

**KABELSCHLEPP**

A member of the TSUBAKI GROUP



A PROUD CANADIAN  
MANUFACTURER

# Innovative solutions

*for the Waterjet, Laser and Plasma Table*



# Innovative solutions

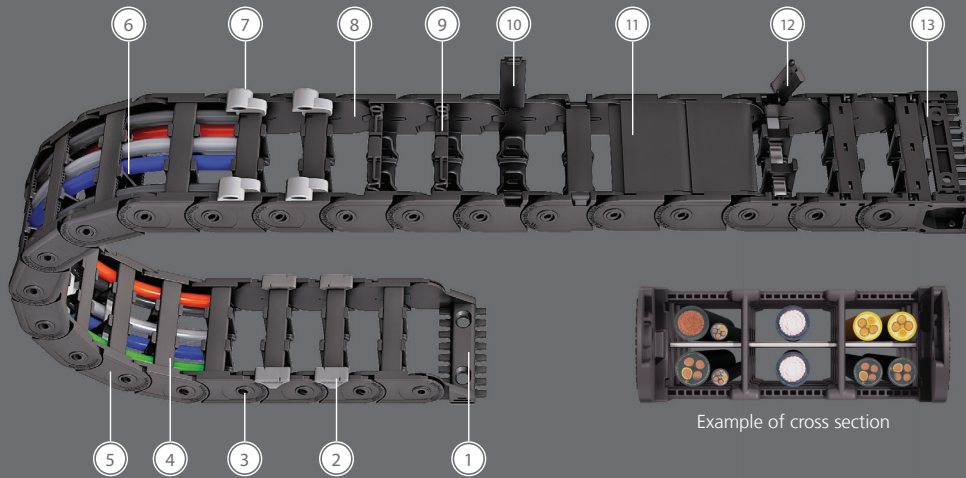
for the Waterjet, Laser and Plasma Table

## ENERGY AND SIGNALS

### STANDARD applications

## Solid plastic cable and hose carrier systems with fixed chain widths

Reliable cable and hose carrier systems with simple designs for standard applications. Due to its vast range of various carrier types and designs, TSUBAKI KABELSCHLEPP can offer reliable and cost-efficient solutions such as extremely compact designs, types with non-opening or opening crossbars for fast and easy cable installation, as well as tube style options for superior protection from chips and other debris.



- 1 Mounting brackets with integrated strain relief
- 2 Replaceable glide shoes for extending system life
- 3 Robust, double stroke system for long unsupported lengths
- 4 Types with non-opening, single-part chain link design
- 5 Chain links made of plastic
- 6 Vertical and horizontal divider options separate and organize cables
- 7 Outer noise dampening elements
- 8 Inside space is gentle on the cables – no interfering edges
- 9 Very fast and easy cable installation by simply pressing in of the cables
- 10 Types with openable crossbars – for easy cable installation
- 11 Optional designs covered on one side or on both sides with plastic cover system
- 12 Types with detachable crossbars
- 13 Universal mounting brackets (UMB) with integrated strain relief comb

Sub-division



simple

Height



4.6 – 44 mm

Width



6 – 250 mm

Load



up to 10 kg/m

Travel path



up to 150 m

Travel speed



up to 10 m/s

Acceleration

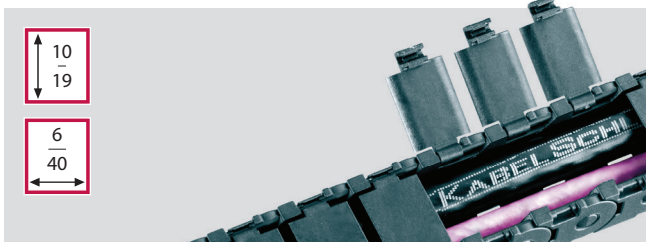


up to 50 m/s<sup>2</sup>

The assigned values are average values. Depending on the specific application, the maximum values may differ significantly. For detailed information please contact us.

### MONO

Cable carriers with simple design for standard applications



- Simple single piece chain links design with either non-opening or hinged opening crossbars
- Simple and quick assembly
- Compact design for operation in tight spaces
- Mounting brackets with integrated strain relief

### UNIFLEX Advanced

Light, quiet standard track for a wide range of applications



- Noise-optimized for quiet operation
- Designs with inward or outward opening or non-opening crossbars available
- Crossbars fast and easy to open due to ball joint hinge mechanism
- Dividers movable or fixed in place
- Long unsupported lengths
- Various cavity partitioning options for the cables

