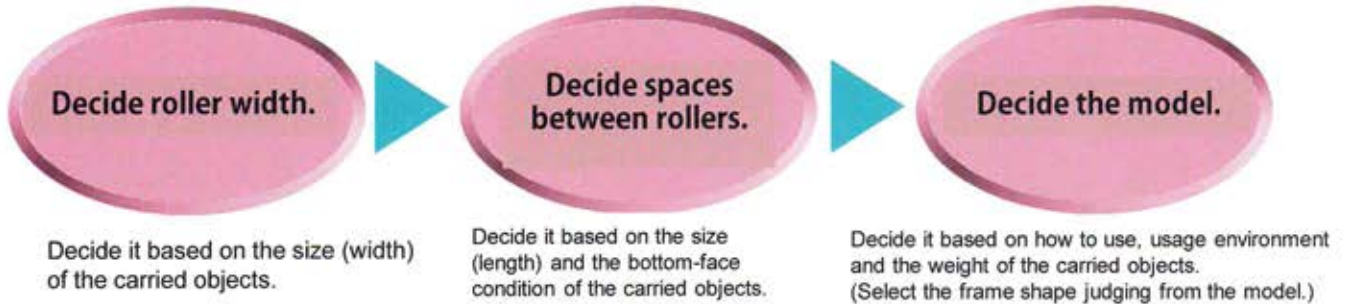


How to select the right model (Roller conveyor)

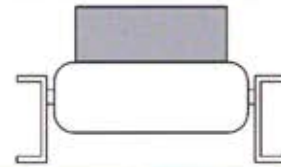
Select the right model for carried objects. Following is how to select it.



Selection of roller width

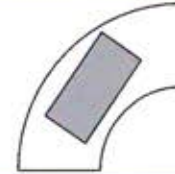
◆ When only using a straight conveyor

Use a conveyor whose roller width (W) is wider than the bottom face width (mm) of the carried objects.



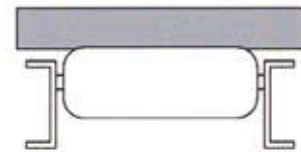
◆ When using a curve conveyor

Use a wider conveyor than when only using a straight conveyor, considering the length (L) of the carried objects.



◆ When the roller width is narrower than the carried objects

It is possible to use the roller whose width is narrower than the carried objects as a matter of design convenience only when the bottom faces of the carried objects are hard, but the conveyance becomes a little unstable.



Selection of spaces between rollers

-When deciding the roller pitch (P), make sure that four or more rollers always touch the bottom face of the carried object.

$$P \leq \frac{\text{Carried object length (L1)}}{4}$$

-Pay attention when selecting pitch and roller withstand load as the bottom face of the carried objects may not touch the rollers in some cases depending on the roller frame machined accuracy and the condition of the bottom face of the carried objects.

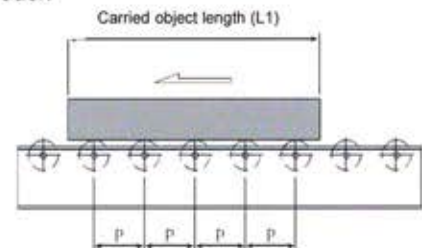


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Selection of the model

◆ Guide for the load applied to one roller

(A) When the bottom face of the carried object is hard and does not deform (steel, wood, plastic, etc.)

$$\text{Load applied to one roller} = \frac{\text{Weight of one carried object}}{2}$$

(B) When the bottom face of the carried object is soft (cardboard, rubber, etc.)

$$\text{Load applied to one roller} = \frac{\text{Weight of one carried object}}{\text{(Number of rollers which receive the carried object)}}$$

※ Select the model which satisfies the withstand load applied to on roller according to (A) and (B).

◆ When an impact is applied at the time of loading

When an impact is applied at the time of loading, the impact load becomes two to five times or more than usual. Select the conveyor with enough conveying capacity.

- Weak impact (Bringing down from belly).....two times
- Somewhat strong impact (Forklift).....four times
- Strong impact (Dropping from shoulder, bringing down with a crane).....five times or more

◆ When arranging roller conveyors in two rows

When arranging roller conveyors in two rows, it is possible to convey 1.5 to 1.8 times more conveyance than usual as the number of rollers which support the carried objects increases.

Spaces between rollers for curve roller

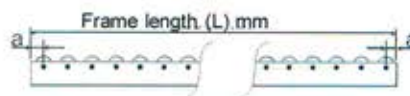
◆ Only the **spaces** between rollers set for the equivalent product are available.

