

How to select the right model (Synchro-carrier)

Carried object

- ◆ Carried object.....Material, weight, shape, space
- ◆ Conveyor place environment.....Heat, acid, alkaline, wetness, moisture

Synchro-carrier width and carried object shape

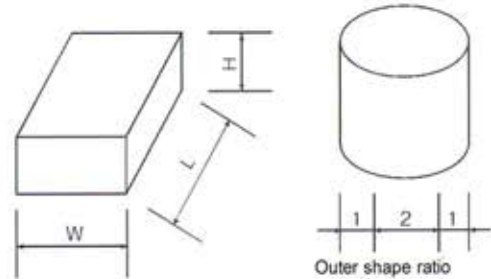
◆ Width

As shown in the illustration on the right (oil can), it is important to apply, load equally on the carried object and keep balanced. In addition, it is necessary that the floor face is flat in any cases.

◆ Shape

It is advisable that the floor face is flat, or the ground contact area is large.

*Please be advised that it is subjected to more restraints than the roller conveyor.



Deciding wheel type

Considering conveyance conditions, conveyance weight conditions, working conditions, loading conveyance conditions, etc., and also taking wheel characteristics into account, decide the suitable type for the condition of use among the many variations.

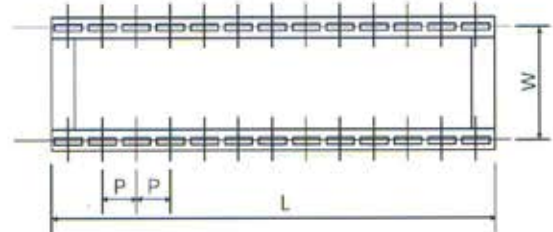
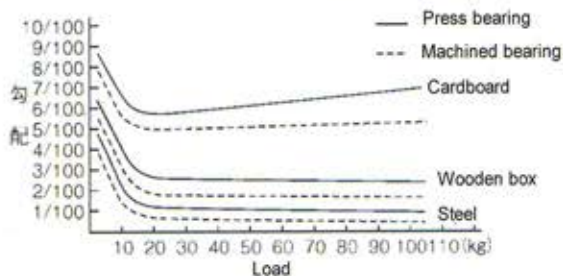
Selection of wheel pitch

When using a synchro-carrier arranged in a double row, the ideal condition is that four or more wheels always hold the carried object equally.

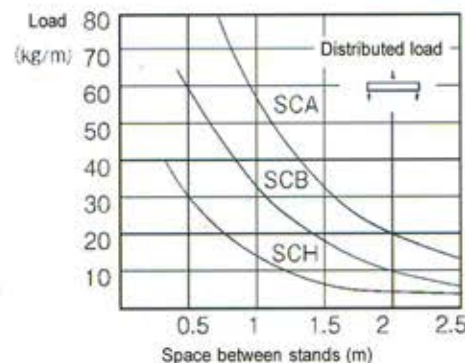
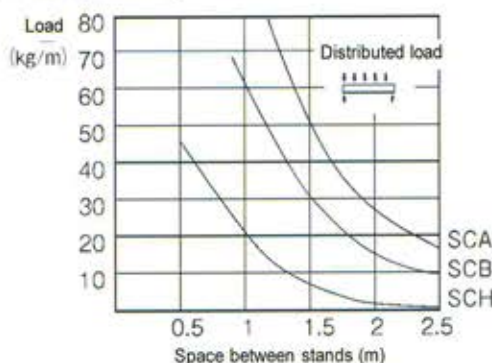


Selection of self-propelled inclination

Wheels of the synchro-carrier generate less noise than those of the roller conveyor and rotate smoothly. Thanks to the fact, low self-propelled inclination can be set. It is advisable, however, to conduct a test and set the inclination as it is affected by the material, weight, shape, or floor face condition of the carried object.



