



# KABELSCHLEPP

## PRODUCT PORTFOLIO



**Cable Carrier Systems**  
**TRAXLINE® Cables for motion**  
**TOTALTRAX® Complete Systems**

Solid nylon cable carriers with standard chain widths

# STANDARD APPLICATIONS



**Sub-division**  
simple



**Additional load**  
up to 15 kg/m



**Inner height**  
4.6 – 45 mm



**Travel length unsupported**  
up to 7 m



**Inner widths**  
6 – 250 mm



**Travel speed**  
up to 25 m/s



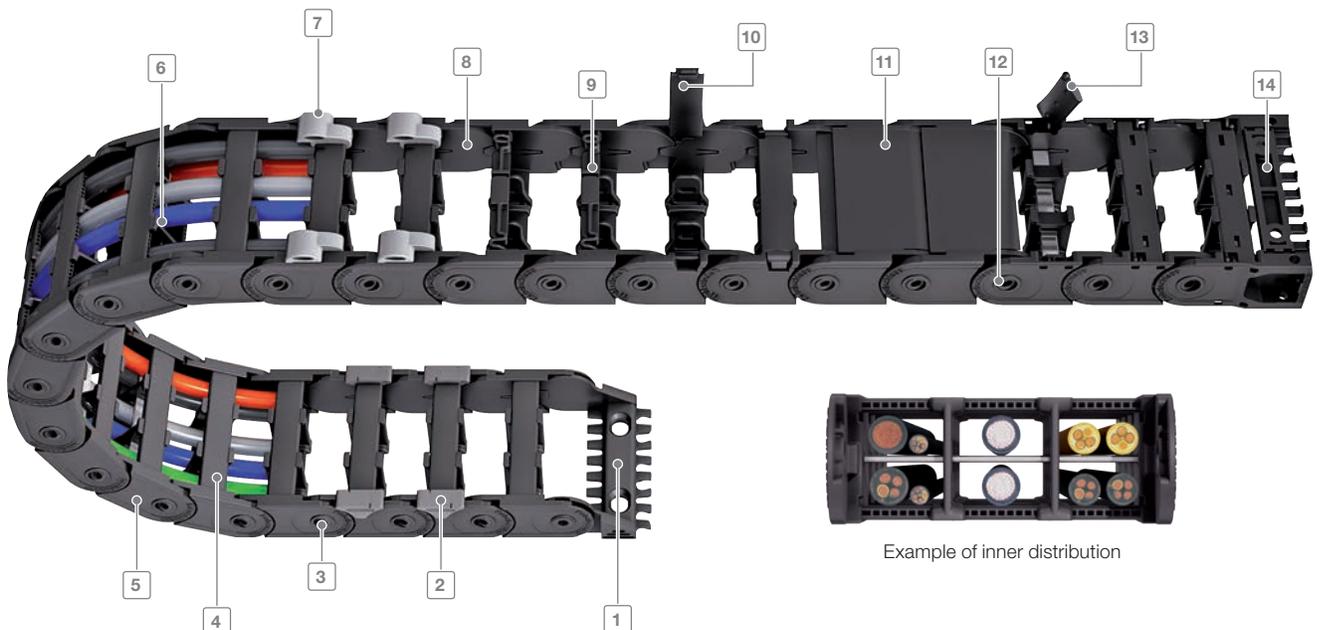
**Pitch**  
10 – 66.5 mm



**Acceleration**  
up to 200 m/s<sup>2</sup>

**Technical features:**

- Economically priced solutions for standard applications
- Series and types with fixed or openable brackets
- Various types and designs directly available from stock
- Simple cable installation
- Simple cable installation by just pressing the cables into the carrier
- Ideal for short travel lengths and high travel speeds



Example of inner distribution



Our basic program includes different product types with simple design and predefined chain widths. All product types combine robustness and reliability with an excellent price-performance ratio. Cables can be quickly and easily installed into these carriers. Covered and fully enclosed product types guarantee optimum protection of cables and hoses against chips and other coarse dirt.

- 1 End connector with integrated strain relief
- 2 Replaceable glide shoes for longer life
- 3 Robust, double stroke system for longer self-supporting lengths
- 4 Non-opening links available
- 5 Chain links made of nylon
- 6 Vertical and horizontal separation for the cables
- 7 Outer noise dampening elements
- 8 Smooth internal edges to insure maximum cable life
- 9 Fast and easy cable installation by simply pressing in the cables
- 10 Swiveling brackets for quick cable installation available
- 11 Optional lids available in nylon that can be opened from inside or outside radius
- 12 Integrated noise dampening
- 13 Completely detachable brackets/covers available
- 14 Universal mounting bracket (UMB) with integrated strain relief

# MONO series

Cable carrier with simple design for standard applications



**Inner heights**  
10 – 15 mm



**Inner widths**  
6 – 40 mm



**Pitch**  
13 – 20 mm



**Additional load**  
up to 1.3 kg/m



**Travel length unsupported**  
up to 2 m



**Travel length gliding**  
up to 70 m



**Travel speed**  
up to 10 m/s



**Acceleration**  
up to 50 m/s<sup>2</sup>

## Technical features:

- Cost-effective cable carrier
- Simple and quick assembly
- Almost all types available immediately from stock all around the world
- Long service life
- High torsional rigidity
- Easy to install
- Long self-supporting length for its size class



# QuickTrax series

Compact and cost-effective cable carrier in two-component “2K” technology



**Inner height**  
20 mm



**Inner widths**  
15 – 50 mm



**Pitch**  
32 mm



**Additional load**  
up to 3 kg/m



**Travel length unsupported**  
up to 3 m



**Travel length gliding**  
up to 80 m



**Travel speed**  
up to 10 m/s



**Acceleration**  
up to 50 m/s<sup>2</sup>

## Technical features:

- Extremely fast and easy cable installation thanks to film hinge crossbars
- Extremely low noise due to integrated noise damping
- Long self-supporting length
- Sturdy two-component design provides solid cable carrier body with film hinge lid
- Sturdy chain design
- High torsional rigidity



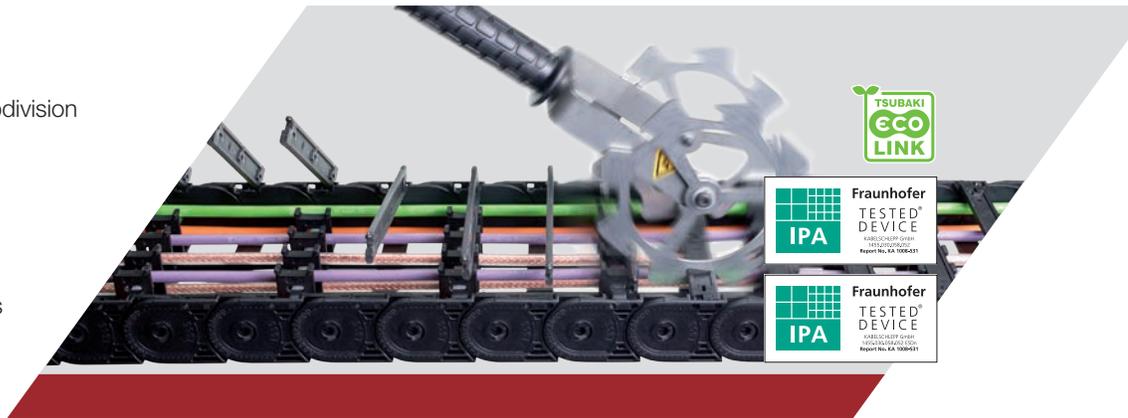
# UNIFLEX *Advanced* series

Designed with integrated noise dampening for use in a wide range of applications

|   |   |   |  |
|---|---|---|--|
|  <b>Inner heights</b><br>20 – 44 mm            |  <b>Inner widths</b><br>15 – 250 mm          |  <b>Pitch</b><br>32 – 66.5 mm        |  <b>Additional load</b><br>bis 15 kg/m            |
|  <b>Travel length unsupported</b><br>up to 7 m |  <b>Travel length gliding</b><br>up to 150 m |  <b>Travel speed</b><br>up to 10 m/s |  <b>Acceleration</b><br>up to 50 m/s <sup>2</sup> |

