



# Roller conveyor

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SK series

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# Roller conveyor Information



**Maximum performance for the intralogistics!**

**Maximum flexibility!**

**High quality modules!**



# The SG roller conveyor

## Maximum performance for your intralogistics challenges

Our SK range of roller conveyors has been designed to help you master your challenges.

We are specialists when it comes to transporting and lifting parts, workpieces and small load carriers. With our roller conveyors, belt conveyors and transfer systems, as well as KLT (Small Load Carrier) lifts, we have the right solution for every need.

### Perfectly matched modules

One of the decisive advantages of our roller conveyor is the modular building block principle, with the help of which complex conveyor systems can be expanded in almost any manner. In this way, you can adapt your transport processes very flexibly to the spatial conditions and, if necessary, convert, expand or retrofit them with accessories.

The system includes straight sections, curves, inward and outward transfer units, both with 24 V drive on request.



# Specifications and modules at a glance

## Roller conveyor without drive

On the roller conveyor without drive, products can be transported manually by hand or by gravity with a gradient.

## Roller conveyor with drive

The roller conveyor with drive is characterised by particularly low noise and economical conveyance. By connecting PLCs, for example, the roller conveyor offers maximum flexibility.

## Roller conveyor with drive and zone function

The internal control of the roller conveyor with drive and zone function with integrated control card transforms a roller conveyor into an intelligent, self-contained conveyor that assigns each item of transport its own drive zone in the route.

A PLC may be necessary depending on the complexity of the system. As an example, the transported unit (e.g., crate, box) can be stopped at the end of each zone if the subsequent zone is occupied.

## Fundamentals

Round belt drive	
Load capacity	50 kg*
Running speed	3.4 - 101.4 m/min.
Roller width (RW)	420 mm / 620 mm / 820 mm
Roller width with profile	RW + 70 mm
Roller spacing	75 mm / 100 mm
Roller diameter	50 mm
Roller options	<ul style="list-style-type: none"> <li>▪ Rollers without notch (without drive)</li> <li>▪ Rollers with notch (for round belt drive)</li> <li>▪ Rollers with friction lining and notch (for round belt drive)</li> <li>▪ Tapered rollers (curve module)</li> </ul>
Fixing the rollers	<ul style="list-style-type: none"> <li>▪ Hexagonal shaft (spring axle)</li> <li>▪ Steel shaft with internal thread M8 x 15 mm</li> </ul>

\*The max. load capacity depends on the combination of speed and load.

# Standard modules of the SK range

## Roller conveyor

**Selection:**

- Without drive
- 24 V drive (with or without zone function)

-> One drive roller + max. 11 driven rollers



## Curve

**Selection:**

- Without drive
- 24 V drive (with or without zone function)

-> One drive roller with the exception of the 90° curve (2 drive rollers)

**Angle options:** 30° / 45° / 60° / 90°

Fixed roller spacing: 75 mm



## Inward and outward transfer unit

**Selection:**

- Without drive
- 24 V drive (with or without zone function)

**Angle options:** 30° / 45°

Fixed roller spacing: 75 mm



# Optional modules of the SK range

## Lateral transport 90°

- Angle 90°
- Transport speed 0.1 - 1.2 m/s
- Stroke time 0.3 m/sec.
- Load capacity 40 kg\*
- Belt material: Support belt with high friction

For straight routes, the lateral transport can be placed anywhere.



## Deflection system 30° / 45°

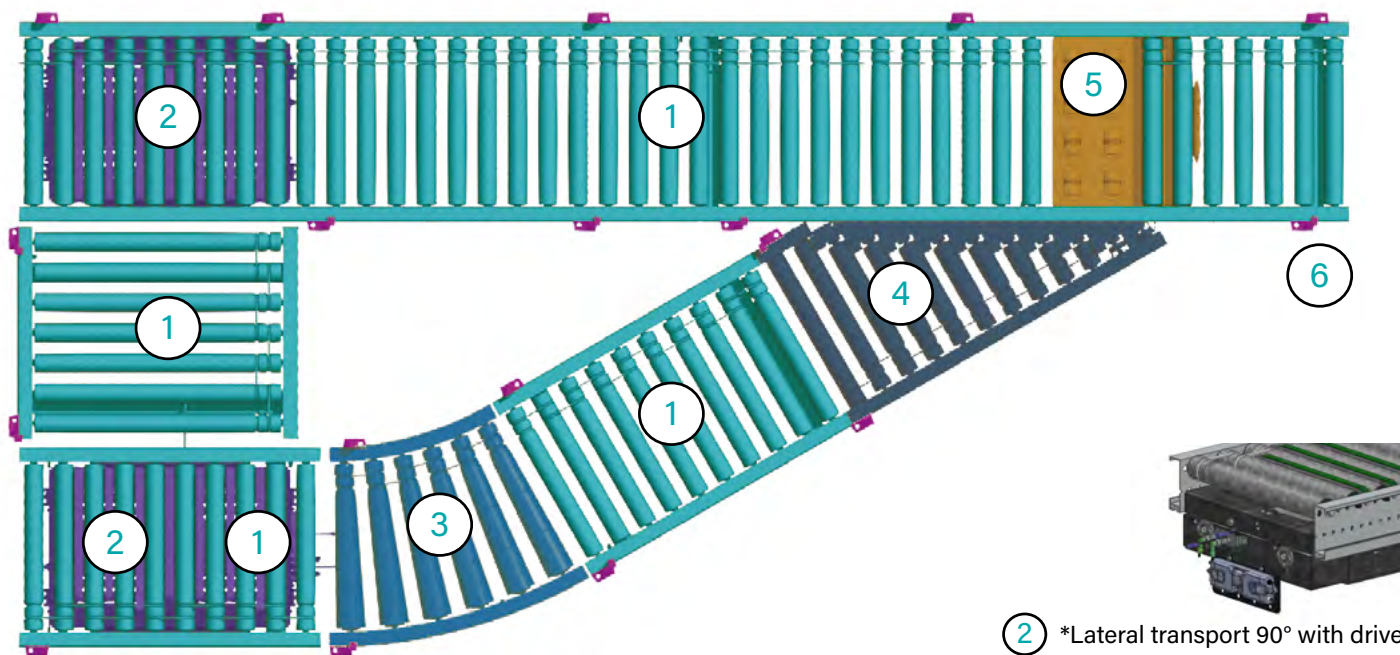
- Outlet angle 30° / 45°
- Outlet left and/or right
- Double row idler pulleys
- Transport speed 0.1 - 1.2 m/s
- Deflection time 0.3 m/sec.

For straight routes, the deflection system can be placed anywhere.



\*The max. load capacity depends on the combination of speed and load.

