CABLE SPOOLING AND CABLE PULLING AIDS

The cable pull system for professionals: Kati® Blitz 2.0. Due to the new guide tip, the flexible guide head 2.0 with improved bending properties, it is now possible to pass through particularly small curve radii in empty conduits.

The innovative guide minimises the risk of breaking when winding up the rod.

Thanks to the crank function, one saves up to 30% of the time when winding up and unwinding the rod.

The Kati® Blitz compact with 30 m rod length in the Special Edition: Black housing and red rod!

The CIMCO PowerDrive enables the motor-supported feed or retraction of an existing cable pulling system.
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<table>
<thead>
<tr>
<th>Design</th>
<th>Size mm</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable spooling and unwinding devices</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Cable coil dispenser</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Manufactured from powder-coated steel tubing, for winding goods such as all types of cables as well as flexible empty conduits, for horizontal and vertical winding and unwinding of cable coils with a minimum inner diameter of 110 mm and maximum outer diameter of 300 mm, quickly adjustable to different coil diameters thanks to self-locking guides, complete with 3 anti-slip rubber feet, carrying handle and quick winding crank handle, load-bearing capacity up to 70 kg.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The simultaneous unwinding and pulling of multiple conductors is made easier if multiple limitation discs (CIMCO article no. 14 2742) are used on the cable coil dispenser.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The hand-held cable length measuring tool can be mounted onto the cable coil dispenser without any problems whatsoever. Simply pull off the plastic handle on the cable coil dispenser. Push on the measuring tool and fix with a hexagon socket screw.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H x W x L mm</td>
<td>570 x 460 x 400</td>
<td>1</td>
<td>14 2740</td>
</tr>
<tr>
<td><strong>Cable drum unroller TROMMELFIX</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Extremely robust cable drum unroller made from powder-coated steel sheet complete with carrying handle and four height-adjustable, anti-slip rubber feet, flat loading ramp, with two bearer rollers and lateral drum guides</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TROMMELFIX 200</strong></td>
<td>Maximum load-bearing capacity of 200 kg, maximum drum diameter of 700 mm, maximum drum width of 530 mm, bearer roller distance can be varied as desired by simply re-hanging the rollers (200, 300 and 400 mm), weight 15.7 kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>120 x 600 x 635</td>
<td>1</td>
<td>14 2750</td>
</tr>
<tr>
<td><strong>TROMMELFIX 200 ULTRA</strong></td>
<td>Lightweight design with a weight saving of 6 kg. Made of powder-coated steel sheet, flat loading ramp, integrated drum guide in the bearer rollers, convenient winding and unwinding of cable drums thanks to the new drum brake (unwinding brake) in the front drum axle, max. drum width: 530 mm, load-bearing capacity up to 200 kg, weight: 9.4 kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>70 x 580 x 660</td>
<td>1</td>
<td>14 2756</td>
</tr>
<tr>
<td><strong>TROMMELFIX 700</strong></td>
<td>Load-bearing capacity of up to 700 kg, maximum drum diameter of 1000 mm, maximum drum width of 730 mm, bearer roller distance can be varied as desired by simply re-hanging the rollers (200, 300, 400 and 500 mm), weight 26 kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>160 x 750 x 780</td>
<td>1</td>
<td>14 2752</td>
</tr>
<tr>
<td><strong>Transport set for cable drum unroller TROMMELFIX 200</strong></td>
<td>Useful addition for mobile use of the cable drum unroller 200 kg (CIMCO article no. 14 2750). Set consisting of: 4 screw-on castors (2 of which can be swivelled, 2 with locking brake); hand rod assembly that can be plugged together for pushing and pulling even a loaded cable drum unroller including holder for hand-held cable length measuring tool CIMCO article no. 14 2745; stable loading ramp made from grooved steel sheet, which prevents the slipping of heavy drums, complete with 4 anti-slip rubber feet and carrying handle; 2 screw-on holders for the connection of cable drum unroller and hand rod assembly; installation instructions. The set can be assembled very quickly and can also be utilised as a retrofit set for older CIMCO cable drum unrollers.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>14 2754</td>
<td></td>
</tr>
<tr>
<td><strong>Dispenser for disposable cable drums</strong></td>
<td>For cables with a max. diameter of 800 mm and maximum weight of 200 kg, particularly advantageous when dealing with damaged cable drums, ideally suitable for the simple winding, unwinding and re-winding of small cable and wire cross-sections thanks to a second upper axle. Collapsible and therefore more convenient and provides space-saving transportation in the vehicle.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dispenser basic unit</td>
<td>980 x 800 x 200</td>
<td>1</td>
<td>14 2730</td>
</tr>
<tr>
<td>Second upper axle</td>
<td>1</td>
<td>14 2732</td>
<td></td>
</tr>
</tbody>
</table>

Advice and ordering: Phone: 02191 3718-01, Fax: 02191 3718-85, Email: bestellung@cimco.de
### Aluminium runner
With a load-bearing capacity of up to 300 kg, for cable drums of any width, with flat loading ramp and non-slip rubber feet, variable bearer roller distance (250 mm, 330 mm, 410 mm).

| With plastic rollers, without locking (unwinding brake) | 1 Pair | 14 2698 |
| Aluminium rollers for 14 2698 with 2 axles and screw fittings | 1 Pair | 14 2704 |
| With aluminium rollers and manual drum brake (unwinding brake) | 1 Pair | 14 2706 |

With a load-bearing capacity of up to 1000 kg, for cable drums of any width; aluminium body, with repositionable rollers.

| 220 x 140 x 1000 | 1 Pair | 14 2702 |

### Hand-held cable length measuring tool
Measuring device for fast and precise determination of cable lengths, further area of application for all types of cables and similar wound products measuring between 4 and 35 mm in diameter, automatic cable size adjustment via leaf clamp, branded German counter with excellent measuring accuracy; measurement range from 0 to 9999.9 m, zero position via the reset toggle switch, rubberised aluminium measuring wheel, screw-off handle for mobile use on construction sites, in the warehouse, workshop etc., with holder shaft for stationary use in combination with all CIMCO Trommelfix dispensing aids and the CIMCO connection frame, can also be mounted on the cable coil dispenser (CIMCO article no. 14 2740)

| Rubberised aluminium measuring wheel | 4 - 35 mm Ø | 1 | 14 2744 |

### Connection frame for hand-held cable length measuring tool
The hand-held cable length measuring tool is fixed to the CIMCO Trommelfix 200 and Trommelfix 700 cable drum unroller using the connection frame. As a result, the measuring tool becomes a stationary facility for cutting to size on standard cable drums. Can be adjusted to many positions in both height and length and can also be swivelled via the lockable rollers, ensuring that it can be adapted to all individual working and space situations, assembly is completed within a few seconds by simply plugging it together, ideal for all cable drum warehouses when it comes to wholesale and retail as well as on construction sites, weight only 3.5 kg