## Technical features:

- Universal connection options
- Many possibilities for internal subdivision
- Long self-supporting length
- High torsional rigidity
- Low noise emissions
- Simple and fast cable installation
- Numerous custom material types for custom applications available



# TKP35 series

Robust cable track for a multitude of applications

|   |  |  |  |
|---|--|--|--|
|  <b>Inner height</b><br>32 mm                    |  <b>Inner widths</b><br>16 – 50 mm  |  <b>Pitch</b><br>35 mm                            |  <b>Additional load</b><br>up to 2 kg/m |
|  <b>Travel length unsupported</b><br>up to 2.4 m |  <b>Travel speed</b><br>up to 5 m/s |  <b>Acceleration</b><br>up to 20 m/s <sup>2</sup> |  |

## Technical features:

- Robust design with rigid stroke system
- Long self-supporting length
- Low noise operation due to internal damping system
- Weight-optimized cable carrier geometry
- Adjustable inner dividers
- Quick and easy to open
- Optional strain relief can be completely integrated into the connecting element

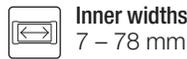


# EasyTrax series

Extremely fast cable installation thanks to flexible crossbars



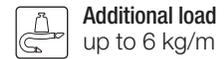
**Inner heights**  
4.6 – 31 mm



**Inner widths**  
7 – 78 mm



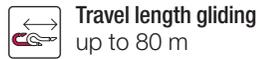
**Pitch**  
11.5 – 45.5 mm



**Additional load**  
up to 6 kg/m



**Travel length unsupported**  
up to 4.8 m



**Travel length gliding**  
up to 80 m



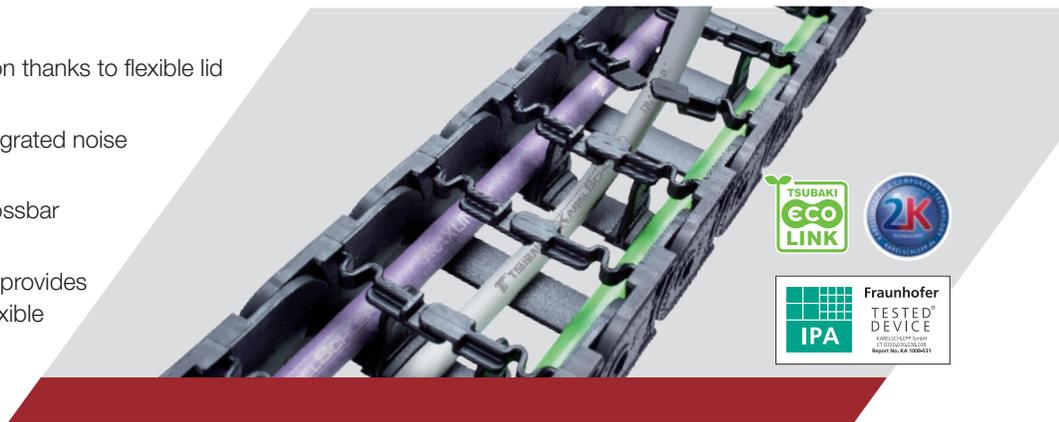
**Travel speed**  
up to 10 m/s



**Acceleration**  
up to 50 m/s<sup>2</sup>

## Technical features:

- Simple and fast cable installation thanks to flexible lid design
- Extremely low noise due to integrated noise damping
- Very high fill level due to the crossbar pivoting to the side
- Sturdy two-component design provides solid cable carrier body with flexible film hinge lid
- High torsional rigidity
- Sturdy chain design
- Extensive unsupported length



# PROTUM series

Small, light cable carrier for unsupported applications



**Inner heights**  
10 – 25 mm



**Inner widths**  
15 – 50 mm



**Pitch**  
16 – 30 mm



**Additional load**  
up to 0.8 kg/m



**Travel length unsupported**  
up to 1.8 m



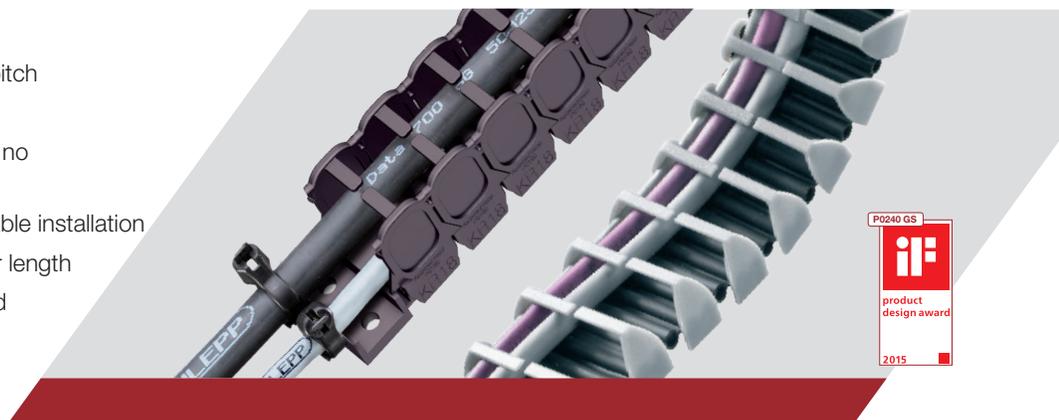
**Travel speed**  
up to 25 m/s



**Acceleration**  
up to 200 m/s<sup>2</sup>

## Technical features:

- Quiet operation through short pitch
- Low-vibration operation
- Gentle on the cables as almost no polygon effect
- Cost savings through simple cable installation
- Easy adaptation of cable carrier length
- Ideal for short travel lengths and high travel speeds



## TKZP series

Small light weight cable carrier



**Inner height**  
13 mm



**Inner widths**  
10 – 15 mm



**Pitch**  
10 mm



**Additional load**  
up to 0.1 kg/m



**Travel length unsupported**  
up to 1 m



**Travel speed**  
up to 1.66 m/s



**Acceleration**  
up to 5 m/s<sup>2</sup>

### Technical features:

- Easy installation of cables and hoses due to folding structure
- Flexible design allows for lateral movement
- Easy adjustment of the profile length
- Compact external dimensions for very restricted installation areas
- Low noise operation due to short pitch and extruded profile



## TKA series

Enclosed cable carrier – IP54 certified\*



**Inner heights**  
20.5 – 45 mm



**Inner widths**  
15 – 250 mm



**Pitch**  
30.5 – 55.5 mm



**Additional load**  
up to 10 kg/m



**Travel length unsupported**  
up to 6.5 m



**Travel length gliding**  
up to 150 m



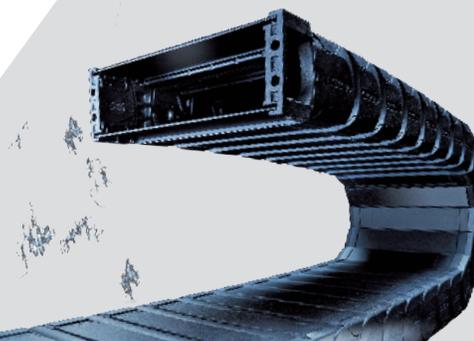
**Travel speed**  
up to 9 m/s



**Acceleration**  
up to 45 m/s<sup>2</sup>

### Technical features:

- Excellent cable protection
- Chip/dirt resistant due to smooth surfaces
- Simple and fast installation is possible
- Easy-to-open cover with simultaneously high retention force on the chain link during operation
- Long self-supporting length
- Low noise emissions
- Easy assembly



\* Refers to type TKA55 with B, 50 – 175. More information about certification can be found at: [kabelschlepp.de/tka-ip54](http://kabelschlepp.de/tka-ip54)

Cable and hose carrier systems with variable chain widths

# ADVANCED APPLICATIONS



**Sub-division**  
complex



**Additional load**  
up to 65 kg/m

**Technical features:**

- Aluminum stays in 1 mm width sections
- Plastic stays in 4, 8, 16 mm width increments (depending on type)
- Quick and easy opening to the inside or outside radius
- Light, extremely robust or linkless series
- The right solution for demanding applications



