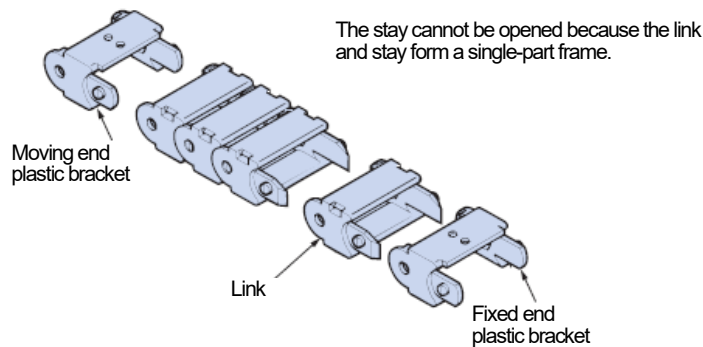


TSUBAKI CABLEVEYOR (Cable Carriers)

TKP13H10, TKP18H15
(Formerly TKP0130) (Formerly TKP0180)
Single-part Frame Single-part Frame

Caution: Wear suitable protective equipment for the work (such as safety goggles, gloves, and safety shoes).

1 Structure/ Part Name



2 Delivery

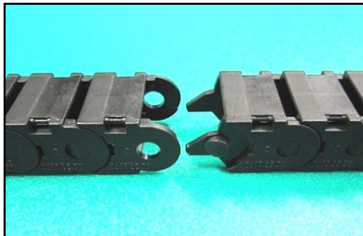
The cable carrier is delivered in sections if its length exceeds the standard length (number of links shown below).

The moving and fixed end plastic brackets are usually delivered unmounted.

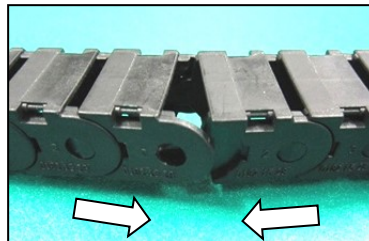
[Standard length (No. of links)] • TKP13H10: 77 links • TKP18H15: 55 links

3 Connection

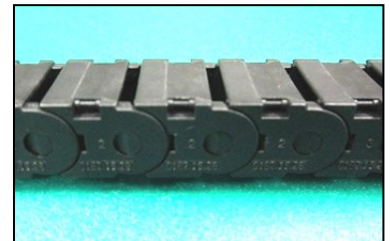
* The same procedure applies to connecting the links to the moving and fixed end plastic brackets respectively.



1. Align two links to be connected to each other.
Note: Make sure that the two links are placed so that both of their top faces are oriented upward.



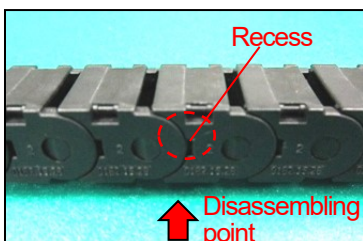
2. Overlap the links with each other and insert the pin into the hole on one side.



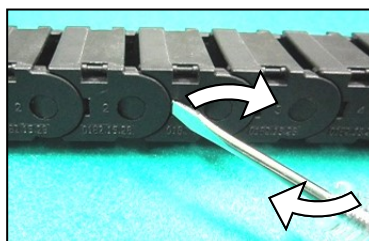
3. Push in the other side of the links and insert the pin into the hole to connect them.

4 Disassembly

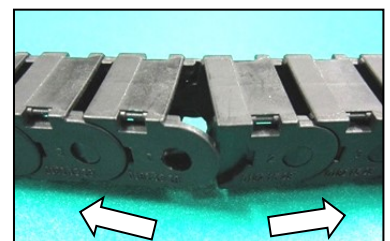
* The same procedure applies to separating the links from the moving and fixed end plastic brackets respectively.



1. Insert a flathead screwdriver (tip width: 2 to 3 mm) into the recess at the disassembling point (circled part).



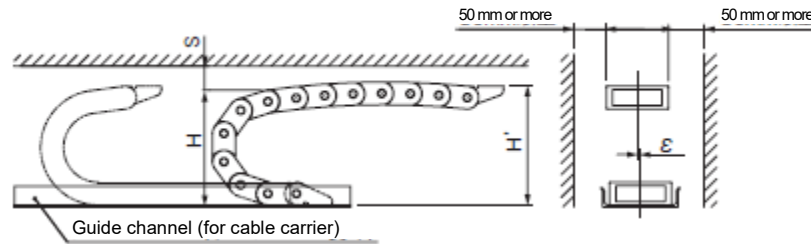
2. Twist the flathead screwdriver in the direction of the arrow to remove the pin from the hole.