Frame load capability

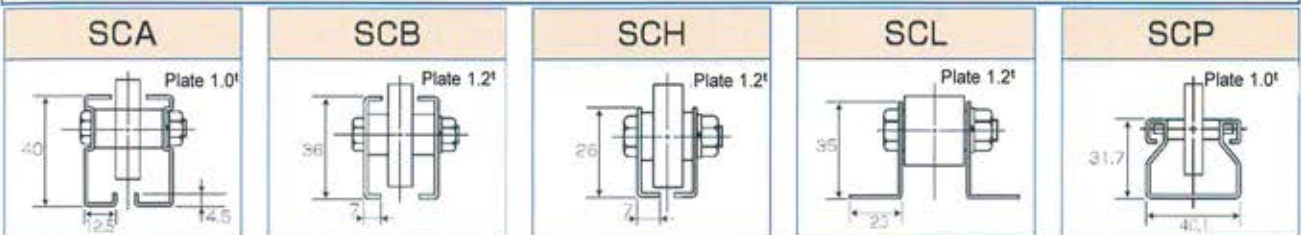


Synchro-carrier

Explanation of name

SCA	36	S	50 x 2000ℓ	Wheel type	Symbol	Type
Frame shape	Wheel diameter	Wheel type	Pitch (P) x Frame length (L)		S	Machined wheel
				P	Press wheel	
				R	Rubber-lining wheel	
				C	Resin wheel	

Frame shape



Various wheel



Specifications

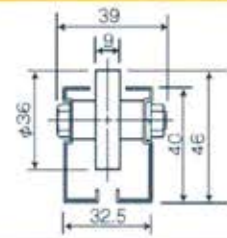
Frame shape	Wheel type	Wheel dimension Outer shape x Width x Shaft diameter x Boss (mm)	Frame dimension (mm)	Wheel pitch (mm)	Withstand load per wheel (Kg)	Deadweight per meter (Kg)	Characteristics
SCA	36S	36x6x25	40x13x9x1.0'	50, 75	30	2.63	Excellent strength, durability, rolling performance
	36P	36x12x25	40x13x9x1.0'	50, 75	20	1.93	Economical press wheel for light load
	40R	40x6x25	40x13x9x1.0'	50, 75	25	2.67	Rubber-lining protects products from scratches.
	36SC	36x6x25	40x13x9x1.0'	50	30	2.63	Hard chrome plating
	36SW	36x6x25	40x13x9x1.0'	25, 50, 75	30	6.33	Abacus shape makes smooth flow.
	36SM	36x6x25	40x13x9x1.0'	25, 50, 75	30	5.95	Staggered arrangement makes smooth flow.
SCB	36ST	36(angle)x6x25	40x13x9x1.0'	50	20	2.65	Angle-shaped hard chrome plating + urethane foam
	36S	36x6x25	36x7x1.2'	50, 75	30	2.63	Compact type suitable for narrow space
	36P	36x12x25	36x7x1.2'	50, 75	20	1.82	Economical press wheel for light load
SCH	40R	40x6x25	36x7x1.2'	50, 75	25	2.56	Rubber-lining protects products from scratches.
	20S	20x6x16	26x7x1.2'	25	10	1.58	Super-compact type suitable for carrying only contents
	20L	20x25x6x27	26x7x1.2'	25	25	3.02	Super-compact and wide type, stable to carry only contents
	25S	25.4x6x16	26x7x1.2'	30, 35	20	1.77	Small type, excellent rolling performance
	25P	25.4x7x16	26x7x1.2'	30, 35	10	1.80	Small type, economical press wheel
	25SC	25.4x6x16	26x7x1.2'	30, 35	20	1.77	Hard chrome plating
SCL	25SB (B type)	25.4x6x13	B: 30x20x2.3'	30, 35	5	1.94	Cantilever type, suitable for narrow space
	30R	30x6x16	26x7x1.2'	35	20	1.68	Small type, rubber-lining protects products from scratches
	30RB	30x6x13	30x20x2.3'	35	5	1.79	Cantilever type with rubber-lining, suitable for narrow space
SCP	25L	25x23x6x25	35x20x1.2'	30	30	3.46	Wide-width wheel, up to 10 rows available
	20C-A	20x20x3x23	31.7x40x1.0'	25, 40, 50	5	1.27	Economical small-type plastic wheel
SCP	20C-B	20x20x3x23	31.7x40x1.0'	25, 40, 50	5	1.27	Plastic wheel, anti-static agent contained
	36C-A	36x20x3x23	31.7x40x1.0'	40, 50	10	1.26	Economical plastic wheel
	36C-B	36x20x3x23	31.7x40x1.0'	40, 50	10	1.26	Plastic wheel, anti-static agent contained
	36S	36x6x25	31.7x40x1.0'	40, 50	20	2.59	Excellent durability and rolling performance
	36ST	36(angle)x6x25	31.7x40x1.0'	50	20	2.49	Angle-shaped hard chrome plating + urethane foam
	36SM	36x6(5)x24	31.7x40x1.0'	25, 50, 75	20	3.79	Staggered arrangement makes smooth flow.