**Inner heights**  
19 – 108 mm



**Travel length unsupported**  
up to 9.9 m



**Inner widths**  
20 – 1000 mm



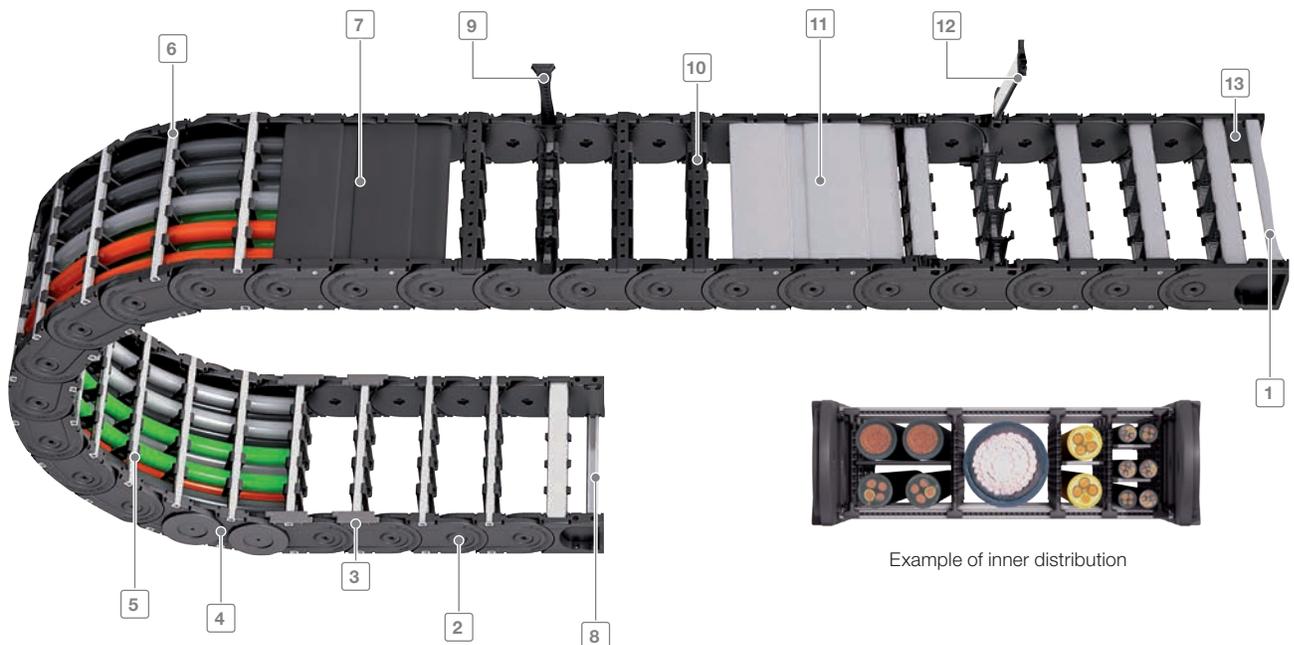
**Travel speed**  
up to 40 m/s



**Pitch**  
15 – 165 mm



**Acceleration**  
up to 300 m/s<sup>2</sup>



Example of inner distribution



Would you like something extra? These types of products offer more variability in chain width and more separation options within the cable carrier compared to our standard program. Thus, a safe and efficient devising is possible even for the most complex cable configurations. Hoses and cables with large diameters can also be easily accommodated and guided. Enclosed systems provide optimum protection.

- 1 C-rail for strain relief elements
- 2 Minimized hinge wear owing to the “life extending 2 disc principle”
- 3 Replaceable glide shoes
- 4 Extremely robust due to strong side plate construction
- 5 Large choice of ways of separating the cables
- 6 Aluminum stays available in 1 mm width sections
- 7 Plastic cover available in 8 or 16 mm width sections
- 8 Integratable strain relief (strain relief comb without illustration)
- 9 Can be opened quickly on the inside or the outside for cable installation
- 10 Plastic stays available in 4, 8 or 16 mm width sections
- 11 Aluminum cover available in 1 mm width sections
- 12 Aluminum stays with ball-joint mechanism
- 13 Universal end connectors (UMB)

**WIDTH INCREMENTS**



Aluminum stays and covers available in custom widths to the exact millimeter.

# K series

Cost-effective, robust cable carrier – also suitable for heavy loads



**Inner heights**  
38 – 58 mm



**Inner widths**  
68 – 561 mm



**Pitch**  
65 – 90 mm



**Additional load**  
up to 30 kg/m



**Travel length unsupported**  
up to 7.7 m



**Travel length gliding**  
up to 260 m



**Travel speed**  
up to 8 m/s



**Acceleration**  
up to 40 m/s<sup>2</sup>

## Technical features:

- Enclosed stroke system that is protected from the effects of dirt and contamination
- Durable sidebands with robust link plate design
- Can be opened on the inside and outside radius
- Integrated glide base



**B<sub>1</sub> increments**  
1 mm



# MASTER / MASTER-Tubes series

Quiet and weight-optimized cable carrier



**Inner heights**  
33 – 80 mm



**Inner widths**  
50 – 800 mm



**Pitch**  
56 – 111 mm



**Additional load**  
up to 25 kg/m



**Travel length unsupported**  
up to 7.9 m



**Travel length gliding**  
up to 80 m



**Travel speed**  
up to 10 m/s



**Acceleration**  
up to 50 m/s<sup>2</sup>

## Technical features:

- For cables with large cable diameter
- Good ratio between inner and outer width dimensions
- Low chain weight
- Aluminium cover system available



**B<sub>1</sub> increments**  
1 mm



# M / M-Tubes series

Variable cable carrier with extensive accessories and crossbar variants

|   |   |   |  |
|---|---|---|--|
|  <b>Inner heights</b><br>19 – 87 mm              |  <b>Inner widths</b><br>24 – 800 mm          |  <b>Pitch</b><br>32 – 130 mm         |  <b>Additional load</b><br>up to 65 kg/m          |
|  <b>Travel length unsupported</b><br>up to 9.9 m |  <b>Travel length gliding</b><br>up to 300 m |  <b>Travel speed</b><br>up to 10 m/s |  <b>Acceleration</b><br>up to 50 m/s <sup>2</sup> |

## Technical features:

- Dirt-resistant encapsulated stroke system
- Durable sidebands with robust link plate design
- Easy assembly of sidebands
- Long service life due to minimized hinge wear owing to the “life extending 2 disc principle”
- Can be opened on the inside and the outside radius for installation of cables and hoses



 **B<sub>j</sub> increments**  
1 mm

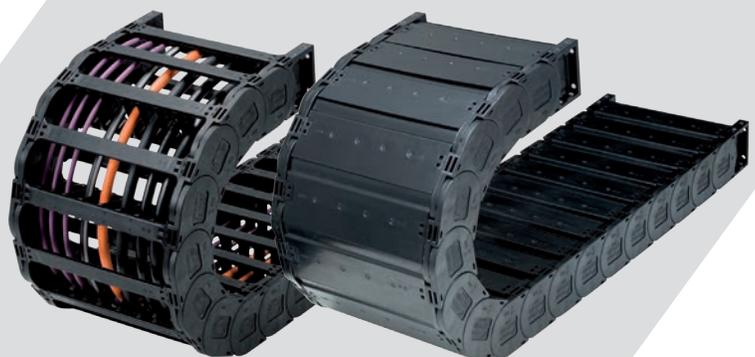
# TKP91 / TKC91 series

Durable and easy to assemble cable carrier

|   |   |  |  |
|---|---|--|--|
|  <b>Inner heights</b><br>56 – 80 mm              |  <b>Inner widths</b><br>150 – 500 mm         |  <b>Pitch</b><br>91 mm              |  <b>Additional load</b><br>up to 60 kg/m          |
|  <b>Travel length unsupported</b><br>up to 8.9 m |  <b>Travel length gliding</b><br>up to 100 m |  <b>Travel speed</b><br>up to 5 m/s |  <b>Acceleration</b><br>up to 20 m/s <sup>2</sup> |

