

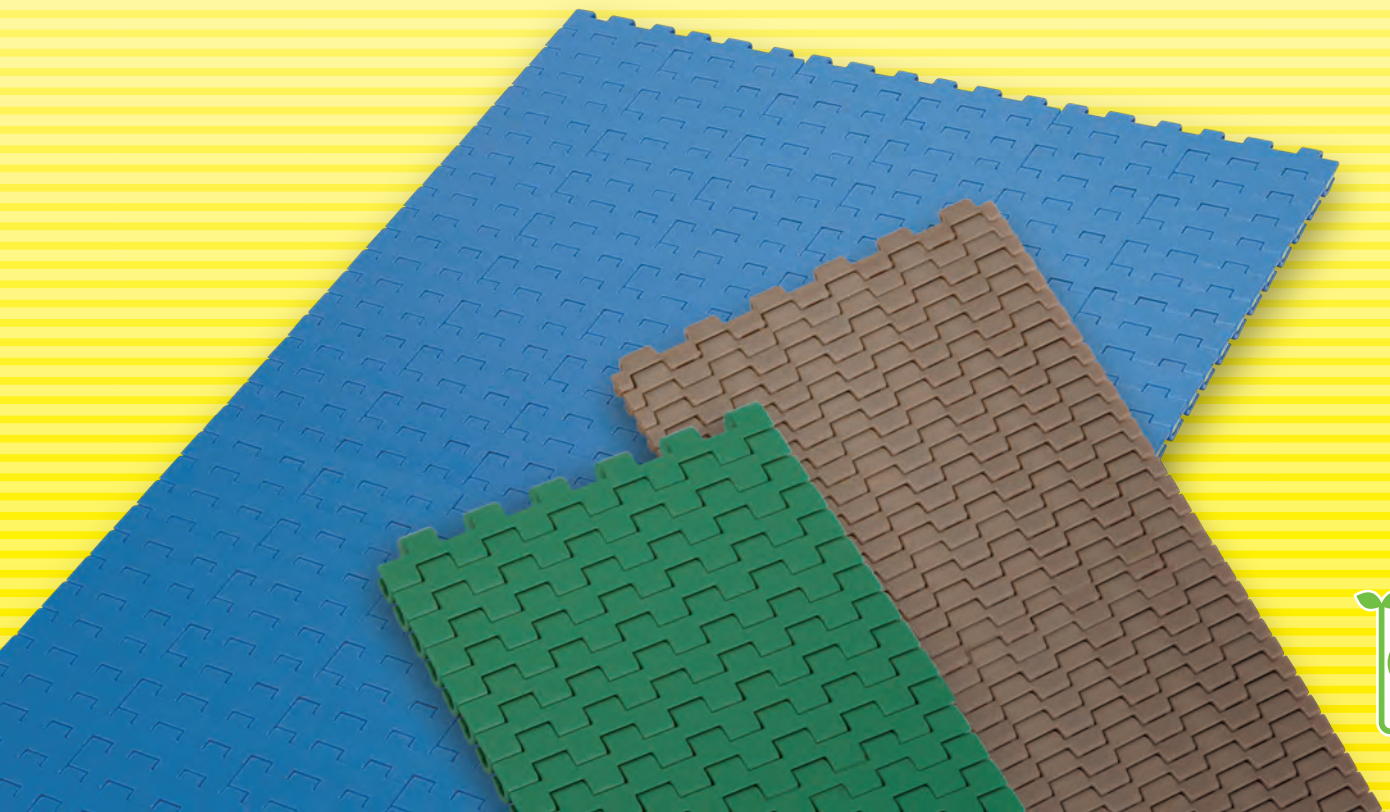
TSUBAKI Plastic Modular Chain

SWITCH TO

PLASTIC MODULAR CHAIN

For more efficient conveyance

Excellent choice of plastic modular chains!
Perfect solutions for various types of conveyor belt issues.