SCA36S (Machined)



Model	Wheel dimension	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
	Outside diameter x Width x Shaft diameter			
SCA36S	36 x 9 x 6	2000 3000	50, 75	30

(Note) As for Pitch 75, wheels are arranged alternately as the frame for Pitch 25 is used.



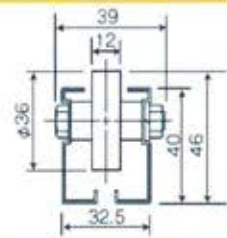
(Unit: mm)

SCA36P (Press)



Model	Wheel dimension	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
	Outside diameter x Width x Shaft diameter			
SCA36P	36 x 12 x 6	2000 3000	50, 75	20

(Note) As for Pitch 75, wheels are arranged alternately as the frame for Pitch 25 is used.

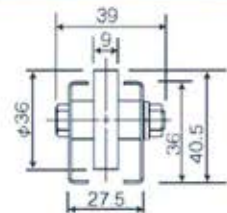


(Unit: mm)

SCB36S (Machined)



Model	Wheel dimension	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
	Outside diameter x Width x Shaft diameter			
SCB36S	36 x 9 x 6	2000	50, 75	30

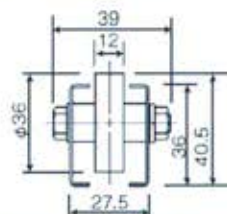


(Unit: mm)

SCB36P (Press)



Model	Wheel dimension	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
	Outside diameter x Width x Shaft diameter			
SCB36P	36 x 12 x 6	2000	50, 75	20

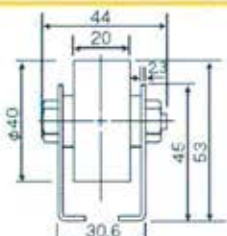


(Unit: mm)

SCT40P (Press)



Model	Wheel dimension	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
	Outside diameter x Width x Shaft diameter			
SCT40P	40 x 20 x 6	2000 3000	50	20

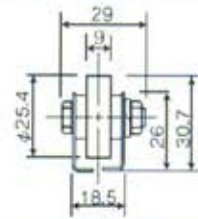


(Unit: mm)

SCH25S (Machined)



(Unit: mm)

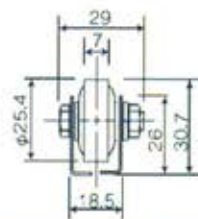


Model	Wheel dimension	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
	Outside diameter x Width x Shaft diameter			
SCH25S	25.4 x 9 x 6	1800 2000	30, 35	20

SCH25P (Press)



(Unit: mm)

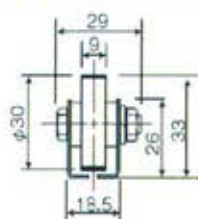


Model	Wheel dimension	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
	Outside diameter x Width x Shaft diameter			
SCH25P	25.4 x 7 x 6	1800 2000	30, 35	10

SCH30R (Rubber-lining)



(Unit: mm)

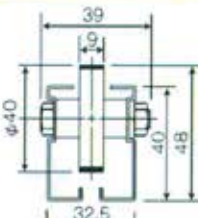


Model	Wheel dimension	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
	Outside diameter x Width x Shaft diameter			
SCH30R	30 x 9 x 6	1800 2000	35	20

SCA40R (Rubber-lining)



(Unit: mm)



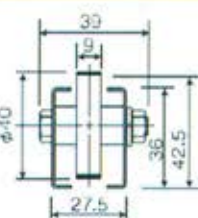
Model	Wheel dimension	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
	Outside diameter x Width x Shaft diameter			
SCA40R	40 x 9 x 6	2000 3000	50, 75	25

(Note) As for Pitch 75, wheels are arranged alternately as the frame for Pitch 25 is used.

