

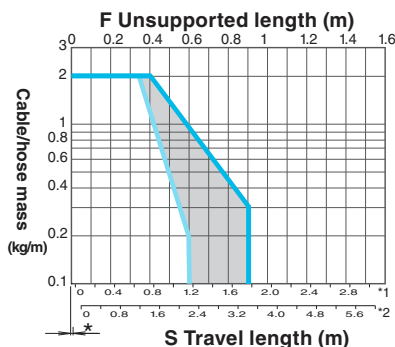
Basic specifications

Maximum travel speed (m/min)		300 * ¹
Operating temperature range (°C)		-40 to 80
Materials	Link	Engineering plastic (black)
	Bracket	
	Vertical divider	
	Horizontal divider	Engineering plastic (white)
Standard length (No. of links)		Specified number of links

Notes: ★ 1. 150 m/min for support roller arrangement.

2. Contact a Tsubaki representative regarding maximum acceleration.
3. Cannot be used in acidic or alkaline environments.

Load diagram



- * Includes leeway length.
- * 1: Without support rollers
- * 2: With support rollers

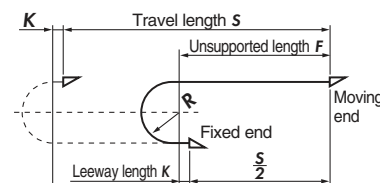
Note: At the conditions in the shaded area of the load diagram, the unsupported length section may run with a sag. This may cause interference between the cable carrier and equipment depending on the installation conditions. Contact a Tsubaki representative for further information.

Calculating no. of links

$$\text{Number of links} = \frac{\frac{S}{2} + \pi R + 2K}{P}$$

Note: When fixed end is at the center of the travel length. Always round up the value.

* Due to the structure, the number of links must be even.



S: Travel length (mm)
R: Bending radius (mm)
P: Pitch = 15 mm
K: Leeway length = 15 mm or greater

* Set the leeway length K to 23 mm or greater for support roller arrangement. Set the installation distance of support rollers to 350 mm or less.

Model number

TKR15H22 - (1) W (2) R (3) + (4) L - (5) - (6)

(1) Opening options	(2) Inner width	(3) Bending radius	(4) Number of links	(5) Fixed end	(6) Moving end
30 Outside openable stay	20	40		FO	MO
	40	50		FI	MI
	60	75			

- Notes: 1. Moving end and fixed end brackets are common parts.
2. Dividers are delivered uninstalled.
3. Brackets are delivered installed.
4. Required number of vertical dividers: (normally installed every 4 links = installed every 2 stays)
• Number of links N for installing vertical dividers = Total number of links (even) ÷ 4
N: Integer (round down decimals)
• Required number of vertical dividers = N × n
n: Number of vertical dividers installed per spot on the link
5. Install vertical dividers from second stay on the moving end.

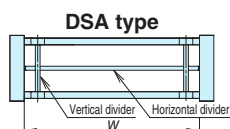
■ Plastic link (extension)

TKR15H22 - (1) W (2) R (3) ETL + (4) L

(1) Opening options	(2) Inner width	(3) Bending radius	(4) Number of links
30 Outside openable stay	20	40	
	40	50	
	60	75	

■ Divider

Type	Model number	Part	Unit
(1) Vertical divider	TKR15H22-ST	1 vertical divider	K (pcs)
(2) Horizontal divider (For DSA type)	TKR15H22-HS (Dimension W) W = 20/40/60	1 horizontal divider	K (pcs)



Note: 2 or more vertical dividers are required.

■ Vertical divider

Model number	For cable carrier model number
TKR15H22-ST	TKR15H22-30W■■R■■

■ Horizontal divider

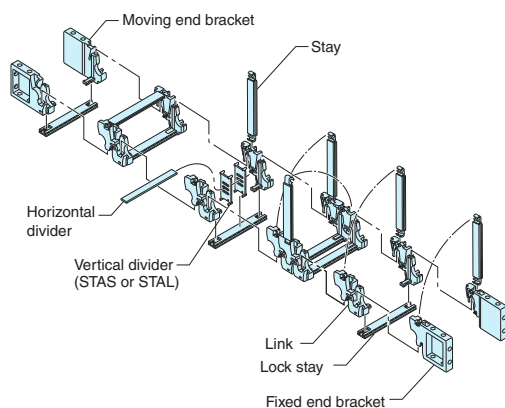
Model number	For cable carrier model number
TKR15H22-HS20	TKR15H22-30W20R■■
TKR15H22-HS40	TKR15H22-30W40R■■
TKR15H22-HS60	TKR15H22-30W60R■■

■ Bracket

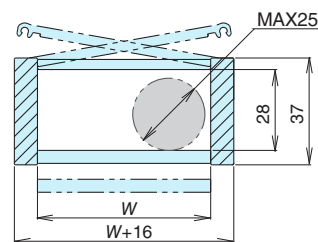
Model number	For cable carrier model number
TKR15H22W20-MO	TKR15H22-30W20R■■
TKR15H22W20-MI	
TKR15H22W20-FO	
TKR15H22W20-FI	
TKR15H22W40-MO	TKR15H22-30W40R■■
TKR15H22W40-MI	
TKR15H22W40-FO	
TKR15H22W40-FI	
TKR15H22W60-MO	TKR15H22-30W60R■■
TKR15H22W60-MI	
TKR15H22W60-FO	
TKR15H22W60-FI	

- Adding additional links —
- 1) Ordering
When ordering, be sure that the plastic link (extension) model number is for an even number of links.
 - 2) Delivery: (1), (2), and (3) below are delivered uninstalled in the following quantities.
 - (1) Outer links: (Quantity (number of links) ÷ 8 (round up) × 2 (left/right)) × Number of sets
 - (2) Inner links: (Quantity (number of links) ÷ 2) × Number of sets
 - (3) Stays: (Quantity (number of links) ÷ 2) × Number of sets
- * Outer links are common parts for both left and right sides. 8 links = 1 set and are delivered uncut.
- Ex. 1: TKR15H22-30W20R40ETL+2L 1H 2 links × 1 set
(1) Outer links: 2 (2) Inner links: 1 (3) Stay: 1
- Ex. 2: TKR15H22-30W20R40ETL+10L 2H 10 links × 2 sets
(1) Outer links: 8 (2) Inner links: 10 (3) Stays: 10

Structure



Cross-section dimensions

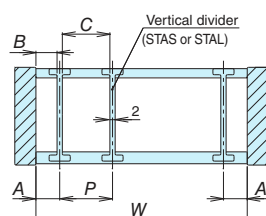


W = 30, 40, 50, 60, 80, 100, 120

A-A arrow view

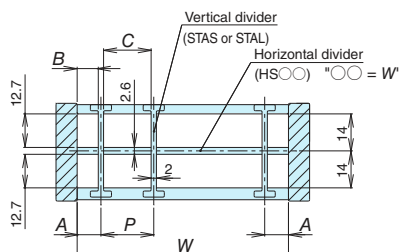
Divider dimensions

(1) When using only vertical dividers

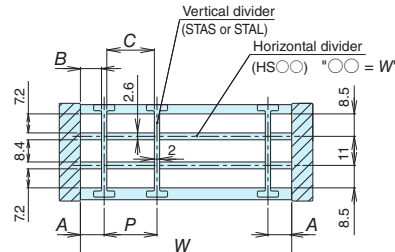


(2) Fully-stayed multiple height separation (DSA type)