# Circulation of a roller conveyor system



Position	Designation
1	Roller conveyor with drive and zone function
2	Lateral transport 90° with drive
3	Curve 30° with drive and zone function
4	Inward and outward transfer 30° with drive
5	Deflection system
6	Sensor with opposite reflector



# syskomp gehmeyr

## Your reliable partner for over 50 years

We have been writing success stories at the syskomp Group for over 50 years.

What began in 1960 as a purely trading business, has developed into an expert for flexible and customised solutions for assembly equipment and provider of industrial automation.

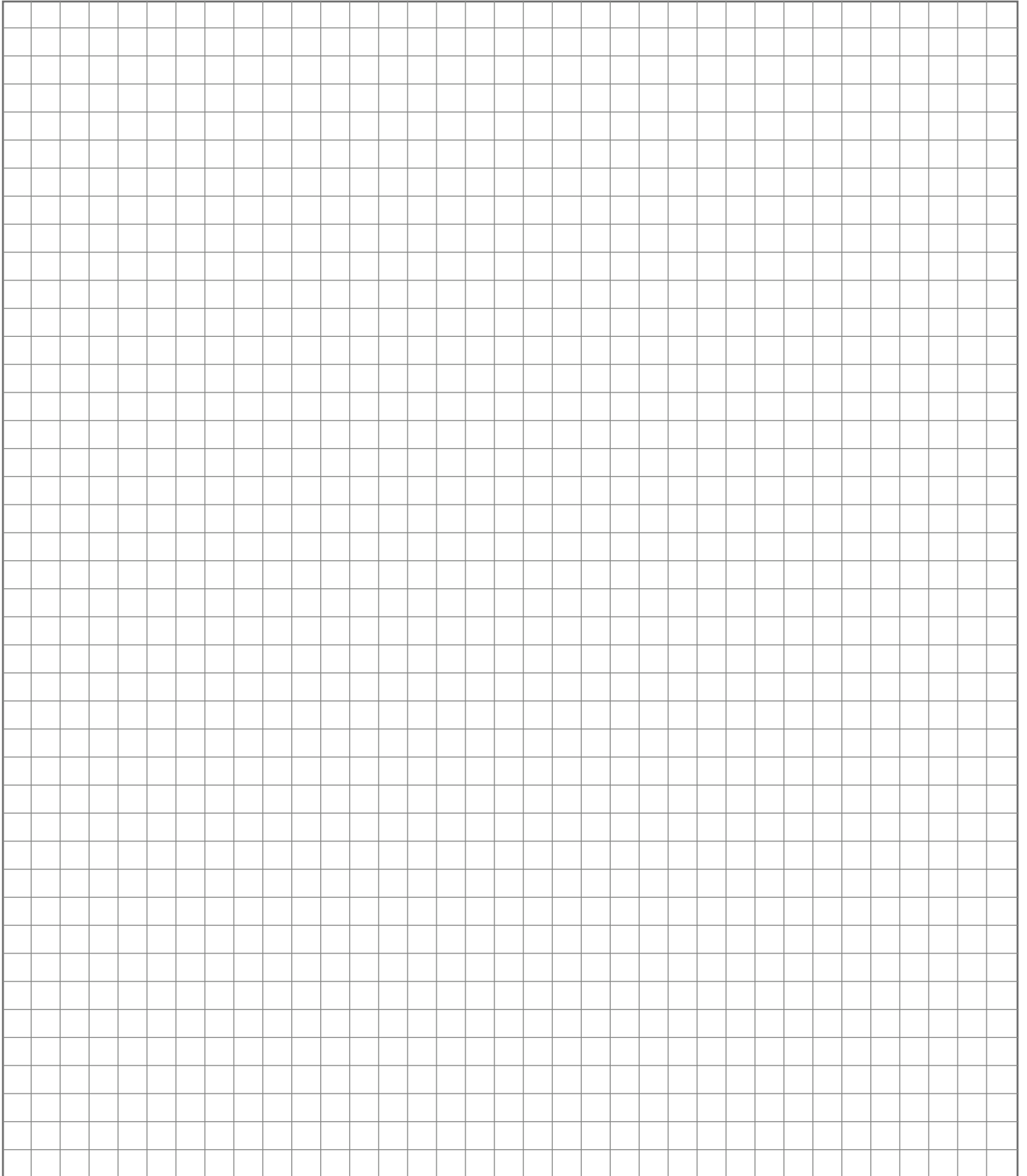
The Group includes syskomp gehmeyr GmbH with its headquarters in Amberg, our facilities in Regensburg and Medingen, the emico business division in Amberg and bfm GmbH in Wöllersdorf (Austria).

In order to best serve our customers, we demand of ourselves the greatest reliability and maximum skills. Our holistic business approach ensures that optimum processes are developed individually for each customer application. From the beginning of the project to handing over, we are a competent contact partner for our customers in all the project phases – from initial consulting up to successful commissioning.



