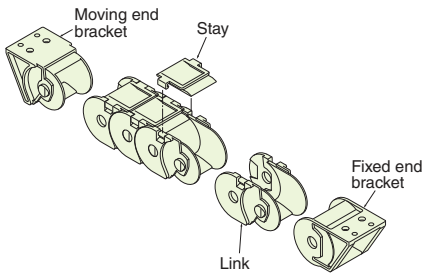
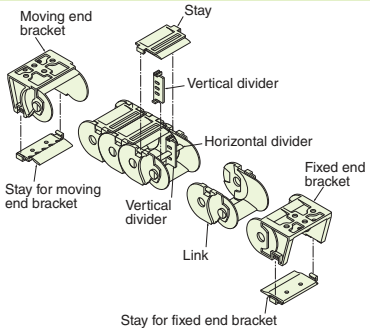
TKC28H30 (Patented)

Structure

W28

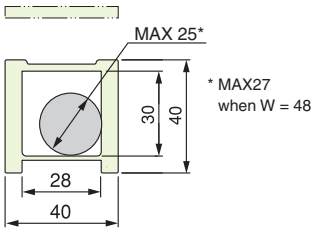


W48



Cross section/divider dimensions

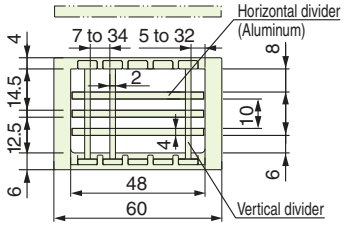
W28



Note: Vertical dividers and horizontal dividers cannot be installed to the W28.

A–A arrow view

W48

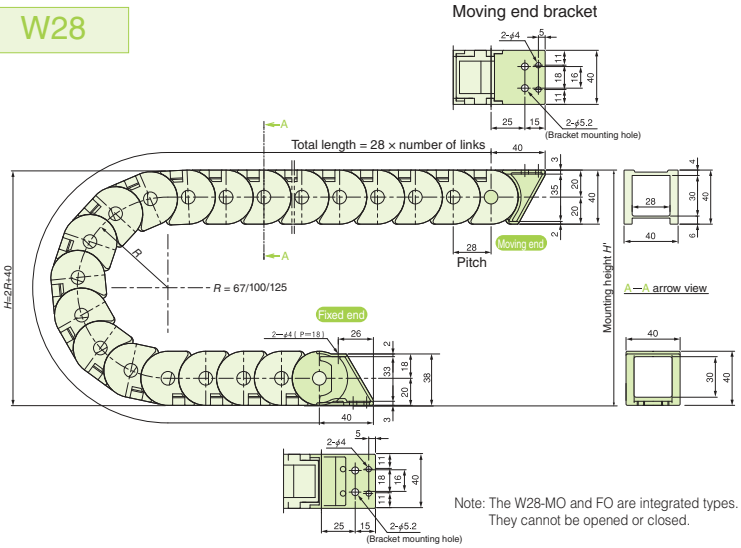


Note: Vertical dividers can be installed at a pitch of 9 mm. They do not slide.

Vertical divider

Dimensions & brackets

W28



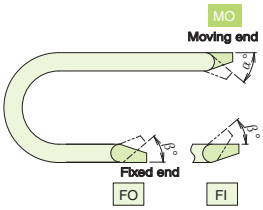
Note: The W28-MO and FO are integrated types. They cannot be opened or closed.

Fixed end bracket

Bending radius R (mm)	Mounting height H' (mm)
67	184 to 204
100	250 to 270
125	300 to 320

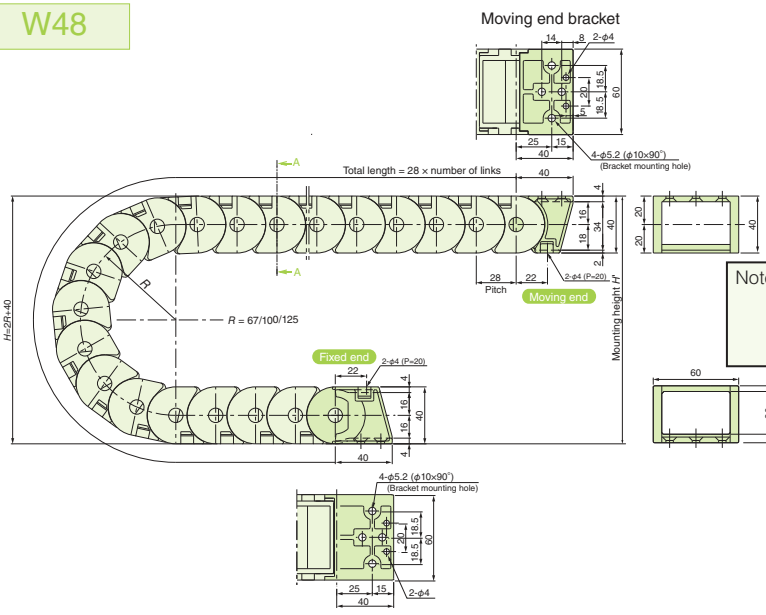
Note: FO and FI brackets are common parts.

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



Bending radius R (mm)	Bending angle (°)	
	Moving end side (α)	Fixed end side (β)
67	24	24
100		16
125		12

W48

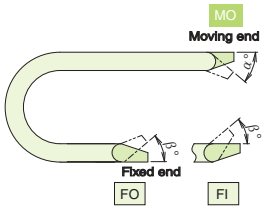


Fixed end bracket

Bending radius R (mm)	Mounting height H' (mm)
67	184 to 204
100	250 to 270
125	300 to 320

Note: FO and FI brackets are common parts.

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



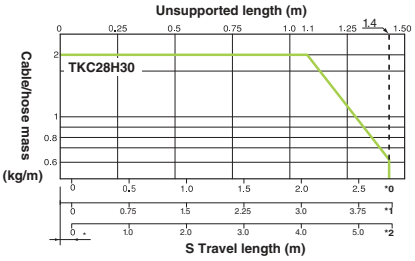
Bending radius R (mm)	Bending angle (°)	
	Moving end side (α)	Fixed end side (β)
67	24	24
100		16
125		12

Basic specifications

Maximum travel speed (m/min)		300 ★1
Operating temperature range (°C)		−40 to 80
Materials	Link	Engineering plastic (black)
	Bracket	
	Vertical divider	Engineering plastic (black)
	Horizontal divider	Aluminum
Standard length (No. of links)		30

Notes: ★1. 150 m/min for support roller arrangement.
2. Cannot be used in acidic or alkaline environments.

Load diagram

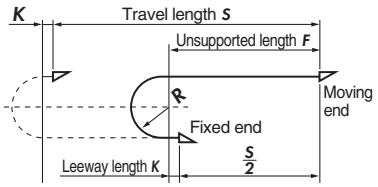


* Includes leeway length.
* 0: Without support rollers
* 1: With support roller in 1 location
* 2: With support rollers in 2 locations

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 after calculating.



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

Model number

TKC28H30 - (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	28	67		FO	MO
		48	100		FI	
			125			

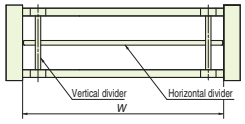
Notes: 1. Install dividers every 2 links.
(Dividers cannot be installed to the W28.)
2. Stays, brackets, and dividers for the plastic links are delivered uninstalled.

■ Divider

Type	Model number	Part	Unit
(1) Vertical divider	TKC28H30-ST	1 vertical divider	K (pcs)
(2) Horizontal divider (For DSA type)	TKC28H30-HS (Dimension W) W = 48	1 horizontal divider	K (pcs)

Note: Vertical dividers and horizontal dividers cannot be installed to the W28.