| 1 | 14 2748 |

### Cable drum spindle hoist
For cable drums with a maximum diameter of 1600 mm, lifting height greater than 100 mm, capacity of 4000 kg per pair, construction height of 640 mm, floor space 400 x 200 mm, weight 13.2 kg

| 1 | 14 2320 |

### Hydraulic cable drum hoist
With hand pump, three-fold height adjustment, for cable drums with a maximum diameter of 1600 mm, lifting height of 100 mm, capacity of 4000 kg per pair, overall height of between 620 and 960 mm, floor space 400 x 200 mm, weight 16.3 kg

| 1 | 14 2322 |

### Cable drum hoist
Finely graduated height adjustment of the axle bearing shells via notches, for cable drums with a maximum diameter of 1600 mm, lifting height of 60 mm, capacity of 2000 kg per pair, overall height of 900 mm, floor space 630 x 310 mm, weight 14 kg

| Design left | 1 | 14 2323 |
| Design right | 1 | 14 2324 |
CABLE SPOOLING AND CABLE PULLING AIDS

<table>
<thead>
<tr>
<th>Design</th>
<th>Size mm</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable drum hoist HYDROKAT</td>
<td>for cable drums with diameter</td>
<td>Overall height</td>
<td>Weight</td>
</tr>
<tr>
<td>700 mm to 2200 mm</td>
<td>1070 mm</td>
<td>53 kg</td>
<td>1</td>
</tr>
<tr>
<td>700 mm to 3200 mm</td>
<td>1635 mm</td>
<td>69 kg</td>
<td>1</td>
</tr>
</tbody>
</table>

Cable drum hoist HYDROKAT
Hydraulic cable drum hoist, mobile, can be easily positioned by one person working on the cable drum, safe load loading thanks to double columns, 7-step or 13-step height adjustment of the axle bearing shells via notches, lifting height of 150 mm, capacity of 10,000 kg per pair, floor space 540 x 340 mm

<table>
<thead>
<tr>
<th>Design</th>
<th>Size mm</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Cable drum hoist HYDROKAT</td>
<td>for cable drums with diameter</td>
<td>Overall height</td>
<td>Weight</td>
</tr>
<tr>
<td>800 mm to 2200 mm</td>
<td>1070 mm</td>
<td>53 kg</td>
<td>1</td>
</tr>
<tr>
<td>800 mm to 3200 mm</td>
<td>1635 mm</td>
<td>69 kg</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Design</th>
<th>Size mm</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adjusting ring for axle diameter 51 mm</td>
<td>Overall height</td>
<td>Weight</td>
<td></td>
</tr>
<tr>
<td>Adjusting ring for axle diameter 76 mm</td>
<td>1</td>
<td>14 7028</td>
<td></td>
</tr>
</tbody>
</table>

Mini cable drum hoist HYDROKAT
Hydraulic cable drum hoist, for smaller drum diameters, safe load loading thanks to double columns, capacity of up to 4,000 kg per pair, four-fold height-adjustable axle bearing shell, lifting height of 100 mm, floor space 400 x 200 mm

<table>
<thead>
<tr>
<th>Design</th>
<th>Size mm</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drum axles</td>
<td>with diameter</td>
<td>Overall height</td>
<td>Weight</td>
</tr>
<tr>
<td>500 mm to 1100 mm</td>
<td>735 mm</td>
<td>18 kg</td>
<td>1</td>
</tr>
</tbody>
</table>

Drum axle shells
made from heavy galvanised tubular steel

<table>
<thead>
<tr>
<th>Design</th>
<th>Size mm</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>Length</td>
<td>Axle ø</td>
<td>Weight</td>
</tr>
<tr>
<td>3000 kg</td>
<td>1500 mm</td>
<td>51 mm</td>
<td>18 kg</td>
</tr>
<tr>
<td>8000 kg</td>
<td>1850 mm</td>
<td>76 mm</td>
<td>41 kg</td>
</tr>
<tr>
<td>8000 kg</td>
<td>2200 mm</td>
<td>76 mm</td>
<td>45 kg</td>
</tr>
</tbody>
</table>

Drum axle shells
made from galvanised steel

Cable laying aids for tray ends and straight sections TAXIMAX
Prevention of cable damage when dealing with tray ends with sharp edges. Can also be used in the event of overcrowding of the cable trays. No further technician is required, even when dealing with longer routes! Galvanised, metal design complete with ball bearing-mounted aluminium rollers on both sides. With lateral elongated holes for the fastening of cable ties to the trays (if already occupied with cables). Max. cable diameter 70 mm.

<table>
<thead>
<tr>
<th>Design</th>
<th>Size mm</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adjustable for different rung and lattice distances</td>
<td></td>
<td>1</td>
<td>14 2760</td>
</tr>
<tr>
<td>With chamfered sheet metal</td>
<td></td>
<td>1</td>
<td>14 2762</td>
</tr>
</tbody>
</table>

Cable laying aid for TAXIFIX tray offset
Prevention of cable damage on sharp corners. Can also be used in the event of overcrowding of the cable trays. No further technician is required, even when dealing with longer routes! Metal design (red, powder-coated) with four aluminium rollers, arrangement of the rollers in cable shape (curved) and locking system for the loading and removal of cables, retainer for screwing onto the tray. Max. cable diameter 75 mm.

<table>
<thead>
<tr>
<th>Design</th>
<th>Size mm</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal case, 2 dispensing aids, 2 screw retainers</td>
<td></td>
<td>1</td>
<td>14 2764</td>
</tr>
<tr>
<td>Metal case, 4 dispensing aids, 4 screw retainers</td>
<td></td>
<td>1</td>
<td>14 2766</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Design</th>
<th>Size mm</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>XL additional retainer</td>
<td>Width 100 mm</td>
<td>1</td>
<td>14 2768</td>
</tr>
</tbody>
</table>

Advice and ordering: Phone: 02191 3718-01, Fax: 02191 3718-85, Email: bestellung@cimco.de
**CABLE SPOOLING AND CABLE PULLING AIDS**