When separating into 2 layers



When separating into 3 layers



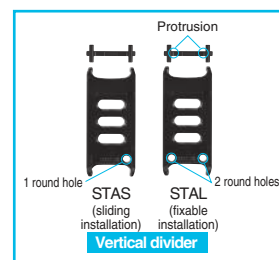
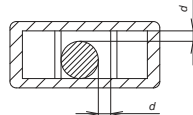
Vertical divider (fastening method)	Inner width W (mm)	A (mm)	B (mm)	P (mm)	C (mm)
STAS (sliding installation)	Common for all widths	4 to 21	3 to 20	8 to 82	6 to 80
STAL (fixable installation)	30	7 to 15	6 to 14	8 to 16	6 to 14
	40	4 to 20	3 to 19	8 to 32	6 to 30
	50	5 to 21	4 to 20	8 to 40	6 to 38
	60	6 to 18	5 to 17	8 to 48	6 to 46
	80	4 to 20	3 to 19	8 to 72	6 to 70
	100	6 to 18	5 to 17	8 to 80	6 to 82
	120	4 to 20	3 to 19	8 to 80	6 to 82

Note: The maximum values for A, B, P, and C are applied when using horizontal dividers.

Notes:

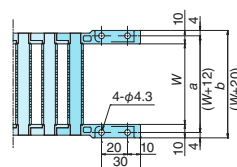
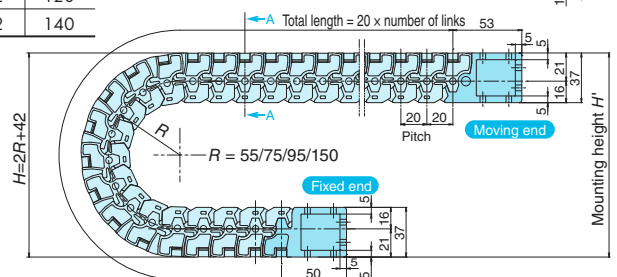
- A: Distance from center of vertical divider to end face of link
- B: Gap between vertical divider and link
- P: Distance between the centers of neighboring vertical dividers
- C: Gap between neighboring vertical dividers

Note: Make the gap between cables/hoses and the divider or link (d in the figure to right) to whichever of the following two values is larger: 2 mm or greater or the outer diameter of the cable or hose x 0.1.



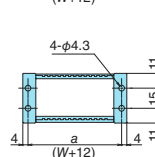
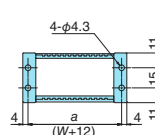
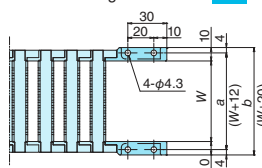
Dimensions & brackets

W (mm)	a (mm)	b (mm)	Bending radius R (mm)	Mounting height H' (mm)
30	42	50	55	182 to 202
40	52	60	75	222 to 242
50	62	70	95	262 to 282
60	72	80	150	372 to 392
80	92	100		
100	112	120		
120	132	140		



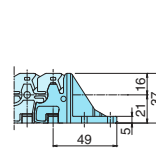
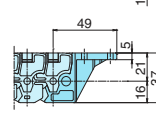
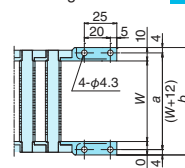
Fixed end bracket **FU**

Moving end bracket **MU**



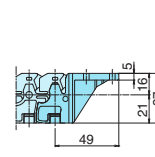
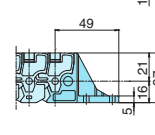
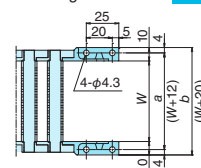
Note: Design and install according to the mounting height H' dimension.

Moving end bracket **MO**



Fixed end bracket **FO**

Moving end bracket **MI**



Fixed end bracket **FI**

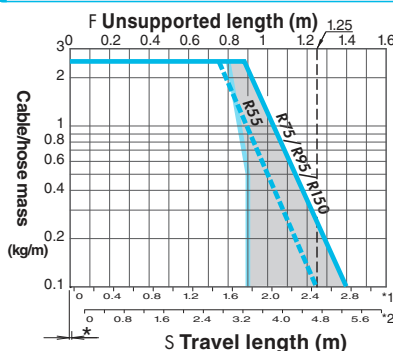
Note: The brackets are all different parts.

Basic specifications

Maximum travel speed (m/min)		300 * ¹
Operating temperature range (°C)		-40 to 80
Materials	Link	Engineering plastic (black)
	Bracket	
	Vertical divider	
	Horizontal divider	Engineering plastic (white)
Standard length (No. of links)		100

Notes: ★ 1. 150 m/min for support roller arrangement.
2. Contact a Tsubaki representative regarding maximum acceleration.
3. Cannot be used in acidic or alkaline environments.

Load diagram



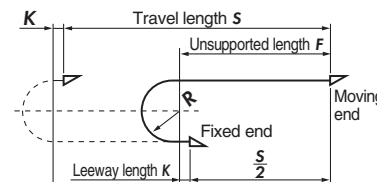
* Includes leeway length.
* 1: Without support rollers
* 2: With support rollers

Note: At the conditions in the shaded area of the load diagram, the unsupported length section may run with a sag. This may cause interference between the cable carrier and equipment depending on the installation conditions. Contact a Tsubaki representative for further information.

Calculating no. of links

$$\text{Number of links} = \frac{\frac{S}{2} + \pi R + 2K}{P}$$

Note: When fixed end is at the center of the travel length. Always round up the value.



S: Travel length (mm)
R: Bending radius (mm)
P: Pitch = 20 mm
K: Leeway length = 40 mm or greater

* Set the leeway length K to 60 mm or greater for support roller arrangement. Set the installation distance of support rollers to 700 mm or less.

Model number

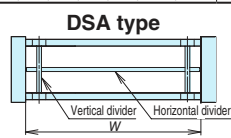
TKR20H28W (1) R (2) + (3) L - (4) - (5)

(1) Inner width	(2) Bending radius	(3) Number of links	(4) Fixed end	(5) Moving end
30	55		FU	MU
40	75		FO	MO
50	95		FI	MI
60	150			
80				
100				
120				

Notes: 1. Dividers are delivered uninstalled.
2. Brackets are delivered installed.
3. Required number of vertical dividers: (normally installed every 2 links)
Number of links N for installing vertical dividers = (Total number of links + 1) ÷ 2
N: Integer (round down decimals)
Required number of vertical dividers = N x n
n: Number of vertical dividers installed per spot on the link

■ Divider

Type	Model number	Part	Unit
(1) Vertical divider (sliding installation)	TKR20H28-STAS	1 vertical divider	K (pcs)
(2) Vertical divider (fixable installation)	TKR20H28-STAL	1 vertical divider	K (pcs)
(3) Horizontal divider (For DSA type)	TKR20H28-HS (Dimension W) W = 30/40/50/60/80/100/120	1 horizontal divider	K (pcs)



Note: 2 or more vertical dividers are required.