DSA type



■ Vertical divider

Model number	For cable carrier model number
TKC28H30-ST	TKC28H30-30W48R■■

■ Horizontal divider

Model number	For cable carrier model number
TKC28H30-HS48	TKC28H30-30W48R■■

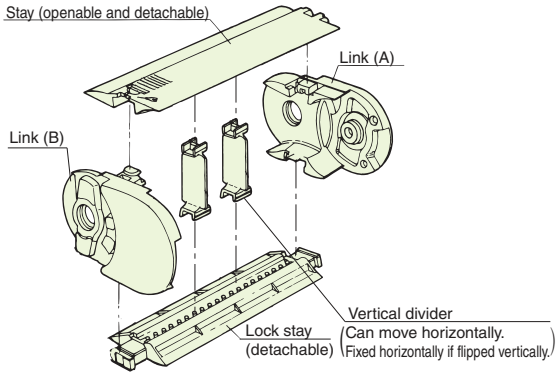
■ Bracket

Model number	For cable carrier model number
TKC28H30W28-MO	TKC28H30-30W28R■■
TKC28H30W28-FO	
TKC28H30W28-FI	
TKC28H30W48-MO	TKC28H30-30W48R■■
TKC28H30W48-FO	
TKC28H30W48-FI	

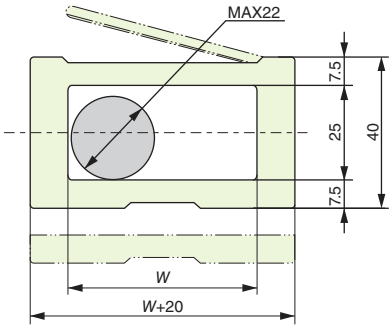
See page 15 for ordering information
See page 149 for product mass

TKC34H25

Structure



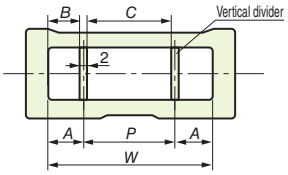
Cross-section dimensions



W = 50, 90, 130

A–A arrow view

Divider dimensions



Note: Can slide between *P* {10 to (*W*–40)}.
The fastening pitch of fixable dividers is 5 mm increments.
However, the pitch of neighboring dividers is 10 mm or greater.

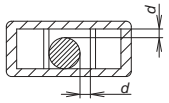
Vertical divider (fastening method)

Vertical divider on lock stay:
◆Locks when installed to fixable side.
◆Slides when installed to sliding side.

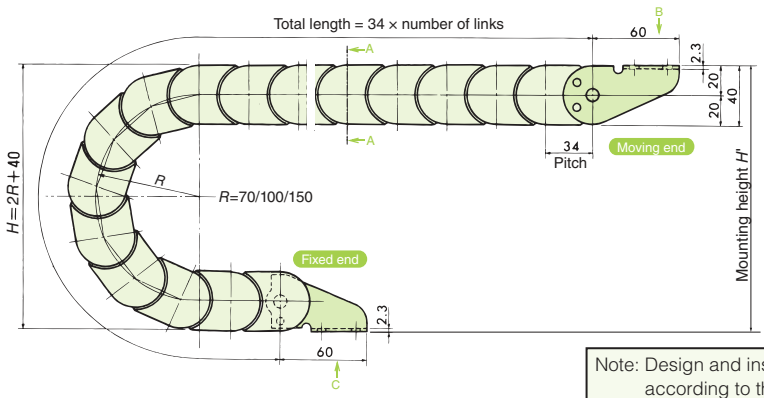
Vertical divider (fastening method)	Inner width *W* (mm)	*A* (mm)		*B* (mm)		*P* (mm)		*C* (mm)	
ST (sliding installation)	Common for all width	min 20		min 19		10 to (*W*–40)		8 to (*W*–40)	
ST (fixable installation)	50	20 to 30	5 mm increments	19 to 29	5 mm increments	10	5 mm increments	8	5 mm increments
	90	20 to 70		19 to 69		10 to 50		8 to 48	
	130	20 to 110		19 to 129		10 to 90		8 to 88	

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.

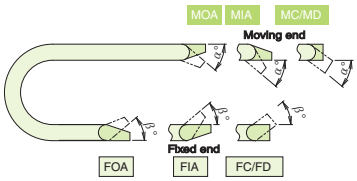


Dimension drawings



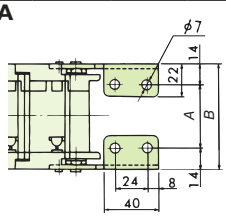
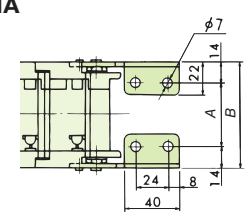
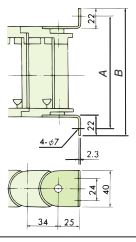
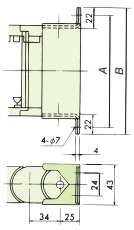
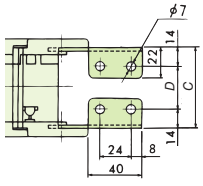
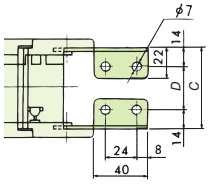
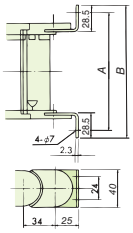
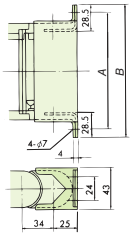
Note: Design and install according to the mounting height *H'* dimension.

Bending radius *R* (mm)	Mounting height *H'* (mm)
70	190 to 210
100	250 to 270
150	350 to 370



Bending radius *R* (mm)	Bending angle (°)	
	Moving end side (α)	Fixed end side (β)
70	29	29
100	20	
150	14	

Steel bracket variants and dimensions

	Outside mounting	Inside mounting	Flange mounting	Flange mounting with cover
Moving end bracket B arrow view	**MOA**  Note: Parts differ for MIA.	**MIA**  Note: Parts differ for MOA.	**MC** 	**MD** 
Fixed end bracket C arrow view	**FOA**  Note: FIA are common parts.	**FIA**  Note: FOA are common parts.	**FC** 	**FD** 

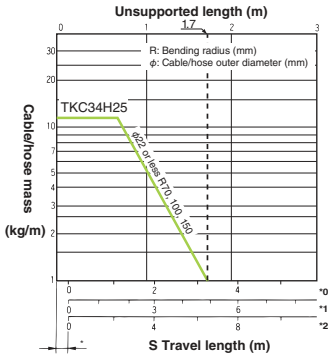
Inner width *W* (mm)	*A* (mm)	*B* (mm)	*C* (mm)	*D* (mm)	*A* (mm)	*B* (mm)	*C* (mm)	*D* (mm)	*A* (mm)	*B* (mm)	*A* (mm)	*B* (mm)
50	42	70	58	30	42	70	58	30	94	110	94	110
90	82	110	98	70	82	110	98	70	134	150	134	150
130	122	150	138	110	122	150	138	110	174	190	174	190

Basic specifications

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

Notes: ★1. 150 m/min for support roller arrangement.
2. Cannot be used in acidic or alkaline environments.

Load diagram



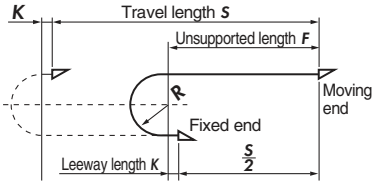
* Includes leeway length.
***0: Without support rollers**
***1: With support roller in 1 location**
***2: With support rollers in 2 locations**

Note: Use the gliding arrangement (page 127 to 130) if the maximum travel length is exceeded when two support rollers are installed.

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 after calculating.



S: Travel length (mm)
R: Bending radius (mm)
P: Pitch = 34 mm
K: Leeway length = 34 mm or greater

Model number

TKC34H25W (1) R (2) + (3) L - (4) - (5)

(1) Inner width	(2) Bending radius	(3) Number of links	(4) Fixed end	(5) Moving end
50	70		FOA	MOA
90	100		FIA	MIA
130	150		FC	MC
			FD	MD

Notes: 1. Vertical dividers are common parts regardless of the inner width. Install dividers every 2 links. Dividers are delivered uninstalled.
2. Refer to page 132 for model number for the gliding arrangement.
3. When ordering a circular travel arrangement, the made-to-order content will depend on the operating conditions. Contact a Tsubaki representative for further details.
4. Fixed end brackets are delivered uninstalled. Moving end brackets are delivered installed.
5. Covers for MD and FD brackets are delivered uninstalled.