## Technical features:

- Many separation options for the cables
- Replacable glide shoe for extended service life in gliding applications
- Extremely robust due to stable plate construction
- Can be opened on inside and outside radius
- Enclosed lids available



 **B<sub>j</sub> increments**  
1 mm

# XL / XL-Tube series

Cable carrier with large inside height



**Inner heights**  
105 – 108 mm



**Inner widths**  
200 – 1000 mm



**Pitch**  
165 mm



**Additional load**  
up to 65 kg/m



**Travel length unsupported**  
up to 9.5 m



**Travel length gliding**  
up to 350 m



**Travel speed**  
up to 4 m/s



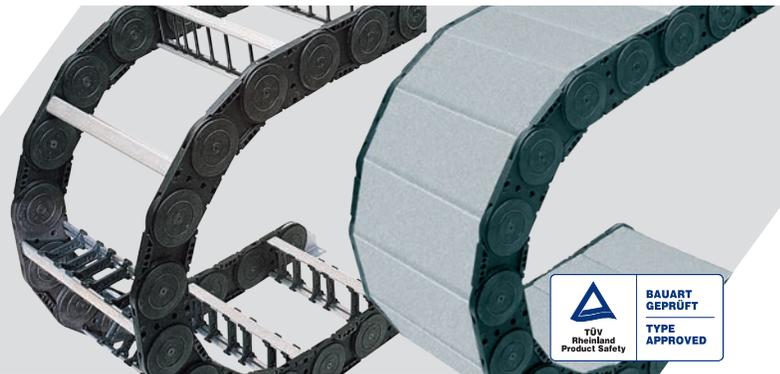
**Acceleration**  
up to 25 m/s<sup>2</sup>

## Technical features:

- For cables with large diameter
- For unsupported and gliding applications
- Replacable glide shoe for extended service life in gliding application
- Aluminium enclosed lids available
- Low intrinsic weight



**B<sub>1</sub> increments**  
1 mm



# QUANTUM series

Light, quiet, low-vibration for high speeds and accelerations



**Inner heights**  
28 – 72 mm



**Inner widths**  
28 – 600 mm



**Pitch**  
15 – 30 mm



**Additional load**  
up to 12 kg/m



**Travel length unsupported**  
up to 6.5 m



**Travel length gliding**  
up to 200 m



**Travel speed**  
up to 40 m/s



**Acceleration**  
up to 300 m/s<sup>2</sup>

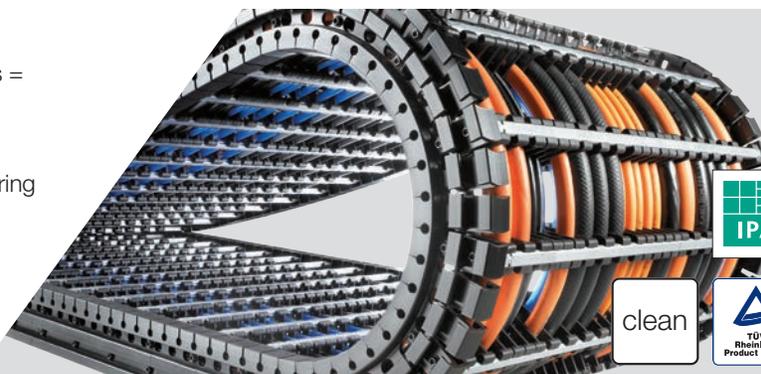
## Technical features:

- Very long service life: 25 million cycles = unsurpassed service life
- Extremely quiet, 31 db (A)\*
- Low level of particulate generation during operation
- Suitable for clean rooms
- Practically no polygon effect
- Ideal for highly dynamic applications

\*depending on design



**B<sub>1</sub> increments**  
1 mm



# TKR series

Extremely quiet and low-vibration for highly dynamic applications



**Inner heights**  
22 – 52 mm



**Inner widths**  
20 – 200 mm



**Pitch**  
15 – 28 mm



**Additional load**  
up to 10 kg/m



**Travel length unsupported**  
up to 5 m



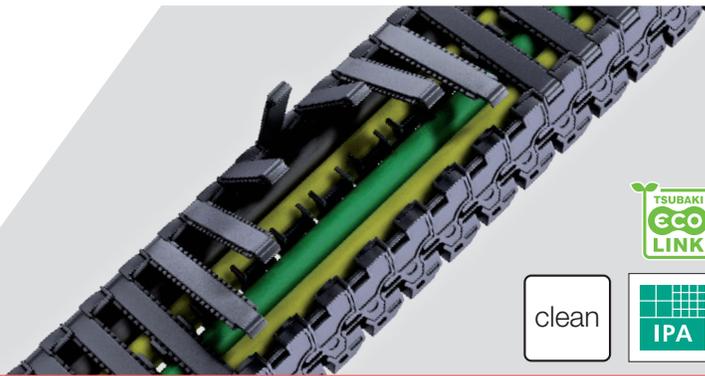
**Travel speed**  
up to 5 m/s



**Acceleration**  
up to 200 m/s<sup>2</sup>

## Technical features:

- Long service life
- Ideal for highly dynamic applications
- High lateral stability
- Suitable for clean rooms (class 1)
- Extremely quiet and low-vibration
- Practically no polygon effect



# CoverTrax series

For harsh environmental conditions



**Inner height**  
50 mm



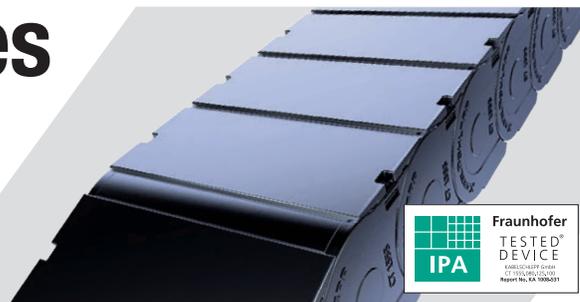
**Inner widths**  
50 – 250 mm



**Pitch**  
55.5 mm



**Additional load**  
up to 12 kg/m



# CONDUFLEX series

Enclosed cable carrier



**Inner heights**  
25 – 72 mm



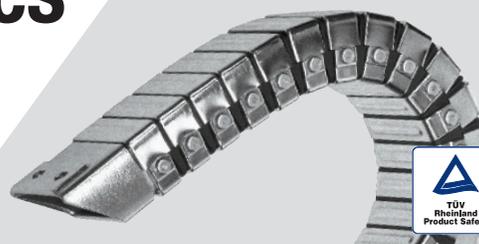
**Inner widths**  
45 – 162 mm



**Pitch**  
20 – 30 mm



**Additional load**  
bis 20 kg/m



See more:



## Steel cable carrier systems

# EXTREME APPLICATIONS



**Sub-division**  
complex



**Additional load**  
up to 800 kg/m

### Technical features:

- Robust design for heavy mechanical loads
- High additional loads and long self-supporting lengths possible
- Heat-resistant