SCB40R (Rubber-lining)



(Unit: mm)

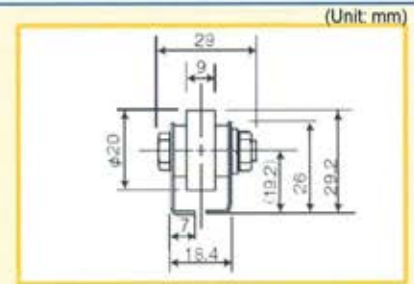


Model	Wheel dimension	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
	Outside diameter x Width x Shaft diameter			
SCB40R	40 x 9 x 6	2000	50, 75	25

SCH20S (Machined)



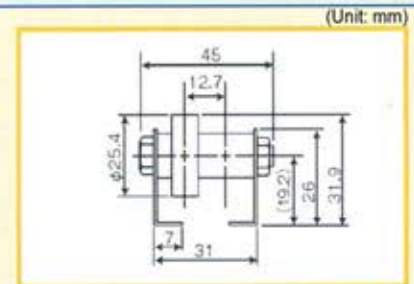
Model	Wheel dimension	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
	Outside diameter x Width x Shaft diameter			
SCH20S	20 x 9 x 6	2000	25	10



SCH25SM (Staggered arrangement, machined)



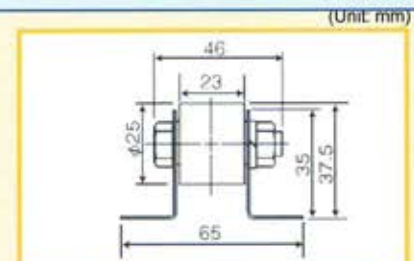
Model	Wheel dimension	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
	Outside diameter x Width x Shaft diameter			
SCH25SM (Staggered arrangement)	25.4 x 9 x 6	2000	25	20



SCL25L (Machined, wide)



Model	Wheel dimension	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
	Outside diameter x Width x Shaft diameter			
SCL25L	25 x 23 x 8	2000	30	30



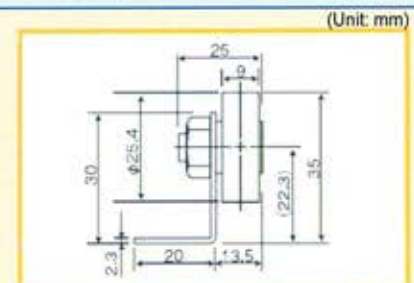
*25LC hard chrome plating specification is available.

SCH25SB Unilateral boss (B type Frame 2.3t, machined)



Model	Wheel dimension	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
	Outside diameter x Width x Shaft diameter			
SCH25SB Unilateral boss (B)	25.4 x 9 x 6	2000	30, 35	5

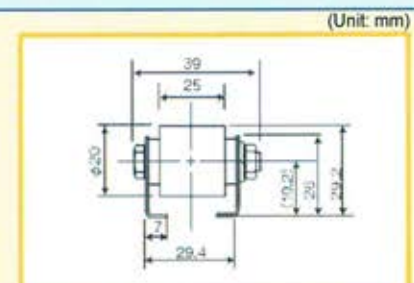
Specify the frame as 2.3' at the time of order.



SCH20L (Small type, wide)



Model	Wheel dimension	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
	Outside diameter x Width x Shaft diameter			
SCH20L	20 x 25 x 6	2000	25	25

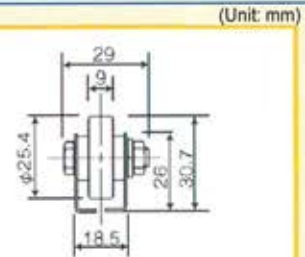


Hard chrome plating & Abacus, Staggered arrangement

SCH25SC (Hard chrome plating, machined)



Model	Wheel dimension Outside diameter x Width x Shaft diameter	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
SCH25S	25.4 x 9 x 6	1800 2000	30, 35	20

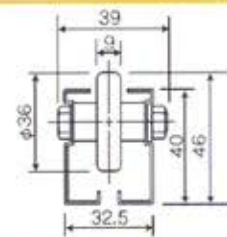


(Unit: mm)