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<th>Design</th>
<th>Size mm</th>
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<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cable pulling aids</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Plastic winding rods</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Made from stretched monofilament, with solid steel end pieces and additional lead spring, approx. 130 mm in length, cable lugs on both ends, material ø 4 mm, tensile strength 900 N</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 m</td>
<td>1</td>
<td>14 0052</td>
<td></td>
</tr>
<tr>
<td>10 m</td>
<td>1</td>
<td>14 0054</td>
<td></td>
</tr>
<tr>
<td>15 m</td>
<td>1</td>
<td>14 0056</td>
<td></td>
</tr>
<tr>
<td>20 m</td>
<td>1</td>
<td>14 0058</td>
<td></td>
</tr>
<tr>
<td>25 m</td>
<td>1</td>
<td>14 0060</td>
<td></td>
</tr>
<tr>
<td>30 m</td>
<td>1</td>
<td>14 0062</td>
<td></td>
</tr>
<tr>
<td><strong>Crimping pliers for the repair of plastic winding rod</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compound leverage crimping pliers with automatic ratchet mechanism and square profile crimping inserts, for the repair of CIMCO plastic winding rods with 4 mm ø.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>220</td>
<td>1</td>
<td>10 6114</td>
<td></td>
</tr>
<tr>
<td>End piece/lug for plastic rod</td>
<td>1</td>
<td>14 0065</td>
<td></td>
</tr>
<tr>
<td>Lead spring for plastic rod</td>
<td>1</td>
<td>14 0067</td>
<td></td>
</tr>
<tr>
<td>Coupling for plastic rod</td>
<td>1</td>
<td>14 0069</td>
<td></td>
</tr>
<tr>
<td><strong>Crimping pliers set for plastic rods</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>in [CIMCO] PSC vario-240 component boxes, with crimping pliers CIMCO article no. 10 6114. Contents: 10 lead springs pre-fitted with coupling piece, 10 end pieces</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>31-piece</td>
<td>240 x 190 x 60 mm</td>
<td>1</td>
<td>10 6314</td>
</tr>
<tr>
<td><strong>Winding spirals EFLEX</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Made from fourfold-rolled steel wire spirals, with solid steel end pieces, ø 4 mm shafts, tensile strength 500 N</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 m</td>
<td>1</td>
<td>14 0040</td>
<td></td>
</tr>
<tr>
<td>10 m</td>
<td>1</td>
<td>14 0042</td>
<td></td>
</tr>
<tr>
<td>15 m</td>
<td>1</td>
<td>14 0044</td>
<td></td>
</tr>
<tr>
<td>20 m</td>
<td>1</td>
<td>14 0046</td>
<td></td>
</tr>
<tr>
<td>25 m</td>
<td>1</td>
<td>14 0048</td>
<td></td>
</tr>
<tr>
<td>30 m</td>
<td>1</td>
<td>14 0050</td>
<td></td>
</tr>
<tr>
<td><strong>Steel winding rods</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>with 2 winding lugs, high-frequency welded, rod thickness 3.5 x 0.5 mm, tensile strength 900 N</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 m</td>
<td>1</td>
<td>14 0004</td>
<td></td>
</tr>
<tr>
<td>15 m</td>
<td>1</td>
<td>14 0006</td>
<td></td>
</tr>
<tr>
<td>20 m</td>
<td>1</td>
<td>14 0008</td>
<td></td>
</tr>
<tr>
<td>25 m</td>
<td>1</td>
<td>14 0010</td>
<td></td>
</tr>
<tr>
<td><strong>Cable pilot set</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cable guiding heads for directly inserting many common cables into short empty conduit routes. Set consisting of small cable pilot (for coaxial cables, NYM 3 x 1.5 mm² etc.) and large cable pilot (for cables NYM 3 x 2.5 mm² - 5 x 1.5 mm² - 5 x 2.5 mm² etc.)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>14 2188</td>
<td></td>
</tr>
<tr>
<td><strong>Cable guiding heads for domestic connection cables</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Simply screw on to the cable end and push the cable directly into the short empty conduits (approx. 10 to 20 m), no damage caused to cables that have already been laid, no deployment of laborious underground cable laying systems required, made from solid aluminium</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>for cables up to 22 mm ø</td>
<td>1</td>
<td>14 2182</td>
<td></td>
</tr>
<tr>
<td>for cables from 20 to 30 mm ø</td>
<td>1</td>
<td>14 2184</td>
<td></td>
</tr>
<tr>
<td>for cables from 30 to 50 mm ø</td>
<td>1</td>
<td>14 2186</td>
<td></td>
</tr>
</tbody>
</table>
**Fibre glass push rod set**
The perfect solution for laying cables in suspended ceilings or confined spaces. With an M5 inside or outside threaded sleeve at the end of the push rod for an optional extension. Including LED viewing probe for sufficient light and a sliding attachment for obstacles. Supplied in a practical bag with attachment option (e.g. on ladders).

Also without available cable ducts, empty conduits or other cable runs.

- 3 push rods ø 6 mm, length 1 m
- 7 push rods ø 8 mm, length 1 m
- 1 sliding attachment
  - 1 LED lamp
  - 1 hook
  - 1 chain
  - 1 magnet
  - 1 adapter from M 6 to M 5

Supplied in a practical bag with attachment option (e.g. on ladders).

<table>
<thead>
<tr>
<th>Design</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fibre glass push rod set</td>
<td>1</td>
<td>14 6270</td>
</tr>
</tbody>
</table>

**Push rod extension set:**
- 3 push rods ø 6 mm, length 1 m
- 3 push rods ø 8 mm, length 1 m

<table>
<thead>
<tr>
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<th>PU</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Push rod extension set</td>
<td>1</td>
<td>14 6271</td>
</tr>
</tbody>
</table>

**Push rod accessory set:**
- 1 sliding attachment
  - 1 LED lamp
  - 1 hook
  - 1 chain
  - 1 magnet
  - 1 adapter from M 6 to M 5

<table>
<thead>
<tr>
<th>Design</th>
<th>PU</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Push rod accessory set</td>
<td>1</td>
<td>14 6292</td>
</tr>
</tbody>
</table>
Rational cable winding devices for professional electricians
Polykat® – The fibreglass rod

Polykat® fibreglass rods are the basic elements of all cable pulling systems from Katimex®. The combination of extreme bending strength and maximum thrust stability provides the rod with the characteristics of a flexible rod. As a result, extremely small bending radii are possible and narrow pipe bends can be passed through easily. The smooth plastic coating has excellent sliding properties and reduces the friction resistance to a minimum. It is distinguished by high wear resistance. The high elasticity of Polykat® fibreglass rods enables the construction of unrivalled small, compact and handy devices.

