable



Description	Ø	Breaking load	Length max.	Art-no.
AC Standard 6 x 36	12 mm	100.0 kN	1500 m	105682
LR 19 x 7	12 mm	100.0 kN	1500 m	105692
AC Standard 6 x 36	14 mm	130.0 kN	1100 m	105684
LR 19 x 7	14 mm	140.0 kN	1100 m	105694
AC Standard 6 x 36	16 mm	160.0 kN	850 m	105686
LR 19 x 7	16 mm	180.0 kN	850 m	105696

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Steel cable

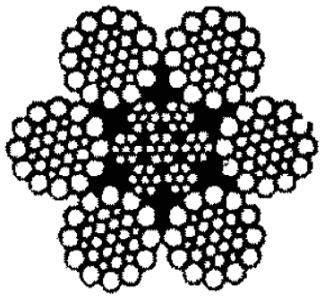
for winches of the series KZW-H

Strong steel cable
for heavy loads

Pulling heavy cable requires more than a strong winch. Without both heavy-duty and stable steel cable, professional cable lying is not possible. The requirements on modern steel cable are enormous. For this reason Katimex offers a high-quality steel cable suitable for all winches of the series KZW-H. With the combination of wear and corrosion-resistant material and a special rope-geometry, KATIMEX reaches remarkable breaking loads and highest durability's.

- Especially suitable for winches of the KZW-H series
- Made of high quality bright steel
- Low stretch and twist

Technical Information

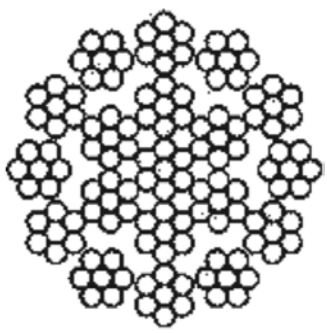


AC Standard 6 x 36, not galvanized

These solid steel cables, i.e. wire cables with steel inserts, offer a minor amount compliance of the cable core and a particularly high dimensional stability.The denser metal profile of the full steel cables leads to a considerably lower specific strain of the individual wires. This is very advantageously and has a positive effect on the duration of the cable. This steel cable consists of 216 braided single strands. The breaking load of the individual strands is 180 kg / mm 2.

Cable sold by the metre

Ø	Ø Strap	Breaking load	Weight	Art.-no.
8 mm	0,50 mm	40 kN	0,28 kg/m	105678
10 mm	0,62 mm	70 kN	0,43 kg/m	105680
12 mm	0,75 mm	100 kN	0,62 kg/m	105682
14 mm	0,77 mm	130 kN	0,82 kg/m	105684
16 mm	0,88 mm	160 kN	1,07 kg/m	105686
18 mm	0,99 mm	220 kN	1,35 kg/m	105687



LR 19 x 7, not galvanized

This steel cable is particularly low-twisting due to its construction which makes it the perfect winch cable. The medium soft nature and the medium stretch are further positive features that make this steel cable perfectly suitable for all winches. Swivels can be used without restriction. The braided long lay cable made of 133 single straps each have a breaking load of 200 kg/mm2.

Cable sold by the metre

Ø	Ø Strap	Breaking load	Weight	Art.-no.
8 mm	0,51 mm	40 kN	0,27 kg/m	105688
10 mm	0,64 mm	70 kN	0,41 kg/m	105690
12 mm	0,76 mm	100 kN	0,60 kg/m	105692
14 mm	0,89 mm	140 kN	0,81 kg/m	105694
16 mm	1,02 mm	180 kN	1,06 kg/m	105696
18 mm	1,15 mm	230 kN	1,34 kg/m	105697

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KATIMEX®
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Locating Devices

Locating Devices

for point and route location

for route location

KATIMEX®
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Locating Devices

for point and route location

To repair and recondition pipes and cables underground can be a costly, time consuming operation. Any company undertaking an underground engineering contract needs to ensure that the routing of any **shaft can be quickly and safely identified**.

Finding non-conductive pipes is significantly simplified and often, for the first time, made feasible by using the **KATIMEX® locating systems**.
At the centre of the unit is the **Polykat® fibreglass profile**, which has the benefit of an extremely high thrust stability allied to a small radius of curvature. The Polykat® fibreglass profile contains one or more **copper wires** that emit a **locatable signal** over the entire band length via the connection of a high frequency transmitter. The signal emitted can be picked up to a depth of **several meters** dependant on the receiving equipment fitted and the local conditions.

Units with a permanently fixed sonde can also be used for **locating end points** where there is a pipe fault, different diameters of Polykat® fibreglass profile are available for various pipe diameters and the profile can be supplied in lengths up to 300 m.

