

## **Conveyor Selection guide**

## You can choose! Precise conveyors using NKE equipment!

Conveyor
length can be
specified in
munits!

- You can specify the length of the conveyor and the pitch between belts in 1 mm units.
- NKE conveyors are available in various models depending on the intended use.
- NKE can handle not only standard unit products but also a wide range of customization according to the environment and usage of the customer, so please do not hesitate to contact us even if you cannot find the product you are looking for.
- We also have peripheral equipment such as frames necessary for constructing a transport line, so you can easily design the line.

## List of product specifications

#### Flat belt conveyor

Туре	Shape	Features	Model	Belt width (mm)	Length between pulleys (mm)	Motor output (W)
Middle driven	1/6	Ultra-small conveyor for transporting small items. Prepare a minimum belt width of 12 mm.	CS20	12,50	132~2000	6
Middle driven Two rows		Flat belt type two rows conveyor. Suitable for transporting workpieces that do not have a protruding frame inside the belt, have a loading unit as small as a base plate, and have the product mounted on the back of the object to be transported.	CSD30	Two rows specification Pitch between belts 25~300	501~2000	6 25
Head driven		Small conveyor with a pulley diameter of $\phi 30$ .	CS30	20	161~1000	1 6
Head driven		CSJ30 series head driven type. Conveyor with a pulley diameter of φ30. An inexpensive series in the lineup.	CSJ30-A	30 , 50 , 75 100 , 150 200	180~3000	6 25
		CSJ30 series middle driven type. Conveyor with a pulley diameter of φ30 at both ends. Drive unit motor mounting shape can be selected from 3 types:	CSJ30-V	30,50 75 100 150 200	Round pulley         Knife Edge Rollers           142~4000         142~2000           150~4000         150~2000           200~4000         200~2000           300~4000         300~2000           400~4000         400~2000	
	CSJ30-V	V type: Motor vertical mounting H type: Motor parallel mounting V type: Motor direct connection mounting The drive unit can be moved to any position even afterwards.	CSJ30-H	30,50 75 100 150 200	122~4000         122~2000           150~4000         150~2000           200~4000         200~2000           300~4000         300~2000           400~4000         400~2000	6 15 25
Head driven	CSJSV-V	Knife edge specifications that are effective for transferring small workpieces can also be selected.	CSJ30-T	30 50 75 100 150 200	61~4000 61~2000 100~4000 100~2000 150~4000 150~2000 200~4000 200~2000 300~4000 300~2000 400~4000 400~2000	-
Knife Edge Rollers		CSJ50 series middle driven type. Conveyor with a pulley diameter of φ50 at both ends. Drive unit motor mounting shape can be selected from 3 types:	CSJ50-V	30,50 75 100 150 200	Round pulley         Knife Edge Rollers           122-4000         122-2000           150-4000         150-2000           200-4000         200-2000           300-4000         300-2000           400-4000         400-2000	-
	CSJ50-H	V type: Motor vertical mounting H type: Motor parallel mounting V type: Motor direct connection mounting The drive unit can be moved to any position even afterwards.	CSJ50-H	30,50 75 100 150 200	102~4000         102~2000           150~4000         150~2000           200~4000         200~2000           300~4000         300~2000           400~4000         400~2000	6 15 25
	CSJ50-H even afterwards.  Knife edge specifications that are effective for transferring small workpieces can also be selected.	CSJ50-T	30 50 75 100 150 200	90~4000         90~2000           100~4000         100~2000           150~4000         150~2000           200~4000         200~2000           300~4000         300~2000           400~4000         400~2000	-	



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Type	Shape	Features	Model	Belt width (mm)	Length between pulleys (mm)	Motor output (W)
Head driven		Highly versatile conveyor with a pulley diameter of φ50. Selectable from head driven and middle driven types.  9 types are available with a motor capacity of 6	CSSK50	40,50,75 100,150,200 300,400,500	192~4000(6W) 197~4000(15W) 219~4000(25W) 223~4000(40W) (Note)	6,15
Middle driven		o 40 W and a belt width of 40 to 500 mm.  A conveyor with many variations and easy to use.	CSSK50M	40,50,75 100,150 200,300	308~4000(6W) 320~4000(15W) 335~4000(25W) 341~4000(40W) (Note)	25,40
	1	The conveyor has a motor built into the frame, and there is no protrusion of the motor to the	CSS50N	40 , 75	300~2000	1
Built-in		outside. Three types of pulley diameters φ50, 70, 90 are	CSS70N	60 , 100 , 150	412~2000	6
motor		available.	CSN90	100 , 150	487~2000	25
		Large conveyor with a pulley diameter of φ90		150	300~3000	
Head driven		Supports weight transfer with motor capacities of 60 and 90 W	CSH90	200	400~3000	60,90
	The picture is symmetrical motor mounting position.			300	600~3000	

(Note) This value represents the length between pulleys with respect to the motor output. If the belt width is wide, the minimum pulley length must be at least twice the belt width.