<table>
<thead>
<tr>
<th>Fibreglass rod diameter</th>
<th>Kati Blitz</th>
<th>Kati Blitz 2.0</th>
<th>Kabelmax®</th>
<th>Kabeljet®</th>
<th>Röhrena®</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3.0 mm</td>
<td>4.5 mm</td>
<td>7.2 mm</td>
<td>9.0 mm</td>
<td>11.0 mm</td>
</tr>
<tr>
<td>Minimum bending radius</td>
<td>50 mm</td>
<td>100 mm</td>
<td>160 mm</td>
<td>200 mm</td>
<td>250 mm</td>
</tr>
<tr>
<td>with rod end 2.0 from 30 mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rod tensile strength</td>
<td>5.0 kN</td>
<td>10.3 kN</td>
<td>28.0 kN</td>
<td>40.0 kN</td>
<td>65.0 kN</td>
</tr>
<tr>
<td>Tested tensile strength of the rod - sleeve connection</td>
<td>1.0 kN</td>
<td>1.5 kN</td>
<td>7.5 kN</td>
<td>10.0 kN</td>
<td>15.0 kN</td>
</tr>
<tr>
<td>Sleeve - rod fastening</td>
<td>glued</td>
<td>glued and pinned</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Common empty conduit diameter to nominal diameter</td>
<td>30 mm</td>
<td>60 mm</td>
<td>80 mm</td>
<td>100 mm</td>
<td>250 mm</td>
</tr>
<tr>
<td>Maximum winding lengths up to</td>
<td>50 m</td>
<td>80 m</td>
<td>120 m</td>
<td>150 m</td>
<td>500 m</td>
</tr>
<tr>
<td>Thread of the rod ends and connecting sleeves</td>
<td>M 5</td>
<td>M 12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Typical fields of application</td>
<td>Signal system construction (traffic lights), street lighting, underground and telecommunications cabling</td>
<td>Underground line construction, telecommunication and energy cabling</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### CABLE SPOOLING AND CABLE PULLING AIDS

<table>
<thead>
<tr>
<th>Design</th>
<th>Size m</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>KATI Blitz Ortung - Comfortable cable winding</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Same cable winding device as with the Kati® Blitz but with additional detection function via common cable detectors. Targeted location and tracking of the pipe path or blocked places. With reliable Polykat® fiberglass profile in impact-resistant housing. No moving external parts and interchangeable slip ring transmitters.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>With integrated accessory set and special gripping aid Kati® Grip, each set contains 1 guide head 7 - 10 mm ø, 3 rod ends and 2 rod ends 2.0 on the rod, 3 connecting sleeves, 5 cable lugs, 1 cable draw grip 6 - 9 mm ø, 1 fibreglass fix adhesive (3 g bottle).</td>
<td>30 m</td>
<td>1</td>
<td>14 2034</td>
</tr>
<tr>
<td><strong>KATI Blitzcompact - Comfortable cable winding</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>With integrated accessory set and special gripping aid Kati® Grip, each set contains 1 guide head 7 - 10 mm ø, 3 rod ends and 2 rod ends 2.0 on the rod, 3 connecting sleeves, 5 cable lugs, 1 cable draw grip 6 - 9 mm ø, 1 fibreglass fix adhesive (3 g bottle).</td>
<td>20 m</td>
<td>1</td>
<td>14 2020</td>
</tr>
<tr>
<td></td>
<td>30 m</td>
<td>1</td>
<td>14 2024</td>
</tr>
<tr>
<td></td>
<td>50 m</td>
<td>1</td>
<td>14 2028</td>
</tr>
<tr>
<td><strong>KATI Blitz Ortung - 2.0 Comfortable cable winding</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Same cable winding device as with the Kati® Blitz 2.0, but with additional detection function (connection at the front). Internal, protected slip ring transmitter. Targeted location and tracking of the pipe path or blocked places. With reliable Polykat® fiberglass profile in impact-resistant housing. With integrated accessory set, in each case with 2 guide heads 7 and 10 mm ø, 2 rod ends 2.0 and 2 rod ends 2.0 on the rod, 3 connecting sleeves, 5 cable lugs, 1 cable draw grip 6 - 9 mm ø, 1 fibreglass fix adhesive (3 g bottle).</td>
<td>30 m</td>
<td>1</td>
<td>14 4630</td>
</tr>
<tr>
<td></td>
<td>20 m</td>
<td>1</td>
<td>14 1620</td>
</tr>
<tr>
<td></td>
<td>30 m</td>
<td>1</td>
<td>14 1630</td>
</tr>
<tr>
<td></td>
<td>50 m</td>
<td>1</td>
<td>14 1650</td>
</tr>
<tr>
<td><strong>KATI Blitzcompact - 2.0 Comfortable cable winding</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>with crank function for winding the rod into the housing, improved service cover and wear-resistant tie outlet. With integrated accessory set, in each case with 2 guide heads 7 and 10 mm ø, 2 rod ends 2.0 and 2 rod ends 2.0 on the rod, 3 connecting sleeves, 5 cable lugs, 1 cable draw grip 6 - 9 mm ø, 1 fibreglass fix adhesive (3 g bottle).</td>
<td>30 m</td>
<td>1</td>
<td>14 1630</td>
</tr>
<tr>
<td>without crank function</td>
<td>50 m</td>
<td>1</td>
<td>14 1650</td>
</tr>
<tr>
<td><strong>KATI Blitz - EASY GRIP</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>For the energy-saving and fatigue-free insertion of a 3 mm fibreglass rod into empty conduits. The transfer of force takes place by means of a two-jaw clamping system with form-fitting connection to the fibreglass rod. Max. thrust power: 20 kg</td>
<td>1</td>
<td></td>
<td>14 2180</td>
</tr>
<tr>
<td>PowerDrive cable pull system</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>For lightning-fast transportation of fibreglass rods (Ø 3.0 mm) in confined spaces, even in places which are difficult to access. Drive takes place by means of a commercially available cordless screwdriver with 1/4” hex drive. For trouble-free operation, we recommend the use of the cable pull products of the Kati® Blitz series and the guide heads.</td>
<td>1</td>
<td></td>
<td>14 2360</td>
</tr>
<tr>
<td><strong>KATI Blitz - Replacement bar</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>For Kati® Blitz compact and Kati® Blitz 2.0, with 2 rod ends 2.0</td>
<td>20 m</td>
<td>1</td>
<td>14 2120</td>
</tr>
<tr>
<td></td>
<td>30 m</td>
<td>1</td>
<td>14 2122</td>
</tr>
<tr>
<td></td>
<td>50 m</td>
<td>1</td>
<td>14 2124</td>
</tr>
<tr>
<td><strong>KATI Blitz Ortung - Replacement bar</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>For Kati® Blitz detection 2.0 with 2 rod ends 2.0</td>
<td>30 m</td>
<td>1</td>
<td>14 2035</td>
</tr>
</tbody>
</table>

Advice and ordering: Phone: 02191 3718-01, Fax: 02191 3718-85, Email: bestellung@cimco.de

**Product video**

**PowerDrive cable pull system**

[QR Code for video]
### Flexible guide head 2.0
Due to its conical shape, the flexible guide head 2.0 offers optimum transmission of the bending forces in the fibreglass profile when passing through tight bends. The guide head is not subject to material fatigue, as with e.g. a spring guide head. Together with the new rod ends 2.0, it forms the optimum tool for passing through very tight bends. Bend radii of 30 mm are feasible.