SCA36SC (Hard chrome plating, machined)



Model	Wheel dimension Outside diameter x Width x Shaft diameter	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
SCA36S	36 x 9 x 6	2000 3000	50, 75	30



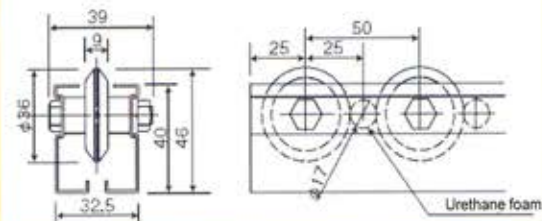
(Unit: mm)

(Note) As for Pitch 75, wheels are arranged alternately as the frame for Pitch 25 is used.

SCA36ST (Angle hard chrome plating, urethane foam incorporated)



Model	Wheel dimension Outside diameter x Width x Shaft diameter	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)	Characteristics
SCA36ST	36 x 9 x 6 (Angle hard chrome plating)	1800 2000	30, 35	10	Urethane foam is incorporated.

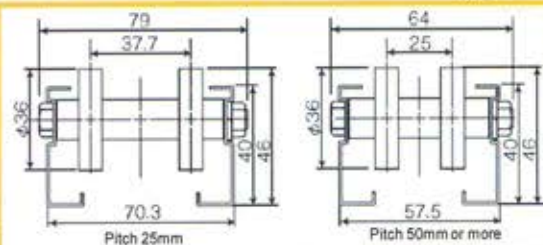


(Unit: mm)

SCA36SW (Abacus)



Model	Wheel dimension Outside diameter x Width x Shaft diameter	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
SCA36SW (Abacus)	36 x 9 x 6	2000 3000	25, 50	30

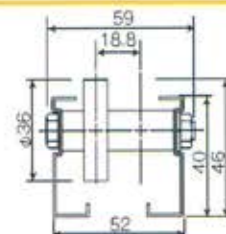


(Unit: mm)

SCA36SM (Staggered arrangement)



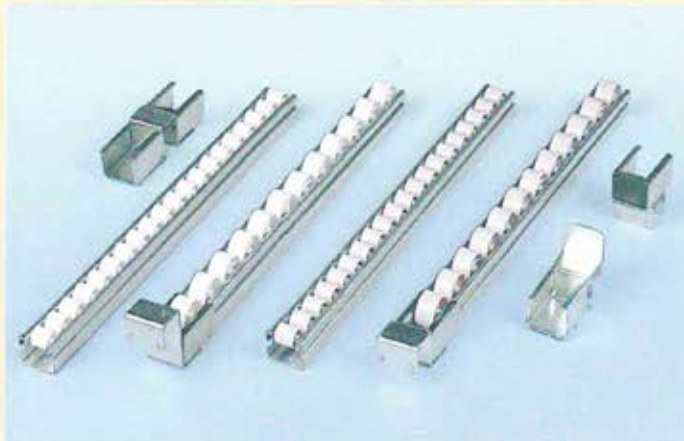
Model	Wheel dimension Outside diameter x Width x Shaft diameter	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
SCA36SM (Staggered arrangement)	36 x 9 x 6	2000 3000	25, 50	30



(Unit: mm)

SCP series Resin-wheel synchro-carrier

SCP36C-A , SCP36C-B



Parts shelf

Fixed to aluminum/resin pipes with exclusive brackets

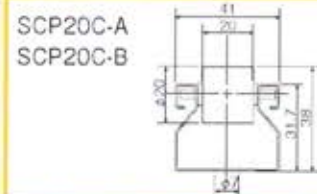
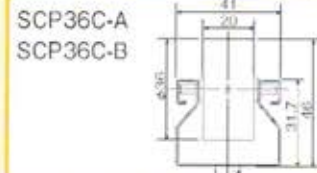
Specifications

Model	Wheel dimension Outside diameter x Width x Shaft diameter	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
SCP36C-A	36 x 20 x 3.2	2000 2500 3000	40, 50	10
SCP36C-B (Anti-static agent contained)	36 x 20 x 3.2	2000 2500 3000	40, 50	10