■ Vertical divider

Model number	For cable carrier model number
TKR20H28-STAS	TKR20H28W■■R■■
TKR20H28-STAL	

■ Horizontal divider

Model number	For cable carrier model number
TKR20H28-HS30	TKR20H28W30R■■
TKR20H28-HS40	TKR20H28W40R■■
TKR20H28-HS50	TKR20H28W50R■■
TKR20H28-HS60	TKR20H28W60R■■
TKR20H28-HS80	TKR20H28W80R■■
TKR20H28-HS100	TKR20H28W100R■■
TKR20H28-HS120	TKR20H28W120R■■

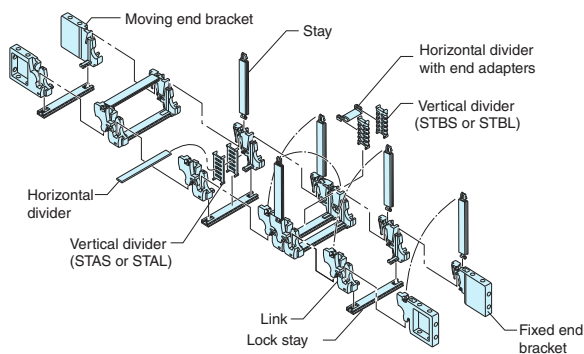
■ Bracket

Model number	For cable carrier model number
TKR20H28W30-MU	TKR20H28W30R■■
TKR20H28W30-MO	
TKR20H28W30-MI	
TKR20H28W30-FU	
TKR20H28W30-FO	
TKR20H28W30-FI	TKR20H28W40R■■
TKR20H28W40-MU	
TKR20H28W40-MO	
TKR20H28W40-MI	
TKR20H28W40-FU	
TKR20H28W40-FO	
TKR20H28W40-FI	TKR20H28W50R■■
TKR20H28W50-MU	
TKR20H28W50-MO	
TKR20H28W50-MI	
TKR20H28W50-FU	
TKR20H28W50-FO	
TKR20H28W50-FI	TKR20H28W60R■■
TKR20H28W60-MU	
TKR20H28W60-MO	
TKR20H28W60-MI	
TKR20H28W60-FU	
TKR20H28W60-FO	
TKR20H28W60-FI	TKR20H28W80R■■
TKR20H28W80-MU	
TKR20H28W80-MO	
TKR20H28W80-MI	
TKR20H28W80-FU	
TKR20H28W80-FO	
TKR20H28W80-FI	TKR20H28W100R■■
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TKR20H28W100-MO	
TKR20H28W100-MI	
TKR20H28W100-FU	
TKR20H28W100-FO	
TKR20H28W100-FI	TKR20H28W120R■■
TKR20H28W120-MU	
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TKR20H28W120-FO	
TKR20H28W120-FI	

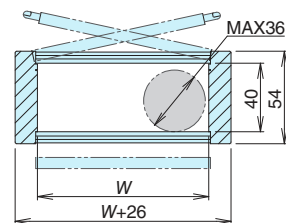
See page 15 for ordering information

See page 147 for product mass

Structure



Cross-section dimensions

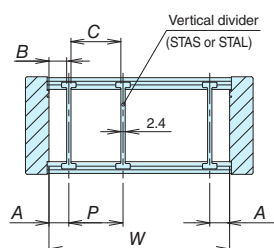


W = 50, 62, 75, 87, 100, 125, 150, 200

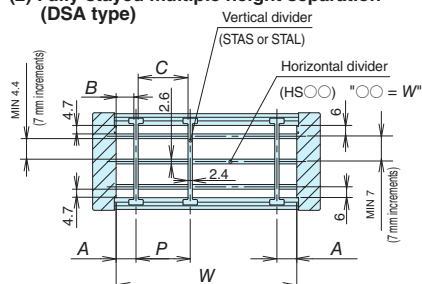
A-A arrow view

Divider dimensions

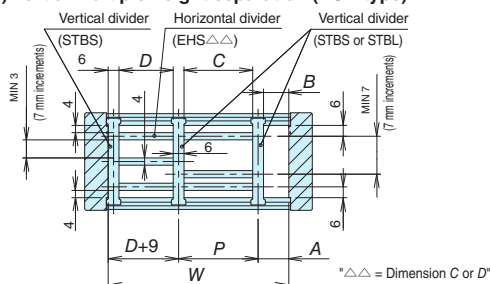
(1) When using only vertical dividers



(2) Fully-stayed multiple height separation (DSA type)



(3) Partial multiple height separation (DSB type)

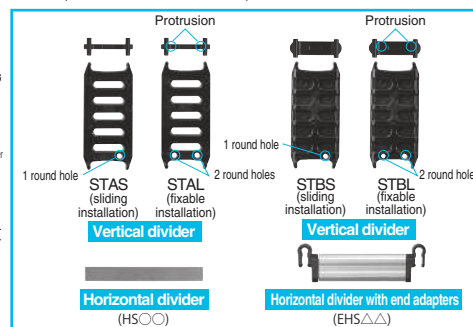
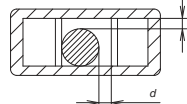


Vertical divider (fastening method)	Inner width W (mm)	A (mm)	B (mm)	P (mm)	C (mm)	D (mm)
STAS (sliding installation)	Common for all widths	3 to 65	1.8 to 63.8	8 to 140	5.6 to 137.6	
STAL (fixable installation)	50	5 to 37	3.8 to 35.8	8 to 40	5.6 to 37.6	
	62	7 to 47	5.8 to 45.8	8 to 48	5.6 to 45.6	
	75	5.5 to 61.5	4.3 to 60.8	8 to 64	5.6 to 61.6	
	87	3.5 to 63.5	2.3 to 62.3	8 to 80	5.6 to 77.6	
	100	6 to 62	4.8 to 60.8	8 to 88	5.6 to 85.6	
	125	6.5 to 62.5	5.3 to 61.3	8 to 112	5.6 to 109.6	
STBS (sliding installation)	150	7 to 63	5.8 to 61.8	8 to 136	5.6 to 133.6	
	200	4 to 64	2.8 to 62.3	8 to 192	5.6 to 189.6	
	50	min 5	min 2	26 to (W-6)	20 to (W-12)	20 to (W-12)
	62	min 7	min 4	28 to 40	22 to 34	20 to 36
	75	min 5.5	min 2.5	28 to 52	22 to 46	20 to 46
	87	min 3.5	min 0.5	28 to 64	22 to 58	20.5 to 60.5
STBL (fixable installation)	100	min 6	min 3	28 to 88	22 to 82	22.5 to 74.5
	125	min 6.5	min 3.5	28 to 111	22 to 106	21 to 85
	150	min 7	min 4	28 to 164	22 to 138	21.5 to 109.5
	200	min 4	min 1			22 to 134
						23 to 187

Notes:

- A Distance from center of vertical divider to end face of link
 B Gap between vertical divider and link
 C Distance between the centers of neighboring vertical dividers
 D Gap between neighboring vertical dividers when vertical dividers/dividers for both ends are installed

Note: Make the gap between cables/hoses and the divider or link (d in the figure below) to whichever of the following two values is larger: 2 mm or greater or the outer diameter of the cable or hose $\times 0.1$.

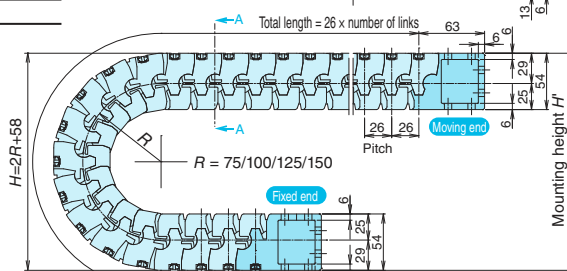


Note: The maximum values for A, B, P, and C are applied when using horizontal dividers.