<table>
<thead>
<tr>
<th>Design</th>
<th>Size mm</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head Ø</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 mm</td>
<td>1</td>
<td>141072</td>
<td></td>
</tr>
<tr>
<td>10 mm</td>
<td>1</td>
<td>141073</td>
<td></td>
</tr>
<tr>
<td>13 mm</td>
<td>1</td>
<td>141074</td>
<td></td>
</tr>
</tbody>
</table>

### Flexible guide head 2.0 set
7, 10, 13 mm 1 141078

### Guide head
Brass, with M 5 inside thread, suitable for all lengths as well as for all Kabelmax®-devices

<table>
<thead>
<tr>
<th>Design</th>
<th>Size mm</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head Ø</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 mm</td>
<td>1</td>
<td>142130</td>
<td></td>
</tr>
<tr>
<td>10 mm</td>
<td>1</td>
<td>142132</td>
<td></td>
</tr>
<tr>
<td>13 mm</td>
<td>1</td>
<td>142134</td>
<td></td>
</tr>
</tbody>
</table>

### Guide head set
Each with 1 guide head

<table>
<thead>
<tr>
<th>Design</th>
<th>Size mm</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rod ends 2.0</td>
<td>1</td>
<td>142140</td>
<td></td>
</tr>
</tbody>
</table>

### Rod ends 2.0
Brass, with M 5 outside thread and plastic sheath, suitable for all lengths

<table>
<thead>
<tr>
<th>Design</th>
<th>Size mm</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable lug</td>
<td>1</td>
<td>142144</td>
<td></td>
</tr>
</tbody>
</table>

### Connecting sleeve
Brass, suitable for all lengths

<table>
<thead>
<tr>
<th>Design</th>
<th>Size mm</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable draw grip</td>
<td>1</td>
<td>142146</td>
<td></td>
</tr>
</tbody>
</table>

### Service Set 2.0
Set of accessories and replacement parts for all Kati® Blitz products, consisting of

<table>
<thead>
<tr>
<th>Design</th>
<th>Size mm</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Rod ends 2.0</td>
<td></td>
<td>1421070</td>
<td></td>
</tr>
<tr>
<td>5 Cable lugs</td>
<td></td>
<td>142144</td>
<td></td>
</tr>
<tr>
<td>3 Connecting sleeves</td>
<td>4</td>
<td>142146</td>
<td></td>
</tr>
<tr>
<td>1 Glass fibre special adhesive</td>
<td>5</td>
<td>1421080</td>
<td></td>
</tr>
<tr>
<td>12-piece</td>
<td>1</td>
<td>1421080</td>
<td></td>
</tr>
</tbody>
</table>
CABLE SPOOLING AND CABLE PULLING AIDS

<table>
<thead>
<tr>
<th>Design</th>
<th>Size</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
</table>

### Kati® Blitz Mini

Kati® Blitz Mini has been developed especially to meet the growing demands for subsequent fibre optic cable installations in existing, already occupied empty conduits.

There, where conventional pulling devices are no longer adequate, with a glass fibre profile of only 1.2 mm in diameter, the Kati® Blitz Mini shows its full potential. In particular the subsequent laying of fibre optic cables is simplified with the Kati® Blitz Mini, or is often only possible and therefore makes it the ideal helper when pulling fibre optic cables into buildings. Besides the small diameter, the specially developed Polykat Mini fibreglass profile distinguishes itself through high rod strength and thrust stability, as well as a very small bending radius of 15 mm. Together with the Flexible guide head Mini, whose special contour enables the passage through tight places and bends, and a low-friction guide tube, which guides and protects the rod, the push-in procedure into an occupied empty conduit takes place quickly and simply by hand. In addition the guide tube protects against breakages when pulling the rod back.

**Supplied accessories:**
- 5 flexible guide heads M 2.5 with inside thread, 7 rod ends M 2.5 with outside thread, 1 guide tube 2.5 m with securing sleeve, 1 insulating tape 15 mm for fixing the fibre optic cable to the flexible guide head, 1 sanding pad 50 x 50 mm, 1 special adhesive 3 g

**Product advantages at a glance:**
- Flexible guide head Mini: special contour for passing through tight spaces and bends.
- Rotating rod cassette: by rotating the cassette the rod is pushed into the empty conduit.
- Axle bearing cassette: high reset force of the Polykat Mini supports the automatic run-out of the rod.
- Guide tube: Protects and guides the profile when pulling in, when pulling back the risk of rod breakages is reduced considerably.
- Grip plate with rod stop: Prevents the automatic run-out of the rod in the idle state.

#### Rod length

<table>
<thead>
<tr>
<th>Length (m)</th>
<th>Tensile Strength (kN)</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>1.3</td>
<td>1</td>
<td>14 2060</td>
</tr>
<tr>
<td>25</td>
<td>1.3</td>
<td>1</td>
<td>14 2062</td>
</tr>
<tr>
<td>35</td>
<td>1.3</td>
<td>1</td>
<td>14 2064</td>
</tr>
</tbody>
</table>

### Kati® Blitz Mini accessories

**Replacement rod**

Coiled in cassette, 2 rod ends with outside thread M 2.5 and 1 Flexible guide head Mini, rod length

<table>
<thead>
<tr>
<th>Length (m)</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>1</td>
<td>14 2066</td>
</tr>
<tr>
<td>25</td>
<td>1</td>
<td>14 2068</td>
</tr>
<tr>
<td>35</td>
<td>1</td>
<td>14 2070</td>
</tr>
</tbody>
</table>

**Service set**

10 Mini rod ends, 1 special adhesive 3 g, 1 sanding pad 50 x 50 mm, 1 insulating tape 15 mm

<table>
<thead>
<tr>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>14 2072</td>
<td></td>
</tr>
</tbody>
</table>

**Flexible guide head**

with inside thread M 2.5

<table>
<thead>
<tr>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>14 2074</td>
<td></td>
</tr>
</tbody>
</table>

**Guide tube 2.5 m**

Low-friction tube with securing sleeve, fitted on tube

<table>
<thead>
<tr>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>14 2076</td>
<td></td>
</tr>
</tbody>
</table>

**Rod end**

Brass, with M 2.5 outside thread

<table>
<thead>
<tr>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>14 2078</td>
<td></td>
</tr>
</tbody>
</table>

Advice and ordering: Phone: 02191 3718-01, Fax: 02191 3718-85, Email: bestellung@cimco.de
**Kati® Twist**
The new wear-resistant polyester ties are characterised by their high thrust stability and the low frictional resistance (up to 60% lower than conventional plastic or steel ties) in empty conduits