## ENERGY AND SIGNALS

STANDARD applications

### TKA Series

Chip-tight right to the end



Example of cross section

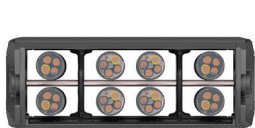
- 1 Secure cover attachment even under severe stresses (e.g. due to hydraulic cables)
- 2 Designs with inward or outward opening covers
- 3 Cable-friendly interior space without sharp edges
- 4 Cover completely detachable on one side
- 5 Quick and easy opening from any vantage point
- 6 Connecting pieces with optional strain relief
- 7 Dividers and height separation for cables
- 8 Chain links made of glass fiber-reinforced plastic
- 9 Cover sheet for universal mounting bracket
- 10 Integrated noise damping system
- 11 Pin and bore connection and stroke system covered completely

Pitch	Height	Width	Load	Travel path unsupported	Travel path gliding	Travel speed	Acceleration
30.5 – 55.5 mm	20.5 – 45 mm	15 – 175 mm	up to 10 kg/m	up to 6 m	up to 150 m	up to 9 m/s	up to 45 m/s <sup>2</sup>

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### Splash- and dustproof – in more than 300 sizes

- Impermeability against chips, excellent cable protection also in the connection area
- TKA55: IP54 tested and attested (TÜV NORD)
- On request, also in special material with protection against hot chips up to 850 °C
- Quick routing of the cables, easy to open
- Inner or outer opening variants available
- Extensive unsupported length due to 3-fold stroke system
- Integrated gliding surfaces for gliding arrangements
- Suppressed against vibration and noise using an internal damping system
- High torsional rigidity



TKA30



6 inside widths  
15 – 65 mm



TKA38



6 inside widths  
25 – 130 mm



TKA45



5 inside widths  
50 – 150 mm



TKA55



6 inside widths  
50 – 175 mm

# Innovative solutions

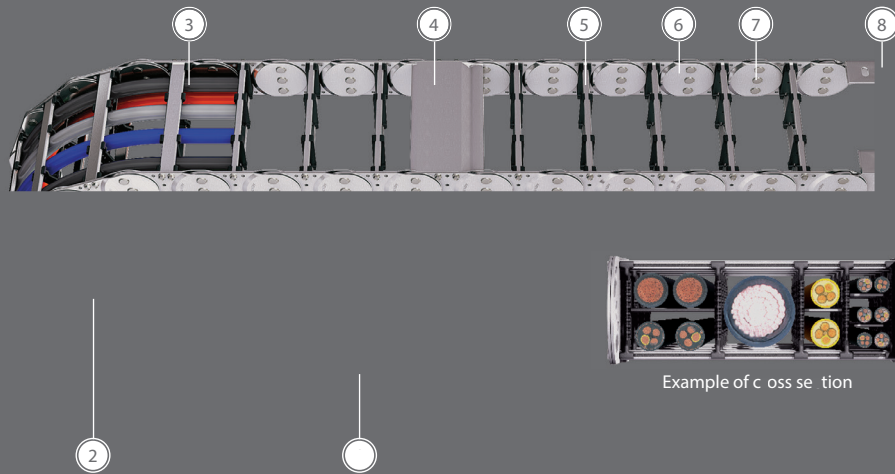
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## ENERGY AND SIGNALS








### EXTREME applications

## Steel/stainless steel cable carrier systems – solutions for extreme applications

Lubricant-free cable and hose carrier systems made of steel or stainless steel for applications in extreme environments. Steel and stainless steel carrier systems are the carrier of choice for operation in extreme heat or the harshest environments. We offer various carrier types and designs ranging from compact style to super-sized carriers. Customized cavity partitioning as well as aluminum cover systems provide optimum cable protection even under heavy mechanical loads/stress.



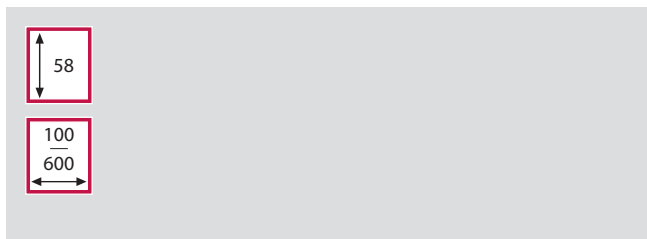
- ① Link design with special bolts for long service life
  - ② Various cable separation options
  - ③ Dividers made of plastic or steel
  - ④ Aluminum cover available in custom 1 mm width increments
  - ⑤ Various custom crossbar options available in 1 mm width increments
  - ⑥ Extremely robust sidebands; zinc plated or made of stainless steel
- STAINLESS STEEL**  
RUST-FREE
- STEEL**  
ZINC PLATED
- ⑦ All steel cable carriers are lubricant-free
  - ⑧ Variety of mounting bracket options available