■ Vertical divider

Model number	For cable carrier model number
TKC34H25-ST	TKC34H25W■■R■■

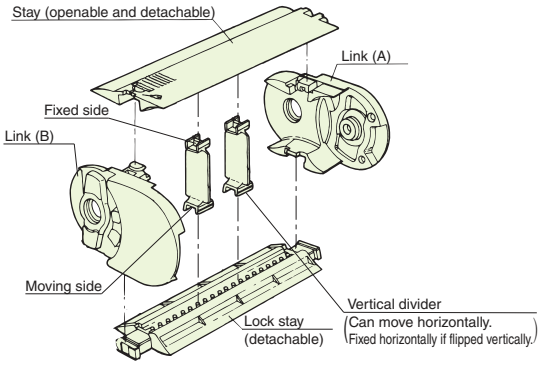
■ Steel bracket

Model number	For cable carrier model number
TKC34H25-MOA	TKC34H25W■■R■■
TKC34H25-MIA	
TKC34H25-MC	
TKC34H25-FOA	TKC34H25W■■R■■
TKC34H25-FIA	
TKC34H25-FC	
TKC34H25W50-MD	TKC34H25W50R■■
TKC34H25W50-FD	
TKC34H25W90-MD	TKC34H25W90R■■
TKC34H25W90-FD	
TKC34H25W130-MD	TKC34H25W130R■■
TKC34H25W130-FD	

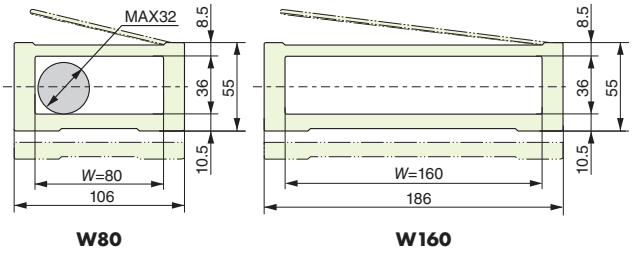
See page 15 for ordering information
See page 149 for product mass

TKC47H36

Structure

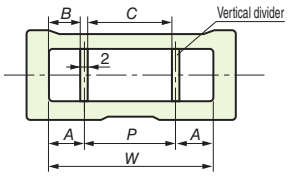


Cross-section dimensions



A–A arrow view

Divider dimensions



Note: Can slide between P {10 to (W–45)}.
The fastening pitch of fixable dividers is 5 mm increments.
However, the pitch of neighboring dividers is 10 mm or greater.

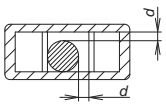
Vertical divider (fastening method)

Vertical divider on lock stay:
- Locks when installed to fixable side.
- Slides when installed to sliding side.

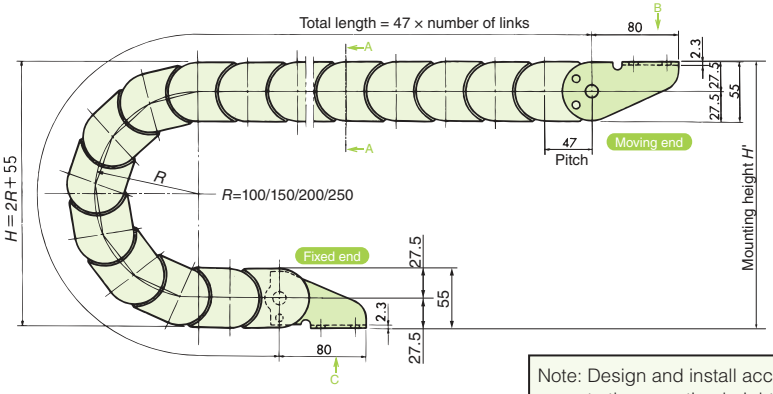
Vertical divider (fastening method)	Inner width W (mm)	A (mm)	B (mm)	P (mm)	C (mm)
ST (sliding installation)	Common for all width	min22.5	min21.5	10 to (W–45)	8 to (W–47)
ST (fixable installation)	80	22.5 to 57.5 (5 mm increments)	21.5 to 56.5 (5 mm increments)	10 to 35 (5 mm increments)	8 to 33 (5 mm increments)
	160	22.5 to 137.5 (5 mm increments)	21.5 to 136.5 (5 mm increments)	10 to 115 (5 mm increments)	8 to 113 (5 mm increments)

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.

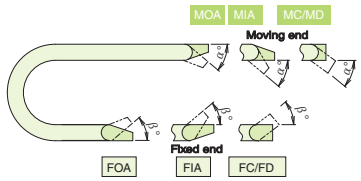


Dimension drawings



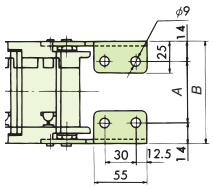
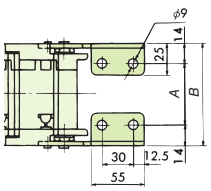
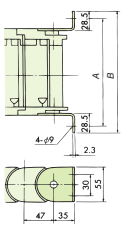
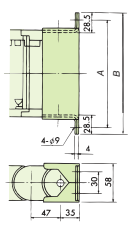
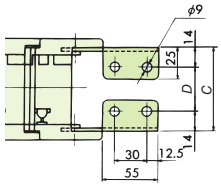
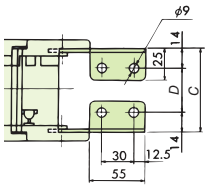
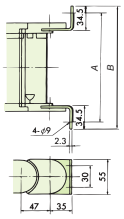
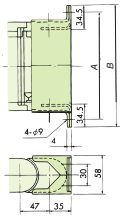
Note: Design and install according to the mounting height H' dimension.

Bending radius R (mm)	Mounting height H' (mm)
100	265 to 285
150	365 to 385
200	465 to 485
250	565 to 585



Bending radius R (mm)	Bending angle (°)	
	Moving end side (α)	Fixed end side (β)
100	28	28
150	19	
200	14	
250	11	

Steel bracket variants and dimensions

	Outside mounting	Inside mounting	Flange mounting	Flange mounting with cover
Moving end bracket B arrow view	**MOA**  Note: Parts differ for MIA.	**MIA**  Note: Parts differ for MOA.	**MC** 	**MD** 
Fixed end bracket C arrow view	**FOA**  Note: FIA are common parts.	**FIA**  Note: FOA are common parts.	**FC** 	**FD** 

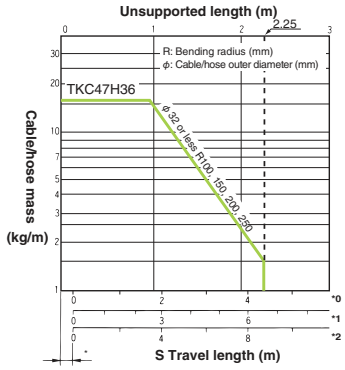
Inner width W (mm)	A (mm)	B (mm)	C (mm)	D (mm)	A (mm)	B (mm)	C (mm)	D (mm)	A (mm)	B (mm)	A (mm)	B (mm)
80	76	104	91	63	76	104	91	63	134	156	134	156
160	156	184	171	143	156	184	171	143	214	236	214	236

Basic specifications

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

Notes: ★1. 150 m/min for support roller arrangement.
2. Cannot be used in acidic or alkaline environments.

Load diagram



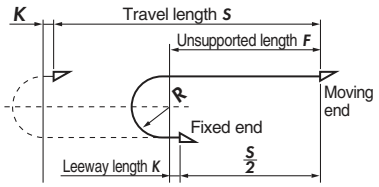
* Includes leeway length.
***0: Without support rollers**
***1: With support roller in 1 location**
***2: With support rollers in 2 locations**

Note: Use the gliding arrangement (page 127 to 130) if the maximum travel length is exceeded when two support rollers are installed.

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 after calculating.



S: Travel length (mm)
R: Bending radius (mm)
P: Pitch = 47 mm
K: Leeway length = 47 mm or greater

Model number

TKC47H36W (1) R (2) + (3) L - (4) - (5)

(1) Inner width	(2) Bending radius	(3) Number of links	(4) Fixed end	(5) Moving end
80	100		FOA	MOA
160	150		FIA	MIA
	200		FC	MC
	250		FD	MD

Notes: 1. Vertical dividers are common parts regardless of the inner width. Install dividers every 2 links. Dividers are delivered uninstalled.
2. Refer to page 132 for model number for the gliding arrangement.
3. When ordering a circular travel arrangement, the made-to-order content will depend on the operating conditions. Contact a Tsubaki representative for further details.
4. Brackets are delivered installed. However, FC and FD fixed end brackets are delivered uninstalled.
5. Covers for MD and FD brackets are delivered uninstalled.