- Extremely good bending and sliding properties
- Maximum tensile load on rod ends (M5): 200 kg
- Repairable in the event of a rod breakage (press-on rod ends)
- Tensile strength/rod: 4.0 kN
- All accessories of Kati® Blitz and Kabelmax® are compatible

<table>
<thead>
<tr>
<th>Design</th>
<th>Size  m</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ø 4.5 mm</td>
<td>Length 15 m</td>
<td>1</td>
<td>14 2540</td>
</tr>
<tr>
<td>ø 4.5 mm</td>
<td>Length 25 m</td>
<td>1</td>
<td>14 2545</td>
</tr>
<tr>
<td>ø 5.2 mm</td>
<td>Length 20 m</td>
<td>1</td>
<td>14 2555</td>
</tr>
<tr>
<td>ø 5.2 mm</td>
<td>Length 40 m</td>
<td>1</td>
<td>14 2556</td>
</tr>
<tr>
<td>ø 6.0 mm</td>
<td>Length 40 m</td>
<td>1</td>
<td>14 2565</td>
</tr>
</tbody>
</table>

**Steel winder Kati® Twist**
Including 1 spring guide head ø 10 mm, 1 brass draw head with lug ø 6 mm (thread M5), 2 brass rod ends (thread M5)

<table>
<thead>
<tr>
<th>Design</th>
<th>Size  m</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ø 4.5 mm</td>
<td>Length 25 m</td>
<td>1</td>
<td>14 2541</td>
</tr>
<tr>
<td>ø 5.2 mm</td>
<td>Length 20 m</td>
<td>1</td>
<td>14 2550</td>
</tr>
<tr>
<td>ø 5.2 mm</td>
<td>Length 40 m</td>
<td>1</td>
<td>14 2551</td>
</tr>
<tr>
<td>ø 6.0 mm</td>
<td>Length 40 m</td>
<td>1</td>
<td>14 2560</td>
</tr>
</tbody>
</table>

**Kati® Twist repair set**
3 press-on rod ends (crimp shape 16 mm²)

<table>
<thead>
<tr>
<th>Design</th>
<th>Size  m</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ø 4.5 mm</td>
<td></td>
<td>1</td>
<td>14 1249</td>
</tr>
<tr>
<td>ø 5.2 mm</td>
<td></td>
<td>1</td>
<td>14 1251</td>
</tr>
<tr>
<td>ø 6.0 mm</td>
<td></td>
<td>1</td>
<td>14 1252</td>
</tr>
</tbody>
</table>

**Kabelmax®—The professional class underground cable pulling system**
For the problem-free pulling of cables into empty or occupied cable ducts or pipes with ø of up to 60 mm.
Cable pulling device for underground conduits complete with 4.5 mm ø glass fibre profile, 2 M 5 rod ends, 11 mm ø pulling eye with 6 mm ø cable lug

<table>
<thead>
<tr>
<th>Design</th>
<th>Size  m</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECONOMY design</td>
<td>40 m</td>
<td>1</td>
<td>14 1796</td>
</tr>
<tr>
<td>5 M5 rod ends, 11 mm ø pulling eye, 2 6 mm ø cable lugs, 3 connecting sleeves, special adhesive 3 g and service bag</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steel tube frame with ball bearing-mounted aluminium winch</td>
<td>60 m</td>
<td>1</td>
<td>14 1802</td>
</tr>
<tr>
<td>Steel tube frame with ball bearing-mounted aluminium winch</td>
<td>80 m</td>
<td>1</td>
<td>14 1806</td>
</tr>
</tbody>
</table>

**Kabelmax® replacement rod**
4.5 mm ø glass fibre profile, M 5 rod ends attached at both ends, 1x 11 mm ø pulling eye complete with 1x 6 mm ø cable lug

<table>
<thead>
<tr>
<th>Design</th>
<th>Size  m</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 m</td>
<td></td>
<td>1</td>
<td>14 1808</td>
</tr>
<tr>
<td>60 m</td>
<td></td>
<td>1</td>
<td>14 1812</td>
</tr>
<tr>
<td>80 m</td>
<td></td>
<td>1</td>
<td>14 1816</td>
</tr>
</tbody>
</table>

**Rod end**
Brass, with M 5 outside thread

<table>
<thead>
<tr>
<th>Design</th>
<th>Size  m</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>14 1842</td>
</tr>
</tbody>
</table>

**Pulling eye**
Brass, 11 mm ø with M 5 inside thread and 6 mm ø cable lug

<table>
<thead>
<tr>
<th>Design</th>
<th>Size  m</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>14 1844</td>
</tr>
</tbody>
</table>
CABLE SPOOLING AND CABLE PULLING AIDS

<table>
<thead>
<tr>
<th>Design</th>
<th>Size m</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connecting sleeve</td>
<td>Brass</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>14 1846</td>
</tr>
<tr>
<td>Service set for Kabelmax®</td>
<td>consisting of 5 rod ends, 3 connecting sleeves, 1 guide head with lug and 1 bottle of special adhesive.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Weight approx. 45 g</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>14 2163</td>
</tr>
<tr>
<td>Cable draw grips made from galvanised steel wire</td>
<td>For domestic installation, with cable lug woven into the loop, M 5 inside thread, suitable for all Kati® Blitz and Kabelmax® devices</td>
<td></td>
<td></td>
</tr>
<tr>
<td>for cable ø mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>4 - 6</td>
<td>1</td>
<td>14 2500</td>
</tr>
<tr>
<td></td>
<td>6 - 9</td>
<td>1</td>
<td>14 2498</td>
</tr>
<tr>
<td></td>
<td>9 - 12</td>
<td>1</td>
<td>14 2501</td>
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<td></td>
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<td>14 2503</td>
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<tr>
<td></td>
<td>19 - 25</td>
<td>1</td>
<td>14 2504</td>
</tr>
<tr>
<td></td>
<td>25 - 31</td>
<td>1</td>
<td>14 2505</td>
</tr>
<tr>
<td>Cordless drill drive for Kati® Blitz and Kabelmax®</td>
<td>Through the connection to a standard battery-powered drill already available on the construction site, the drive for the cable pulling devices Kati® Blitz and Kabelmax® enables the comfortable, motorised insertion of the glass fibre rods into empty conduits and underground ducts. The advantages of insertion at the push of a button can be seen when cabling longer routes. The speed can be regulated individually. Weight only 270 g.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drive for Kati® Blitz</td>
<td></td>
<td>1</td>
<td>14 2350</td>
</tr>
<tr>
<td>Drive for Kabelmax®</td>
<td></td>
<td>1</td>
<td>14 2352</td>
</tr>
<tr>
<td>Kabeljet® – The variable cable pulling system</td>
<td>Galvanised, collapsible steel tube frame complete with 7.2 mm ø fibreglass rod, 2x M 12 rod ends, 25 mm ø pulling eye, shackle with pin, 1 connecting sleeve and 4 clamping sleeves, 1 special adhesive 20 g and service bag</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>40 m</td>
<td>1</td>
<td>14 2220</td>
</tr>
<tr>
<td></td>
<td>60 m</td>
<td>1</td>
<td>14 2221</td>
</tr>
<tr>
<td></td>
<td>80 m</td>
<td>1</td>
<td>14 2222</td>
</tr>
<tr>
<td></td>
<td>100 m</td>
<td>1</td>
<td>14 2223</td>
</tr>
<tr>
<td></td>
<td>120 m</td>
<td>1</td>
<td>14 2224</td>
</tr>
<tr>
<td>Kabeljet® replacement rod</td>
<td>7.2 mm ø fibreglass rod, two M 12 rod ends, 25 mm ø pulling eye, shackle</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>40 m</td>
<td>1</td>
<td>14 2225</td>
</tr>
<tr>
<td></td>
<td>60 m</td>
<td>1</td>
<td>14 2226</td>
</tr>
<tr>
<td></td>
<td>80 m</td>
<td>1</td>
<td>14 2227</td>
</tr>
<tr>
<td></td>
<td>100 m</td>
<td>1</td>
<td>14 2228</td>
</tr>
<tr>
<td></td>
<td>120 m</td>
<td>1</td>
<td>14 2229</td>
</tr>
<tr>
<td>Rod end</td>
<td>Brass, with M 12 outside thread</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>14 2230</td>
</tr>
<tr>
<td>Connecting sleeve</td>
<td>Brass, for 7.2 mm ø fibreglass rod</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>14 2231</td>
</tr>
</tbody>
</table>