3. Bend the cable carrier in the direction of the arrows using the pin on the other side as a pivot point to split it.

5 Handling Precautions

Depending on the operating conditions, pretension or sagging occurs in the unsupported length portion of the cable carrier. However, if the product is selected according to the load diagram provided by Tsubaki, it will not cause problems during operation.



1. Cable carrier mounting height (H') should be cable carrier height $H + (10 \text{ to } 30) \text{ mm}$.
2. Leeway space (S) should be 50 mm or more.
3. Install a guide channel.
4. The difference (ϵ) in connection surface between the moving and fixed end brackets should be 3 mm or less.
5. Use highly flexible, wear-resistant cables/hoses that are intended for movable parts.
6. Avoid using wire-braided cables/hoses as they may wear easily.
7. Lay out cables/hoses in a row horizontally, as they wear easily when used stacked on one another.
8. Set cables/hoses with sufficient length, adjust them to proper lengths, and then clamp them at both ends.
9. Remove any foreign matter from the guide channel as it can cause malfunctions.
10. The following parts are delivered unmounted. Mount them when installing the cable carrier.
 - (Moving end/Fixed end) plastic brackets

* Any unevenness on the plastic bracket connection surface may damage the bracket. Ensure that the connection surface is as smooth and flat as possible. Over-tightening fixing bolts can also damage the plastic bracket. Use the following recommended tightening torque.

Bolt size	Recommended tightening torque
M3	0.3 N·m
M4	0.6 N·m

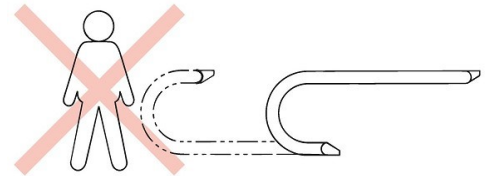
For Safe Use



WARNING

Observe the following points in order to prevent hazardous situations.

- Do not use the cable carrier and its accessories (including Cleanveyor and Flatveyor) for anything other than their original purpose.
- Do not stand or ride on the cable carrier. There is a risk of damage and falls.
- Never perform additional work on the cable carrier or the accessories (except fitting connectors on Cleanveyor or Flatveyor).
 - Do not clean the cable carrier or the accessories with acids or alkalis, as they may cause cracking.
 - Never electroplate the cable carrier or the accessories, as this may cause cracking due to hydrogen embrittlement.
 - Do not weld the cable carrier or the accessories, as the heat may cause cracking or a reduction in strength.
- Observe all appropriate labor safety codes and standards for your region or area.
- When there is a need to replace a damaged (fractured) portion of a cable carrier or an accessory, always replace the whole cable carrier or the accessory with a new product rather than replacing only the damaged or fractured portion.
- Immediately stop using the cable carrier or the accessories if they come into contact with a substance that can cause embrittlement cracking (acid, strong alkali, battery fluid, etc.) and replace with a new cable carrier or accessory.
- Observe the following when connecting, installing, removing, servicing, and inspecting the cable carrier or the accessories.
 - Perform the procedure as specified in the instruction manual, catalog, or documentation specially provided to the customer.
 - Secure the cable carrier and the accessories so they do not move freely. The cable carrier may move on its own or collapse under its own weight.
 - Be careful not to pinch, crush, or entangle hands in the bending section of the cable carrier.
 - Wear suitable clothing and protective equipment for the work (such as safety goggles, gloves and safety shoes).
 - Always turn off the source power supply beforehand, and take care not to accidentally operate switches.
 - Only experienced personnel should handle the cable carrier.



CAUTION

Observe the following points to prevent accidents

- Carefully understand the construction and specifications of the cable carrier or the accessories before handling.
- Inspect the cable carrier or the accessories for damage during transport before installation.
- The cable carrier or the accessories should be periodically serviced and inspected.
- Cable carrier capacity varies according to manufacturer. When selecting a chain based on a Tsubaki catalog always use the corresponding Tsubaki product.
- Always ensure that the final customer receives the instruction manual.
 - If you do not have the instruction manual, contact a Tsubaki representative with the product name, series name, and chain/model number to receive the appropriate manual.
- The product information given in this catalog is mainly for selection purposes. Thoroughly read the instruction manual before actually using the product, and use it properly.

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