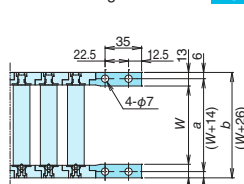
Dimensions & brackets

W (mm)	a (mm)	b (mm)	c (mm)	Strain relief comb n _z (toothed)
50	64	76	33	3
62	76	88	—	—
75	89	101	58	5
87	101	113	—	—
100	114	126	83	7
125	139	151	108	9
150	164	176	133	11
200	214	226	—	—

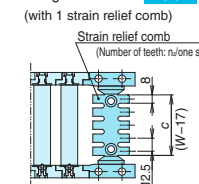
Bending radius R (mm)	Mounting height H' (mm)
75	238 to 258
100	288 to 308
125	338 to 358
150	388 to 408



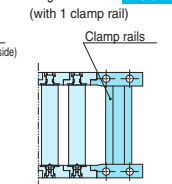
Moving end bracket MU



Moving end bracket MUCL

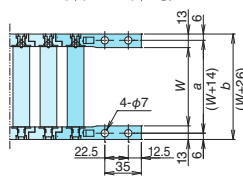


Moving end bracket MUCR



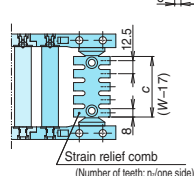
- Notes: 1. Strain relief combs and clamp rails can be installed on the inside and outside.
 2. Note that the strain relief comb and clamp rail cannot be added to the MU and FU brackets.
 ★3. Only when W = 50, 75, 100, 125, or 150.

Fixed end bracket FU



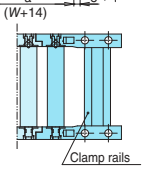
Fixed end bracket FUCL

(with 1 strain relief comb)



Fixed end bracket FUCR

(with 1 clamp rail)



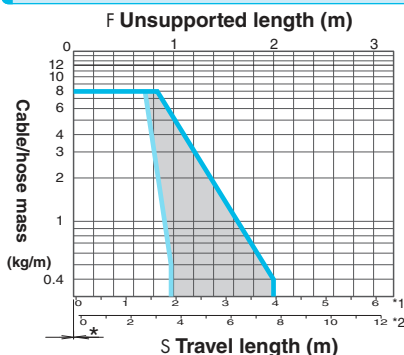
Note: Design and install according to the mounting height H' dimension.

Basic specifications

Maximum travel speed (m/min)			300 * ¹
Operating temperature range (°C)			-40 to 80
Materials	Link		Engineering plastic (black)
	Bracket		
	Vertical divider		
	Horizontal divider	For DSA type (HS)	Aluminum
		For DSB type (EHS)	Engineering plastic + aluminum (black)
Standard length (No. of links)			100

Notes: ★1. 150 m/min for support roller arrangement.
2. Contact a Tsubaki representative regarding maximum acceleration.
3. Cannot be used in acidic or alkaline environments.

Load diagram



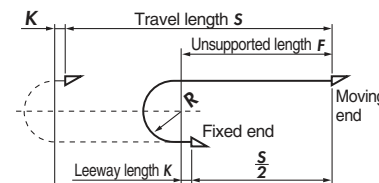
* Includes leeway length.
* 1: Without support rollers
* 2: With support rollers

Note: At the conditions in the shaded area of the load diagram, the unsupported length section may run with a sag. This may cause interference between the cable carrier and equipment depending on the installation conditions. Contact a Tsubaki representative for further information.

Calculating no. of links

$$\text{Number of links} = \frac{\frac{S}{2} + \pi R + 2K}{P}$$

Note: When fixed end is at the center of the travel length. Always round up the value.



* Set the leeway length K to 78 mm or greater for support roller arrangement.
Set the installation distance of support rollers to 700 mm or less.

Model number

TKR26H40W

(1) R (2) + (3) L - (4) - (5)

(1) Inner width	(2) Bending radius	(3) Number of links	(4) Fixed end	(5) Moving end
50	75		FU	MU
62	100		FUCL *d	MUCL *d
75	125		FUCR	MUCR
87	150			
100				
125				
150				
200				

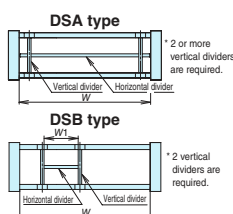
Notes:

1. Dividers, strain relief combs, and clamps
2. Brackets are delivered installed.
3. Required number of vertical dividers: (n) Number of links N for installing vertical divider N: Integer (round down decimals) Required number of vertical dividers =

Notes: 1. Dividers, strain relief combs, and clamp rails are delivered uninstalled.
2. Brackets are delivered installed.
3. Required number of vertical dividers: (normally installed every 2 links)
Number of links N for installing vertical dividers = (Total number of links + 1) ÷ 2
N: Integer (round down decimals)
Required number of vertical dividers = N × n
n: Number of vertical dividers installed per spot on the link
★4. Those for W = 62, 87, and 200 cannot use the FUCL fixed end and MUCL moving end.

Divider

Method	Type	Model number	Part	Unit
DSA type	Vertical Sliding installation	TKR26H40-STAS	1 vertical divider	K (pcs)
	Fixed installation	TKR26H40-STAL	1 vertical divider	K (pcs)
	Horizontal divider	TKR26H40-HS (Dimension W) W = 50/62/75/87/100/125/150/200	1 horizontal divider	K (pcs)
DSB type	Vertical Sliding installation	TKR26H40-STBS	1 vertical divider	K (pcs)
	Fixed installation	TKR26H40-STBL	1 vertical divider	K (pcs)
	Horizontal divider with end adapters	TKR26H40-EHS △△ △△ = Dimension C or D of divider dimensions	1 horizontal divider 2 end adapters	K (pcs)



Vertical divider

Model number	For cable carrier model number
TKR26H40-STAS	TKR26H40W■■R■■
TKR26H40-STAL	
TKR26H40-STBS	
TKR26H40-STBL	

Horizontal divider with end adapters

Model number
TKR26H40-EHS △△

△△: 20 to less than 188 * Minimum 0.5 mm each

Bracket

Model number	For cable carrier model number
TKR26H40W50-MU	TKR26H40W50R■■
TKR26H40W50-FU	
TKR26H40W62-MU	TKR26H40W62R■■
TKR26H40W62-FU	
TKR26H40W75-MU	TKR26H40W75R■■
TKR26H40W75-FU	
TKR26H40W87-MU	TKR26H40W87R■■
TKR26H40W87-FU	
TKR26H40W100-MU	TKR26H40W100R■■
TKR26H40W100-FU	
TKR26H40W125-MU	TKR26H40W125R■■
TKR26H40W125-FU	
TKR26H40W150-MU	TKR26H40W150R■■
TKR26H40W150-FU	
TKR26H40W200-MU	TKR26H40W200R■■
TKR26H40W200-FU	

Horizontal divider

Model number	For cable carrier model number
TKR26H40-HS50	TKR26H40W50R■■
TKR26H40-HS62	TKR26H40W62R■■
TKR26H40-HS75	TKR26H40W75R■■
TKR26H40-HS87	TKR26H40W87R■■
TKR26H40-HS100	TKR26H40W100R■■
TKR26H40-HS125	TKR26H40W125R■■
TKR26H40-HS150	TKR26H40W150R■■
TKR26H40-HS200	TKR26H40W200R■■

Bracket (with 1 strain relief comb)

Model number	For cable carrier model number
TKR26H40W50-MUCL	TKR26H40W50R■■
TKR26H40W50-FUCL	
TKR26H40W75-MUCL	TKR26H40W75R■■
TKR26H40W75-FUCL	
TKR26H40W100-MUCL	TKR26H40W100R■■
TKR26H40W100-FUCL	
TKR26H40W125-MUCL	TKR26H40W125R■■
TKR26H40W125-FUCL	
TKR26H40W150-MUCL	TKR26H40W150R■■
TKR26H40W150-FUCL	

Strain relief comb (plastic)

Model number	Applicable bracket
TKR26H40W50-CL-U	TKR26H40W50-MU/FU
TKR26H40W75-CL-U	TKR26H40W75-MU/FU
TKR26H40W100-CL-U	TKR26H40W100-MU/FU
TKR26H40W125-CL-U	TKR26H40W125-MU/FU
TKR26H40W150-CL-U	TKR26H40W150-MU/FU

Note: None for W62, 87, and 200.