Advice and ordering: Phone: 02191 3718-01, Fax: 02191 3718-85, Email: bestellung@cimco.de
Pipe eel® - The cable pulling system for underground cabling
Galvanised steel tube frame, mobile on rollers, ball bearing mounted winch with integrated parking brake, complete with fibreglass rod, 2x M 12 rod ends, 25 mm ø pulling eye, shackle, 1 connecting sleeve and 4 clamping sleeves, 1 special adhesive 20 g and service bag.

<table>
<thead>
<tr>
<th>Rod thickness ø</th>
<th>Winch ø</th>
<th>Length m</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 mm</td>
<td>750 mm</td>
<td>40 1</td>
<td>14 2240</td>
</tr>
<tr>
<td></td>
<td></td>
<td>60 1</td>
<td>14 2241</td>
</tr>
<tr>
<td></td>
<td></td>
<td>80 1</td>
<td>14 2242</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100 1</td>
<td>14 2243</td>
</tr>
<tr>
<td></td>
<td></td>
<td>120 1</td>
<td>14 2244</td>
</tr>
<tr>
<td></td>
<td></td>
<td>150 1</td>
<td>14 2245</td>
</tr>
<tr>
<td>11 mm</td>
<td>1000 mm</td>
<td>150 1</td>
<td>14 2250</td>
</tr>
<tr>
<td></td>
<td></td>
<td>200 1</td>
<td>14 2251</td>
</tr>
<tr>
<td></td>
<td></td>
<td>250 1</td>
<td>14 2252</td>
</tr>
<tr>
<td></td>
<td></td>
<td>300 1</td>
<td>14 2253</td>
</tr>
</tbody>
</table>

Rod lengths up to 500 m and rods with positioning function on request.

Pipe eel® replacement rod
Two M 12 rod ends, 25 mm ø pulling eye, shackle.

<table>
<thead>
<tr>
<th>Rod thickness ø</th>
<th>Length m</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 mm</td>
<td>40 1</td>
<td>14 2270</td>
</tr>
<tr>
<td></td>
<td>60 1</td>
<td>14 2271</td>
</tr>
<tr>
<td></td>
<td>80 1</td>
<td>14 2272</td>
</tr>
<tr>
<td></td>
<td>100 1</td>
<td>14 2273</td>
</tr>
<tr>
<td></td>
<td>120 1</td>
<td>14 2274</td>
</tr>
<tr>
<td></td>
<td>150 1</td>
<td>14 2275</td>
</tr>
<tr>
<td>11 mm</td>
<td>150 1</td>
<td>14 2276</td>
</tr>
<tr>
<td></td>
<td>200 1</td>
<td>14 2277</td>
</tr>
<tr>
<td></td>
<td>250 1</td>
<td>14 2278</td>
</tr>
</tbody>
</table>

Rod ends
Brass, M 12 outside thread.

| for 9 mm ø rod  | 1 14 2285 |
| for 11 mm ø rod | 1 14 2286 |

Connecting sleeves
Brass.

| for 9 mm ø rod  | 1 14 2290 |
| for 11 mm ø rod | 1 14 2291 |

Length measuring device for pipe eel®
for quickly and simply determining lengths on underground pipe trays. Pipe blockages, fractures and other defects can be accurately located. No more annoying re-measurements, pacing off or marking and all of this with a significantly higher measuring accuracy. The device can be effortlessly retrofitted to all standard pulling devices.

