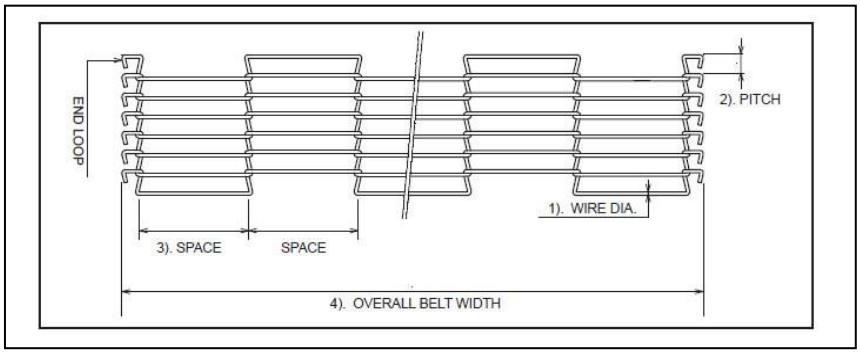
Unico wire belting is designed to carry not only light weight products but also relatively heavy products with extra-large openings, enabling better air flow. It is ideal for heating and cooling of food processes, drying, washing and positioning. (For instance, chocolate coating, ovens, fryers, steamers etc.)

Specifications
With the combination of
1. Wire diameter,
2. Pitch
3. Number of spaces
4. Overall width

There are varieties of specifications made to order.
The followings are typical specifications

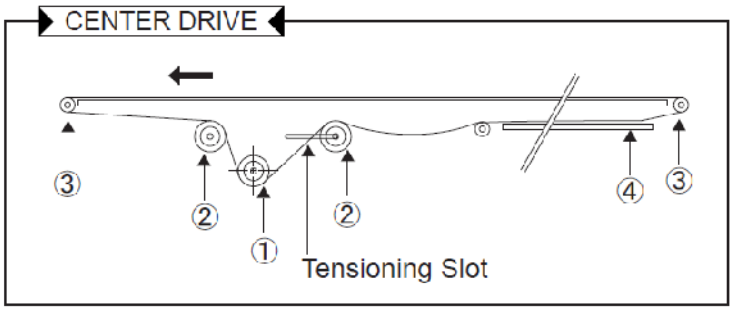


Specification (Wire dia X Pitch)	1.2 w.d X 6p	1.2 w.d X 7p	1.6 w.d X 7.3p	1.8 w.d X 12.7p	2.0 w.d X 13p	2.3 w.d X 12.7p
Space (Standard Span)	60 to 80mm					
Overall Width	As Requested					
Approx Maximum Loading Weight	5 kg / M2		11 kg /M2	29 kg /M2	37 kg /M2	49 kg /M2
Maximum Belt Speed	10 M/ min		18 M/min		20 M/ min	

Besides the above specification, we can produce and offer in accordance with requests. Available diameters are from 0.9mm to 3.5mm.

Conveyor structure

The following is standard and recommended conveyor structures.



1. Sprockets
2. Take-up rollers
3. Transfer rollers
4. Wear strips

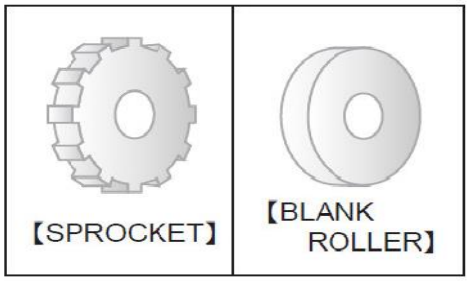
*This structure is based on conveyor length 5M or so.

IMPORTANT

At least 5 teeth of sprockets must always be engaged with the wire belt.
Unico wire belting should work with low-tension. Let the belt loose and make the belt sag on the return way. (Do not keep the wire belt fully stretched.)

SPROCKETS
Drive components directly engage with Unico wire belting

BLANK ROLLERS
Round roller installed on both sides of the drive shaft to support wire belt level.