*Headquarters of the syskomp Group, Amberg*

# Your notes



# Roller conveyor

## Technical Specifications | Order configuration



**Rugged industrial technology!**

**Profile system compatible!**

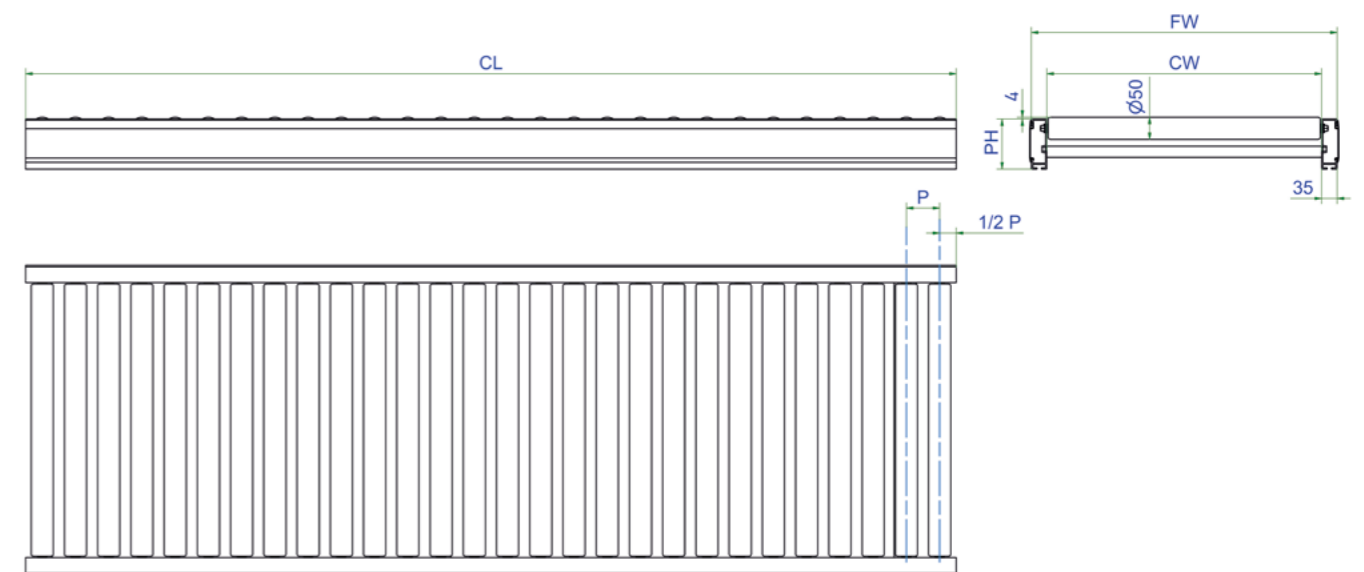
**Overview of modules!**

# SKNDS

## Straight route without drive

General data	
Max. load capacity	Max. 50 kg*
Ambient temperature	0° to 40° C
Humidity	≤ 90 % (no condensation)
Noise level	< 70 dB Noise level may vary due to ambient conditions
Installation site	Indoor
Slope/gradient	Not suitable
Roller properties	
Roller diameter	Dia. 50 mm
Roller material	Steel, galvanised
Ball bearings of the rollers	Precision ball bearings 6202
Dimensions	
CW (conveyor width)	420, 620 and 820 mm
FW (frame width)	CW + 70 mm
P (roller spacing)	75 mm or 100 mm
CL (conveyor length)	Max. 3,000 mm (conveyor length must be divisible by the roller spacing)
PH (profile height)	113 mm (+ 4 mm projection of the rollers)

\*The max. load capacity depends on the combination of speed and load.



### Configurator

Non driven - straight	Serie	Type	Options	Width [CW]	Roller spacing [P]	Length [CL]
	SK	ND = Non driven	S = Straight	420 mm	75 mm	300 - 3,000 mm
				620 mm	100 mm	
				820 mm		
SKNDS620752700	SK	ND	S	620	75	2700

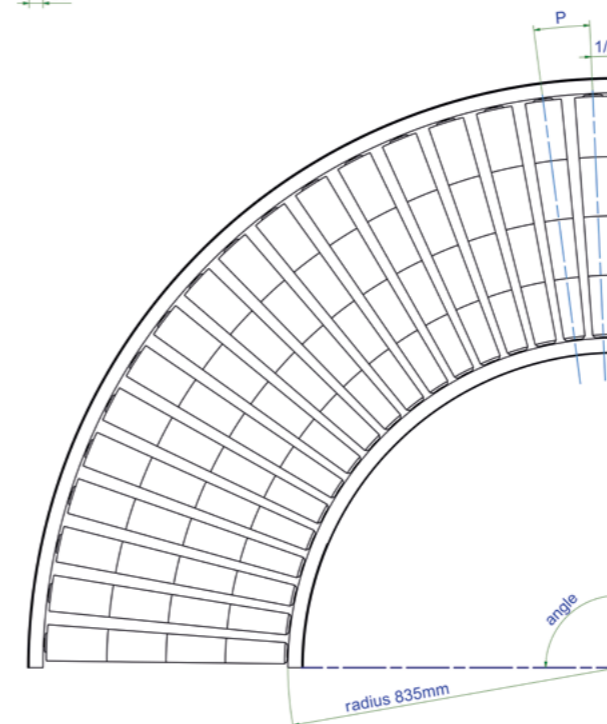
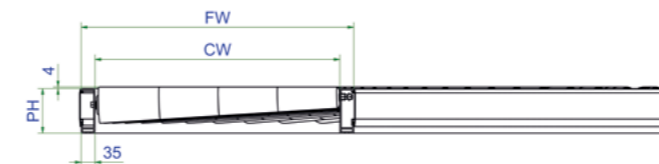


# SKNDC

## Curve without drive

General data	
Max. load capacity	Max. 50 kg*
Ambient temperature	0° to 40° C
Humidity	≤ 90 % (no condensation)
Noise level	< 70 dB Noise level may vary due to ambient conditions
Installation site	Indoor
Slope/gradient	Not suitable
Roller properties	
Roller diameter	Ø 50 mm
Roller material	Steel, galvanised with attached conical plastic roller
Ball bearings of the rollers	Precision ball bearings 6202
Dimensions	
CW (conveyor width)	420, 620 and 820 mm
FW (frame width)	CW + 70 mm
P (roller spacing)	72 mm (arranged in 5° steps)
α angle	30° / 45° / 60° / 90°
PH (profile height)	113 mm (+ 4 mm projection of the rollers)

\*The max. load capacity depends on the combination of speed and load.



### Configurator

Non-driven - curve	Serie	Type	Options	Width [CW]	α angle
	SK	ND = Non driven	C = Curve	420 mm	30°
				620 mm	45°
				820 mm	60°
					90°
SKNDC82045	SK	ND	C	820	45

# SKNDM

## Merge without drive

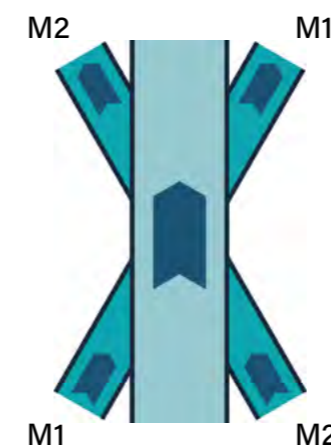
General data	
Max. load capacity	Max. 50 kg*
Ambient temperature	0° to 40° C
Humidity	≤ 90 % (no condensation)
Noise level	< 70 dB Noise level may vary due to ambient conditions
Installation site	Indoor
Slope/gradient	Not suitable
Roller properties	
Roller diameter	Ø 50 mm
Roller material	Steel, galvanised
Ball bearings of the rollers	Precision ball bearings 6202
Dimensions	
CW (conveyor width)	420, 620 and 820 mm
FW (frame width)	CW + 70 mm
P (roller spacing)	75 mm (fixed)
α angle	30° / 45°
AL (angular length)	See table 9.1
PH (profile height)	113 mm (+ 4 mm projection of the rollers)

\*The max. load capacity depends on the combination of speed and load.