Recommend switching to plastic modular chains to solve various types of conveyor belt issues.

Don't you feel maintenance of belt conveyors are troublesome or that belt service life is too short?

Our highly durable plastic modular chains enable various layouts, more convenient and efficient conveying with excellent satisfaction.

Make the switch and see!



Belt

SWITCH
PLASTIC MODULAR

A whole conveyor belt needs to be replaced due to damage or breakage.

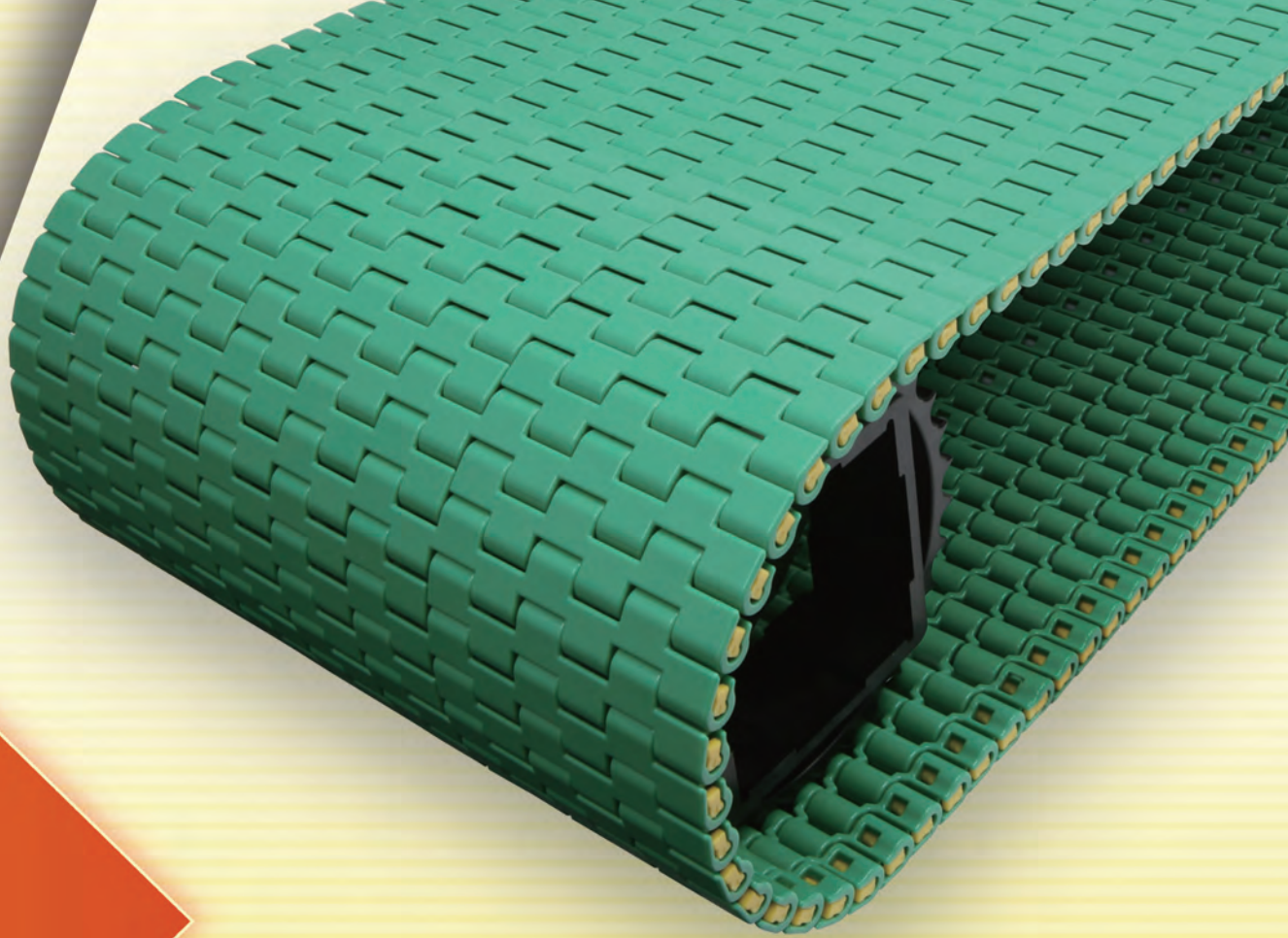
Meandering can cause belt ends to fray, resulting in the intrusion of foreign matter.