Sub-division	Height	Width	Load	Depth	Travel speed	Acceleration
 complex	 24 – 370 mm	 26 – 1500 mm	 up to 600 kg/m	 up to 25 m	 up to 10 m/s	 up to 20 m/s <sup>2</sup>

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### LS/LSX Series

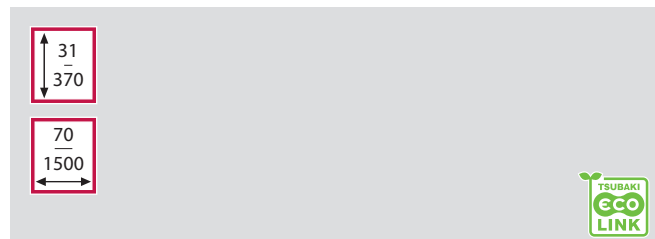
Cost-effective, light-weight steel chains



- Improved dynamic characteristics due to weight-optimized design
- Long unsupported lengths for small to medium additional loads
- Cover with steel band for optimum cable protection available on request

### S/SX Series

Extremely robust and heavy-duty steel chains



- Extremely robust and heavy-duty steel chains for large mechanical loads and harsh environmental conditions
- Very long unsupported lengths even for heavy additional loads
- Various types in a variety of dimensions available
- Aluminum cover available for maximum protection of the cables

# Innovative solutions

for the Waterjet, Laser and Plasma Table

CABLE CARRIER Data sheet

## Waterjet, Laser & Plasma Cutting Table



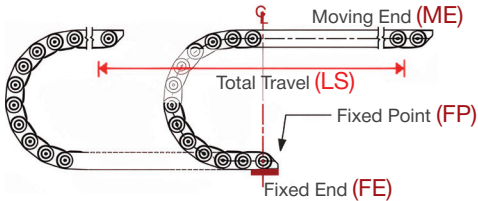
- LS - Total Travel
- MH - Mounting Height
- ME - Moving End
- FE - Fixed End

Carrier Material (choose one)

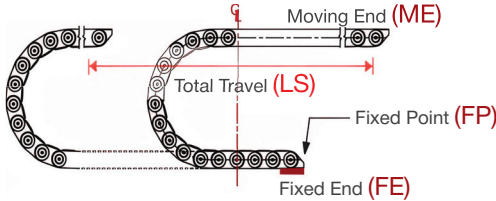
- Steel
- Plastic
- Hybrid

Fixed Point (choose one)

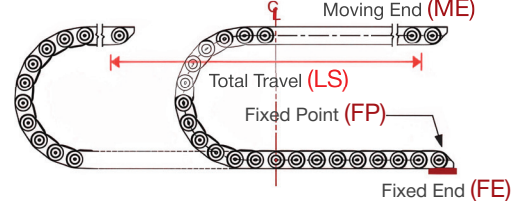
Fixed Point at Center of Travel



Off Center Fixed Point

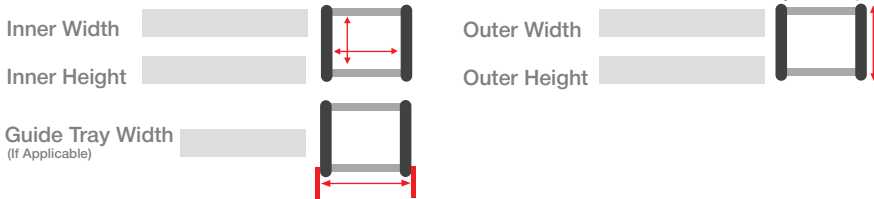


Fixed Point at End of Travel



Total Travel  (If Applicable) Fixed Point Offset from Center of Travel

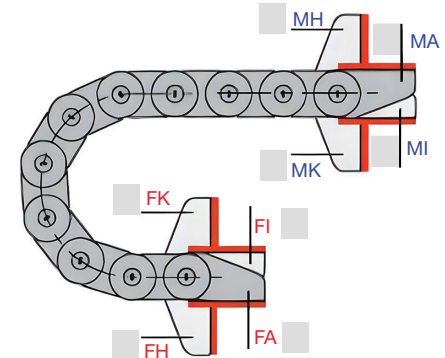
Mounting Height (MH)



Mounting Brackets (Choose One)

- Standard Plastic
- Standard Steel
- Universal

Select Mounting Bracket Position for the Moving End (M) and the Fixed End (F)



Select Flanges In (I) or Out (A) for both the Moving End (M) and the Fixed End (F)



Hose & Cables - Please list types of hose or cables, the outside diameter and how many of each in the carrier.