### Configurator

Non-driven - Merge	Serie	Type	Options	Width [CW]	α angle
	SK	ND = Non driven	M1 = Merge 1	420 mm	30°
			M2 = Merge 2	620 mm	45°
				820 mm	
				420F*	
				620F*	
				820F*	
SKNDM242030	SK	ND	M2	420*	30

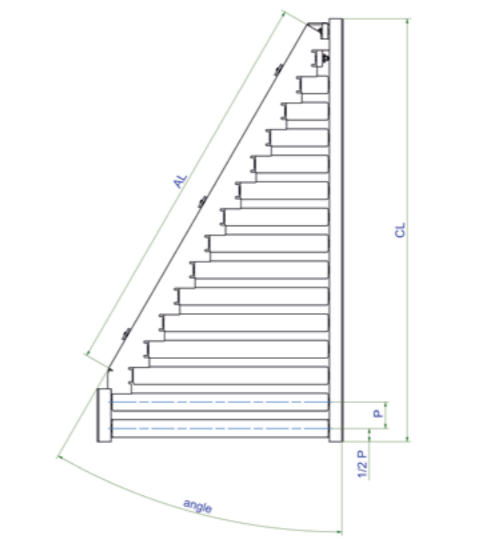
\* = Friction (Rollers with friction) lining



**Selection M1 oder M2**  
The drive rollers can rotate in both directions, so you need to select only option M1 or M2 here.

AL (angular length)			
α angle 30°		α angle 45°	
CW	AL	CW	AL
420	775 mm	420	525 mm
620	1125 mm	620	785 mm
820	1550 mm	820	1100 mm

Table 9.1



# SKDS

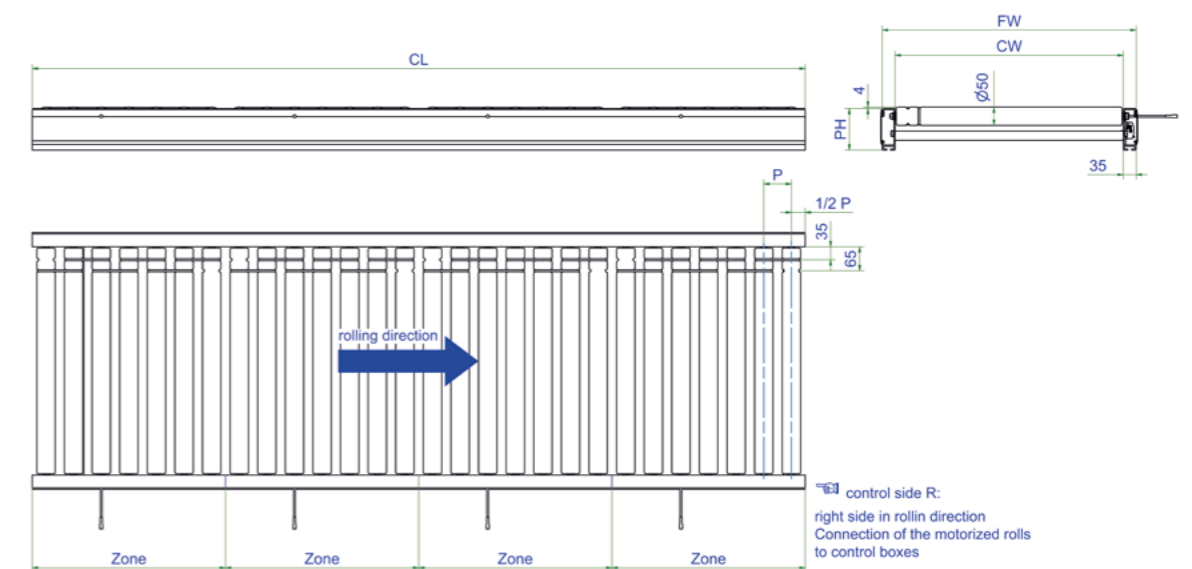
## Straight track with 24 V drive

General data	
Conveyance speed	3.4 - 101.4 m/min.
Max. load capacity	Max. 50 kg*
Ambient temperature	0° to 40° C
Humidity	≤ 90 % (no condensation)
Noise level	< 70 dB Noise level may vary due to ambient conditions
Installation site	Indoor
Slope/gradient	Not suitable
Roller properties	
Roller diameter	Ø 50 mm
Roller material	Steel, galvanised
Ball bearings of the rollers	Precision ball bearings 6202
Power supply and drive	
Voltage	DC24C
Controller	DC24V
Max. power consumption	0.05 kW
Drive method	Round belt Dia. 5 mm
Torque transmission	Roller to roller via round belt
Max. number of gravity rollers per drive	11
Dimensions	
CW (conveyor width)	420, 620 and 820 mm
FW (frame width)	CW + 70 mm
P (roller spacing)	75 mm or 100 mm (fest)
ZL (zone length)	Zone length = number of rollers x roller spacing P (Info: 1 drive roller can drive max. 11 gravity rollers)
CL (conveyor length)	Max. 3,000 mm (conveyor length must be divisible by the roller spacing)
PH (profile height)	113mm (+ 4 mm projection of the rollers)

\*The max. load capacity depends on the combination of speed and load.

### Configurator

24 V Zone - straight	Serie	Type	Options	Width [CW]	Roller spacing [P]	Conveyor length [CL]	Zones	Control side	Speed option
	SK	D = 24 V drive	S = Straight	420 mm	75 mm	300 - 3,000 mm	1 = 1 Drive roller	L = Left	1 = 3.4 - 33.8 m/min
				620 mm	100 mm		2 = 2 Drive rollers	R = Right	2 = 6.0 - 60.8 m/min
				820 mm			3 = 3 Drive rollers		3 = 10.1 - 101.4 m/min
							4 = 4 Drive rollers		
							5 = 5 Drive rollers		
							6 = 6 Drive rollers		
							etc.		
SKDS8201001800-3L2	SK	D	S	820	100	1800	3	L	2