Paint color

◆ Standard color for frame is white ivory (C-17), Munsell Symbol 10GY9/1.

Special colors besides the above color can be manufactured, so please specify the color.

Startup dimension of roller conveyor



Roller pitch	Frame shape	Startup dimension mm	Frame length (L) mm		
			1000	2000	3000
P- 15	A	a/a	12.5/12.5	—	—
	B	a/a	—	—	—
P- 20	A	a/a	10/10	—	—
	B	a/a	—	10/10	10/10
P- 25	A	a/a	12.5/12.5	—	—
	B	a/a	—	12.5/12.5	12.5/12.5
P- 30	A	a/a	20/20	25/25	15/15
	B	a/a	—	25/25	15/15
P- 40	A	a/a	20/20	20/20	25/25
	B	a/a	—	20/20	20/20
P- 50	A	a/a	—	25/25	25/25
	B	a/a	—	25/25	25/25
P- 75	A	a/a	—	62.5/62.5	37.5/37.5
	B	a/a	—	62.5/62.5	37.5/37.5
P-100	A	a/a	—	50/50	50/50
	B	a/a	—	50/50	50/50

Roller Conveyor

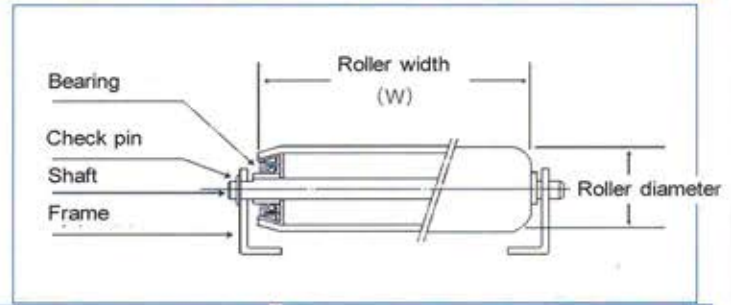
Explanation of Name

SRC Roller conveyor	38 Roller diameter	12 Shaft diameter	A Frame shape	100 × 50 × 2000ℓ Roller width (W) x Pitch (P) x Frame length (L)
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Part name

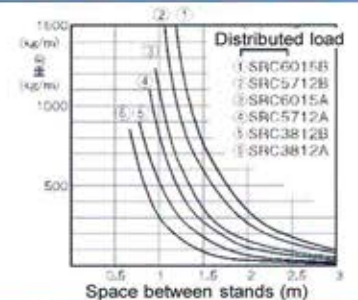
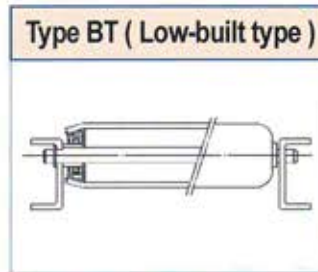
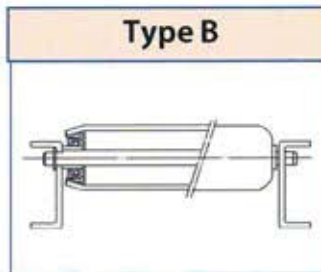
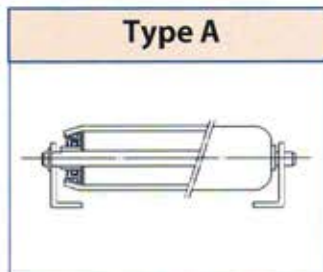