■ Vertical divider

Model number	For cable carrier model number
TKC47H36-ST	TKC47H36W■■R■■

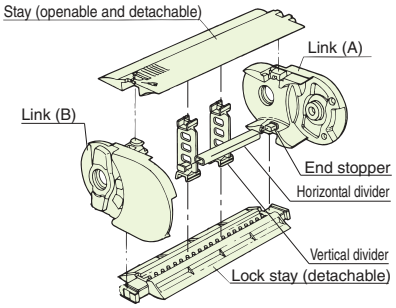
■ Steel bracket

Model number	For cable carrier model number
TKC47H36-MOA	TKC47H36W■■R■■
TKC47H36-MIA	
TKC47H36-MC	
TKC47H36-FOA	TKC47H36W■■R■■
TKC47H36-FIA	
TKC47H36-FC	
TKC47H36W80-MD	TKC47H36W80R■■
TKC47H36W80-FD	
TKC47H36W160-MD	TKC47H36W160R■■
TKC47H36W160-FD	

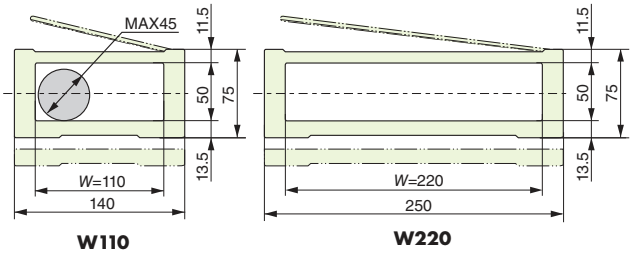
See page 15 for ordering information
See page 149 for product mass

TKC64H50

Structure



Cross-section dimensions



A–A arrow view

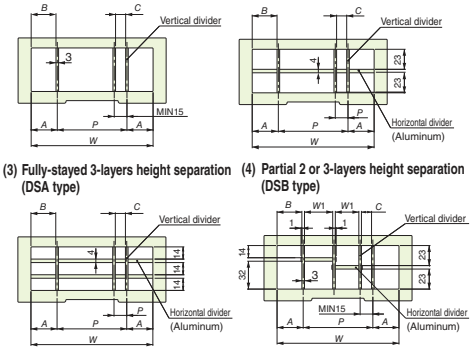
Divider dimensions

(1) When using only vertical dividers
Fastening pitch = 5 when vertical divider is locked

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

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

(4) Partial 2 or 3-layers height separation (DSB type)



Vertical divider (fastening method)

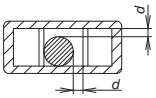
Vertical divider on lock stay:
- Locks when installed to fixable side.
- Slides when installed to sliding side.

Vertical divider (fastening method)	Inner width W (mm)	A (mm)	B (mm)	P (mm)	C (mm)	W1 (mm)
ST (sliding installation)	Common for all width	30 to 40	28.5 to 38.5	15 to (W−60)	12 to (W−63)	12 to 122 (1 mm increments)
ST (fixable installation)	110	30 to 40 (5 mm increments)	28.5 to 38.5 (5 mm increments)	15 to 60 (5 mm increments)	12 to 57 (5 mm increments)	12 to 57 (5 mm increments)
	220	30 to 40 (5 mm increments)	28.5 to 38.5 (5 mm increments)	15 to 125 (5 mm increments)	12 to 122 (5 mm increments)	12 to 122 (5 mm increments)

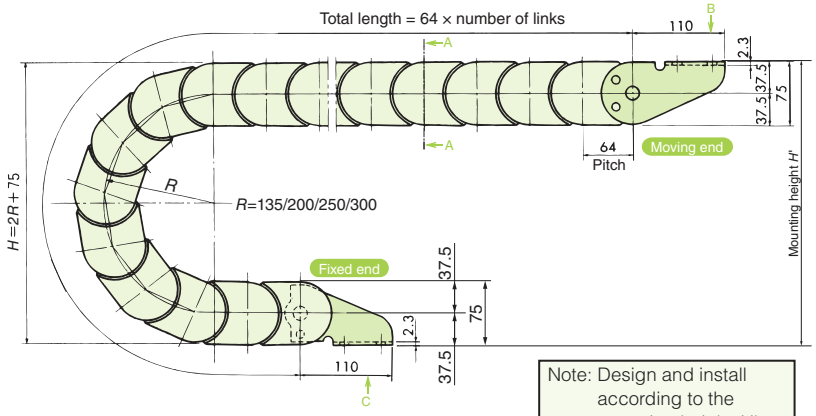
A : Distance from center of vertical divider to end face of link
B : Gap between vertical divider and link
P : Distance between the centers of neighboring vertical dividers
C : Gap between neighboring vertical dividers

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

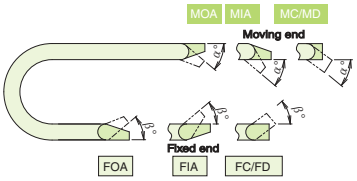


Dimension drawings



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

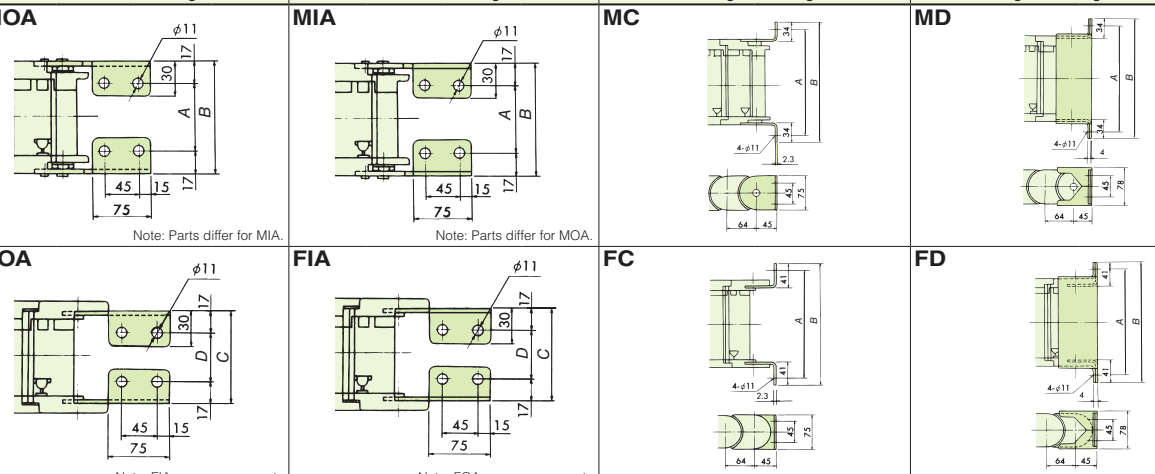
Bending radius R (mm)	Mounting height H' (mm)
135	355 to 375
200	485 to 505
250	585 to 605
300	685 to 705



Bending radius R (mm)	Bending angle (°)	
	Moving end side (α)	Fixed end side (β)
135	29	28
200	20	
250	16	
300	14	

Steel bracket variants and dimensions

	Outside mounting	Inside mounting	Flange mounting	Flange mounting with cover
Moving end bracket B arrow view	MOA	MIA	MC	MD
	Note: Parts differ for MIA.	Note: Parts differ for MOA.		
Fixed end bracket C arrow view	FOA	FIA	FC	FD
	Note: FIA are common parts.	Note: FOA are common parts.		



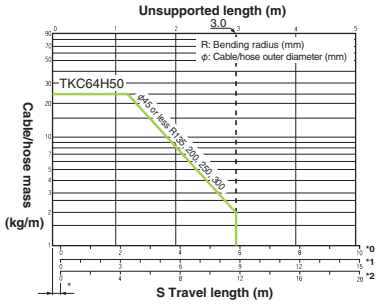
Inner width W (mm)	A (mm)	B (mm)	C (mm)	D (mm)	A (mm)	B (mm)	C (mm)	D (mm)	A (mm)	B (mm)	A (mm)	B (mm)
110	103	137	122	88	103	137	122	88	174	200	174	200
220	213	247	232	198	213	247	232	198	284	310	284	310

Basic specifications

Maximum travel speed (m/min)			300 *1
Operating temperature range (°C)			−40 to 80
Materials	Link		Engineering plastic (black)
	Bracket		Steel (black finish)
	Vertical divider		Engineering plastic (black)
	Horizontal divider	For DSA type (HS)	Aluminum
		For DSB type (EHS)	Engineering plastic (black) + aluminum
Standard length (No. of links)			60

Notes: ★1. 150 m/min for support roller arrangement.
2. Cannot be used in acidic or alkaline environments.

Load diagram



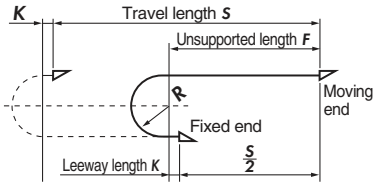
* Includes leeway length.
*** 0: Without support rollers**
*** 1: With support roller in 1 location**
*** 2: With support rollers in 2 locations**

Note: Use the gliding arrangement (page 127 to 130) if the maximum travel length is exceeded when two support rollers are installed.

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 after calculating.