**Inner heights**  
24 – 578 mm



**Travel length unsupported**  
up to 25 m



**Chain widths**  
26 – 1800 mm



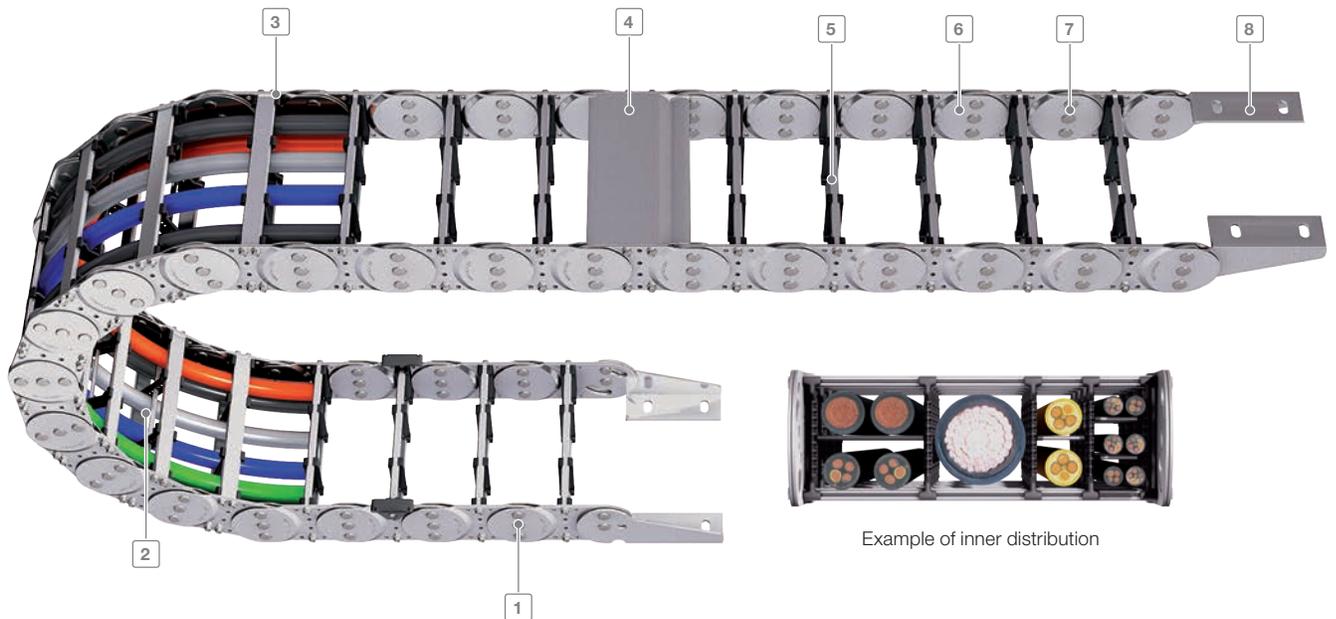
**Travel speed**  
up to 10 m/s

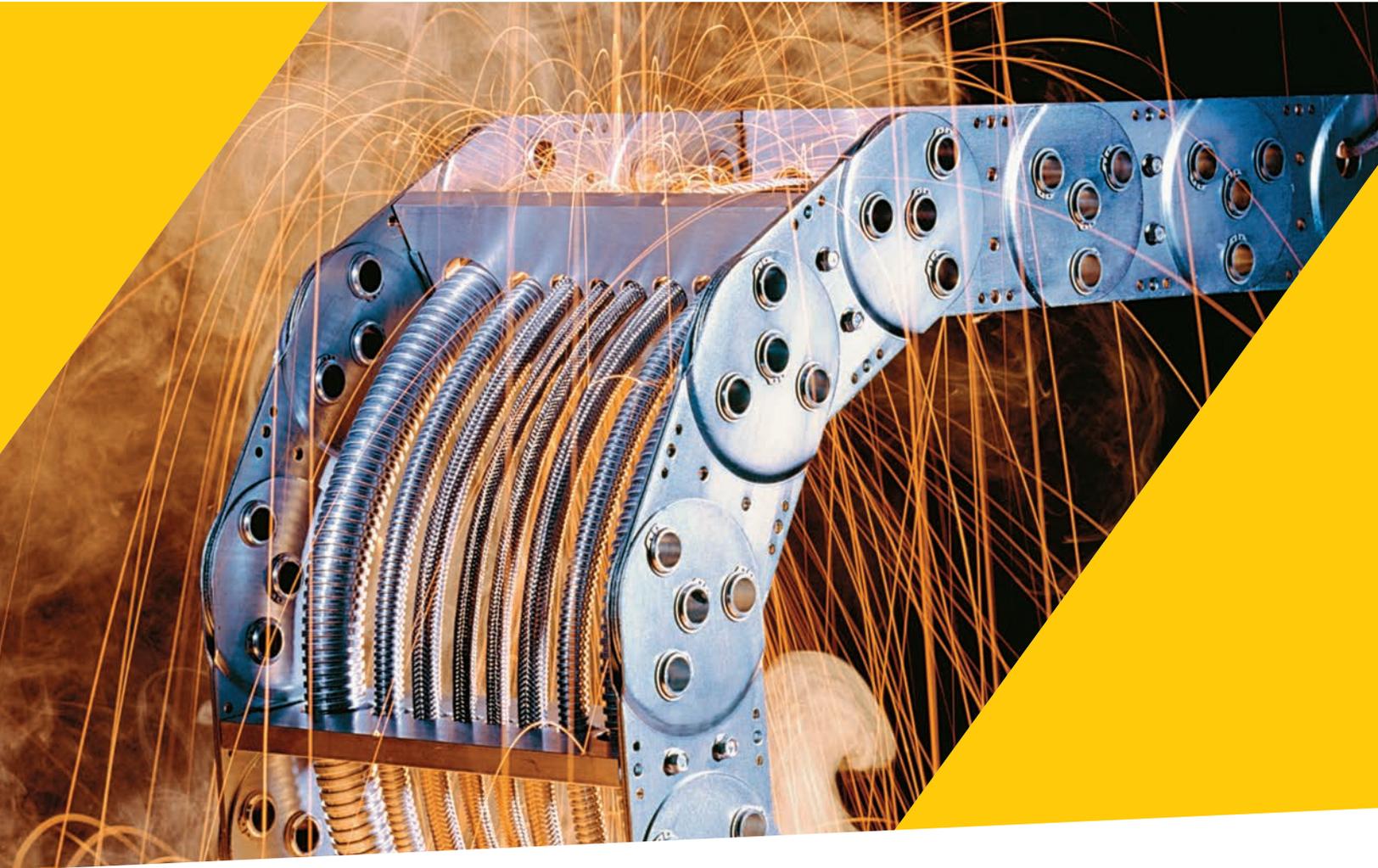


**Pitch**  
105 – 550 mm



**Acceleration**  
up to 20 m/s<sup>2</sup>





Special applications require the use of special cable carrier systems. Our cable carriers of steel and stainless steel are first choice when it comes to extreme heat or other extremely harsh conditions such as those prevailing in the mining, smelting or oil & gas industry. Customized separation options offer perfect protection for cables and hoses even under high mechanical loads.

- 1 Joint design with hardened bolt for a long service life
- 2 Various cable separation options
- 3 Dividers made of plastic or steel
- 4 Aluminum lids available in 1 mm width sections
- 5 Variety of crossbar options available to allow for complete customization
- 6 Very robust side bands, available galvanized or in stainless steel
- 7 All steel cable carrier are lubrication-free
- 8 End connectors in various connection variants

**STEEL**  
GALVANIZED

**STAINLESS  
STEEL**  
RUST-FREE



Aluminum stays and covers available in custom widths to the exact millimeter.

# LS / LSX series

Cost-effective steel chain in lightweight design



**Inner heights**  
48 – 58 mm



**Chain widths**  
100 – 600 mm



**Pitch**  
105 mm



**Additional load**  
up to 30 kg/m



**Travel length unsupported**  
up to 10 m



**Travel speed**  
up to 5 m/s



**Acceleration**  
up to 10 m/s<sup>2</sup>

## Technical features:

- One-piece link plate constructions
- Sidebands made from hardened steel or stainless steel
- Good corrosion resistance
- Duo band solution available



**B<sub>1</sub> increments**  
1 mm



# S / SX series & S / SX-Tubes

Extremely robust and strong steel cable carrier



**Inner heights**  
26 – 578 mm



**Chain widths**  
70 – 1800 mm



**Pitch**  
65 – 550 mm



**Additional load**  
up to 800 kg/m



**Travel length unsupported**  
up to 25 m



**Travel speed**  
up to 2.5 m/s



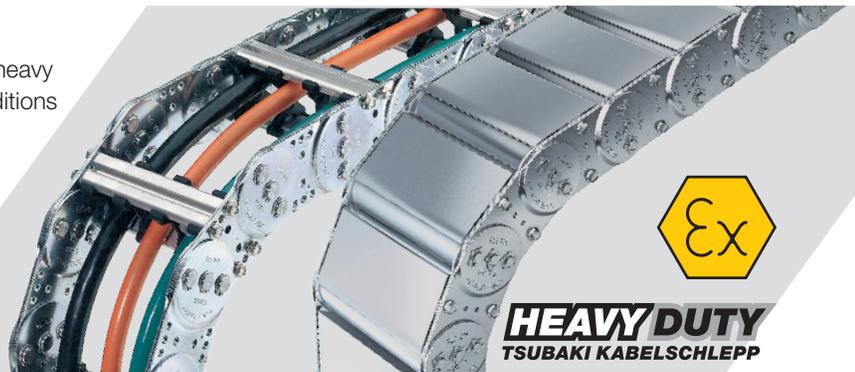
**Acceleration**  
up to 5 m/s<sup>2</sup>