SRC4212, SRC6015



Frame shape

Frame loading capability



Specifications

Usage	Model	Roller dimension (mm)			Space between rollers (P) (mm)	Shaft type	Bearing type	Withstand load per roller	Frame length (mm)	Approx. deadweight per 1m (kg)					
		Outside diameter	Thickness	Roller width (W)						Width w	Pitch	w100	w200	w300	w400
Extra fine	SRC1205A	12.0	1.0	100 - 400	15, 20, 25, 30	φ5 round bar	Machining	15	500, 1000	15	4.6	7.4	10.2	13.0	-
	SRC1205BT			1000, 2000											
	SRC1906A	19.1	1.0	50 - 600	20, 25, 30, 40	φ6 pipe	Press	15	1000	20	5.5	7.6	9.6	11.7	13.7
	SRC1906B			2000, 3000											
	SRK1906A	19.1	1.0	100 - 400	20, 25, 30	φ6 pipe	Press	15	2000, 3000	20	7.8	12.2	16.6	21.0	-
	SRC1906BT			1500, 2000											
Light load	SRC2808A	28.6	1.2	50 - 600	30, 40, 50	φ8 pipe	Press	30	2000, 3000	30	7.6	10.6	13.5	16.5	19.5
	SRC2808B			50 - 500											
	SRC2808BT			50 - 500											
	SRC3812A	38.1	1.2	50 - 1000	50, 75	φ12 pipe	Press	70	2000, 3000	50	8.9	11.9	14.8	17.8	20.8
	SRC3812B			50 - 1000											
	SRK3812A	38.1	1.2	100 - 1000	50, 75	φ12 pipe	Press	50	2000, 3000	50	8.9	11.9	14.8	17.8	20.8
	SRK3812B			50 - 1000											
	SRK4212A	42.7	1.4	100 - 1000	50, 75	φ12 pipe	Press	80	2000, 3000	50	9.9	13.5	17.0	20.8	24.4
SRK4212B	50 - 1000														
Medium-weight load	SRC4212A (Black)	42.7	3.5	50 - 1000	50, 75	φ12 pipe	Press	100	2000, 3000	50	13.7	21.3	28.6	36.2	43.8
	SRC4212B (Black)			50 - 1000											
	SRC5712A	57.2	1.4	50 - 1000	75, 100	φ12 pipe	Press	120	2000, 3000	75	11.4	14.5	17.6	20.7	23.8
	SRC5712B			50 - 1000											
Heavy load	SRC6015A (Black)	60.5	3.2	50 - 1000	75, 100	φ15 round bar	Press	200	2000, 3000	75	18.7	27.0	35.2	43.5	51.7
	SRC6015B (Black)			50 - 1000											
	SRC7630B (Black)	76.3	9.5	100 - 1000 Free size	100, 150, 200, 300	φ30 round bar	6206ZZ	2000	2000, 3000	100	47.8	68.8	90.8	111.8	132.8

*Withstand load per roller for width 200 is set as a standard. *We accept an order for other sizes not shown in the above table.

*Our standard color is Munsell Symbol 10GY9/1.

*We handle special rollers such as R-frame roller or rubber-lining roller.

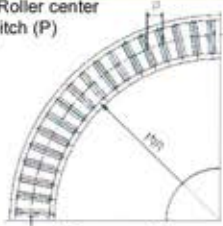
The specification is subject to change without advance notice for improvement.

Extra fine roller conveyor

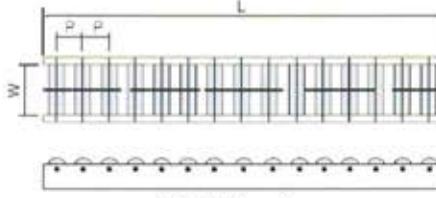
Model Roller possible to Curve Roller

SRC1906B SRC2808B SRC3808B
SRC4212B SRK4212B SRC5712B

*Roller center pitch (P)



(Curve part)

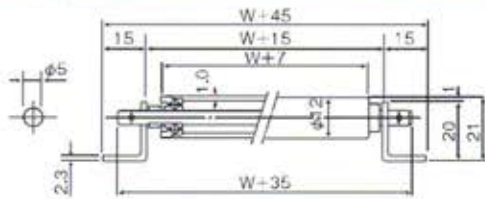


(Straight part)



SRC1205A

(Unit: mm)

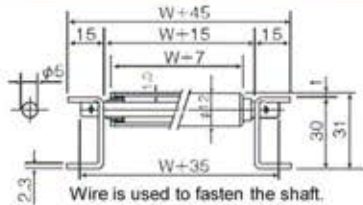


Wire is used for assembly.

Frame length (L)	500, 1000, 1500
Frame dimension	L20x15x2.3 ^t
Roller diameter, thickness	φ12x1.0 ^t plated pipe
Roller width (W)	100 to 400 (by 50)
Roller pitch (P)	15, 20, 25, 30
Shaft type	φ5 round bar double-end pin
Bearing type	High-quality machining bearing
Withstand load of one roller	15kg

SRC1205BT (Low-built type)

(Unit: mm)

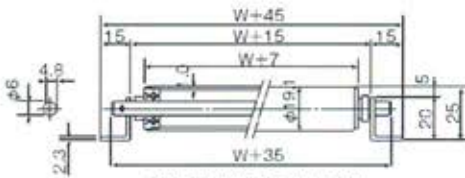


Wire is used to fasten the shaft.