S: Travel length (mm)
R: Bending radius (mm)
P: Pitch = 64 mm
K: Leeway length = 64 mm or greater

Model number

TKC64H50W (1) R (2) + (3) L - (4) - (5)

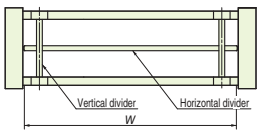
(1) Inner width	(2) Bending radius	(3) Number of links	(4) Fixed end	(5) Moving end
110	135		FOA	MOA
220	200		FIA	MIA
	250		FC	MC
	300		FD	MD

Notes: 1. Vertical dividers are common parts regardless of the inner width. Install dividers every 2 links. Dividers are delivered uninstalled.
2. Refer to page 132 for model number for the gliding arrangement.
3. When ordering a circular travel arrangement, the made-to-order content will depend on the operating conditions. Contact a Tsubaki representative for further details.
4. Brackets are delivered installed. However, FC and FD fixed end brackets are delivered uninstalled.
5. Covers for MD and FD brackets are delivered uninstalled.

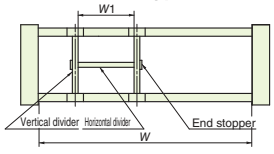
■ Divider

Type	Model number	Part	Unit
(1) Vertical divider	TKC64H50-ST	1 vertical divider	K (pcs)
(2) Horizontal divider (For DSA type)	TKC64H50-HS (Dimension W) W = 110/220	1 horizontal divider	K (pcs)
(3) Horizontal divider with end stoppers (For DSB type)	TKC64H50-EHS (Dimension W1) W1 = 12 to 122: 1 mm increments	1 horizontal divider 2 end stoppers	K (pcs)

DSA type



DSB type



■ Vertical divider

Model number	For cable carrier model number
TKC64H50-ST	TKC64H50W■■R■■

■ Horizontal divider

Model number	For cable carrier model number
TKC64H50-HS110	TKC64H50W110R■■
TKC64H50-HS220	TKC64H50W220R■■

■ Horizontal divider with end stoppers

Model number
TKC64H50-EHS○○

○○: Integer between 12 and 122

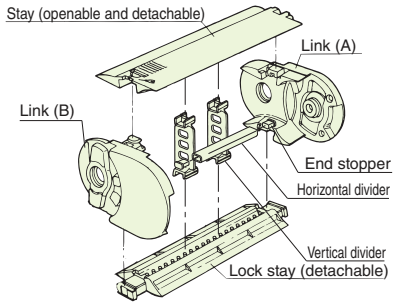
■ Steel bracket

Model number	For cable carrier model number
TKC64H50-MOA	TKC64H50W■■R■■
TKC64H50-MIA	
TKC64H50-MC	
TKC64H50-FOA	TKC64H50W■■R■■
TKC64H50-FIA	
TKC64H50-FC	
TKC64H50W110-MD	TKC64H50W110R■■
TKC64H50W110-FD	
TKC64H50W220-MD	TKC64H50W220R■■
TKC64H50W220-FD	

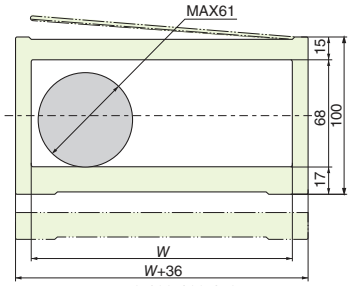
See page 15 for ordering information
See page 149 for product mass

TKC85H68

Structure



Cross-section dimensions

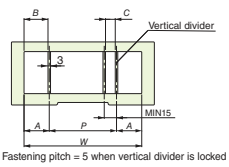


W = 150, 200, 300, 350

A–A arrow view

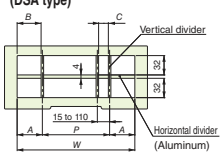
Divider dimensions

(1) When using only vertical dividers

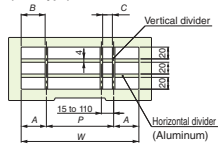


Fastening pitch = 5 when vertical divider is locked

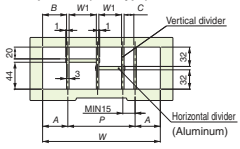
(2) Fully-stayed 2-layers height separation (DSA type)



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



(4) Partial 2 or 3-layers height separation (DSB type)



Vertical divider (fastening method)

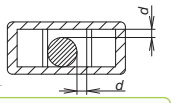
Vertical divider on lock stay:
- Locks when installed to fixable side.
- Slides when installed to sliding side.

Vertical divider (fastening method)	Inner width *W* (mm)	*A* (mm)	*B* (mm)	*P* (mm)	*C* (mm)	*W1* (mm)
ST (sliding installation)	Common for all width	40	38.5	15 to (*W*−80)	12 to (*W*−83)	12 to 107 (1 mm increments)
ST (fixable installation)	150	40	38.5	15 to 70 (5 mm increments)	12 to 67 (5 mm increments)	12 to 67 (5 mm increments)
	200			15 to 110 (5 mm increments)	12 to 107 (5 mm increments)	12 to 107 (5 mm increments)
	300			15 to 110 (5 mm increments)	12 to 107 (5 mm increments)	
	350			15 to 110 (5 mm increments)	12 to 107 (5 mm increments)	

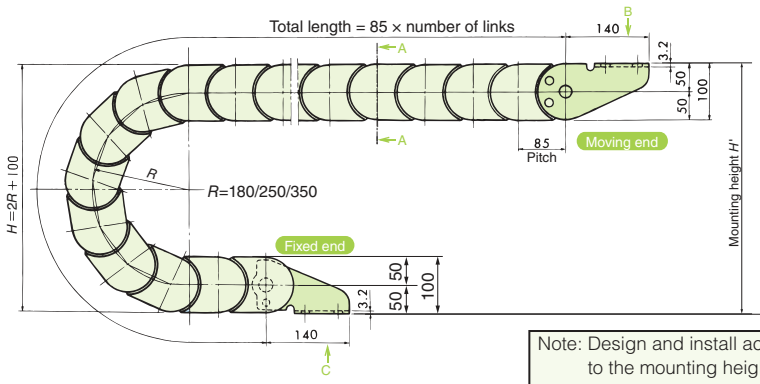
A : Distance from center of vertical divider to end face of link
B : Gap between vertical divider and link
P : Distance between the centers of neighboring vertical dividers
C : Gap between neighboring vertical dividers

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

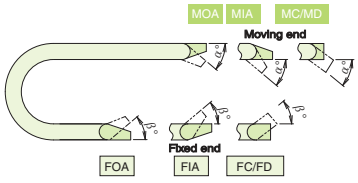


Dimension drawings



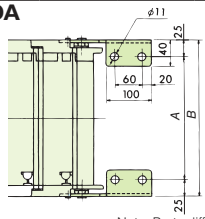
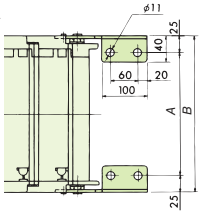
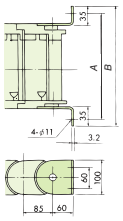
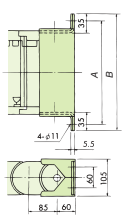
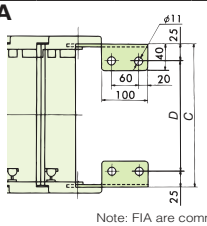
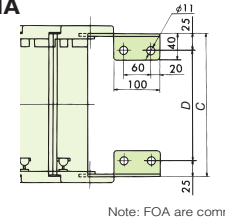
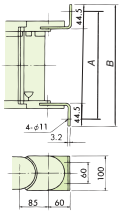
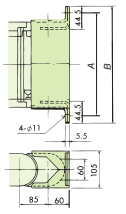
Note: Design and install according to the mounting height *H'* dimension.

Bending radius *R* (mm)	Mounting height *H'* (mm)
180	470 to 490
250	610 to 630
350	810 to 830



Bending radius *R* (mm)	Bending angle (°)	
	Moving end side (α)	Fixed end side (β)
180	28	28
250	20	
350	14	

Steel bracket variants and dimensions

	Outside mounting	Inside mounting	Flange mounting	Flange mounting with cover
Moving end bracket B arrow view	**MOA**  Note: Parts differ for MIA.	**MIA**  Note: Parts differ for MOA.	**MC** 	**MD** 
Fixed end bracket C arrow view	**FOA**  Note: FIA are common parts.	**FIA**  Note: FOA are common parts.	**FC** 	**FD** 

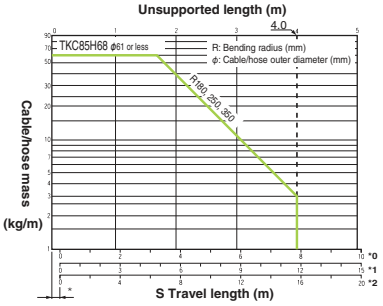
Inner width *W* (mm)	*A* (mm)	*B* (mm)	*C* (mm)	*D* (mm)	*A* (mm)	*B* (mm)	*C* (mm)	*D* (mm)	*A* (mm)	*B* (mm)	*A* (mm)	*B* (mm)
150	134	184	165	115	134	184	165	115	222	248	222	248
200	184	234	215	165	184	234	215	165	272	298	272	298
300	284	334	315	265	284	334	315	265	372	398	372	398
350	334	384	365	315	334	384	365	315	422	448	422	448

Basic specifications

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

Notes: ★1. 150 m/min for support roller arrangement.
2. Cannot be used in acidic or alkaline environments.