Slippage between belt and pulley can cause fluctuations in conveyance speed.

Accumulation can cause scratches to conveyed items.

Conveyor belts subjected to oil could be swollen.

	Belt
Durability (service life)	△
Meandering prevention	△
Drive	○
Conveyor height	◎
Maintenance	○
Initial costs	○
Running costs	△
Sliding performance	△
Oil resistance	△
Wear resistance	△
Orthogonal conveyance	△
Inclined conveyance	○



TO

CHAIN

Plastic Modular Chain

Easy partial maintenance and repair.

With tab guide attachments to prevent meandering.

Ensure stable running.

Enable accumulation.

Low friction property minimizes scratches to conveyed items.

Less swollen materials with oil.

Plastic Modular Chain



Note: The above will vary depending upon operating conditions such as mass of conveyed items and conveyance speeds.

● Advantageous
○ Slightly advantageous
△ Slightly disadvantageous

SWITCH TO

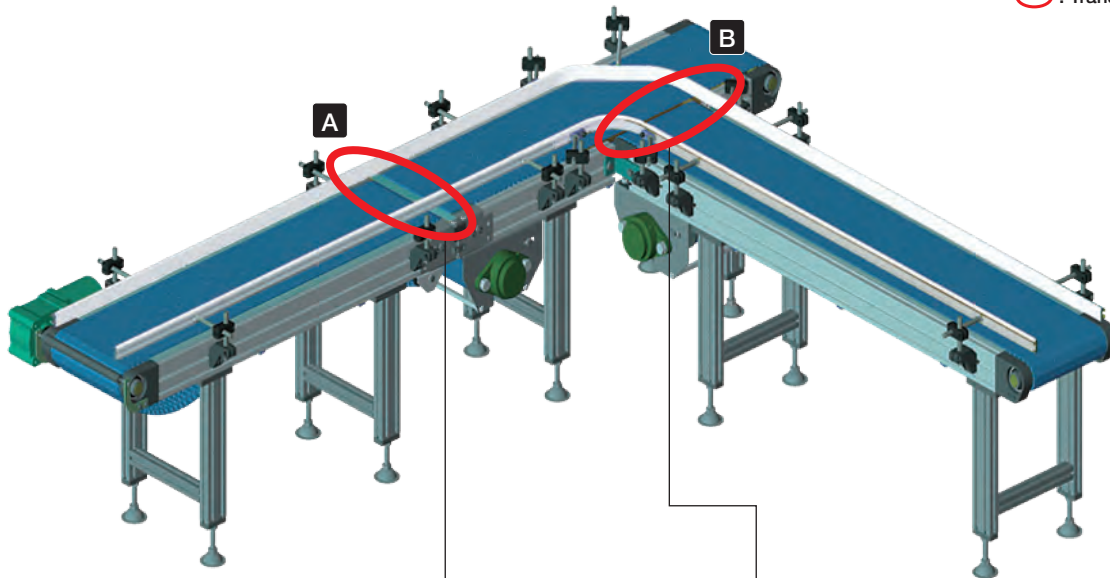
PLASTIC MODULAR CHAIN

For more efficient conveyance

Ideal for switching from belt conveyors

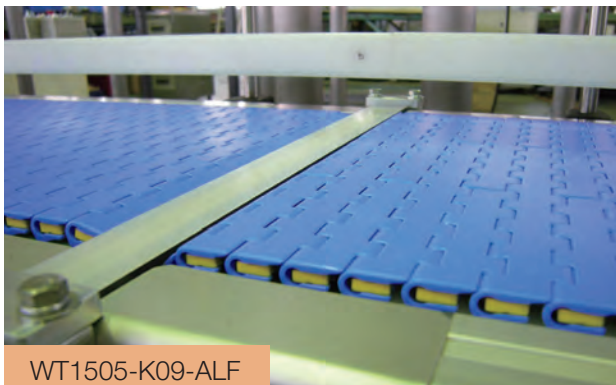
Capable of various layouts

○ : Transfer sections



A Straight transfer

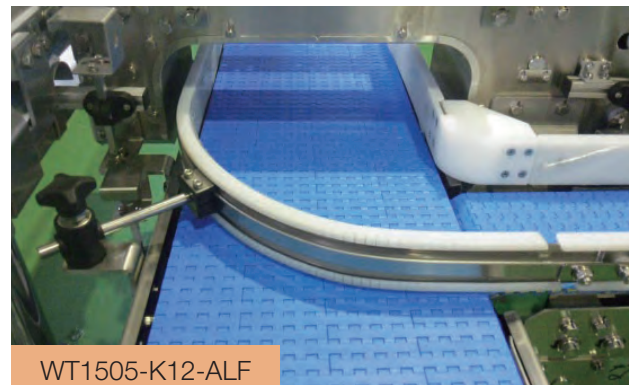