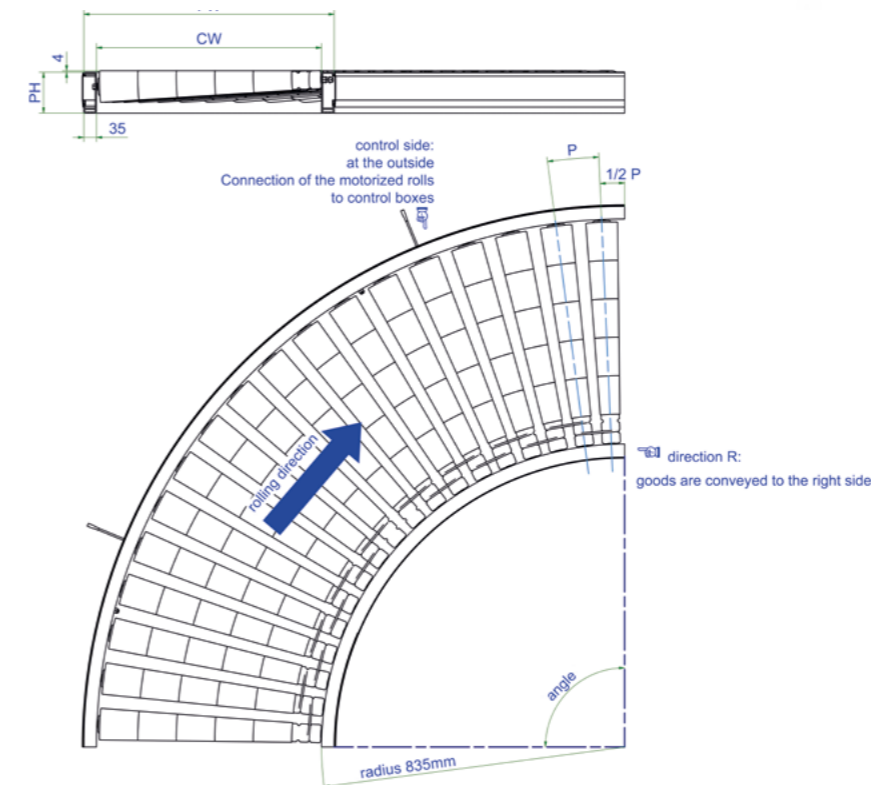
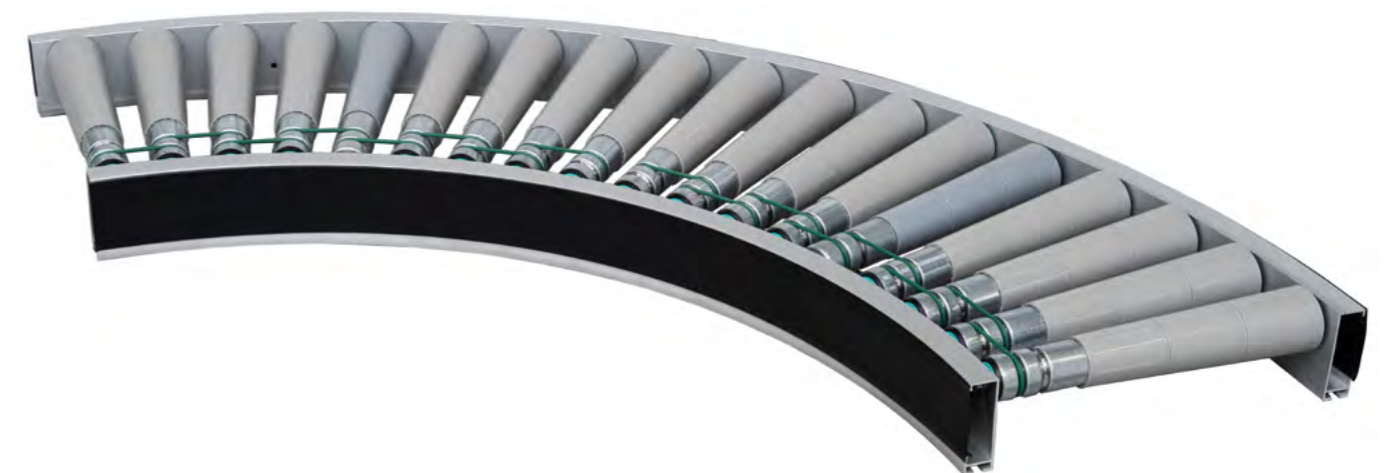


# SKDC

## Curve with 24 V drive

General data	
Conveyance speed	3.4 - 101.4 m/min.
Max. load capacity	Max. 50 kg*
Ambient temperature	0° to 40° C
Humidity	≤ 90 % (no condensation)
Noise level	< 70 dB Noise level may vary due to ambient conditions
Installation site	Indoor
Slope/gradient	Not suitable
Roller properties	
Roller diameter	Ø 50 mm
Roller material	Steel, galvanised with attached conical plastic roller
Ball bearings of the rollers	Precision ball bearings 6202
Power supply and drive	
Voltage	DC24C
Controller	DC24V
Max. power consumption	0.05 kW
Drive method	Round belt Dia. 5 mm
Torque transmission	Roller to roller via round belt
Max. number of gravity rollers per drive	9
Dimensions	
CW (conveyor width)	420, 620 and 820 mm
FW (frame width)	CW + 70 mm
P (roller spacing)	72 mm (arranged in 5° steps)
α angle	30° / 45° / 60° / 90°
PH (profile height)	113 mm (+ 4 mm projection of the rollers)

\*The max. load capacity depends on the combination of speed and load.



### Configurator

24 V Zone - Curve	Serie	Type	Options	Width [CW]	α angle	Direction	Speed option
	SK	D = 24 V drive	C = Curve	420 mm	30°	L = Left	1 = 3.4 - 33.8 m/min
				620 mm	45°	R = Right	2 = 6.0 - 60.8 m/min
				820 mm	60°		3 = 10.1 - 101.4 m/min
					90°		
SKDC42060L-1	SK	D	C	420	60	L	1



# SKDM

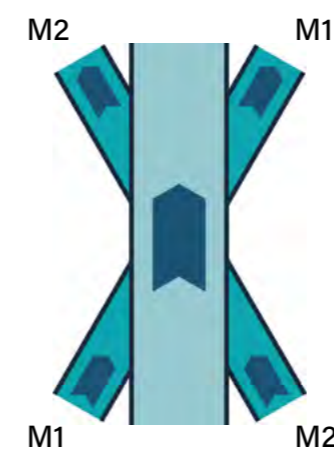
## Merge mit Antrieb 24 V

General data	
Conveyance speed	3.4 - 101.4 m/min.
Max. load capacity	Max. 50 kg*
Ambient temperature	0° to 40° C
Humidity	≤ 90 % (no condensation)
Noise level	< 70 dB Noise level may vary due to ambient conditions
Installation site	Indoor
Slope/gradient	Not suitable
Roller properties	
Roller diameter	Ø 50 mm
Roller material	Steel, galvanised
Ball bearings of the rollers	Precision ball bearings 6202
Power supply and drive	
Voltage	DC24C
Controller	DC24V
Max. power consumption	0.05 kW
Drive method	Round belt Dia. 5 mm
Torque transmission	Roller to roller via round belt
Max. number of gravity rollers per drive	11
Dimensions	
CW (conveyor width)	420, 620 and 820 mm
FW (frame width)	CW + 70 mm
P (roller spacing)	75 mm (fixed)
α angle	30° / 45°
AL (angular length)	See table 9.1
PH (profile height)	113 mm (+ 4 mm projection of the rollers)

\*The max. load capacity depends on the combination of speed and load.