Frame length (L)	1000, 2000
Frame dimension	□30x15x2.3 ^t
Roller diameter, thickness	φ12x1.0 ^t plated pipe
Roller width (W)	100 to 400 (by 50)
Roller pitch (P)	15, 20, 25, 30
Shaft type	φ5 round bar double-end pin
Bearing type	High-quality machining bearing
Withstand load of one roller	15kg

SRC1906A

(Unit: mm)

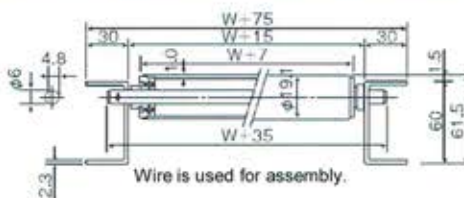


Wire is used for assembly.

Frame length (L)	1000
Frame dimension	L20x15x2.3 ^t
Roller diameter, thickness	φ19.1x1.0 ^t plated pipe
Roller width (W)	50 to 600 (by 50)
Roller pitch (P)	20, 25, 30, 40
Shaft type	φ6 pipe, round, semicircle
Bearing type	Press bearing
Withstand load of one roller	15kg

SRC1906B

(Unit: mm)

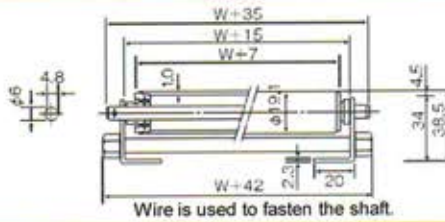


Wire is used for assembly.

Frame length (L)	2000, 3000
Frame dimension	□60x30x2.3 ^t
Roller diameter, thickness	φ19.1x1.0 ^t plated pipe
Roller width (W)	50 to 600 (by 50)
Roller pitch (P)	20, 25, 30, 40
Shaft type	φ6 pipe, round, semicircle
Bearing type	Press bearing
Withstand load of one roller	15kg
Curve roller (R)	Inside R 900

SRK1906A

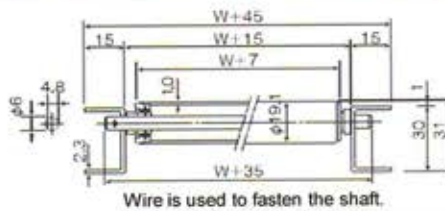
(Unit: mm)



Frame length (L)	2000, 3000
Frame dimension	L33x20x2.3 ¹
Roller diameter, thickness	φ19.1x1.0 ¹ plated pipe
Roller width (W)	100 to 400 (by 50)
Roller pitch (P)	20, 25, 30
Shaft type	φ6 pipe, round, semicircle
Bearing type	Press bearing
Withstand load of one roller	15kg

SRC1906BT [30 low-built type frame]

(Unit: mm)

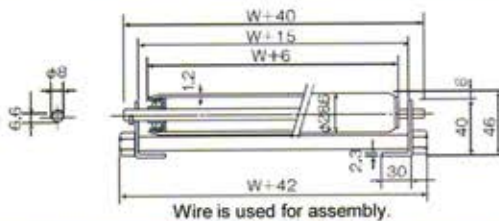


Frame length (L)	1500, 2000
Frame dimension	□30x15x2.3 ¹
Roller diameter, thickness	φ19.1x1.0 ¹ plated pipe
Roller width (W)	100 to 500 (by 50)
Roller pitch (P)	20, 25, 30
Shaft type	φ6 pipe, round, semicircle
Bearing type	Press bearing
Withstand load of one roller	15kg

Light load roller conveyor

SRC2808A

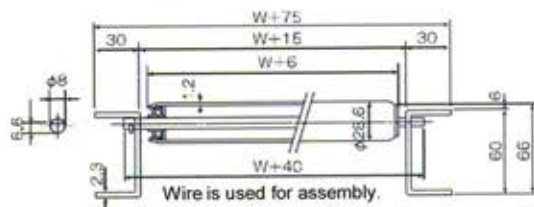
(Unit: mm)



Frame length (L)	2000, 3000
Frame dimension	L40x30x2.3 ¹
Roller diameter, thickness	φ28.6x1.2 ¹ plated pipe
Roller width (W)	50 to 600 (by 50)
Roller pitch (P)	30, 40, 50
Shaft type	φ8 pipe, round, semicircle
Bearing type	Press bearing
Withstand load of one roller	30kg

SRC2808B

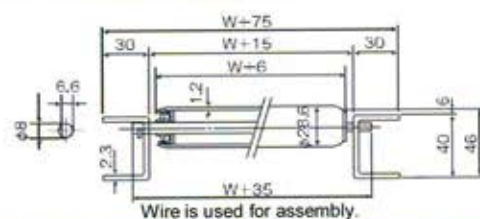
(Unit: mm)