Load diagram



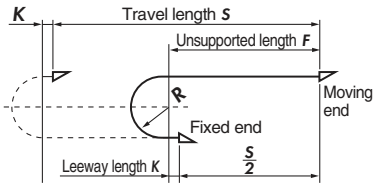
* Includes leeway length.
*** 0: Without support rollers**
*** 1: With support roller in 1 location**
*** 2: With support rollers in 2 locations**

Note: Use the gliding arrangement (page 127 to 130) if the maximum travel length is exceeded when two support rollers are installed.

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 after calculating.



S: Travel length (mm)
R: Bending radius (mm)
P: Pitch = 85 mm
K: Leeway length = 85 mm or greater

Model number

TKC85H68W (1) R (2) + (3) L - (4) - (5)

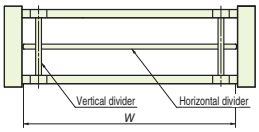
(1) Inner width	(2) Bending radius	(3) Number of links	(4) Fixed end	(5) Moving end
150	180		FOA	MOA
200	250		FIA	MIA
300	350		FC	MC
350			FD	MD

Notes: 1. Vertical dividers are common parts regardless of the inner width. Install dividers every 2 links. Dividers are delivered uninstalled.
2. Refer to page 132 for model number for the gliding arrangement.
3. When ordering a circular travel arrangement, the made-to-order content will depend on the operating conditions. Contact a Tsubaki representative for further details.
4. Brackets are delivered installed. However, FC and FD fixed end brackets are delivered uninstalled.
5. Covers for MD and FD brackets are delivered uninstalled.

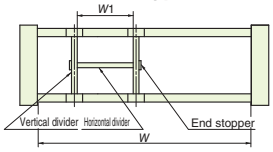
■ Divider

Type	Model number	Part	Unit
(1) Vertical divider	TKC85H68-ST	1 vertical divider	K (pcs)
(2) Horizontal divider (For DSA type)	TKC85H68-HS (Dimension W) W = 150/200	1 horizontal divider	K (pcs)
(3) Horizontal divider with end stoppers (For DSB type)	TKC85H68-EHS (Dimension W1) W1 = 12 to 107: 1 mm increments	1 horizontal divider 2 end stoppers	K (pcs)

DSA type



DSB type



■ Vertical divider

Model number	For cable carrier model number
TKC85H68-ST	TKC85H68W■■R■■

■ Horizontal divider

Model number	For cable carrier model number
TKC85H68-HS150	TKC85H68W150R■■
TKC85H68-HS200	TKC85H68W200R■■

■ Horizontal divider with end stoppers

Model number
TKC85H68-EHS○○

○○: Integer between 12 and 107

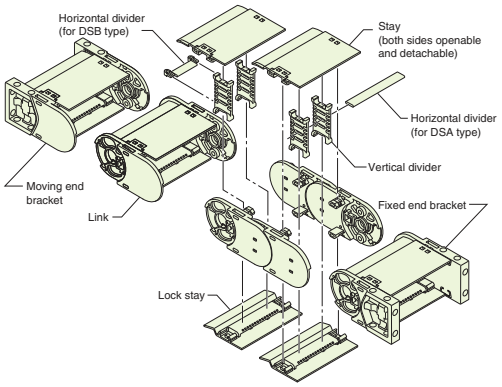
■ Steel bracket

Model number	For cable carrier model number
TKC85H68-MOA	TKC85H68W■■R■■
TKC85H68-MIA	
TKC85H68-MC	
TKC85H68-FOA	TKC85H68W■■R■■
TKC85H68-FIA	
TKC85H68-FC	
TKC85H68W150-MD	TKC85H68W150R■■
TKC85H68W150-FD	
TKC85H68W200-MD	TKC85H68W200R■■
TKC85H68W200-FD	
TKC85H68W300-MD	TKC85H68W300R■■
TKC85H68W300-FD	
TKC85H68W350-MD	TKC85H68W350R■■
TKC85H68W350-FD	

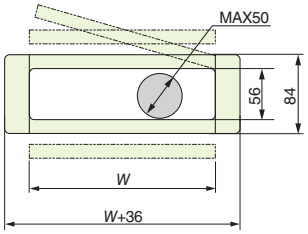
See page 15 for ordering information
See page 149 for product mass

TKC91H56 (Patented)

Structure



Cross-section dimensions

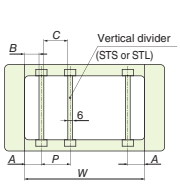


W = 150, 200, 250, 300, 350, 400

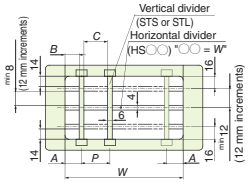
A–A arrow view

Divider dimensions

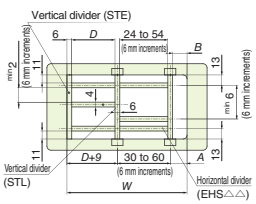
(1) When using only vertical dividers



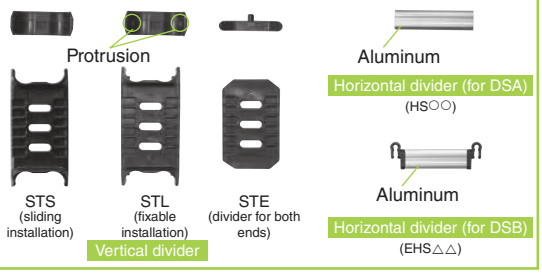
(2) Fully-stayed multiple height separation (DSA type)



(3) Partial multiple height separation (DSB type)



Divider

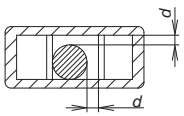


Vertical divider (fastening method)	Inner width W (mm)	A (mm)	B (mm)	P (mm)	C (mm)	D (mm)
STS (sliding installation)	Common for all widths	30 to 40	27 to 37	14 to 100	8 to 94	
STL (fixable installation)	150	33, 39	30, 36	18 to 96 (6 mm increments)	12 to 90 (6 mm increments)	24 to 54 (6 mm increments)
	200	31, 37	28, 34			22 to 52
	250	32, 38	29, 35			23 to 53
	300	30, 36	27, 33			21 to 51
	350	31, 37	28, 34			22 to 52
	400	32, 38	29, 35			23 to 53

Notes:

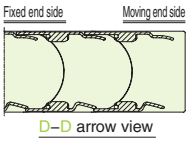
A : Distance from center of vertical divider to end face of link
B : Gap between vertical divider and link
P : Distance between the centers of neighboring vertical dividers
C : Gap between neighboring vertical dividers
D : Gap between neighboring vertical dividers when vertical dividers/dividers for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



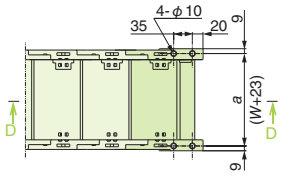
Note: The maximum values for *A*, *B*, *P*, *C*, and *D* are applied when using horizontal dividers.