Clamp rail (steel)

Model number	Applicable bracket
TKR26H40W50-CRA	TKR26H40W50-MU/FU
TKR26H40W62-CRA	TKR26H40W62-MU/FU
TKR26H40W75-CRA	TKR26H40W75-MU/FU
TKR26H40W87-CRA	TKR26H40W87-MU/FU
TKR26H40W100-CRA	TKR26H40W100-MU/FU
TKR26H40W125-CRA	TKR26H40W125-MU/FU
TKR26H40W150-CRA	TKR26H40W150-MU/FU
TKR26H40W200-CRA	TKR26H40W200-MU/FU

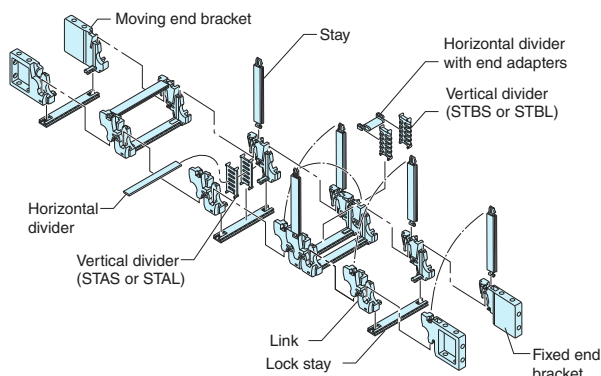
Bracket (with 1 clamp rail)

Model number	For cable carrier model number
TKR26H40W50-MUCR	TKR26H40W50R■■
TKR26H40W50-FUCR	
TKR26H40W62-MUCR	TKR26H40W62R■■
TKR26H40W62-FUCR	
TKR26H40W75-MUCR	TKR26H40W75R■■
TKR26H40W75-FUCR	
TKR26H40W87-MUCR	TKR26H40W87R■■
TKR26H40W87-FUCR	
TKR26H40W100-MUCR	TKR26H40W100R■■
TKR26H40W100-FUCR	
TKR26H40W125-MUCR	TKR26H40W125R■■
TKR26H40W125-FUCR	
TKR26H40W150-MUCR	TKR26H40W150R■■
TKR26H40W150-FUCR	
TKR26H40W200-MUCR	TKR26H40W200R■■
TKR26H40W200-FUCR	

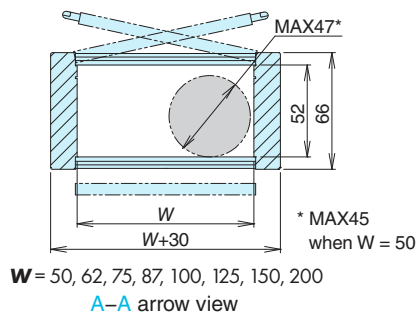
See page 15 for ordering information

See page 147 for product mass

Structure

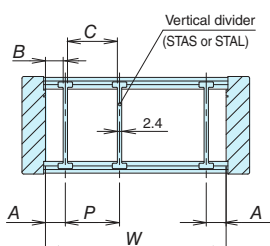


Cross-section dimensions

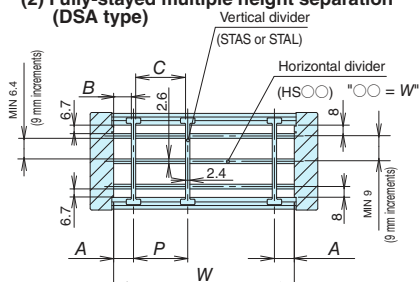


Divider dimensions

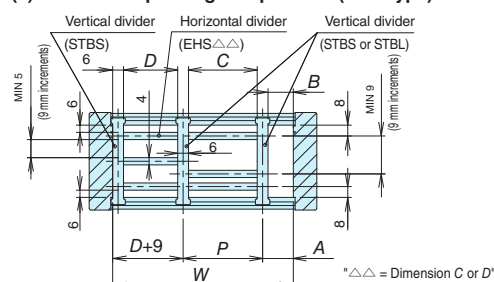
(1) When using only vertical dividers



(2) Fully-stayed multiple height separation (DSA type)



(3) Partial multiple height separation (DSB type)

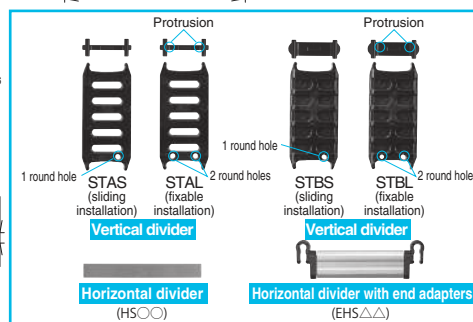
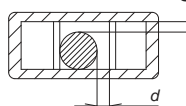


Vertical divider (sliding method)	Inner width W (mm)	A (mm)	B (mm)	P (mm)	C (mm)	D (mm)
STAS (sliding installation)	Common for all widths	3 to 65	1.8 to 63.8	8 to 130	5.6 to 127.6	
STAL (fixable installation)	50	5 to 37	3.8 to 35.8	8 to 40	5.6 to 37.6	
	62	7 to 47	5.0 to 45.8	8 to 48	5.6 to 45.6	4 mm increments
	75	5.5 to 61.5	4.3 to 60.3	8 to 64	5.6 to 61.6	4 mm increments
	87	3.5 to 63.5	2.3 to 62.3	8 to 80	5.6 to 77.6	4 mm increments
	100	6 to 62	4.8 to 60.8	8 to 88	5.6 to 85.6	4 mm increments
	125	6.5 to 62.5	5.3 to 61.3	8 to 112	5.6 to 109.6	4 mm increments
STBS (sliding installation)	150	7 to 63	5.8 to 61.8	8 to 124	5.6 to 121.6	4 mm increments
	200	4 to 64	2.8 to 62.8	8 to 124	5.6 to 121.6	4 mm increments
		min 3	min 0	26 to (W-6)	20 to (W-12)	20 to (W-12)
		min 5	min 2	20 to 36	20 to 36	20 to 36
STBL (fixable installation)	50	min 5	min 2	20 to 36	20 to 36	20 to 36
	62	min 7	min 4	22 to 46	22 to 46	22 to 46
	75	min 5.5	min 2.5	20.5 to 60.5	20.5 to 60.5	20.5 to 60.5
	87	min 3.5	min 0.5	22 to 34	22 to 34	22 to 34
	100	min 6	min 3	22 to 46	22 to 46	22 to 46
	125	min 6.5	min 3.5	22 to 58	22 to 58	22 to 58
	150	min 7	min 4	21 to 85	21 to 85	21 to 85
	200	min 4	min 1	21.5 to 109.5	21.5 to 109.5	21.5 to 109.5
				22 to 112	22 to 112	22 to 112
				22 to 164	22 to 164	22 to 164

Notes:

- A: Distance from center of vertical divider to end face of link
 B: Gap between vertical divider and link
 C: Distance between the centers of neighboring vertical dividers
 D: Gap between neighboring vertical dividers when vertical dividers/dividers for both ends are installed

Note: Make the gap between cables/hoses and the divider or link (d in the figure to right) to whichever of the following two values is larger: 2 mm or greater or the outer diameter of the cable or hose x 0.1.