Easy straight transfer by small pitch plastic modular chains.



WT1505-K09-ALF

B Orthogonal transfer

No necessary for a dead plate (easy adjustment).

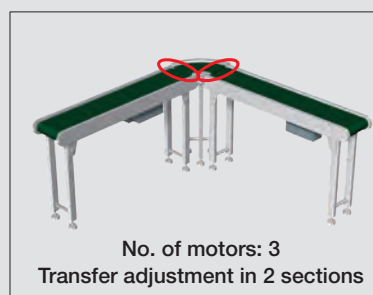


WT1505-K12-ALF

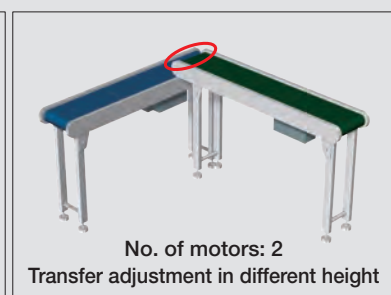
When used with belt conveyors

No dead plate (orthogonal layout)

Use of a dead plate can be eliminated for orthogonal layouts. Compared to using a curved belt conveyor, a space and the number of motors can be reduced. And transfer adjustment in difference height at front and rear of the orthogonal conveyors are not required.



No. of motors: 3
Transfer adjustment in 2 sections



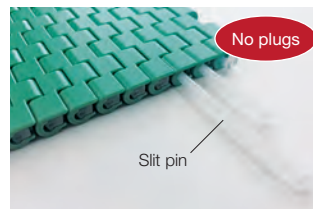
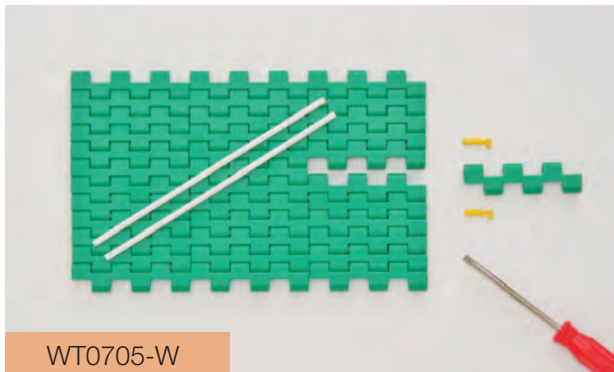
No. of motors: 2
Transfer adjustment in different height

○ : Transfer sections

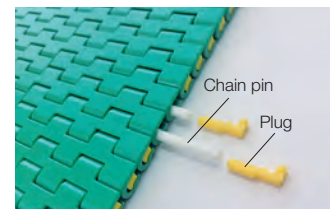
Meet the needs of various conveying applications

Easy maintenance and enable partial chain repair

- Assembly/disassembly is possible using a flathead screwdriver.
- 50-mm and 100-mm width chains feature a slit pin specification that enables them to be easily assembled/disassembled. Chain widths longer than 100 mm use both chain pins and plugs.