Frame length (L)	1000, 2000
Frame dimension	□30x15x2.3 ¹
Roller diameter, thickness	φ28.6x1.2 ¹ plated pipe
Roller width (W)	100 to 400 (by 50)
Roller pitch (P)	15, 20, 25, 30
Shaft type	φ5 round bar double-end pin
Bearing type	High-quality machining bearing
Withstand load of one roller	15kg

SRC2808BT [40 low-built type frame]

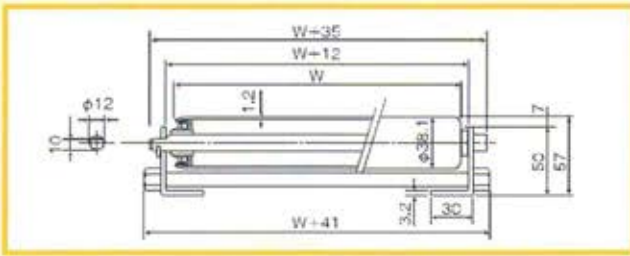
(Unit: mm)



Frame length (L)	2000, 3000
Frame dimension	□40x30x2.3 ¹
Roller diameter, thickness	φ28.6x1.2 ¹ plated pipe
Roller width (W)	50 to 500 (by 50)
Roller pitch (P)	30, 40, 50
Shaft type	φ8 pipe, round, semicircle
Bearing type	Press bearing
Withstand load of one roller	30kg
Curve roller (R)	Inside R 900

SRC3812A

(Unit: mm)

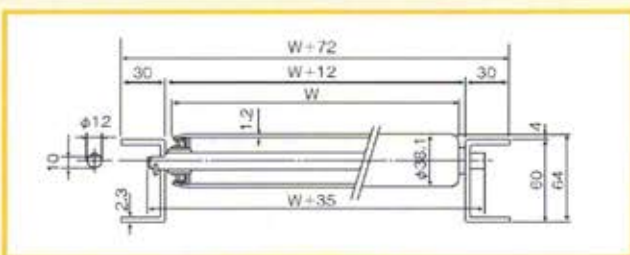


Frame length (L)	2000, 3000
Frame dimension	L50x30x3.2 ¹
Roller diameter, thickness	φ38.1x1.2 ¹ plated pipe
Roller width (W)	50 to 1000 (by 25)
Roller pitch (P)	50, 75
Shaft type	φ12 pipe, round, semicircle
Bearing type	Press bearing
Withstand load of one roller	70kg

¹Roller pipe thickness 2.3¹ is also available.

SRC3812B

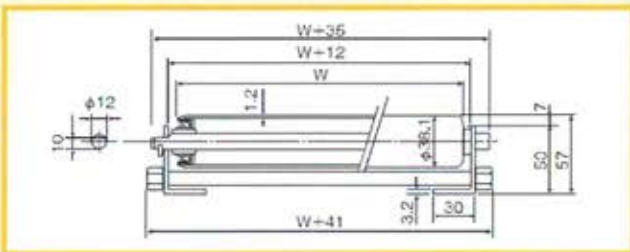
(Unit: mm)



Frame length (L)	2000, 3000
Frame dimension	□60x30x2.3 ¹
Roller diameter, thickness	φ38.1x1.2 ¹ plated pipe
Roller width (W)	50 to 1000 (by 25)
Roller pitch (P)	50, 75
Shaft type	φ12 pipe, round, semicircle
Bearing type	Press bearing
Withstand load of one roller	70kg
Curve roller (R)	Inside R 900

SRK3812A

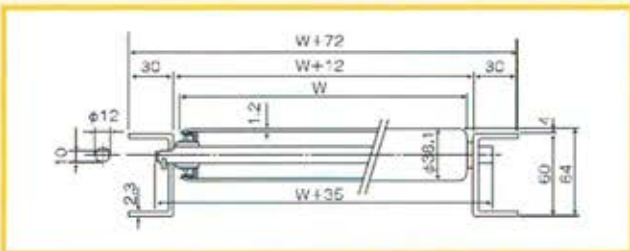
(Unit: mm)



Frame length (L)	2000, 3000
Frame dimension	L50x30x3.2 ¹
Roller diameter, thickness	φ38.1x1.2 ¹ plated pipe
Roller width (W)	100 to 1000 (by 50)
Roller pitch (P)	50, 75
Shaft type	φ12 pipe, round, semicircle
Bearing type	Press bearing
Withstand load of one roller	50kg