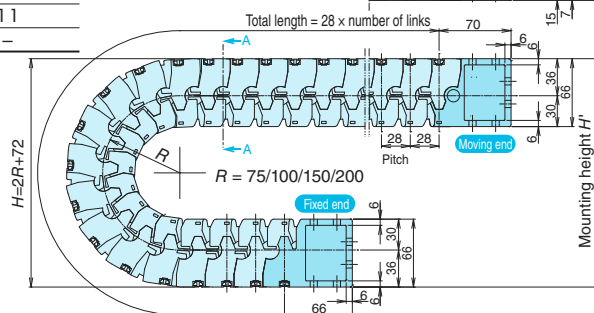
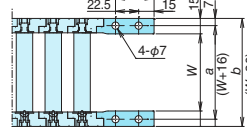
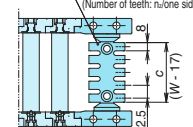
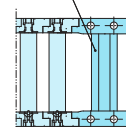


Note: The maximum values for A, B, P, and C are applied when using horizontal dividers.

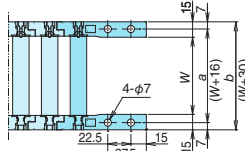
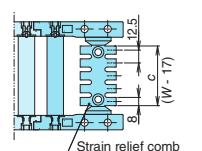
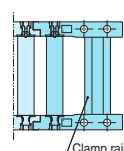
Dimensions & brackets

W (mm)	a (mm)	b (mm)	c (mm)	Strain relief comb n ₂ (toothed)
50	66	80	33	3
62	78	92	-	-
75	91	105	58	5
87	103	117	-	-
100	116	130	83	7
125	141	155	108	9
150	166	180	133	11
200	216	230	-	-

Bending radius R (mm)	Mounting height H' (mm)
75	252 to 272
100	302 to 322
150	402 to 422
200	502 to 522

Moving end bracket **MU**Moving end bracket **MUCL** (with 1 strain relief comb)Moving end bracket **MUCR** (with 1 clamp rail)

- Notes: 1. Strain relief combs and clamp rails can be installed on the inside and outside.
 2. Note that the strain relief comb and clamp rail cannot be added to the MU and FU brackets.
 ★3. Only when W = 50, 75, 100, 125, or 150.

Fixed end bracket **FU**Fixed end bracket **FUCL** (with 1 strain relief comb)Fixed end bracket **FUCR** (with 1 clamp rail)

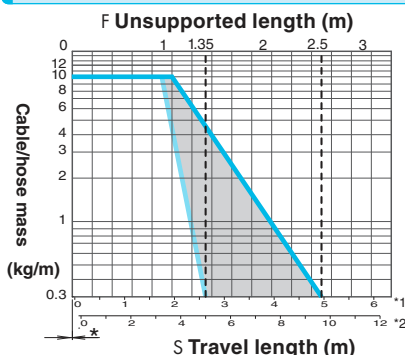
Note: Design and install according to the mounting height H' dimension.

Basic specifications

Maximum travel speed (m/min)				300 *1
Operating temperature range (°C)				-40 to 80
Materials	Link			Engineering plastic (black)
	Bracket			
	Vertical divider			
	Horizontal divider	For DSA type (HS)		Aluminum
		For DSB type (EHS)		Engineering plastic + aluminum (black)
Standard length (No. of links)				100

Notes: ★ 1. 150 m/min for support roller arrangement.
2. Contact a Tsubaki representative regarding maximum acceleration.
3. Cannot be used in acidic or alkaline environments.

Load diagram



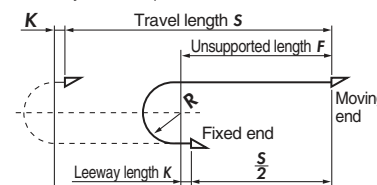
- * Includes leeway length.
- * 1: Without support rollers
- * 2: With support rollers

Note: At the conditions in the shaded area of the load diagram, the unsupported length section may run with a sag. This may cause interference between the cable carrier and equipment depending on the installation conditions. Contact a Tsubaki representative for further information.

Calculating no. of links

$$\text{Number of links} = \frac{\frac{S}{2} + \pi R + 2K}{P}$$

Note: When fixed end is at the center of the travel length. Always round up the value.



- S: Travel length (mm)
- R: Bending radius (mm)
- P: Pitch = 28 mm
- K: Leeway length = 56 mm or greater

* Set the leeway length K to 84 mm or greater for support roller arrangement.
Set the installation distance of support rollers to 900 mm or less.

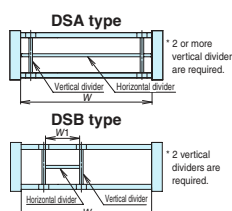
Model number

TKR28H52W	(1)	R	(2)	+	(3)	L	-	(4)	-	(5)
	(1) Inner width		(2) Bending radius		(3) Number of links			(4) Fixed end		(5) Moving end
	50		75					FU		MU
	62		100					FUCL *4		MUCL *4
	75		150					FUCR		MUCR
	87		200							
	100									
	125									
	150									
	200									

- Notes: 1. Dividers, strain relief combs, and clamp rails are delivered uninstalled.
2. Brackets are delivered installed.
3. Required number of vertical dividers: (normally installed every 2 links)
Number of links N for installing vertical dividers = (Total number of links + 1) ÷ 2
N: Integer (round down decimals)
Required number of vertical dividers = N × n
n: Number of vertical dividers installed per spot on the link
★ 4. Those for W = 62, 87, and 200 cannot use the FUCL fixed end and MUCL moving end.

Divider

Method	Type	Model number	Part	Unit
DSA type	Vertical Sliding installation	TKR28H52-STAS	1 vertical divider	K (pcs)
	Fixed installation	TKR28H52-STAL	1 vertical divider	K (pcs)
	Horizontal divider	TKR28H52-HS (Dimension W) W = 50/62/75/87/100/125/150/200	1 horizontal divider	K (pcs)
DSB type	Vertical Sliding installation	TKR28H52-STBS	1 vertical divider	K (pcs)
	Fixed installation	TKR28H52-STBL	1 vertical divider	K (pcs)
	Horizontal divider with end adapters	TKR28H52-EHS△△ △△ = Dimension C or D of divider dimensions	1 horizontal divider 2 end adapters	K (pcs)



Vertical divider

Model number	For cable carrier model number
TKR28H52-STAS	TKR28H52W■■R■■
TKR28H52-STAL	
TKR28H52-STBS	
TKR28H52-STBL	

Horizontal divider with end adapters

Model number
TKR28H52-EHS△△

△△: 20 to less than 188 * Minimum 0.5 mm each

Bracket

Model number	For cable carrier model number
TKR28H52W50-MU	TKR28H52W50R■■
TKR28H52W50-FU	
TKR28H52W62-MU	TKR28H52W62R■■
TKR28H52W62-FU	
TKR28H52W75-MU	TKR28H52W75R■■
TKR28H52W75-FU	
TKR28H52W87-MU	TKR28H52W87R■■
TKR28H52W87-FU	
TKR28H52W100-MU	TKR28H52W100R■■
TKR28H52W100-FU	
TKR28H52W125-MU	TKR28H52W125R■■
TKR28H52W125-FU	
TKR28H52W150-MU	TKR28H52W150R■■
TKR28H52W150-FU	
TKR28H52W200-MU	TKR28H52W200R■■
TKR28H52W200-FU	