## Special belt conveyor

Type	Shape	Features	Model	Belt width (mm)	Length between pulleys Length between sprockets (mm)	Motor output (W)
Head driven		Conveyor using a free attachment belt. Uses a special belt that can screw jigs etc. to the belt using a dedicated nut. The dedicated nut position is specified every 10 mm in the longitudinal direction and every 25 mm in the width direction. High-precision pitch feed transfer is possible by changing the motor to a servo motor or stepping.	CSSK50FAT	50,75,100	400~2000	25 , 40
Head driven		Round belt two rows conveyor. Effective for hanging and transporting.	CSR50	Pitch between belts (mm)	190~2000	6,25
Head driven		Conveyor use stainless mesh belt. Effective for workpieces with oil and water drainage by blowing air during transportation.	CSSK50-W	100 , 150 200 , 300	400~4000	25,40
Head driven		Uses a belt that can handle heat resistance up to 230 degrees.	CSSK70	60,100,150	237~2000	25 , 40

#### **Timing belt conveyor**

Туре	Shape	Features	Model	Pitch between belts (mm)	Length between pulleys Length between sprockets (mm)	Motor output (W)
Head driven		CBS30 series head driven type. A two rows conveyor with a pulley diameter of $\phi$ 30.	CSB30-A	40~300	285~2000	6,25
Middle driven		CBS30 series middle driven type. Two rows conveyor with a pulley diameter of φ 30 at both ends. Drive unit motor mounting shape can be	CSB30-V		252~2000	
		V type: Motor parallel mounting V type: Motor of tirel mounting V type: Motor of tirel mounting V type: Motor direct connection mounting	CSB30-H	40~300	234~2000	6,15 25
	CSB30-V	The drive unit can be moved to any position even afterwards.	CSB30-T		171~2000	

Туре	Shape	Features	Model	Pitch between belts (mm)	Length between pulleys Length between sprockets (mm)	Motor output (W)
Head driven	6	Two rows conveyor with a pulley diameter of $\phi 50$ . Selectable from head driven and middle driven types.	CSB50A	80~300	300~3000	40
Middle driven			CSB50AM	00 300	400~3000	40
Head driven		Two rows conveyor with a pulley diameter of $\phi$ 50. Since it is a timing belt, the belt does not slip. High-precision pitch feed transfer is possible by changing the motor to a servo motor or stepping motor.	CSSK50-T	Belt width (mm) 40,50,75 100,150	400~4000	25 , 40
Head driven		Large two rows conveyor. Supports weight transfer with motor capacities of 60 and 90 W Two types of drive motor mounting shapes are available:	CSB89A-MD	80~500	325~5000	60,90
Two rows	The picture is symmetrical motor mounting position.	A type: Directly connected to the motor A-MD type: Mounted under the motor	CSB89A	80~500	325~5000	60,90