The slit pin specification is available for 50-mm and 100-mm widths.

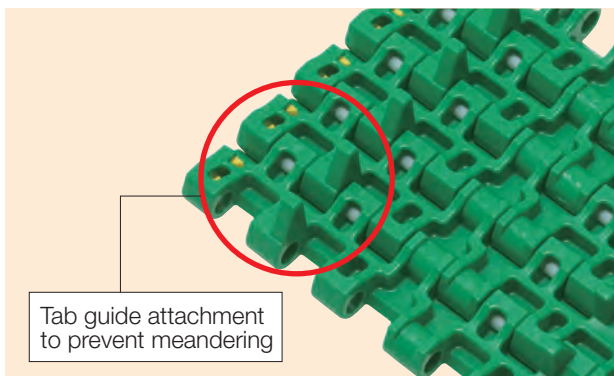


Chain widths longer than 100 mm use both chain pins and plugs.

Applicable chains: WT0705-W, WT1515-W, WT1516-W, WT1515G-M

Tab guide attachments to prevent meandering

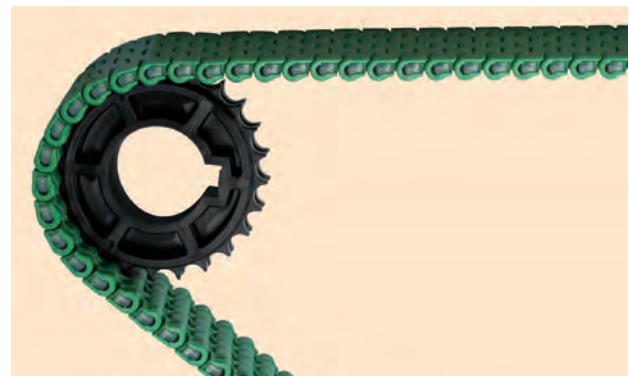
- Tab guide attachment at the bottom the chain can prevent meandering.



Applicable chains: WT1515G-W, WT1505G-K, WT1515G-M, WT1505G-M

Stable running

- Ensure stable running with toothed sprockets.
- Minimize the risk of slip caused by lubricants and cutting fluids.



Excellent sliding performance for smooth conveyance

- Features a low-friction property that enables both the smooth transfer of items between conveyors and the accumulation of conveyed items.



SWITCH TO

PLASTIC MODULAR CHAIN

For more efficient conveyance

Simple, lightweight, and easy-to-handle

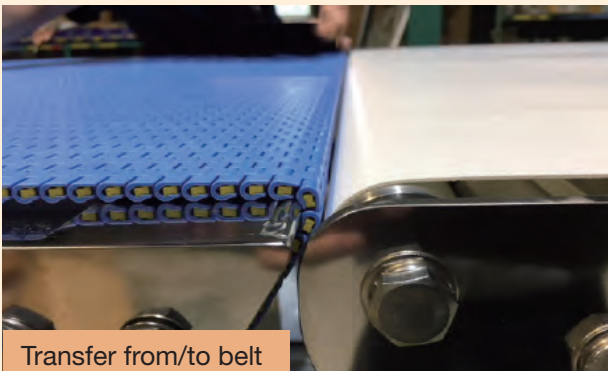
Application.1

Food conveyor lines

WT0705-W
(New project)