Horizontal divider

Model number	For cable carrier model number
TKR28H52-HS50	TKR28H52W50R■■
TKR28H52-HS62	TKR28H52W62R■■
TKR28H52-HS75	TKR28H52W75R■■
TKR28H52-HS87	TKR28H52W87R■■
TKR28H52-HS100	TKR28H52W100R■■
TKR28H52-HS125	TKR28H52W125R■■
TKR28H52-HS150	TKR28H52W150R■■
TKR28H52-HS200	TKR28H52W200R■■

Bracket (with 1 strain relief comb)

Model number	For cable carrier model number
TKR28H52W50-MUCL	TKR28H52W50R■■
TKR28H52W50-FUCL	
TKR28H52W75-MUCL	TKR28H52W75R■■
TKR28H52W75-FUCL	
TKR28H52W100-MUCL	TKR28H52W100R■■
TKR28H52W100-FUCL	
TKR28H52W125-MUCL	TKR28H52W125R■■
TKR28H52W125-FUCL	
TKR28H52W150-MUCL	TKR28H52W150R■■
TKR28H52W150-FUCL	

Strain relief comb (plastic)

Model number	Applicable bracket
TKR28H52W50-CL-U	TKR28H52W50-MU/FU
TKR28H52W75-CL-U	TKR28H52W75-MU/FU
TKR28H52W100-CL-U	TKR28H52W100-MU/FU
TKR28H52W125-CL-U	TKR28H52W125-MU/FU
TKR28H52W150-CL-U	TKR28H52W150-MU/FU

Note: None for W62, 87, and 200.

Clamp rail (steel)

Model number	Applicable bracket
TKR28H52W50-CRA	TKR28H52W50-MU/FU
TKR28H52W62-CRA	TKR28H52W62-MU/FU
TKR28H52W75-CRA	TKR28H52W75-MU/FU
TKR28H52W87-CRA	TKR28H52W87-MU/FU
TKR28H52W100-CRA	TKR28H52W100-MU/FU
TKR28H52W125-CRA	TKR28H52W125-MU/FU
TKR28H52W150-CRA	TKR28H52W150-MU/FU
TKR28H52W200-CRA	TKR28H52W200-MU/FU

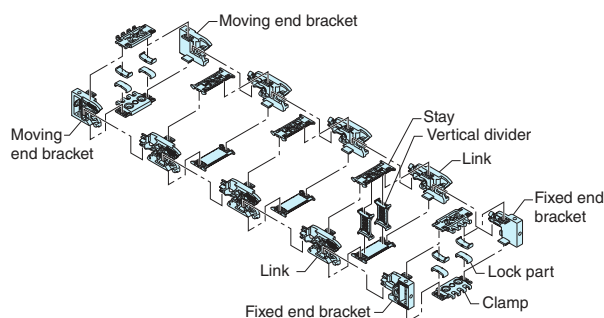
Bracket (with 1 clamp rail)

Model number	For cable carrier model number
TKR28H52W50-MUCR	TKR28H52W50R■■
TKR28H52W50-FUCR	
TKR28H52W62-MUCR	TKR28H52W62R■■
TKR28H52W62-FUCR	
TKR28H52W75-MUCR	TKR28H52W75R■■
TKR28H52W75-FUCR	
TKR28H52W87-MUCR	TKR28H52W87R■■
TKR28H52W87-FUCR	
TKR28H52W100-MUCR	TKR28H52W100R■■
TKR28H52W100-FUCR	
TKR28H52W125-MUCR	TKR28H52W125R■■
TKR28H52W125-FUCR	
TKR28H52W150-MUCR	TKR28H52W150R■■
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TKR28H52W200-MUCR	TKR28H52W200R■■
TKR28H52W200-FUCR	

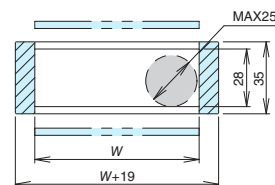
See page 15 for ordering information

See page 147 for product mass

Structure



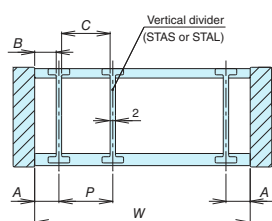
Cross-section dimensions


$$W = 40, 50, 60, 70, 80$$

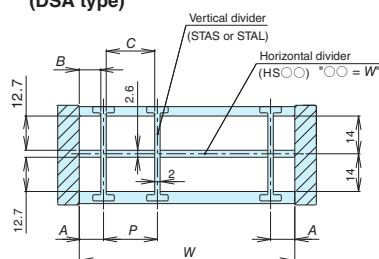
A-A arrow view

Divider dimensions

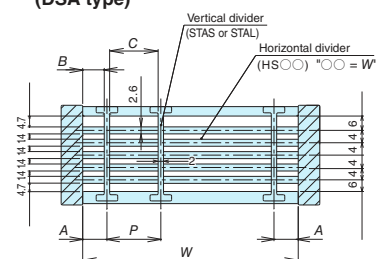
(1) When using only vertical dividers



(2) Fully-stayed 2-layers height separation (DSA type)



(3) Fully-stayed multiple height separation (DSA type)

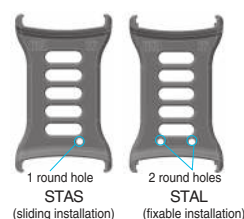
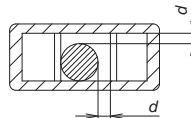


Vertical divider (fastening method)	Inner width W (mm)	A (mm)	B (mm)	P (mm)	C (mm)
STAS (sliding installation)	Common for all widths	7.5 to 21	6.5 to 20	8 to 65	6 to 63
STAL (fixable installation)	40	8 to 20	7 to 19	8 to 24	6 to 22
	50	9 to 21	8 to 20	8 to 32	6 to 30
	60	8 to 20	7 to 19	8 to 44	6 to 42
	70	9 to 21	8 to 20	8 to 52	6 to 50
	80	8 to 20	7 to 19	8 to 64	6 to 62

Notes:

A: Distance from center of vertical divider to end face of link
B: Gap between vertical divider and link
P: Distance between the centers of neighboring vertical dividers
C: Gap between neighboring vertical dividers

Note: Make the gap between cables/hoses and the divider or link (d in the figure below) to whichever of the following two values is larger: 2 mm or greater or the outer diameter of the cable or hose $\times 0.1$.