SRK3812B

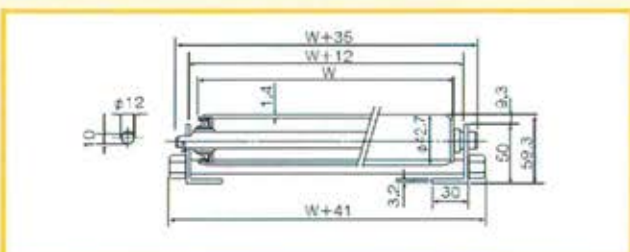
(Unit: mm)



Frame length (L)	2000, 3000
Frame dimension	□60x30x2.3 ¹
Roller diameter, thickness	φ38.1x1.2 ¹ plated pipe
Roller width (W)	100 to 1000 (by 50)
Roller pitch (P)	50, 75
Shaft type	φ12 pipe, round, semicircle
Bearing type	Press bearing
Withstand load of one roller	50kg
Curve roller (R)	Inside R 900

SRK4212A

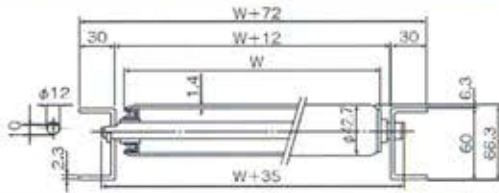
(Unit: mm)



Frame length (L)	2000, 3000
Frame dimension	L50x30x3.2 ¹
Roller diameter, thickness	φ42.7x1.4 ¹ plated pipe
Roller width (W)	100 to 1000 (by 50)
Roller pitch (P)	50, 75
Shaft type	φ12 pipe, round, semicircle
Bearing type	Press bearing
Withstand load of one roller	80kg

SRK4212B

(Unit: mm)

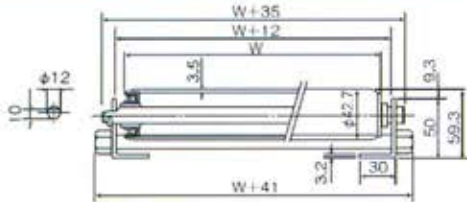


Frame length (L)	2000, 3000
Frame dimension	□60x30x2.3 ¹
Roller diameter, thickness	φ42.7x1.4 ¹ plated pipe
Roller width (W)	100 to 1000 (by 50)
Roller pitch (P)	50, 75
Shaft type	φ12 pipe, round, semicircle
Bearing type	Press bearing
Withstand load of one roller	80kg
Curve roller (R)	Inside R 900

Middle-weight load roller conveyor

SRC4212A (Black pipe)

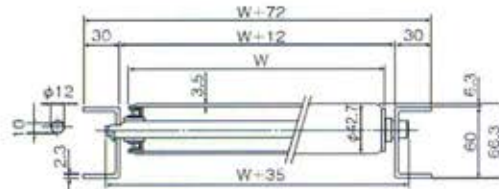
(Unit: mm)



Frame length (L)	2000, 3000
Frame dimension	L50x30x3.2 ¹
Roller diameter, thickness	φ42.7x3.5 ¹ black coated pipe
Roller width (W)	50 to 1000 (by 25)
Roller pitch (P)	50, 75
Shaft type	φ12 pipe, round, semicircle
Bearing type	Press bearing
Withstand load of one roller	100kg

SRC4212B (Black pipe)

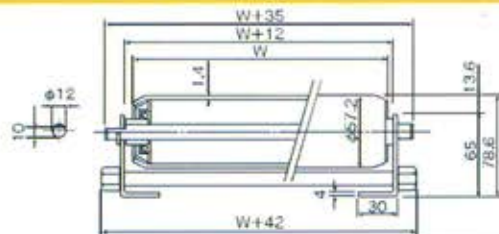
(Unit: mm)



Frame length (L)	2000, 3000
Frame dimension	□60x30x2.3 ¹
Roller diameter, thickness	φ42.7x3.5 ¹ black coated pipe
Roller width (W)	50 to 1000 (by 25)
Roller pitch (P)	50, 75
Shaft type	φ12 pipe, round, semicircle
Bearing type	Press bearing
Withstand load of one roller	100kg
Curve roller (R)	Inside R 900

SRC5712A

(Unit: mm)