## Technical features:

- Extremely robust, sturdy steel cable carriers for heavy mechanical loads and rough environmental conditions
- Side bands made of steel or stainless steel
- Very sturdy link plates, each consisting of two individual plate
- Very extensive self-supporting lengths
- Explosion protection class EX II 2 GD according to ATEX RL



**B<sub>1</sub> increments**  
1 mm



**HEAVY DUTY**  
TSUBAKI KABELSCHLEPP

# S / SX 9000 series

Custom cable track designs

TSUBAKI KABELSCHLEPP develops and manufactures steel cable carrier for a variety of applications from steelworks to offshore drilling platforms. We meet the required quality and industry standards and produce

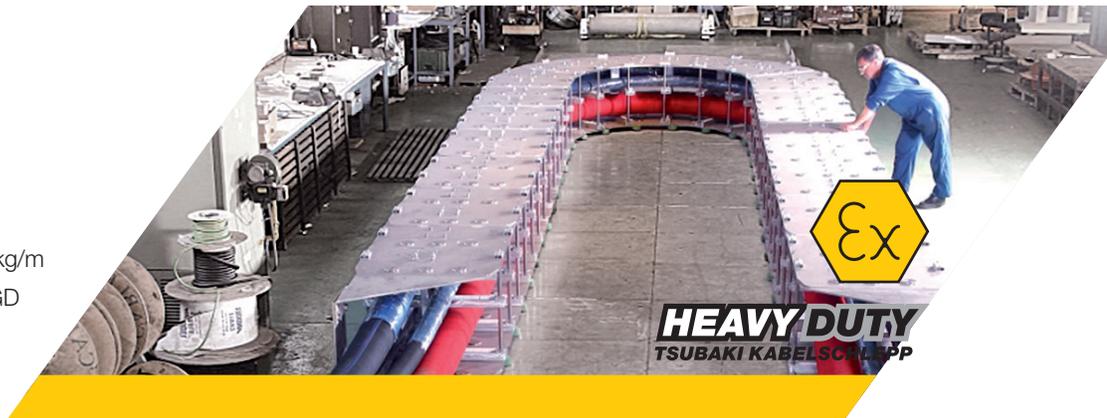
special size cable carrier in different materials to customer specification.

 **Chain widths**  
from 350 mm

## Technical features:

- Customized solutions
- Maintenance-free systems
- Designed to the application
- Resistant against temperature, corrosion, chemicals and UV light
- Additional load of more than 1000 kg/m
- Explosion protection class EX II 2 GD according to ATEX RL

 **B<sub>i</sub> increments**  
1 mm



# MOBIFLEX series

Enclosed cable carrier with flexible metal helical tube

 **Inner heights**  
24 – 167 mm

 **Inner widths**  
26 – 170 mm

 **Additional load**  
up to 8 kg/m

 **Travel length unsupported**  
up to 5 m

 **Travel speed**  
up to 10 m/s

 **Acceleration**  
up to 20 m/s<sup>2</sup>

## Technical features:

- Tightly sealed design
- Ideal for operating in hot chip environment
- Optimum protection for cables and hoses



Cable and hose carrier systems for 3D movements

# 3D APPLICATIONS



**Sizes**  
Ø 40 – 100 mm



**Sub-division**  
several

**Technical features:**

- Perfect for maximum free moving space in 3D applications
- Swiveling and rotational movements on robots in three dimensions, e.g.
  - Areas of robot application from the floor to the robot head
- With channel system, it is a universal solution for rotary applications
- Extension of life for cables in 3D applications
  - through defined minimum bend radius
  - through separating and guiding the cables
- Particularly suitable for high pull forces and fast acceleration





Multidimensional rotating and swiveling movements require a cable carrier that reliably follows all movements while securely leading and protecting all cables and hoses. ROBOTRAX combines these special properties and therefore is especially suitable for applications in robotics and automation. The open design of this product allows quick cable installation and easy inspection of cables and hoses for damage once installed. Additional accessories are available for further optimizing the cable carrier to customer requirement.

- 1 Integrated steel wire for transmission of extremely high pull forces and accelerations
- 2 Protective cover or heat shield made of different materials available for different environmental conditions
- 3 Quick opening bracket reduces installation time
- 4 Simple inspection of cables in the field of vision
- 5 Special nylon for long service life
- 6 Bumper guard protects the cable carrier and inserted cables
- 7 Defined minimum bend radius
- 8 Active pull back mechanism PBU (PULL-BACK UNIT)

# ROBOTRAX

## Chain links

The basic structure of ROBOTRAX consists of nylon links. These have ball and socket style snap-together connectors on both sides. The individual links can thus be snapped together to form a cable carrier. Internal bend radius stoppers ensure that the minimum bend radius is maintained in all directions. Radial link rotation movement is also possible.

### Technical features:

- For three-dimensional movements
- Special nylon for long service life
- Fast cable installation by simple pressing in of the cables – no threading through is necessary
- The cables are cleanly isolated in three separate chambers

 **Inner heights**  
10 – 31 mm

 **Inner widths**  
27 – 64 mm

 **Pitch**  
21.5 – 40 mm

 **Sizes**  
Ø 40 – 100 mm



# LineFix

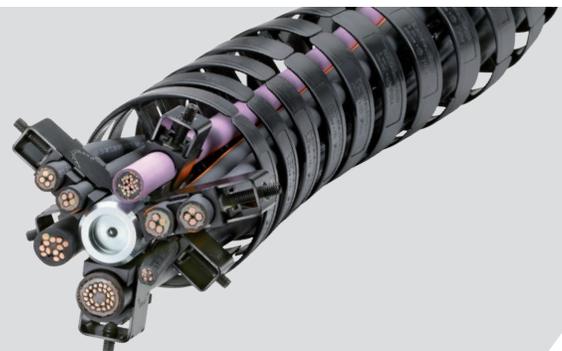
## Saddle-type clamps for strain relief

Safety grip and gentle cable fixing. Multilayer cable fixing with 2- and 3-fold clamps is possible. Multiple systems can be mounted one behind the other.

 **Suitable for sizes**  
Ø 40 – 100 mm

### Technical features:

- Continuous strain relief
- Extra stable design
- Solid fit due to innovative foot construction



# BUMPER GUARD

Impact protection

The Bumper Guard prevents the cable carrier during fast movements and in large work spaces from hard impacts, excessive abrasion and premature wear. Downtime is minimized, since in case of damage only the Bumper Guard needs to be replaced and not the whole cable carrier.



**Suitable for sizes**  
Ø 40 – 100 mm

## Technical features:

- Extended life time of the cable carrier
- Protection of robot and cable carrier (impact protection)
- Limited bend radius for cable protection
- Reduced down time due to easy exchange



# CHUCKING DEVICE

Provides quick and easy set of the steel wire to the required tension that can be readjusted at any time.