Dimensions & brackets

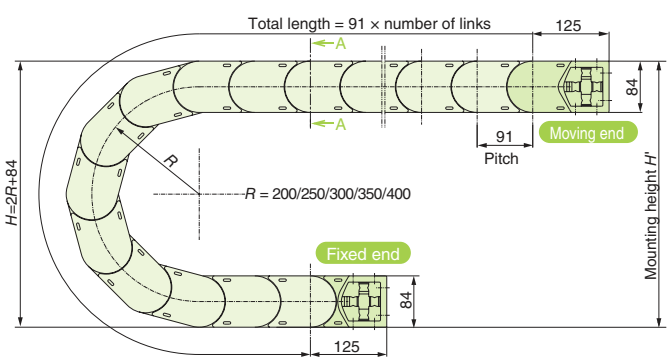


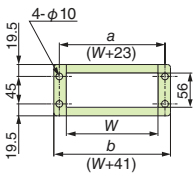
D–D arrow view

Moving end bracket

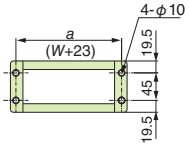


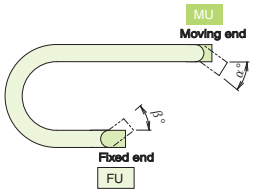
Bending radius R (mm)	Mounting height H' (mm)
200	494 to 514
250	594 to 614
300	694 to 714
350	794 to 814
400	894 to 914

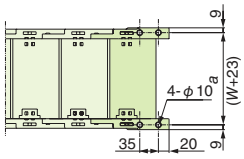




W (mm)	a (mm)	b (mm)
150	173	191
200	223	241
250	273	291
300	323	341
350	373	391
400	423	441







Fixed end bracket

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

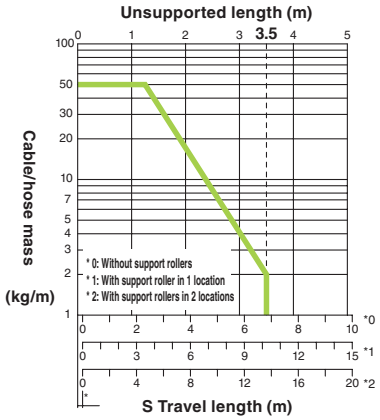
Bending radius R (mm)	Bending angle (°)	
	Moving end side (α)	Fixed end side (β)
200	26	35
250	20	
300	17	
350	15	
400	13	

Basic specifications

Maximum travel speed (m/min)			300 *1
Operating temperature range (°C)			-40 to 80
Materials	Link		Engineering plastic (black)
	Bracket		Engineering plastic (black) + steel bush
	Vertical divider		Engineering plastic (black)
	Horizontal divider	For DSA type (HS)	Aluminum
		For DSB type (EHS)	Engineering plastic (black) + aluminum
Standard length (No. of links)			R350 or less = 20 R400 =10

Notes: ★1. 150 m/min for support roller arrangement.
2. Cannot be used in acidic or alkaline environments.

Load diagram



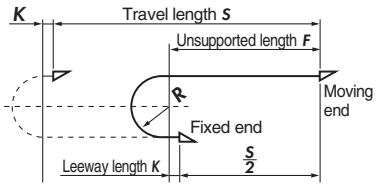
* Includes leeway length.

Note: Use the gliding arrangement (page 127 to 130) if the maximum travel length is exceeded when two support rollers are installed.

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 after calculating.



S: Travel length (mm)
R: Bending radius (mm)
P: Pitch = 91 mm
K: Leeway length = 91 mm or greater

Model number

TKC91H56W (1) R (2) + (3)L - (4) - (5)

(1) Inner width	(2) Bending radius	(3) Number of links	(4) Fixed end	(5) Moving end
150	200		FU	MU
200	250		FUCR	MUCR
250	300			
300	350			
350	400			
400				

Notes: 1. Dividers are delivered uninstalled.
2. Refer to page 132 for model number for the gliding arrangement.

■ Divider

Type	Model number
Vertical divider (sliding installation)	TKC91H56-STS
Vertical divider (fixable installation)	TKC91H56-STL
Vertical divider (for both ends)	TKC91H56-STE
Horizontal divider(for DSA type)	TKC91H56-HS○○○
Horizontal divider (for DSB type)	TKC91H56-EHS△△

○○○ = 150, 200
△△ = Dimension *C* or *D* of divider dimensions.

■ Vertical divider

Model number	For cable carrier model number
TKC91H56-STS	TKC91H56W■■R■■
TKC91H56-STL	
TKC91H56-STE	

■ Horizontal divider

Model number	For cable carrier model number
TKC91H56-HS150	TKC91H56W150R■■
TKC91H56-HS200	TKC91H56W200R■■

■ Bracket

Model number	For cable carrier model number
TKC91H56W150-MU	TKC91H56W150R■■
TKC91H56W150-FU	
TKC91H56W200-MU	TKC91H56W200R■■
TKC91H56W200-FU	
TKC91H56W250-MU	TKC91H56W250R■■
TKC91H56W250-FU	
TKC91H56W300-MU	TKC91H56W300R■■
TKC91H56W300-FU	
TKC91H56W350-MU	TKC91H56W350R■■
TKC91H56W350-FU	
TKC91H56W400-MU	TKC91H56W400R■■
TKC91H56W400-FU	

■ Horizontal divider with end stoppers

Model number	For cable carrier model number
TKC91H56-EHS24	TKC91H56W■■R■■ (Common for each width)
TKC91H56-EHS30	
TKC91H56-EHS36	
TKC91H56-EHS42	
TKC91H56-EHS48	
TKC91H56-EHS54	
TKC91H56-EHS22	TKC91H56W■■R■■ (* For W = 200, 350)
TKC91H56-EHS28	
TKC91H56-EHS34	
TKC91H56-EHS40	
TKC91H56-EHS46	
TKC91H56-EHS52	
TKC91H56-EHS23	TKC91H56W■■R■■ (* For W = 250, 400)
TKC91H56-EHS29	
TKC91H56-EHS35	
TKC91H56-EHS41	
TKC91H56-EHS47	
TKC91H56-EHS53	
TKC91H56-EHS21	TKC91H56W300R■■ (* For W = 300)
TKC91H56-EHS27	
TKC91H56-EHS33	
TKC91H56-EHS39	
TKC91H56-EHS45	
TKC91H56-EHS51	

* When used on vertical divider for both ends (STE).

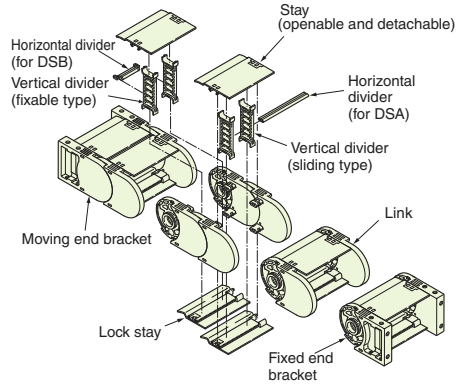
■ Bracket (with clamp rail)

Model number	For cable carrier model number
TKC91H56W150-MUCR	TKC91H56W150R■■
TKC91H56W150-FUCR	
TKC91H56W200-MUCR	TKC91H56W200R■■
TKC91H56W200-FUCR	
TKC91H56W250-MUCR	TKC91H56W250R■■
TKC91H56W250-FUCR	
TKC91H56W300-MUCR	TKC91H56W300R■■
TKC91H56W300-FUCR	
TKC91H56W350-MUCR	TKC91H56W350R■■
TKC91H56W350-FUCR	
TKC91H56W400-MUCR	TKC91H56W400R■■
TKC91H56W400-FUCR	

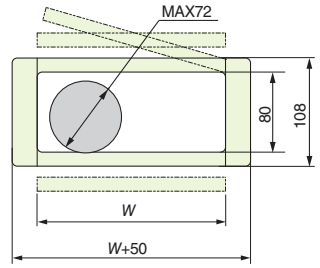
See page 15 for ordering information
See page 149 for product mass

TKC91H80 (Patented)

Structure



Cross-section dimensions

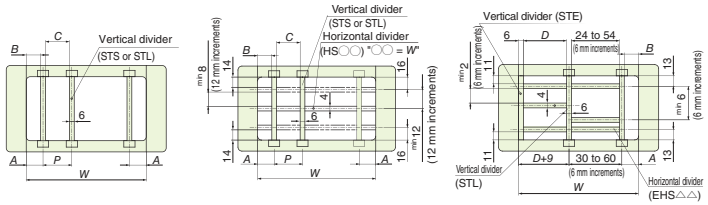


W = 150, 200, 250, 300, 350, 400

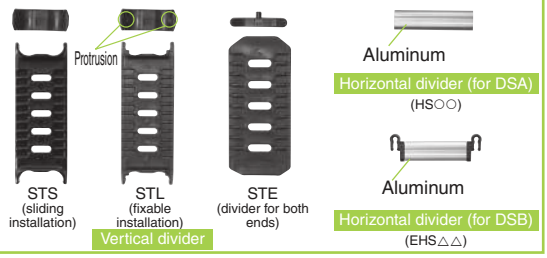
A–A arrow view

Divider dimensions

(1) When using only vertical dividers **(2) Fully-stayed multiple height separation (DSA type)** **(3) Partial multiple height separation (DSB type)**



Divider

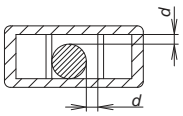


Vertical divider (fastening method)	Inner width W (mm)	A (mm)		B (mm)		P (mm)	C (mm)	D (mm)	
STS (sliding installation)	Common for all widths	30 to 40		27 to 37		14 to 100	8 to 94		
STL (fixable installation)	150	33, 39	6 mm increments	30, 36	6 mm increments	18 to 96 (6 mm increments)	12 to 90 (6 mm increments)	24 to 54	6 mm increments
	200	31, 37		28, 34				22 to 52	
	250	32, 38		29, 35				23 to 53	
	300	30, 36		27, 33				21 to 51	
	350	31, 37		28, 34				22 to 52	
	400	32, 38		29, 35				23 to 53	

Notes:

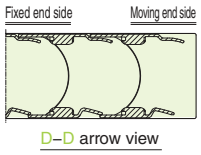
A : Distance from center of vertical divider to end face of link
B : Gap between vertical divider and link
P : Distance between the centers of neighboring vertical dividers
C : Gap between neighboring vertical dividers
D : Gap between neighboring vertical dividers when vertical dividers/dividers for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



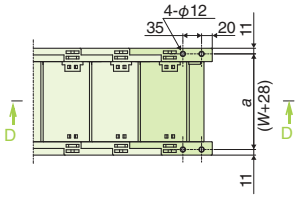
Note: The maximum values for *A*, *B*, *P*, *C*, and *D* are applied when using horizontal dividers.