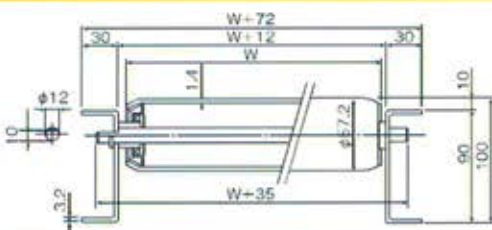


Frame length (L)	2000, 3000
Frame dimension	L65x30x4 ¹
Roller diameter, thickness	φ57.2x1.4 ¹ plated pipe
Roller width (W)	50 to 1000 (by 25)
Roller pitch (P)	75, 100
Shaft type	φ12 pipe, round, semicircle
Bearing type	Press bearing
Withstand load of one roller	120kg

*Roller pipe thickness 2.1¹ is also available.

SRC5712B

(Unit: mm)

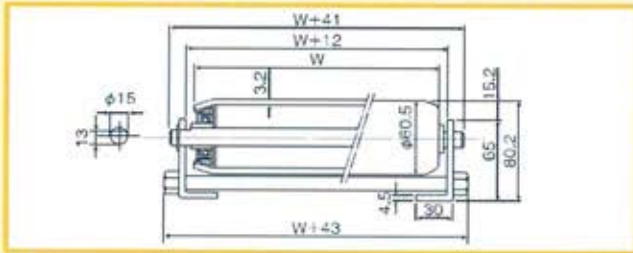


Frame length (L)	2000, 3000
Frame dimension	□90x30x3.2 ¹
Roller diameter, thickness	φ57.2x1.4 ¹ plated pipe
Roller width (W)	50 to 1000 (by 25)
Roller pitch (P)	75, 100
Shaft type	φ12 pipe, round, semicircle
Bearing type	Press bearing
Withstand load of one roller	120kg
Curve roller (R)	Inside R 900

*Roller pipe thickness 2.1¹ is also available.

Heavy load roller conveyor

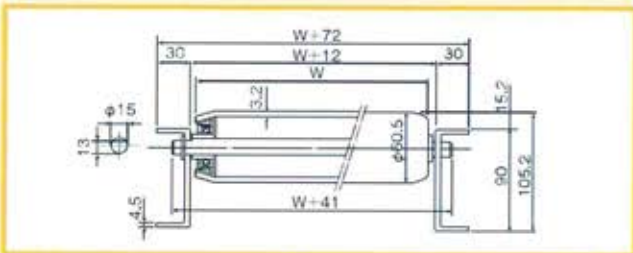
SRC6015A (Black pipe)



(Unit: mm)

Frame length (L)	2000, 3000
Frame dimension	L65x30x4.5 ¹
Roller diameter, thickness	φ60.5x3.2 ¹ black coated pipe
Roller width (W)	50 to 1000 (by 25)
Roller pitch (P)	75, 100
Shaft type	φ15 round bar, round, semicircle
Bearing type	Press bearing (grease injection)
Withstand load of one roller	200kg

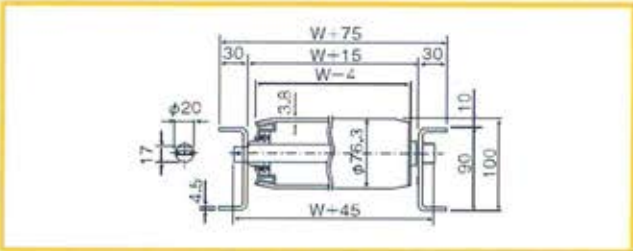
SRC6015B (Black pipe)



(Unit: mm)

Frame length (L)	2000, 3000
Frame dimension	□90x30x4.5 ¹
Roller diameter, thickness	φ60.5x3.2 ¹ black coated pipe
Roller width (W)	50 to 1000 (by 25)
Roller pitch (P)	75, 100
Shaft type	φ15 round bar, round, semicircle
Bearing type	Press bearing (grease injection)
Withstand load of one roller	200kg
Curve roller (R)	Inside R 900

SRC7620B (Plated pipe)



(Unit: mm)

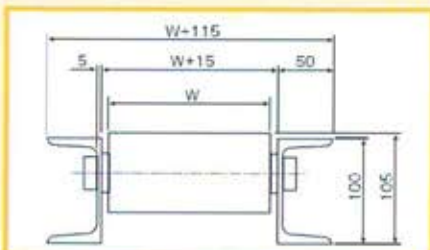
Frame length (L)	2000, 3000
Frame dimension	□90x30x4.5 ¹
Roller diameter, thickness	φ76.3x3.8 ¹ plated pipe
Roller width (W)	100 to 1000 (by 50)
Roller pitch (P)	100, 150
Shaft type	φ20 round bar, round, semicircle
Bearing type	Machined bearing
Withstand load of one roller	500kg
Curve roller (R)	Inside R 900