Typical areas of application where the **KATIMEX® Locating Equipment** is suitable include all types of **underground construction**, for example **fresh water and sewage pipelines, cable laying and repairing and drainage and dump work**.

The KATIMEX® locating systems are now being **used extensively in domestic installations** and repair to determine the course of pipe work or to locate faults.

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Product Information

Locating Devices

Technical Information:

KATIMEX® locating systems can be operated with all standard transmitting and receiving equipment that works in the kHz range. The transmitter is connected to the equipment via the connection box by means of banana jacks or terminals. The locating depths and levels of accuracy are influenced primarily by the equipment specific data of the location or cable-finding equipment (transmission power, sensitivity of the receiver) and by local circumstances (structures and nature of the soil/walls, interfernce from other power sources etc.). KATIMEX® offers two versions of locating systems. These versions are independent of the length and thickness of the fibreglass rod.

Locating Devices
for point and route location

Point and route analysis can be primarily undertaken using this universal locating system. A sonde is attached to the equipment at the beginning of the fibreglass rod which can be located easily thanks to a particularly strong magnetic field. Point location is used for locating defective points in pipeline systems such as blockages, sunken sections of pipe etc. The transmitter is connected to the connection box via two cables (see illustration). Route location is used for tracking entire pipe courses. The transmission takes place along the entire length of the fibreglass rod. This version has the advantage compared with simple „pig transmitters" that only one person is required for locating work and losing the signal is excluded.

Product advantages at a glance:
- NO SIGNAL LOSS - frequent mistake with batterie driven transmitter
- **suitable for spot and route locating**
- 1-person handling
- compact steel frame with Polykat®

Locating Devices
for route locating

Route location can be used for tracking of entire pipe courses.
The transmission cable is connected between transmitter and locating rodder. The second connection of the transmitter is earthed (see illustration). This fibreglass rod contains one or more copper wires that emit a **locatable signal** over the **entire band length** via the connection of the transmitter. This signal can be picked up, dependent on the transmission and receiving equipment and local and structural circumstances, **down to a depth of several meters**.

Product advantages at a glance:
- NO SIGNAL LOSS - frequent mistake with batterie driven transmitter
- **2in1 - use as a cable pulling device and as a route locating unit**
- 1-person handling
- compact steel frames with Polykat® fibreglass profile

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Locating Devices point and route locating

Max with Sonde System

Locating Device for Point and Route Locating
Polykat® fibreglass profile Ø 4,5 mm with integrated copper wires
sonde for end point determination, connection box with socket and pins for two connections, galvanized steel frame with aluminium reel Ø 400 mm

rod length	rod-Ø	weight	art.-no.
30 m	4.5 mm	5.1 kg	104054
50 m	4.5 mm	5.8 kg	104055
60 m	4.5 mm	6.0 kg	104056
80 m	4.5 mm	6.7 kg	104058

Spare Rod Max/Sonde

Polykat® fibreglass profile Ø 4,5 mm with integrated copper wires for point and route location
sonde for end point determination, connection box with socket and pins for two connections
- easy reeling into existing devices

rod length	rod-Ø	weight	art.-no.
30 m	4.5 mm	1.0 kg	104063
50 m	4.5 mm	1.6 kg	104065
60 m	4.5 mm	2.0 kg	104066
80 m	4.5 mm	2.6 kg	104067

Jet with Sonde System

Locating Device for Point and Route Locating
Polykat® fibreglass profile Ø 7,4 mm with integrated copper wires
sonde for end point determination, connection box with socket and pins for two connections, galvanized steel frame and reel Ø 600 mm

rod length	rod-Ø	weight	art.-no.
30 m	7.4 mm	7.5 kg	104070
60 m	7.4 mm	8,0 kg	104073
90 m	7.4 mm	11.7 kg	104076
120 m	7.4 mm	13.8 kg	104077

Spare Rod Jet/Sonde

Polykat® fibreglass profile Ø 7,4 mm with integrated copper wires for point and route location
sonde for end point determination, connection box with socket and pins for two connections
- easy reeling into existing devices

rod length	rod-Ø	weight	art.-no.
30 m	7.4 mm	2.1 kg	104078
60 m	7.4 mm	4.2 kg	104080
90 m	7.4 mm	6.3 kg	104082
120 m	7.4 mm	8.4 kg	104084

Sondesystem

Sondesystem
Transmitter for tracking non-metallic conduits and pipes.
Battery-operated, with thread M10. In combination with M12/M10 adapter suitable for all Cablejet and Pipe Eel devices with external M12 thread.