### Configurator

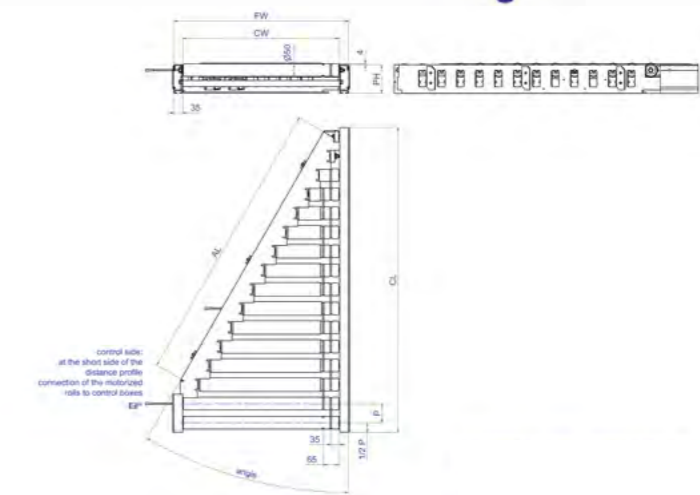
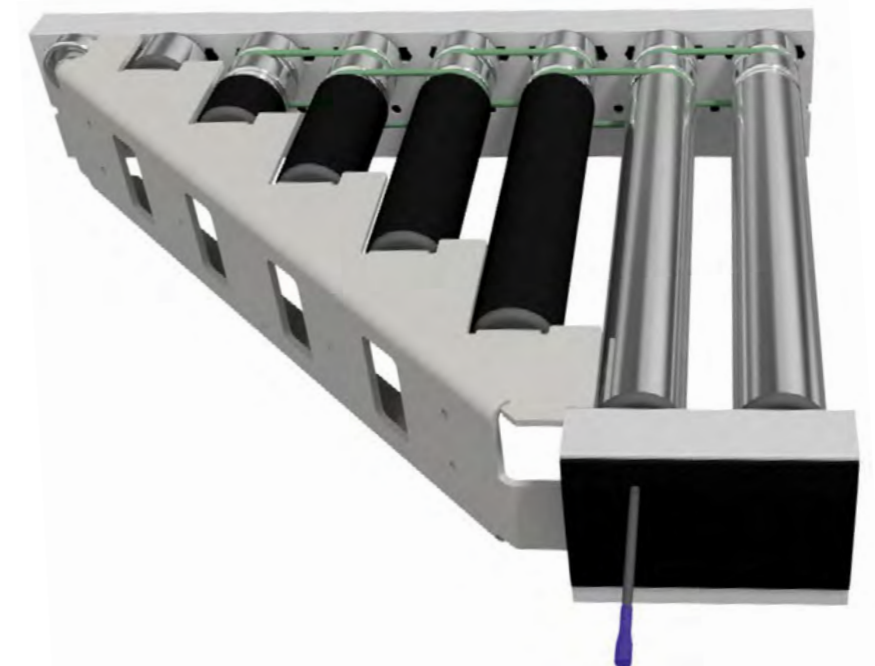
24 V Zone - Merge	Serie	Type	Options	Width [CW]	α angle	Speed option
	SK	D = 24 V drive	M1 = Merge 1 M2 = Merge 2	420 mm 620 mm 820 mm 420F* 620F* 820F*	30° 45°	1 = 3.4 - 33.8 m/min 2 = 6.0 - 60.8 m/min 3 = 10.1 - 101.4 m/min
SKDM1420F45-3	SK	D	M1	420F*	45	3



**Selection M1 or M2**  
The drive rollers can rotate in both directions, so you need to select only option M1 or M2 here.

AL (angular length)			
α angle 30°		α angle 45°	
CW	AL	CW	AL
420	775 mm	420	525 mm
620	1125 mm	620	785 mm
820	1550 mm	820	1100 mm

Table 9.1



\* = Friction (Rollers with friction) lining)

# SKZS

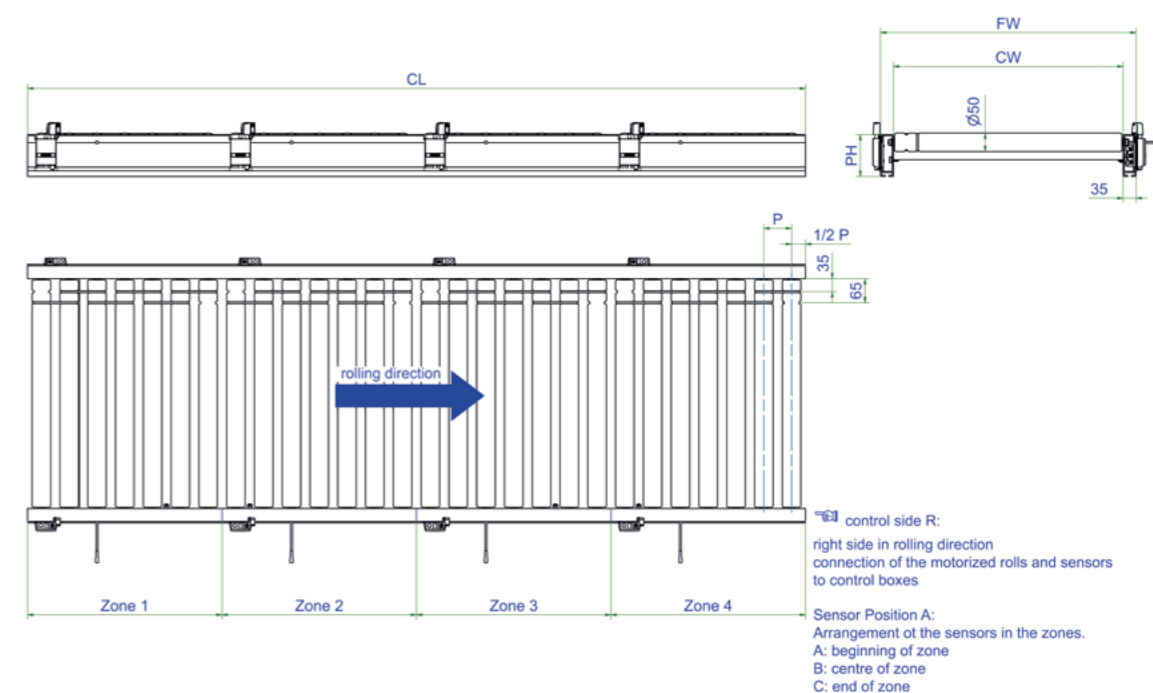
## Straight track with 24 V drive and zone function

General data	
Conveyance speed	3.4 - 101.4 m/min.
Max. load capacity	Max. 50 kg*
Ambient temperature	0° to 40° C
Humidity	≤ 90 % (no condensation)
Noise level	< 70 dB Noise level may vary due to ambient conditions
Installation site	Indoor
Slope/gradient	Not suitable
Roller properties	
Roller diameter	Ø 50 mm
Roller material	Steel, galvanised
Ball bearings of the rollers	Precision ball bearings 6202
Power supply and drive	
Voltage	DC24C
Controller	DC24V
Max. power consumption	0.05 kW
Drive method	Round belt Dia. 5 mm
Torque transmission	Roller to roller via round belt
Max. number of gravity rollers per drive	11
Dimensions	
CW (conveyor width)	420, 620 and 820 mm
FW (frame width)	CW + 70 mm
P (roller spacing)	75 mm or 100 mm
ZL (zone length)	Zone length = number of rollers x roller spacing P (Info: 1 drive roller can drive max. 11 gravity rollers)
CL (conveyor length)	Max. 3,000 mm (conveyor length must be divisible by the roller spacing)
PH (profile height)	113 mm (+ 4 mm projection of the rollers)

\*The max. load capacity depends on the combination of speed and load.