**Suitable for sizes**  
Ø 40 – 100 mm

## Technical features:

- Movement of the cable carrier can be adjusted through tension of the steel wire
- Adjustable at any time



# Active pull back mechanism

## Pull-Back-Unit (PBU)

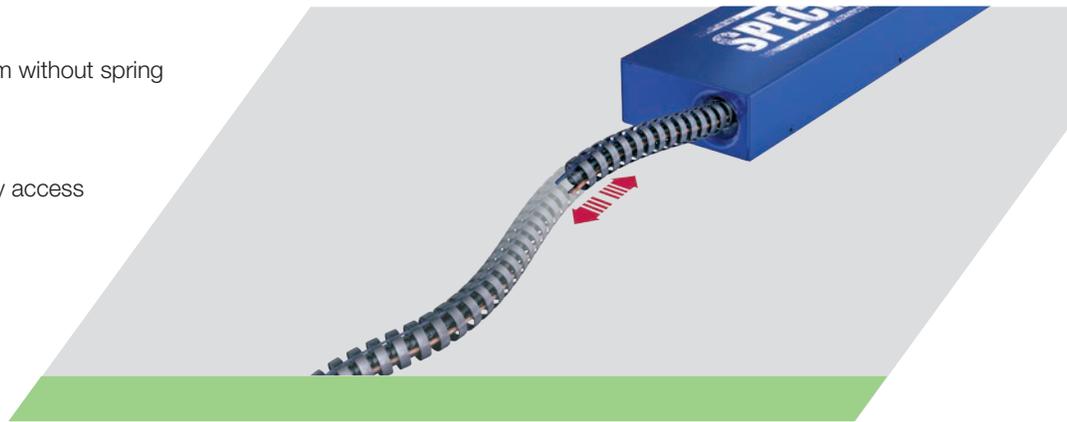
The active pull-back mechanismus PULL-BACK UNIT additionally ensures extended service life and reduced downtime. This device keeps the carrier at tension and prevents ROBOTRAX from snagging on the robot, thus protecting the installed cables.



**Suitable for sizes**  
Ø 40 – 100 mm

### Technical features:

- Innovative pull-back mechanism without spring
- Compact design
- Robust metal construction
- Housing can be opened for easy access



# Quick-opening bracket

ROBOTRAX® is fixed and guided with quick-opening brackets that are fixed with two screws. The quick-opening brackets grab the whole single chain link and thus the fixation points can be selected individually.



**Suitable for sizes**  
Ø 40 – 100 mm

### Technical features:

- Easy to fix on the robot
- Tool-less installation of the carrier by insertion
- Swivelling version available
- Also available as guide support



# Flexible Brackets

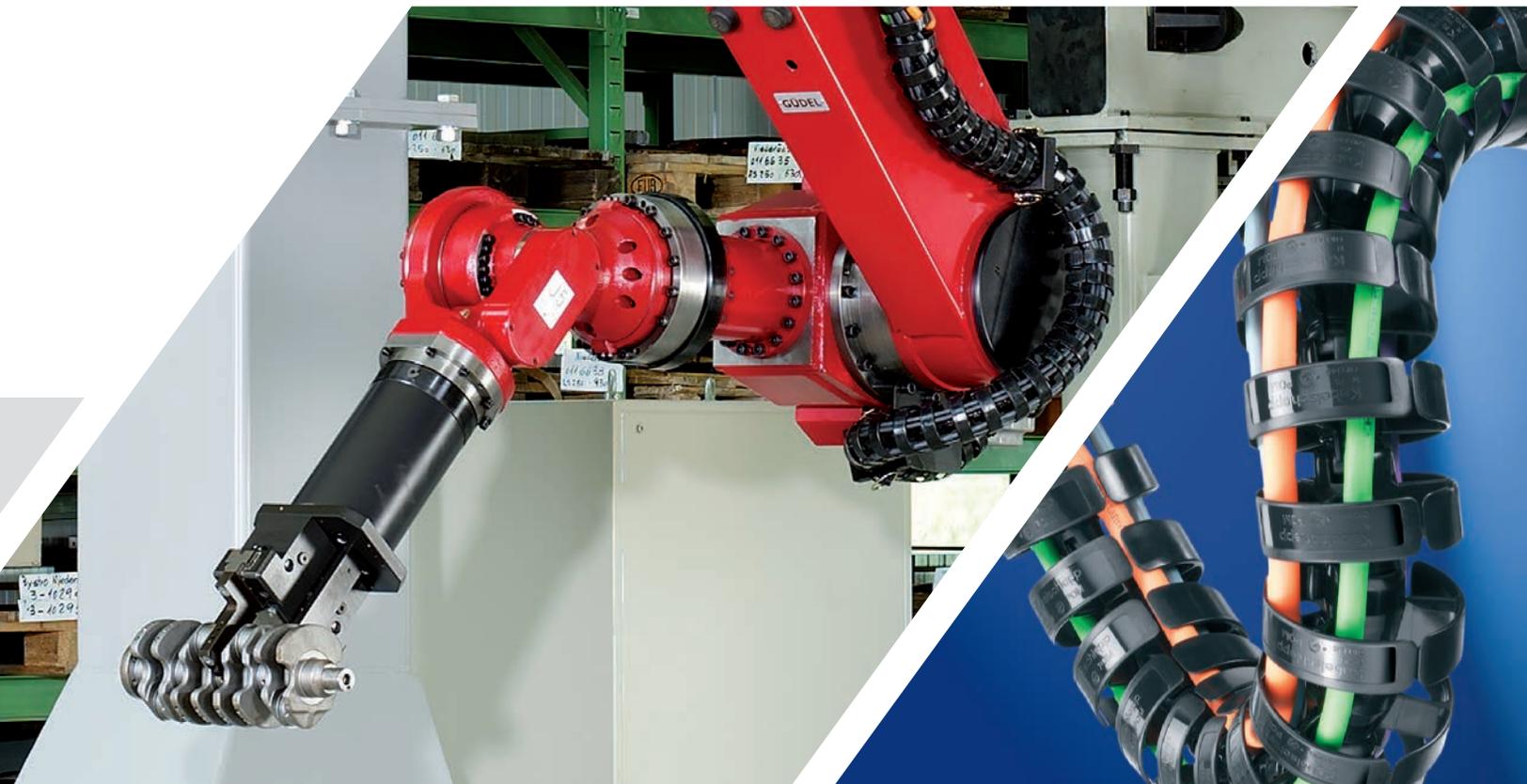
If the bracket is mounted on a helical spring, it can move elastically in all directions and support the cable carrier while moving.



**Suitable for sizes**  
Ø 40 – 100 mm

## Technical features:

- Can be displaced in 3 dimensions
- Guiding of excess lengths by tracking
- Simple to attach to robot through foot construction



# NO CABLE CARRIER WITHOUT A **TRAXLINE®** CABLE

## TRAXLINE® Product Portfolio

The TRAXLINE® program is continuously extended and optimized to meet the increasing requirement of cable carrier applications. A unique combination of cable features is available in a clearly structured range of types.

- Highest quality standards
- Cost-efficient, flexible, very durable
- Correspond with all current norms and regulations
- 2D applications (self-supported and gliding)
- 3D applications (cable carrier for robots, rotating)
- For any condition from cleanroom applications to adverse environment

## Service & Support:

- Competent, goal-oriented system consultation and worldwide on-site service
- Fast delivery with over 500 types of cables in-stock
- No minimum order amount
- No cutting costs

## TRAXLINE® Center

Configure the cables for your cable carrier and find all technical data of our TRAXLINE® cables in the TRAXLINE® Info Center.





### Data cable

- Data exchange between moving consumer and stationary end (control cabinet)
- Different quality classes available
- Jacket material: PUR, TPE shield respectively double shield optional
- Used in carriers with small bend radius



### BUS-/FOC-/KOAX-cable

- Data exchange between moving consumer and stationary end (control cabinet)
- Different quality classes available
- Jacket material: PUR, TPE shield respectively double shield optional
- Used in carriers with small bend radius



### Control cable CONTROL 200, 400, 700, 1000

- Connection for controlling between moving consumer and control cabinet
- Four different quality classes available
- Jacket material: PVC, PUR, TPE; shield optional
- 2 to 49 wires



### Motor cable POWER 400, 700, 1000, 4 to 7 wires

- Connection for power supply between moving consumer and control cabinet
- In three different quality classes available
- Jacket material: PVC, PUR, TPE; shield optional
- Cross section from 1,5 mm<sup>2</sup> to 150 mm<sup>2</sup>



### Motor cable POWER ONE 700, 1000, 1 wire

- For applications in harsh conditions
- Secure transmission of large amounts of energy
- For long travel applications
- Cross section from 0,25 mm<sup>2</sup> to 700 mm<sup>2</sup>