Chain width

**1000
mm**

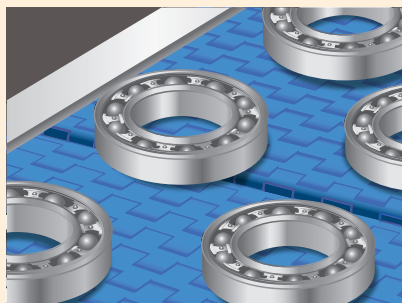


Transfer from/to belt



Transfer with plastic modular chains

Examples of conveyed items



Highlights

Sliding performance

Minimize scratches to the conveyed items even when they are sliding.

Straight transfer

The small-pitch chain (7.5-mm) minimizes a gap between nose bars, enabling a direct transfer between conveyors without a dead plate.

* The exchange of product liability documentation is required in the case of applications where food comes into direct contact with chains.

Excellent performance in various industries

Application.2

Mechanical component conveyors

WT1506-K
(Retrofit project)

Highlights

Sliding performance

Prevents scratches to conveyed items.

Maintenance

Partial chain repair can shorten recovery time.

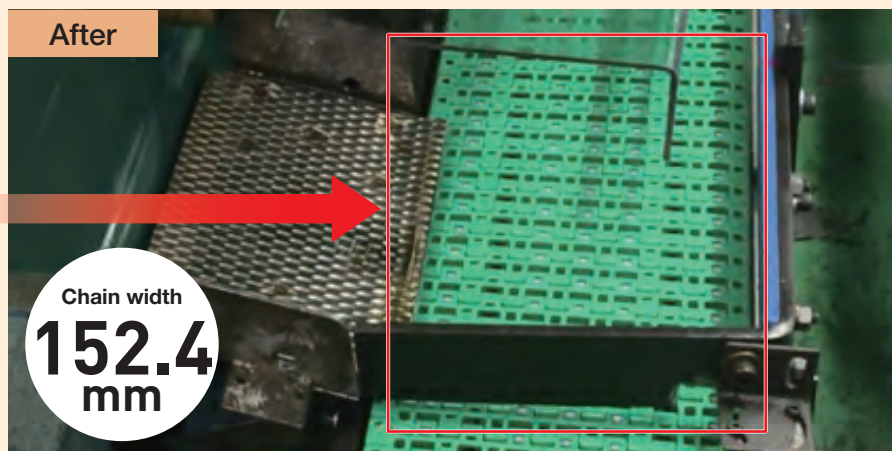
Stable running

The use of sprockets prevents slippage caused by oil and can minimize the intrusion of foreign matter by preventing belt ends from fraying.

Before



After



Chain width
152.4
mm

Application.3

Component assembly conveyors

**WT0705-W,
WT1515-W**
(New project)

Highlights

Sliding performance

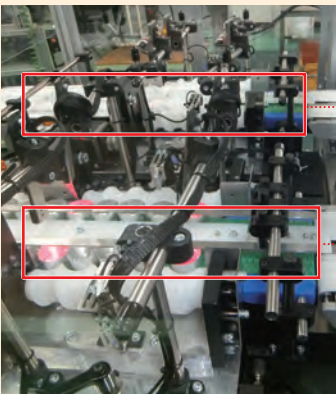
Enable accumulation, and absorb the speed difference between a screw and a conveyor.