### Configurator

24 V Zone - Straight	Serie	Type	Options	Width [CW]	Roller spacing [P]	Conveyor length [CL]	Zones	Control side	Speed option	Sensor Position [SP]
	SK	Z = 24 V Zone	S = Straight	420 mm	75 mm	300 - 3,000 mm	1 = 1 Drive roller	L = Left	1 = 3.4 - 33.8 m/min	A (start zone) = SPA
				620 mm	100 mm		2 = 2 Drive rollers	R = Right	2 = 6.0 - 60.8 m/min	B (middle zone) = SPB
				820 mm			3 = 3 Drive rollers		3 = 10.1 - 101.4 m/min	C (end zone) = SPC
							4 = 4 Drive rollers			
							5 = 5 Drive rollers			
							6 = 6 Drive rollers			
							Etc.			
SKZS820752250-3L2SPC	SK	Z	S	820	75	2250	3	L	2	SPC

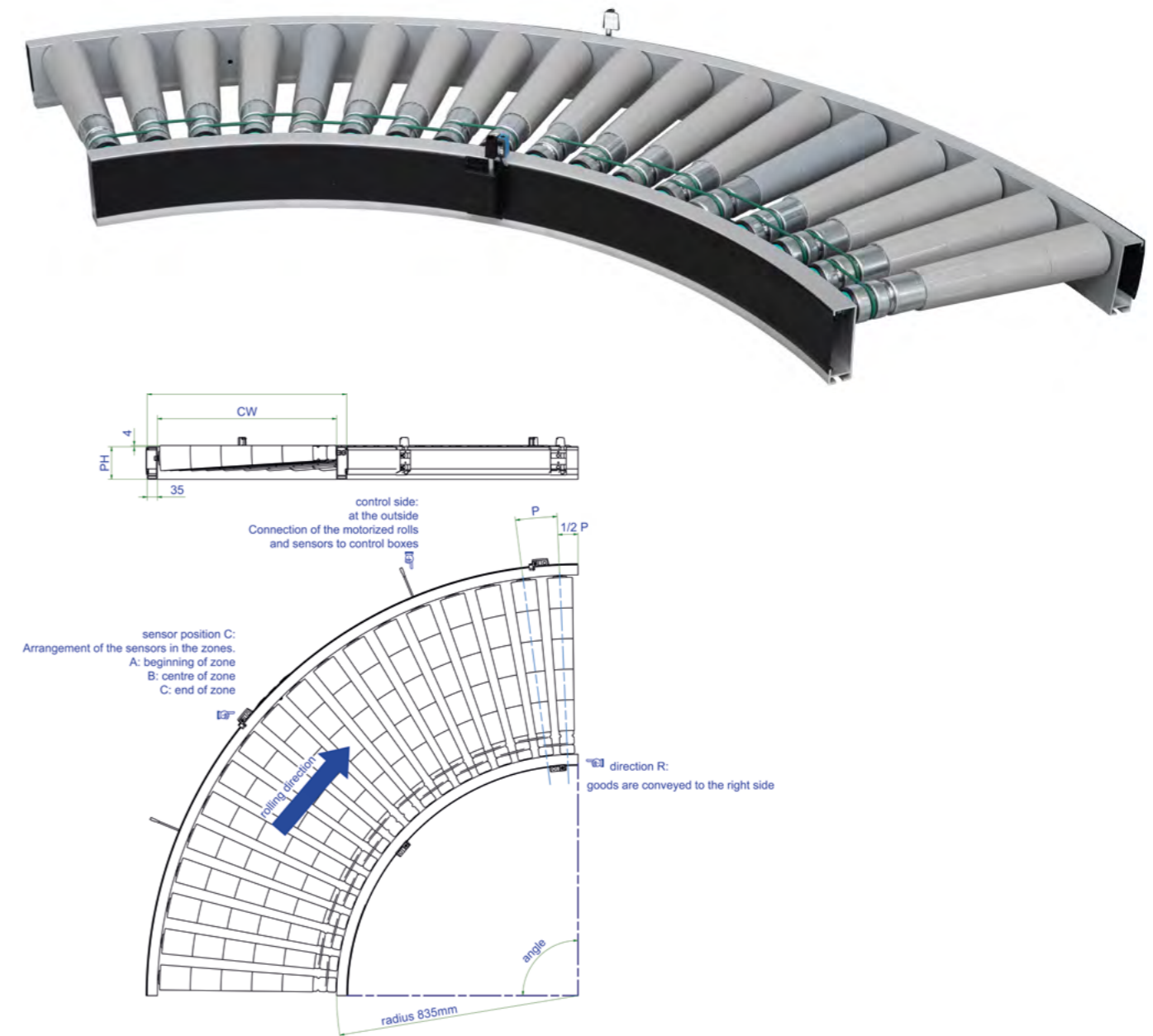


# SKZC

## Curve with 24 V drive and zone function

General data	
Conveyance speed	3.4 - 101.4 m/min.
Max. load capacity	Max. 50 kg*
Ambient temperature	0° to 40° C
Humidity	≤ 90 % (no condensation)
Noise level	< 70 dB Noise level may vary due to ambient conditions
Installation site	Indoor
Slope/gradient	Not suitable
Roller properties	
Roller diameter	Ø 50 mm
Roller material	Steel, galvanised with attached conical plastic roller
Ball bearings of the rollers	Precision ball bearings 6202
Power supply and drive	
Voltage	DC24C
Controller	DC24V
Max. power consumption	0.05 kW
Drive method	Round belt Dia. 5 mm
Torque transmission	Roller to roller via round belt
Max. number of gravity rollers per drive	9
Dimensions	
CW (conveyor width)	420, 620 and 820 mm
FW (frame width)	CW + 70 mm
P (roller spacing)	72 mm (arranged in 5° steps)
α angle	30° / 45° / 60° / 90°
PH (profile height)	113 mm (+ 4 mm projection of the rollers)

\*The max. load capacity depends on the combination of speed and load.