### Plastic chain conveyor

Туре	Shape	Features	Model	Pitch between Chains (mm)	Length between pulleys Length between sprockets (mm)	Motor output (W)
Head driven		Conveyor with a pulley diameter of $\phi 50$ . Since it is a chain type, maintenance such as chain replacement is easy. The belt surface can be selected from a flat type with no perforations	CSSK50-P	Chain width (mm)	400~4000	25 , 40
diveir		and a mesh type with a perforation rate of 25%, and the material can be selected from PP (polypropylene) and POM (polyacetal).		50 , 100 150 , 200		,
Head driven Two rows		Two rows plastic chain conveyor.	CSB50-PP	80~300	300~3000	40
Head driven Two rows		Two rows clip top chain conveyor. A clip top chain is a metal chain with a resin cover attached, and higher transport capacity than plastic chains.	CSB50-PS	80~300	300~3000	40
		Large two rows plastic chain conveyor. Supports weight transfer with motor capacities of 60 and 90 W Two types of drive motor mounting shapes are	CSB89A-PP-MD	80~500	325~5000	60,90
Head driven		available: A type: Directly connected to the motor A-MD type: Mounted under the motor	CSB89A-PP	80~500	325~5000	60,90
Two rows	CSB89A-PP	Large two rows clip top chain conveyor. Supports weight transfer up to 200 kg with motor capacities of 60, 90, 200 W. A clip top chain is a metal chain with a resin cover attached, and higher transport capacity	CSB89A-PS-MD	80~500	325~5000	60,90 200
	The picture is symmetrical motor mounting position.	than plastic chains. Two types of drive motor mounting shapes are available: A type: Directly connected to the motor A-MD type: Mounted under the motor	CSB89A-PS	80~500	325~5000	60 , 90 200
Head driven Two rows		A conveyor with an original cover attached to a metal chain. The cover material can be selected from standard type and conductive type.	CSQ69	80~500	325~5000	60,90
Head driven Two rows		Two rows plastic chain conveyor specialized for use in the area of processing machines. Equipped as standard with a cover that protects the motor from cutting oil and a motor with a large terminal box. Effective for transporting workpieces with protrusions on the back surface of the workpiece, as there is no protrusion of the frame inside the chain. Since the tension of the transport chain is provided on the drive unit side, chain maintenance is easy even if the driven side is inserted into the processing machine.	CSQ113K	24~100	300~3000	90

# List of product specifications

### Roller chain conveyor

Туре	Shape	Features	Model	Chain width (mm)	Length between sprockets (mm)	Motor output (W)
Head driven		The large top roller chain conveyor with two rows. Efficient to accumulate work by using the top roller. Supports weight transport with 60, 90, 200W power motors.  The shape of the transmission motor is prepared	CSP61A-MD	Two rows specification Pitch between chains $80 \sim 500$	325~5000	60 90 200
Two rows	The picture is symmetrical motor mounting position.	in 2 types: Type A: Direct connection to the motor Type A-MD: Mounted below the motor	CSP61A	Two rows specification Pitch between chains 80~500	325~5000	60 90 200
Head driven		The large double-speed chain conveyor with two rows. Efficient for high speed transport using dual speed chains. Supports weight transport with 60, 90, 200W power motors. The shape of the transmission motor is prepared	CSW62A-MD	Two rows specification Pitch between chains 80~500	325~5000	60 90 200
Two rows	The picture is symmetrical motor mounting position.	The shape of the transmission motor is prepared in 2 types:  Type A: Direct connection to the motor  Type A-MD: Mounted below the motor	CSW62A	Two rows specification Pitch between chains 80~500	325~5000	60 90 200
Head driven		The CSW62 series frame can be changed to a shape that allows the work guide to be directly attached, and the guide can be easily attached. Drive unit motor mounting shape supports only A type: Direct connection to the motor.	CSW62G	Two rows specification Pitch between chains 80~500	325~5000	60 90 200
Head driven Two rows		The large double-speed chain conveyor with two rows. Efficient for high-speed transport of heavy loads using a larger double-speed chain than the CSW62 series. The material of the chain roller can be selected from engineering plastic and steel. With a motor power of 400 W, the steel roller can carry a mass of up to 690 kg.	CSW103	150~500	600~5000	400
Head driven		Conveyor using roller table chain. Effective for accumulating workpieces using a roller table.	CSO89	100 150 200	225~3000	60 90

### Table top chain conveyor

Туре	Shape	Features	Model	Chain pitch Plate width (mm)	Length between sprockets (mm)	Motor output (W)
		Conveyor using a table top chain.  Table top material can be selected from	CSQ86-P	50	225~3000	60 90
		engineering plastics and SUS. The engineering plastic table material is effective for transporting workpieces is easy to scratch, and SUS is effective for transporting	CSQ88-S	63 , 75 100 , 125 150	225~3000	60 90
Head		workpieces with burrs and edges.	CSQ88-P	63 , 75 100 , 125 150	225~3000	60 90
driven	Table top chain conveyor specialized for use in the area of processing machines. Equipped as standard with a cover that protects the motor from cutting oil and a motor with a large terminal box. The tension position of the transport chain can be selected from the drive unit and the driven unit, and chain maintenance is easy even if it is	CSQ88K-S	63 , 100 125 , 150	300~3000	90	
	The picture is symmetrical motor mounting position.	inserted into the processing machine. Table top material can be selected from engineering plastics and SUS. The engineering plastic table material is effective for transporting workpieces is easy to scratch, and SUS is effective for transporting workpieces with burrs and edges.	CSQ88K-P	82 , 114 190	300~3000	90

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