SRC7630B (Black pipe)



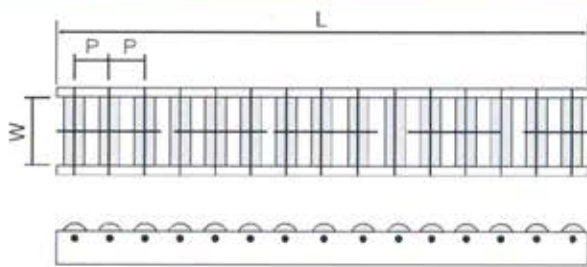
(Note) Rollers are not assembled to the frame. Rollers and the frame are delivered separately. (Separate delivery)

(Unit: mm)



Frame length (L)	2000, 3000
Frame dimension	□100x50x5 ¹
Roller diameter, thickness	φ76.3x9.5 ¹ (black coated pipe)
Roller width (W)	100 to 1000 (by 50)
Roller pitch (P)	100, 150, 200, 300
Shaft type	φ30 round bar, round, semicircle
Bearing type	6206ZZ
Withstand load of one roller	2000kg

Roller conveyor using standard bearings

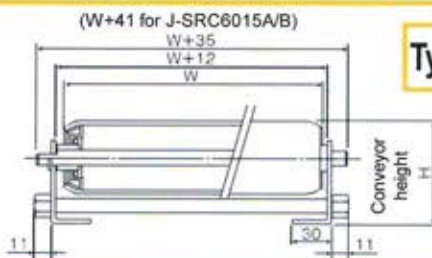


(Straight part)

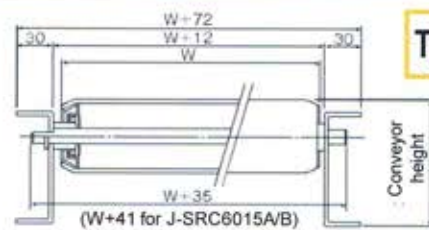


Fulfilling low noise, high rotation, and excellent durability

High-quality roller conveyor provides quieter, smoother, more powerful and stable rotation. It conveys precious carried objects securely and smoothly. It is suitable for the usage such as receiving point of belt conveyor.



Type A Frame



Type B Frame

Model	Roller Dimension			Frame Shape Conveyor Height	Roller Pitch P (mm)	Shaft Type	Bearing Type	Frame Length (mm)	Roller Withstand Load k/g
	Thickness	Thickness	Roller Width						
J-SRC3812A	38.1 Plated	1.2	100~1000 By 50	□50x30x3.2 57.0	50 75	Φ12 Pipe	#6901ZZ	2000 3000	80
J-SRC3812B	38.1 Plated	1.2	100~1000 By 50	□60x30x2.3 64.0	50 75	Φ12 Pipe	#6901ZZ	2000 3000	80
J-SRC4212A	42.7 Black	3.5	100~1000 By 50	□50x30x3.2 59.3	50 75	Φ12 Pipe	#6901ZZ	2000 3000	100
J-SRC4212B	42.7 Black	3.5	100~1000 By 50	□60x30x2.3 66.3	50 75	Φ12 Pipe	#6901ZZ	2000 3000	100
J-SRC5712A	57.2 Plated	1.4	100~1000 By 50	□65x30x4.0 78.6	75 100	Φ12 Pipe	#6201ZZ	2000 3000	120
J-SRC5712B	57.2 Plated	1.4	100~1000 By 50	□90x30x3.2 100.0	75 100	Φ12 Pipe	#6201ZZ	2000 3000	120
J-SRC6012A	60.5 Black	3.2	100~1000 By 50	□65x30x4.0 80.2	75 100	Φ12 Round Bar	#6201ZZ	2000 3000	180
J-SRC6012B	60.5 Black	3.2	100~1000 By 50	□90x30x3.2 101.6	75 100	Φ12 Round Bar	#6201ZZ	2000 3000	180
J-SRC6015A	60.5 Black	2.3	100~1000 By 50	□65x30x4.5 80.2	75 100	Φ15 Round Bar	#6202ZZ	2000 3000	180
J-SRC6015B	60.5 Black	2.3	100~1000 By 50	□90x30x4.5 105.2	75 100	Φ15 Round Bar	#6202ZZ	2000 3000	180