| 120 mm x 115 mm x 110 mm | 1 14 2310 |

Accessories for Kabeljet® and Pipe Eel®

Pulling eye
Aluminium, 25 mm ø, length 60 mm, M 12 inside thread

| 1 14 2280 |
## CABLE SPOOLING AND CABLE PULLING AIDS

<table>
<thead>
<tr>
<th>Design</th>
<th>Size mm</th>
<th>PU</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Guide head</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aluminium, 40 mm ø, length 80 mm, M 12 inside thread</td>
<td>1</td>
<td>14 2281</td>
<td></td>
</tr>
<tr>
<td>with cable lug, 18 mm</td>
<td>1</td>
<td>14 3208</td>
<td></td>
</tr>
<tr>
<td><strong>Shackle</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shape according to DIN 82101, galvanised, maximum capacity 4 kN</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pin diameter 10 mm</td>
<td>1</td>
<td>14 2292</td>
<td></td>
</tr>
<tr>
<td>Pin diameter 12 mm</td>
<td>1</td>
<td>14 1494</td>
<td></td>
</tr>
<tr>
<td><strong>Connecting pin</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>For coupling multiple fibreglass rods together, galvanised steel, two M 12 connecting threads</td>
<td>1</td>
<td>14 2293</td>
<td></td>
</tr>
<tr>
<td><strong>Twist compensation pin</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>With double stainless steel axial bearings, for connecting draw grip and shackle</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outer ø</td>
<td>Max. tensile load</td>
<td>Length</td>
<td>1</td>
</tr>
<tr>
<td>16 mm</td>
<td>3.3 kN</td>
<td>64 mm</td>
<td>1</td>
</tr>
<tr>
<td>22 mm</td>
<td>10.0 kN</td>
<td>86 mm</td>
<td>1</td>
</tr>
<tr>
<td>25 mm</td>
<td>15.6 kN</td>
<td>98 mm</td>
<td>1</td>
</tr>
<tr>
<td><strong>Service sets for Kabeljet® and Pipe Eel®</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Each consisting of 2 rod ends, 1 connecting sleeve, 2 clamping sleeves and 20 g bottle of special adhesive. Weight approx. 150 g</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>for Kabeljet with 7.2 mm rod diameter</td>
<td>1</td>
<td>14 2160</td>
<td></td>
</tr>
<tr>
<td>for Pipe Eel with 9 mm rod diameter</td>
<td>1</td>
<td>14 2161</td>
<td></td>
</tr>
<tr>
<td>for Pipe Eel with 11 mm rod diameter</td>
<td>1</td>
<td>14 2162</td>
<td></td>
</tr>
<tr>
<td>Further accessories such as twist compensation pin, pipe cleaning and duct brushes or gathering devices can be supplied on request.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Cable draw grips made from galvanised steel wire</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>For underground cabling, with 1 crimped cable loop</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>for cable ø mm</td>
<td>1</td>
<td>14 2506</td>
<td></td>
</tr>
<tr>
<td>10 - 20</td>
<td>1</td>
<td>14 2507</td>
<td></td>
</tr>
<tr>
<td>20 - 30</td>
<td>1</td>
<td>14 2508</td>
<td></td>
</tr>
<tr>
<td>30 - 40</td>
<td>1</td>
<td>14 2509</td>
<td></td>
</tr>
<tr>
<td>40 - 50</td>
<td>1</td>
<td>14 2510</td>
<td></td>
</tr>
<tr>
<td>50 - 65</td>
<td>1</td>
<td>14 2511</td>
<td></td>
</tr>
<tr>
<td>65 - 80</td>
<td>1</td>
<td>14 2512</td>
<td></td>
</tr>
<tr>
<td>For underground cabling, with 2 crimped cable loops</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>for cable ø mm</td>
<td>1</td>
<td>14 2520</td>
<td></td>
</tr>
<tr>
<td>10 - 20</td>
<td>1</td>
<td>14 2521</td>
<td></td>
</tr>
<tr>
<td>20 - 30</td>
<td>1</td>
<td>14 2522</td>
<td></td>
</tr>
<tr>
<td>30 - 40</td>
<td>1</td>
<td>14 2523</td>
<td></td>
</tr>
<tr>
<td>40 - 50</td>
<td>1</td>
<td>14 2524</td>
<td></td>
</tr>
<tr>
<td>50 - 65</td>
<td>1</td>
<td>14 2525</td>
<td></td>
</tr>
</tbody>
</table>
Special design cable draw grips
Various special cable draw grips for specific applications, such as those listed below, can be supplied at short notice:
- Larger dimensions
- Cable draw grips with lateral loop
- Separated cable draw grips
- Multiple draw grips, e.g. for the simultaneous pulling of three single-conductor power cables into a common protective pipe
- Kevlar-reinforced plastic draw grips (non-conducting, anti-magnetic)
- Multi-stage, highly-flexible cable draw grips for fibre optic cables
- Draw grips for overhead line construction
- Cable draw grips made from stainless steel stranded wires
Please request the desired cable draw grips.

Rope and cable connection grips
For the fast creation of a non-positive connection between two cables or ropes. They are used where existing cables or ropes are to be replaced by new ones, e.g. the exchange of aged underground cables, pulling of new ropes into cranes. Hand-woven from galvanised steel wire strands, average effective braided length 1200 mm.

<table>
<thead>
<tr>
<th>Cable ø mm</th>
<th>practical breaking load</th>
<th>max. laying tensile force</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 – 16</td>
<td>15 kN</td>
<td>7.5 kN</td>
</tr>
<tr>
<td>10 – 20</td>
<td>19 kN</td>
<td>9.4 kN</td>
</tr>
<tr>
<td>20 – 30</td>
<td>55 kN</td>
<td>27.4 kN</td>
</tr>
<tr>
<td>30 – 40</td>
<td>55 kN</td>
<td>27.4 kN</td>
</tr>
</tbody>
</table>

Cable and rope guidance products
A comprehensive set of laying tools for cable or rope guidance in ditches and shafts (e.g. deflection and corner pulleys, cable protection and shaft guidance curves, cable introduction bushes) can be supplied at short notice. Please request the desired cable and rope guides.

Shaft cover lifter
Made from galvanised steel, weight 0.6 kg

<table>
<thead>
<tr>
<th></th>
<th>320 mm x 155 mm</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 14 2300</td>
<td></td>
</tr>
</tbody>
</table>

Special Kati® Grip handle
for the quick and secure pulling of all pulling wires measuring between 3 and 6 mm in ø (flat steel, helical wire, plastic and fibreglass wires)

<table>
<thead>
<tr>
<th></th>
<th>1 14 2190</th>
<th></th>
</tr>
</thead>
</table>

Special fibreglass adhesive
for Kati® Blitz and Kabelmax®

<table>
<thead>
<tr>
<th></th>
<th>1 14 2192</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>for Kabeljet® and Pipe Eel®, viscous</td>
<td>20 g</td>
<td>1 14 2193</td>
</tr>
</tbody>
</table>

GLIT® cable lubricant
Improved formula with significantly better sliding properties. GLIT® eliminates up to 90% of the friction that is generated when inserting power cables, telephone cables, coaxial cables and fibre optic cables. For inserting all types of pulling rods. Simply apply to the Kati® Blitz and Kabelmax® guide heads and insert. Pumpable, silicone-free, skin-compatible, non-flammable.

<table>
<thead>
<tr>
<th></th>
<th>1 14 2194</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Tube 200 ml</td>
<td>0.2 kg</td>
<td>1</td>
</tr>
<tr>
<td>Bucket 1 Litre</td>
<td>1.1 kg</td>
<td>1</td>
</tr>
<tr>
<td>Bucket 5 Litres</td>
<td>5.2 kg</td>
<td>1</td>
</tr>
<tr>
<td>Bucket 10 Litres</td>
<td>10.4 kg</td>
<td>1</td>
</tr>
</tbody>
</table>

Silicone spray
An ideal lubricant, protective agent, maintenance agent and separating agent, makes the winding of cables easier, protects electric contacts against moisture, protects rubber, plastic and metal parts. Only handle when in a de-energised state.

<table>
<thead>
<tr>
<th></th>
<th>1 15 1004</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>400 ml</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>