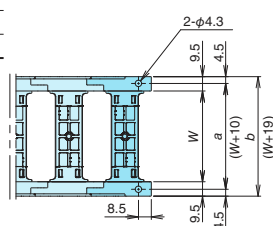
Vertical divider

Dimensions & brackets

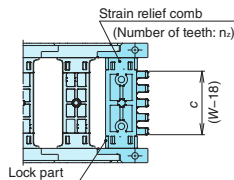
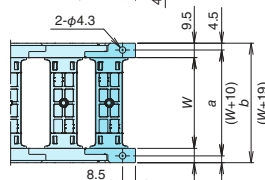
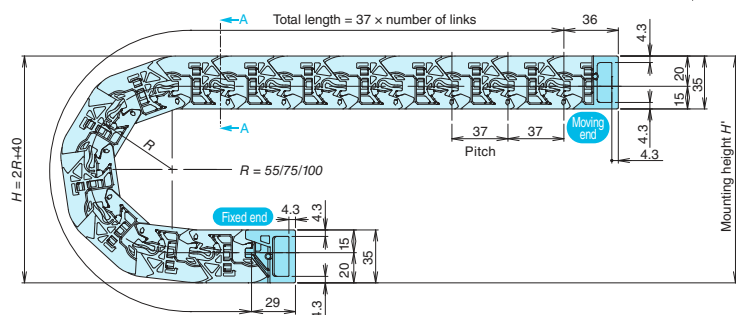
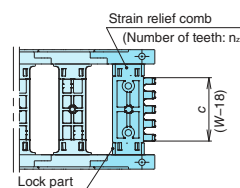
W (mm)	a (mm)	b (mm)	c (mm)	Strain relief comb n _z (toothed)
40	50	59	22	3
50	60	69	32	4
60	70	79	42	5
70	80	89	52	6
80	90	99	62	7

Bending radius R (mm)	Mounting height H' (mm)
55	180 to 200
75	220 to 240
100	270 to 290

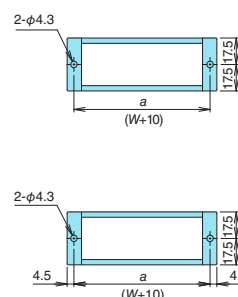
Moving end bracket MU

Moving end bracket **MUCLO / MUCLI / MUCLB**

- MUCLO: Strain relief comb outside mounting
- MUCLI: Strain relief comb inside mounting
- MUCLB: Strain relief comb inside/outside mounting



Note: Design and install according to the mounting height H' dimension.



- FUCLO: Strain relief comb outside mounting
- FUCLI: Strain relief comb inside mounting
- FUCLB: Strain relief comb inside/outside mounting

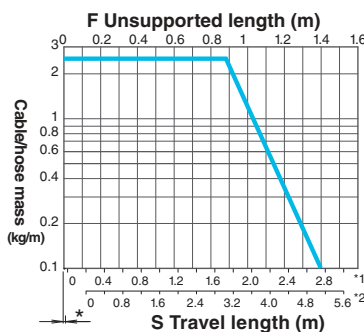
Basic specifications

Maximum travel speed (m/min)		300 * ¹
Operating temperature range (°C)		-40 to 80
Materials	Link	Engineering plastic (black)
	Bracket	
	Vertical divider	
	Horizontal divider	Engineering plastic (white)
	Clamp	Engineering plastic (black)
Standard length (No. of links)		50

Notes: ★ 1. 150 m/min for support roller arrangement.

- Contact a Tsubaki representative regarding maximum acceleration.
- Cannot be used in acidic or alkaline environments.

Load diagram

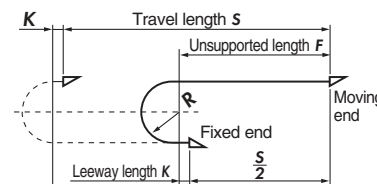


* Includes leeway length.
* 1: Without support rollers
* 2: With support rollers

Calculating no. of links

$$\text{Number of links} = \frac{\frac{S}{2} + \pi R + 2K}{P}$$

Note: When fixed end is at the center of the travel length. Always round up the value.



S: Travel length (mm)
R: Bending radius (mm)
P: Pitch = 37 mm
K: Leeway length = 74 mm or greater

* Set the leeway length K to 111 mm or greater for support roller arrangement.
Set the installation distance of support rollers to 700 mm or less.

Model number

TKR37H28W (1) R (2) + (3) L - (4) - (5)				
(1) Inner width	(2) Bending radius	(3) Number of links	(4) Fixed end	(5) Moving end
40	55		FU	MU
50	75		FUCLO	MUCLO
60	100		FUCLI	MUCLI
70			FUCLB	MUCLB
80				

Notes: 1. Dividers are delivered uninstalled.

2. Brackets are delivered installed.

3. Install dividers every 2 links.

4. Required number of vertical dividers: (normally installed every 2 links)

Number of links N for installing vertical dividers = Total number of links ÷ 2 N: Integer (round down decimals)

Required number of vertical dividers = N × n n: Number of vertical dividers installed per spot on the link

Vertical divider

Model number	For cable carrier model number
TKR37H28-STAS	TKR37H28W●●R●●
TKR37H28-STAL	

Horizontal divider

Model number	For cable carrier model number
TKR37H28-HS40	TKR37H28W40R●●
TKR37H28-HS50	TKR37H28W50R●●
TKR37H28-HS60	TKR37H28W60R●●
TKR37H28-HS70	TKR37H28W70R●●
TKR37H28-HS80	TKR37H28W80R●●

Strain relief comb

Model number	Applicable bracket
TKR37H28W40-CL-U	TKR37H28W40-MU/FU
TKR37H28W50-CL-U	TKR37H28W50-MU/FU
TKR37H28W60-CL-U	TKR37H28W60-MU/FU
TKR37H28W70-CL-U	TKR37H28W70-MU/FU
TKR37H28W80-CL-U	TKR37H28W80-MU/FU

Bracket

Model number	For cable carrier model number
TKR37H28W40-MU	TKR37H28W40R●●
TKR37H28W40-FU	
TKR37H28W50-MU	TKR37H28W50R●●
TKR37H28W50-FU	
TKR37H28W60-MU	TKR37H28W60R●●
TKR37H28W60-FU	
TKR37H28W70-MU	TKR37H28W70R●●
TKR37H28W70-FU	
TKR37H28W80-MU	TKR37H28W80R●●
TKR37H28W80-FU	

Bracket (with 1 strain relief comb)

Model number	For cable carrier model number
TKR37H28W40-MUCLO	TKR37H28W40R●●
TKR37H28W40-FUCLO	
TKR37H28W40-MUCLI	
TKR37H28W40-FUCLI	TKR37H28W50R●●
TKR37H28W50-MUCLO	
TKR37H28W50-FUCLO	
TKR37H28W50-MUCLI	TKR37H28W60R●●
TKR37H28W50-FUCLI	
TKR37H28W60-MUCLO	
TKR37H28W60-FUCLO	TKR37H28W60R●●
TKR37H28W60-MUCLI	
TKR37H28W60-FUCLI	
TKR37H28W70-MUCLO	TKR37H28W70R●●
TKR37H28W70-FUCLO	
TKR37H28W70-MUCLI	
TKR37H28W70-FUCLI	TKR37H28W80R●●
TKR37H28W80-MUCLO	
TKR37H28W80-FUCLO	
TKR37H28W80-MUCLI	TKR37H28W80R●●
TKR37H28W80-FUCLI	

Bracket (with 2 strain relief combs)

Model number	For cable carrier model number
TKR37H28W40-MUCLB	TKR37H28W40R●●
TKR37H28W40-FUCLB	
TKR37H28W50-MUCLB	TKR37H28W50R●●
TKR37H28W50-FUCLB	
TKR37H28W60-MUCLB	TKR37H28W60R●●
TKR37H28W60-FUCLB	
TKR37H28W70-MUCLB	TKR37H28W70R●●
TKR37H28W70-FUCLB	
TKR37H28W80-MUCLB	TKR37H28W80R●●
TKR37H28W80-FUCLB	

See page 15 for ordering information

See page 148 for product mass



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