Standard Sproket Size

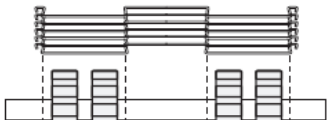
Specification (Wire dia X Pitch)	1.2 w.d. X 6p		1.2 w.d. X 7p		1.6 w.d. X7.3p	
Sprockets	065	080	065	080	065	080
Outer Dia	65.7	78.8	63.8	79.2	63.8	78.6
Bore Dia	20	20	20	20	20	20
No. of Teeth	32	39	26	33	25	31
Blank Rollers						
Outer Dia	61.3	74	58.5	74	58.2	72.5
Bore Dia	20	20	20	20	20	20
Specification (Wire dia X Pitch)	1.8 w.d. X 12.7p		2.0 w.d. X 13p		2.3 w.d. X 12.7p	
Sprockets	065	080	080	0100	080	0100
Outer Dia	66.8	78.8	77.7	98.4	76.3	96.3
Bore Dia	20	20	20	20	20	20
No. of Teeth	15	18	17	22	17	22
Blank Rollers						
Outer Dia	60.5	75.5	70.7	91.1	68.7	88.7
Bore Dia	20	20	20	20	20	20

Material: POM (polyacetal) or Stainless Steel
* Key way is available.
** Sprockets are supplied with 2 set-screws, and blanks wtih 1 set-screw.
*** Other specifications are able to be produced on request.

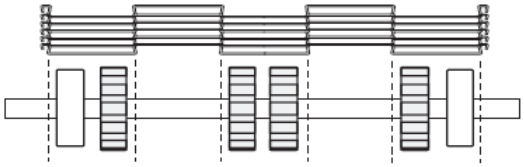
Required Number of Sprockets:
Standard number of sprockets required shown by the table below.

No. of Spaces	Sprocket	Blank
3 spaces	4	0
5 spaces	4	2
Over 7 spaces	No. of space - 1	2

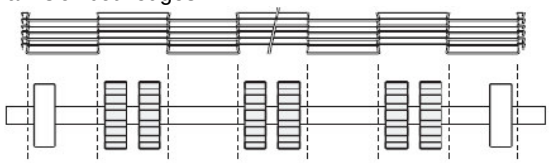
3 Spaces
required 4 sprockets on odd columns



5 spaces
required 4 sprockets on odd columns and 2 blanks on both edges



7 Spaces or Over
required 2 sprockets each on even columns and 2 blanks on both edges



Unico wire belting stretches while the conveyor is running at initial operation and for long time use. For over 1,000mm long conveyors, take-up device is required to equipment to adjust proper tension of wire belt.
If the belt is bent backwards, it is requested to install the largest size roller as possible. The following table is an indeX of necessary diameters. Take-up roller diameter requires roughtly 10 times of belt pitch.

Index of Take - Up Roller Size (Unit:mm)

Specification (Wire dia X Pitch)	1.2 w.d. X6p	1.2 w.d. X 7p	1.6 w.d. X 7.3p	1.8 w.d. X 12.7p	2.0 w.d. X 13p	2.3 w.d. X 12.7p
Take-up Roller	65mm dia	65mm dia	65mm dia	120mm dia	130mm dia	130mm dia

Required Number of Take-Up Rollers (per shaft)

Number of Space +1

TRANSFER ROLLERS:
The following table is indeX of the necessary diameter.
Transfer roller diameter requires roughly 4 times of belt pitch.

Index of Transfer Roller Size (Unit:mm)

Specification (Wire dia X Pitch)	1.2 w.d. X6p	1.2 w.d. X 7p	1.6 w.d. X 7.3p	1.8 w.d. X 12.7p	2.0 w.d. X 13p	2.3 w.d. X 12.7p
Take-up Roller	30mm dia	30mm dia	30mm dia	39mm dia	39mm dia	39mm dia

Material: POM (polyacetal) or Stainless Steel

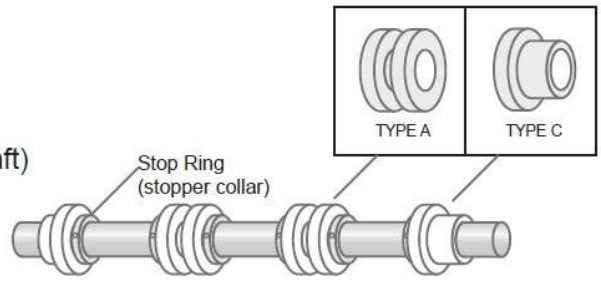
In order to avoid transfer roller lateral displacement, it is necessary to hold with stop-rings (stopper collar) from both sides of roller as shown by the drawing.

SHAPE and INSTALLATION POSITION

TYPE-A: Installed under path of Z-bend between spaces
TYPE-C: Installed under path of Z-bend right next to End-Loops

Required Number of Transfer roller (per shaft)

Type A: Number of Space - 1 **Type C: 2**



WEARSTRIPS:
Support rails can work to keep the belt flat and avoid sagging down by the product weight.
It is required to have both carry way and return way.

Interval of Wearstrip
Carry way - approXi. 100 to 150mm (depending on product weight) Return way - approXi. 150mm