Model	Wheel dimension Outside diameter x Width x Shaft diameter	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
SCP20C-A	20 x 20 x 3.2	2000 2500 3000	25, 40, 50	5
SCP20C-B (Anti-static agent contained)	20 x 20 x 3.2	2000 2500 3000	25, 40, 50	5

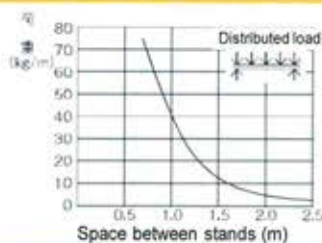
Frame cross section

(Unit: mm)

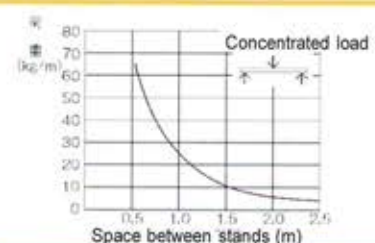


Bracket (Available for $\phi 28$ resin pipe)

Synchro bracket Type SCP36- CA01F	Synchro bracket Type SCP36-CA01R	Synchro bracket Type SCP36-CA01M	Bracket stopper Type SCP36-CA10F	Mid-holder Type SCP36-CA10M



Frame load
capability
(per one unit)

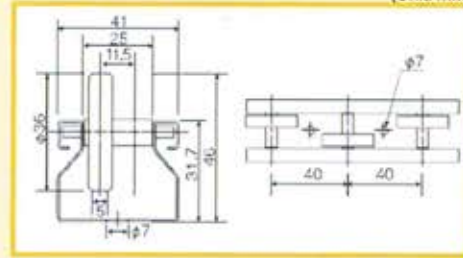


SCP series Special synchro-carrier (pin-assembled type)

SCP36SM (Staggered arrangement)



(Unit: mm)

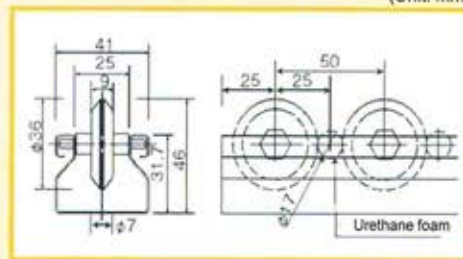


Model	Wheel dimension Outside diameter x Width x Shaft diameter	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
SCP36SM (Staggered arrangement)	36 x 9 x 6	2000 3000	24, 40, 50	20

SCP36ST (Angle hard chrome plating, urethane foam incorporated, maintenance is easy)



(Unit: mm)



Model	Wheel dimension Outside diameter x Width x Shaft diameter	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)	Characteristics
SCP36ST	36 x 9 x 6 (Angle hard chrome plating)	2000 3000	50	20	Urethane foam is incorporated.

SCP40P (Press)



Model	Wheel dimension Outside diameter x Width x Shaft diameter	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
SCP40P (Press)	40 x 20 x 6	2000 3000	50	20

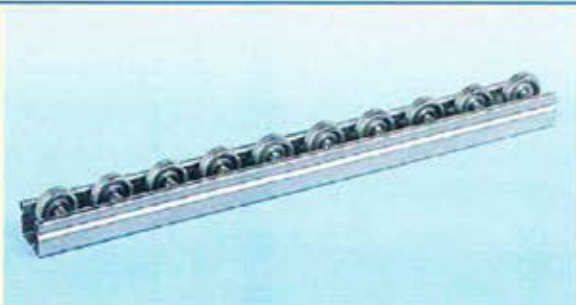
Remove the wheels at the end when using brackets.

SCP36S (Machined)



Model	Wheel dimension Outside diameter x Width x Shaft diameter	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
SCP36S (Machined)	36 x 9 x 6	2000 3000	40, 50	20

SCP36P (Press)



Model	Wheel dimension Outside diameter x Width x Shaft diameter	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
SCP36P (Press)	36 x 12 x 6	2000 3000	40, 50	15

SCP40R (Rubber-lining)



Model	Wheel dimension Outside diameter x Width x Shaft diameter	Frame length (mm)	Pitch (mm)	Withstand load per wheel (kg)
SCP40R (Rubber-lining)	40 x 9 x 6	2000 3000	50	20