Dimensions & brackets

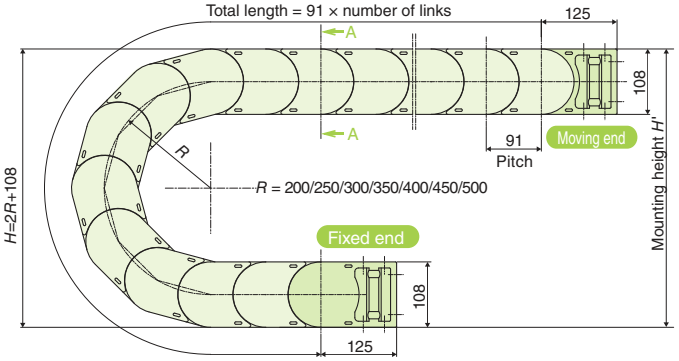


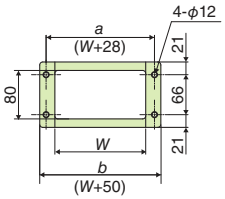
D–D arrow view

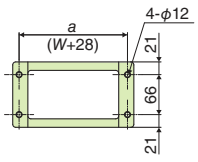
Moving end bracket



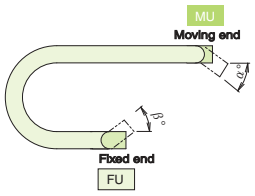
Bending radius R (mm)	Mounting height H′ (mm)
200	518 to 538
250	618 to 638
300	718 to 738
350	818 to 838
400	918 to 938
450	1018 to 1038
500	1118 to 1138

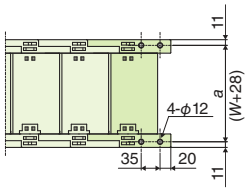






W (mm)	a (mm)	b (mm)
150	178	200
200	228	250
250	278	300
300	328	350
350	378	400
400	428	450





Fixed end bracket

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

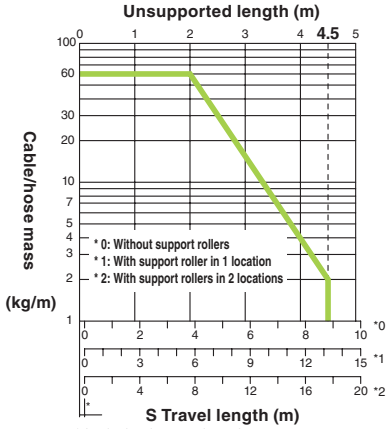
Bending radius R (mm)	Bending angle (°)	
	Moving end side (α)	Fixed end side (β)
200	26	35
250	20	
300	17	
350	15	
400	13	
450	11	
500	10	

Basic specifications

Maximum travel speed (m/min)			300 *1
Operating temperature range (°C)			−40 to 80
Materials	Link		Engineering plastic (black)
	Bracket		Engineering plastic (black) + steel bush
	Vertical divider		Engineering plastic (black)
	Horizontal divider	For DSA type (HS)	Aluminum
		For DSB type (EHS)	Engineering plastic (black) + aluminum
Standard length (No. of links)			R350 or less = 20 R400 to R500 = 10

Notes: ★1. 150 m/min for support roller arrangement.
2. Cannot be used in acidic or alkaline environments.

Load diagram



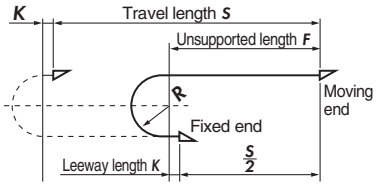
* Includes leeway length.

Note: Use the gliding arrangement (page 127 to 130) if the maximum travel length is exceeded when two support rollers are installed.

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 after calculating.



S: Travel length (mm)
R: Bending radius (mm)
P: Pitch = 91 mm
K: Leeway length = 91 mm or greater

Model number

TKC91H80W (1) R (2) + (3)L - (4) - (5)

(1) Inner width	(2) Bending radius	(3) Number of links	(4) Fixed end	(5) Moving end
150	200		FU	MU
200	250		FUCR	MUCR
250	300			
300	350			
350	400			
400	450			
	500			

Notes: 1. Dividers are delivered uninstalled.
2. Refer to page 132 for model number for the gliding arrangement.

■ Divider

Type	Model number
Vertical divider (sliding installation)	TKC91H80-STS
Vertical divider (fixable installation)	TKC91H80-STL
Vertical divider (for both ends)	TKC91H80-STE
Horizontal divider(for DSA type)	TKC91H80-HS○○○
Horizontal divider (for DSB type)	TKC91H80-EHS△△

○○○ = 150, 200
△△ = Dimension *C* or *D* of divider dimensions.

■ Vertical divider

Model number	For cable carrier model number
TKC91H80-STS	TKC91H80W■■R■■
TKC91H80-STL	
TKC91H80-STE	

■ Horizontal divider

Model number	For cable carrier model number
TKC91H80-HS150	TKC91H80W150R■■
TKC91H80-HS200	TKC91H80W200R■■

■ Bracket

Model number	For cable carrier model number
TKC91H80W150-MU	TKC91H80W150R■■
TKC91H80W150-FU	
TKC91H80W200-MU	TKC91H80W200R■■
TKC91H80W200-FU	
TKC91H80W250-MU	TKC91H80W250R■■
TKC91H80W250-FU	
TKC91H80W300-MU	TKC91H80W300R■■
TKC91H80W300-FU	
TKC91H80W350-MU	TKC91H80W350R■■
TKC91H80W350-FU	
TKC91H80W400-MU	TKC91H80W400R■■
TKC91H80W400-FU	

■ Horizontal divider with end stoppers

Model number	For cable carrier model number
TKC91H80-EHS24	TKC91H80W■■R■■ (Common for each width)
TKC91H80-EHS30	
TKC91H80-EHS36	
TKC91H80-EHS42	
TKC91H80-EHS48	
TKC91H80-EHS54	
TKC91H80-EHS22	TKC91H80W■■R■■ (* For W = 200, 350)
TKC91H80-EHS28	
TKC91H80-EHS34	
TKC91H80-EHS40	
TKC91H80-EHS46	
TKC91H80-EHS52	
TKC91H80-EHS23	TKC91H80W■■R■■ (* For W = 250, 400)
TKC91H80-EHS29	
TKC91H80-EHS35	
TKC91H80-EHS41	
TKC91H80-EHS47	
TKC91H80-EHS53	
TKC91H80-EHS21	TKC91H80W300R■■ (* For W = 300)
TKC91H80-EHS27	
TKC91H80-EHS33	
TKC91H80-EHS39	
TKC91H80-EHS45	
TKC91H80-EHS51	

* When used on vertical divider for both ends (STE).

■ Bracket (with clamp rail)

Model number	For cable carrier model number
TKC91H80W150-MUCR	TKC91H80W150R■■
TKC91H80W150-FUCR	
TKC91H80W200-MUCR	TKC91H80W200R■■
TKC91H80W200-FUCR	
TKC91H80W250-MUCR	TKC91H80W250R■■
TKC91H80W250-FUCR	
TKC91H80W300-MUCR	TKC91H80W300R■■
TKC91H80W300-FUCR	
TKC91H80W350-MUCR	TKC91H80W350R■■
TKC91H80W350-FUCR	
TKC91H80W400-MUCR	TKC91H80W400R■■
TKC91H80W400-FUCR	

See page 15 for ordering information
See page 149 for product mass

Innovation in Motion

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