Straight transfer

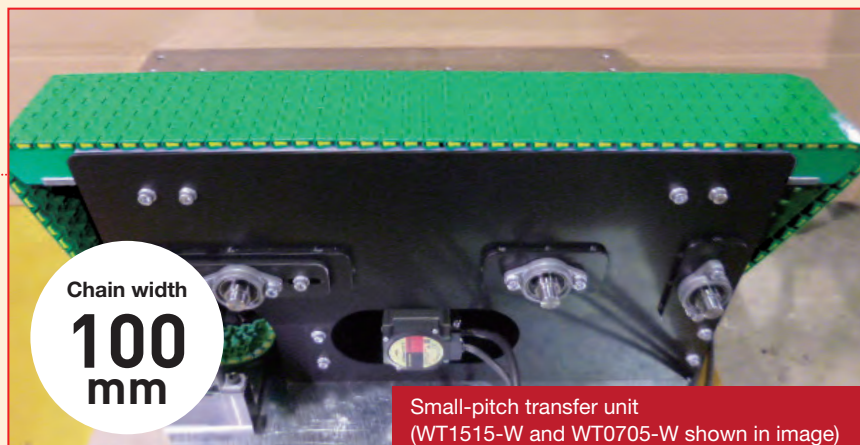
The small-pitch chain minimizes a gap between nose bars, facilitating a smooth transfer from head to tail between conveyors.

Maintenance

Although work space in the conveyor line may be limited, the chain can be easily assembled/disassembled just using a flathead screwdriver.

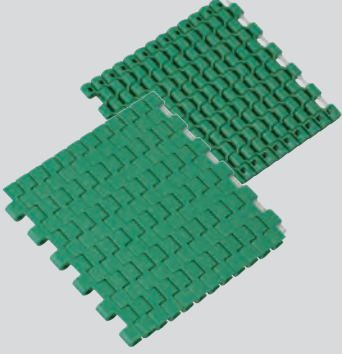
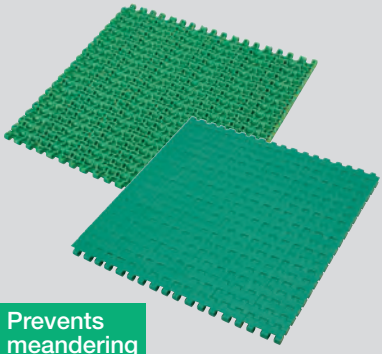
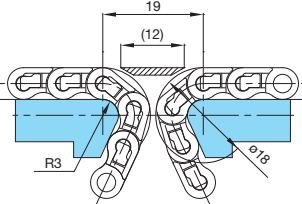
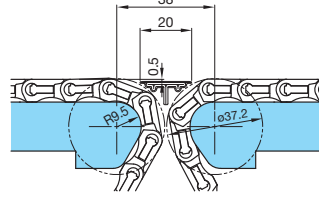
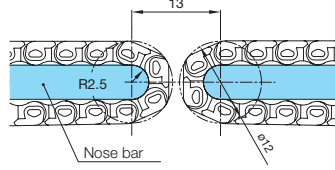


Two components are supplied separately and assembled on the conveyor line.



Small-pitch transfer unit
(WT1515-W and WT0705-W shown in image)

Tsubaki's recommended plastic modular chains

WT0705-W	WT1515(G)-W WT1516-W	WT0405-W
Tsubaki's small pitch chain (standard material)	Both 50-mm and 100-mm widths are available, enabling to design long-length conveyor with high strength	High-functional plastic chain with PEEK resin
	 Prevents meandering	
Specifications Chain pitch: 7.5 mm Chain width: From 50 mm (can be widened in 50-mm increments) Available materials LFG (low friction, wear-resistant) ALF (Advanced-low friction, wear-resistant)	Specifications Chain pitch: 15 mm Chain width: From 50 mm (can be widened in 50-mm increments) Available materials LFG (low friction, wear-resistant) ALF (Advanced-low friction, wear-resistant)	Specifications Chain pitch: 4.5 mm Chain width: From 90 mm (can be widened in 45-mm increments) Available materials PK150 (heat-resistant, radiation-resistant, vacuum-resistant)
Recommended applications  Canned goods Beverages Mechanical components Breadmaking / food products Semiconductors and solar panels	Recommended applications  Canned goods Beverages Tires Mechanical components Packages	Recommended applications  Batteries Semiconductors and solar panels
Head to tail layout with nose bars 	Head to tail layout with nose bars 	Head to tail layout with nose bars 



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