type	max. depth	diameter	weight	art.-no.
Transmitter	up to 4.0 m	18 mm	0.10 kg	104047
Transmitter	up to 5.0 m	39 mm	0.20 kg	104068
Adapter Ø 18 mm		22 mm	0.03 kg	104048
Adapter Ø 39 mm		42 mm	0.12 kg	104069

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Locating Devices for route location

Kati® Blitz 2in1

2in1 concept: cable pulling device with detection function
Polykat® fibreglass profile Ø 3,0 mm with integrated copper wires
fitted with rod end with external M5 thread and attached flexible guide head Ø 7 mm, integrated slip ring for connecting transmitter (1 connection)
proven Kati® Blitz housing

rod length	rod-Ø	weight	art.-no.
20 m	3.0 mm	1.14 kg	104820
30 m	3.0 mm	1.25 kg	104830
50 m	3.0 mm	1.50 kg	104850

Spare Rod Kati® Blitz 2in1

Polykat® fibreglass profile Ø 3,0 mm with integrated copper wires
fitted with rod end with external M5 thread
flexible guide head Ø 7 mm and pulling eye included

rod length	rod-Ø	weight	art.-no.
20 m	3.0 mm	0.30 kg	104320
30 m	3.0 mm	0.45 kg	104330
50 m	3.0 mm	0.68 kg	104350

Cablemax 2in1

2in1 concept: cable pulling device with detection function
Polykat® fibreglass profile Ø 4,5 mm with integrated copper wires
fitted with rod end with external M5 thread and attached flexible guide head Ø 7 mm, connection box for connecting transmitter (1 connection)
galvanized steel frame with aluminium reel Ø 400 mm

rod length	rod-Ø	weight	art.-no.
30 m	4.5 mm	5.1 kg	104085
60 m	4.5 mm	6.5 kg	104087

Spare Rod Cablemax 2in1

Polykat® fibreglass profile Ø 4,5 mm with integrated copper wires
fitted with rod end with external M5 thread and attached flexible guide head Ø 7 mm, connection box for connecting transmitter (1 connection)
- easy reeling in to exisisting devices
- simple re-fitting of existing cable pulling devices

rod length	rod-Ø	weight	art.-no.
30 m	4.5 mm	1.5 kg	104090
60 m	4.5 mm	2.1 kg	104092

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Locating Devices for route location

Cablejet 2in1

2in1 concept: cable pulling device with detection function
Polykat® fibreglass profile Ø 7,4 mm with integrated copper wires
fitted with rod end with external M12 and screwed-on guide head Ø 18 mm
connection box for connecting transmitter (1 connection)
galvanized steel frame with reel Ø 600 mm

rod length	rod-Ø	weight	art.-no.
30 m	7.4 mm	10.1 kg	104095
60 m	7.4 mm	11.9 kg	104097
90 m	7.4 mm	13.7 kg	104099
120 m	7,4 mm	15,8 kg	104098

Spare Rod Cablejet 2in1

Polykat® fibreglass profile Ø 7,4 mm with integrated copper wires
fitted with rod end with external M12 and screwed-on guide head Ø 18 mm
connection box for connecting transmitter (1 connection)
- easy reeling in to existing devices
- simple re-fitting of existing cable pulling devices

rod length	rod-Ø	weight	art.-no.
30 m	7.4 mm	1.5 kg	104100
60 m	7.4 mm	3.5 kg	104102
90 m	7.4 mm	6.7 kg	104104
120 m	7,4 mm	7,6 kg	104106

Pipe Eel 2in1

2in1 concept: cable pulling device with detection function
Polykat® fibreglass profile Ø 11 mm with integrated copper wires
fitted with rod end with external M12 and screwed-on guide head Ø 18 mm
connection box for connecting transmitter (1 connection)
galvanized steel frame with reel Ø 1000 mm, portable
roller supported rod guidance

rod length	rod-Ø	weight	art.-no.
150 m	11 mm	37.0 kg	104115
200 m	11 mm	43.0 kg	104116
250 m	11 mm	49.0 kg	104117
300 m	11 mm	61.0 kg	104118

Spare Rod Pipe Eel 2in1

2in1 concept: cable pulling device with detection function
Polykat® fibreglass profile Ø 11 mm with integrated copper wires
fitted with rod end with external M12 and screwed-on guide head Ø 18 mm
connection box for connecting transmitter (1 connection)
- easy reeling in to existing devices
- simple re-fitting of existing cable pulling devices

rod length	rod-Ø	weight	art.-no.
150 m	11 mm	22.0 kg	104120
200 m	11 mm	28.0 kg	104121
250 m	11 mm	34.0 kg	104122
300 m	11 mm	40.0 kg	104123

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