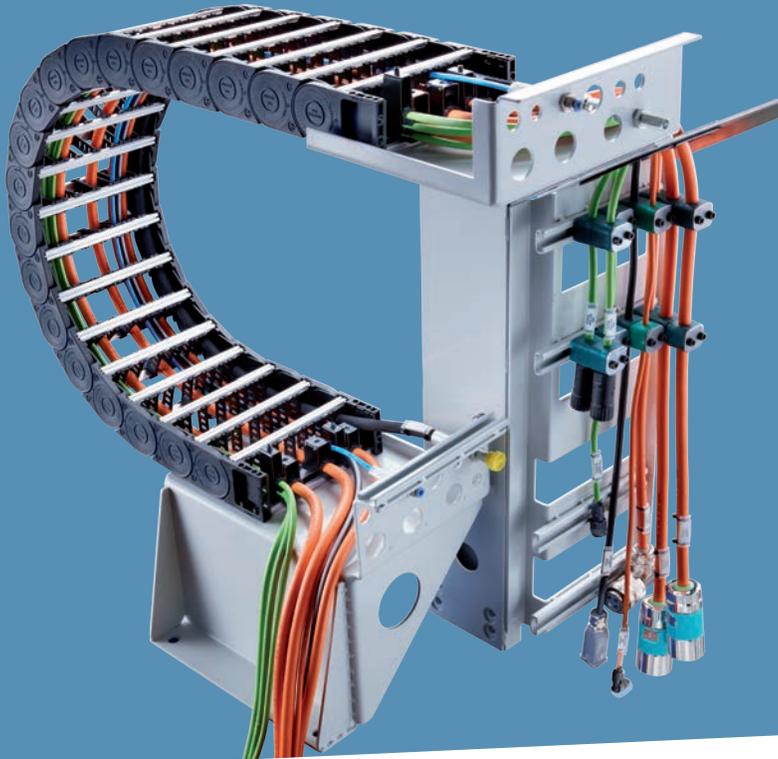


### Medium voltage cable Heavy Duty, 1 wire

- For applications in harsh conditions
- Secure transmission of large amounts of energy
- For long travel applications
- Cross section from 0,25 mm<sup>2</sup> to 700 mm<sup>2</sup>

Competence in systems

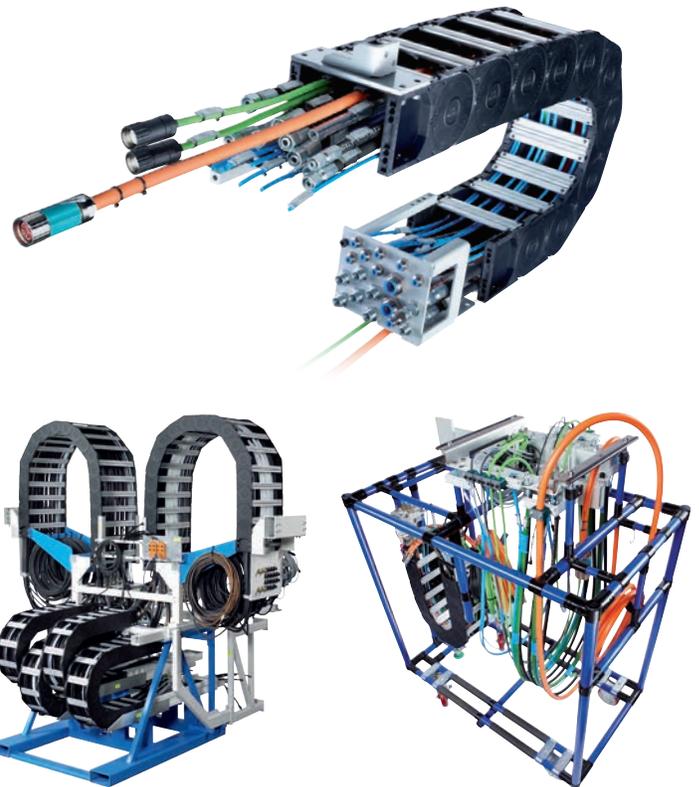
# TOTALTRAX® COMPLETE SYSTEMS



**TOTALTRAX®:** These are customized complete systems for individual demands and almost all fields of application. Benefit from our experience of thousands of implemented systems, because we do not only provide components but also ready-to-use plug & play solutions. Our product range covers from cable carriers with cables already inserted – so called harnessed cable carrier - up to complex systems. These are jointly developed between our specialists and your experts in a close development cooperation and system partnership. All components used are perfectly matched, thus ensuring high quality and durability. Additional services such as competent advice from our experts during concept phase and professional project support as well as an aftersales service complete the comprehensive range of **TOTALTRAX®** Services.

## Further advantages you benefit from:

- Complete delivery from a single source
- Only one contact for the entire system incl. all components
- Reduction of purchasing costs by focusing on just one supplier
- Reduces effort for incoming goods inspection
- Quick installation through ready-to-install modules
- Just-in-Time delivery directly into your production
- Reduced storage costs
- Delivery on special installation and transport racks on request
- System warranty



# EFFICIENT DESIGN ACCURATE AND FAST



Shorten your design time, accelerate your design processes, do concept development with original data from the manufacturer. We continuously invest in the online supply of product-related information to make your work easier. Thereby you can access the latest product and CAD data during the design phase. Currently, we provide comprehensive, technical information in three different, partly interlinked online tools.



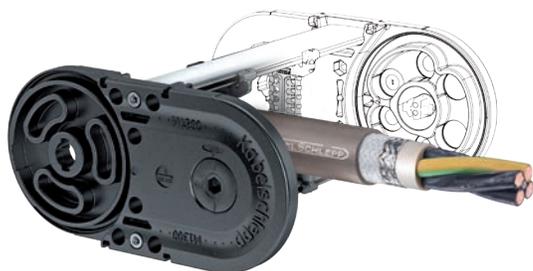
Our web-based platform OnlineEngineer that is available throughout the world supports you with multiple functions for

selecting and configuring the right product for your application. Here, all relevant technical and commercial information about all individual products from the ranges of cable carriers, cables and accessories is centrally pooled and clearly displayed. By entering different parameters it facilitates to select the appropriate products.

For even more convenience the data portals OnlineEngineer and CADENAS is interlinked. This allows you to easily download the respective CAD model without leaving the OnlineEngineer once you have completed your product configuration. Vice versa, data from OnlineEngineer can be retrieved while working in CADENAS.

## CADENAS 3D CAD CATALOGUE

CADENAS is an international platform for providing 3D models in various CAD formats. Numerous renowned companies from machinery and plant engineering as well as from other industries are represented. Currently, we provide CAD models for our entire product portfolio in all common CAD formats. Moreover, the database contains the corresponding models for guide channels and support trays. We continuously update the scope offered.



## Electrical Engineering with ePLAN

EPLAN Data Portal is an integrated, web-based data platform delivering the most recent device data from market-leading component manufacturers for direct use in the EPLAN planning software. For those using the global project planning software EPLAN Electric P8, we offer technical and commercial information of our TRAXLINE® cables in the EPLAN Data Portal for download.



# KABELSCHLEPP

## CABLE CARRIER SYSTEMS

Cable Carrier Systems  
Cable carriers made of steel and plastic  
QUANTUM cable and hose carrier system  
PROTUM cable and hose carrier system  
ROBOTRAX cable and hose carrier system

## TRAXLINE® – CABLES FOR MOTION

Continuous bending hi-flex cables for cable carriers  
TOTALTRAX® complete turn-key carrier systems  
Pre-assembled cables

## GUIDEWAY PROTECTION SYSTEMS

Telescopic covers  
Link apron covers  
Way wipers  
Conical spring covers  
Bellows  
Protective devices

## CONVEYOR SYSTEMS

Hinged belt conveyors  
Scraper conveyors  
Belt conveyors



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U.S. Tsubaki Power Transmission, LLC  
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Wheeling, IL 60090  
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Fax: (947) 459-9515  
[www.ustsubaki.com](http://www.ustsubaki.com)



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Holyoke, MA 01040  
Tel: (800) 323-7790



Conveyor & Construction  
Chain Division  
1010 Edgewater Drive  
Sandusky, OH 44870  
Tel: (800) 537-6140  
Fax: (419) 626-5194



Sprocket Manufacturing  
Mississauga, Ontario  
Tel: (800) 323-7790



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