### Configurator

24 V Zone - Curve	Serie	Type	Options	Width [CW]	α angle	Direction	Zone	Control side	Speed option	Sensor position [SP]
	SK	Z = 24 V Zone	C = Curve	420 mm	30°	L = Left	No option	No option	1 = 3.4 - 33.8 m/min	SPA = Sensor Position A
				620 mm	45°	R = Right			2 = 6.0 - 60.8 m/min	SPB = Sensor Position B
				820 mm	60°				3 = 10.1 - 101.4 m/min	SPC = Sensor Position C
					90°					
SKZC62090R-1SPB	SK	Z	C	620	90	R			1	SPB

# SKZM

## Merge with 24 V drive and zone function

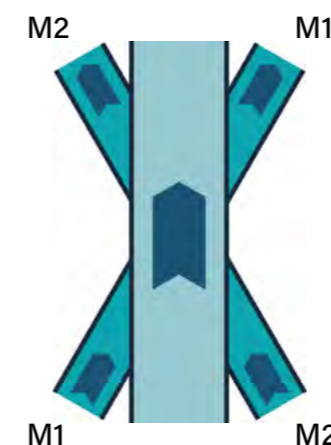
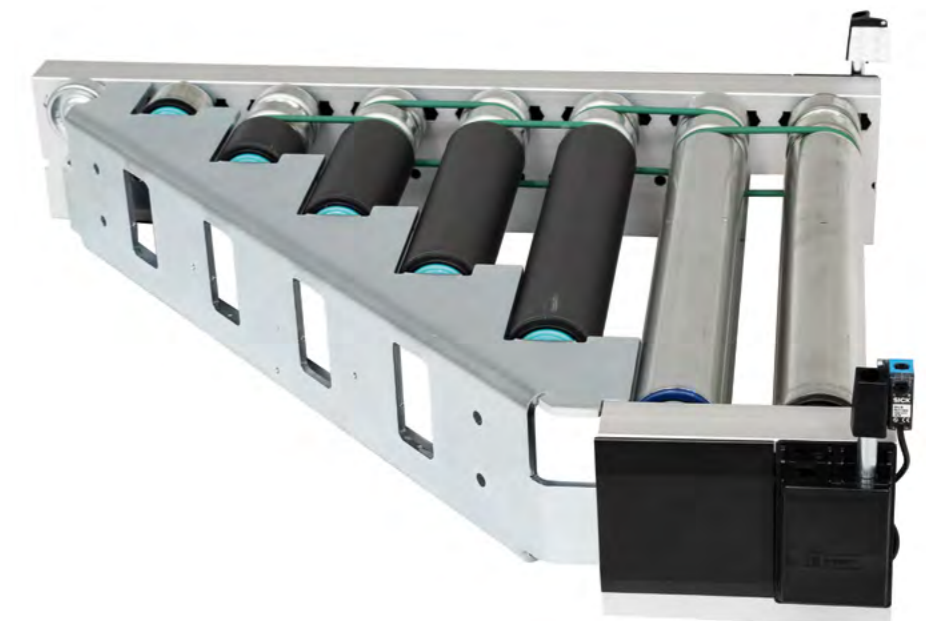
General data	
Conveyance speed	3.4 - 101.4 m/min.
Max. load capacity	Max. 50 kg*
Ambient temperature	0° to 40° C
Humidity	≤ 90 % (no condensation)
Noise level	< 70 dB Noise level may vary due to ambient conditions
Installation site	Indoor
Slope/gradient	Not suitable
Roller properties	
Roller diameter	Ø 50 mm
Roller material	Steel, galvanised
Ball bearings of the rollers	Precision ball bearings 6202
Power supply and drive	
Voltage	DC24C
Controller	DC24V
Max. power consumption	0.05 kW
Drive method	Round belt Dia. 5 mm
Torque transmission	Roller to roller via round belt
Max. number of gravity rollers per drive	11
Dimensions	
CW (conveyor width)	420, 620 and 820 mm
FW (frame width)	CW + 70 mm
P (roller spacing)	75 mm (fixed)
α angle	30° / 45°
AL (angular length)	See table 9.1
PH (profile height)	113 mm (+ 4 mm projection of the rollers)

\*The max. load capacity depends on the combination of speed and load.

### Configurator

24 V Zone - Merge	Serie	Type	Options	Width [CW]	α angle	Direction	Zone	Control side	Speed option
	SK	Z = 24 V Zone	M1 = Merge 1	420 mm	30°	No option	No option	No option	1 = 3.4 - 33.8 m/min
			M2 = Merge 2	620 mm	45°				2 = 6.0 - 60.8 m/min
				820 mm					3 = 10.1 - 101.4 m/min
				420F*					
				620F*					
				820F*					
SKZM1820F30-3	SK	Z	M1	820F*	30				3

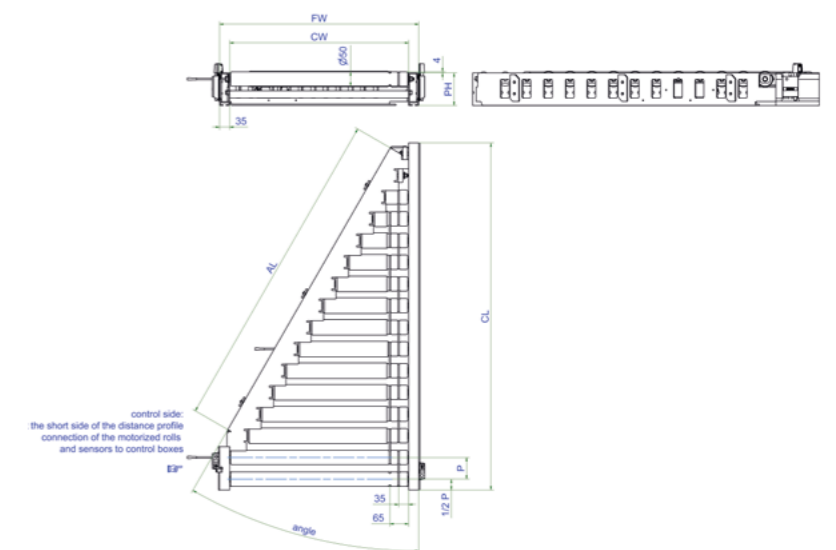
\* = Friction (Rollers with friction) lining)



**Selection M1 or M2**  
The drive rollers can rotate in both directions, so you need to select only option M1 or M2 here.

AL (angular length)			
α angle 30°		α angle 45°	
CW	AL	CW	AL
420	775 mm	420	525 mm
620	1125 mm	620	785 mm
820	1550 mm	820	1100 mm

Table 9.1





# SKDB

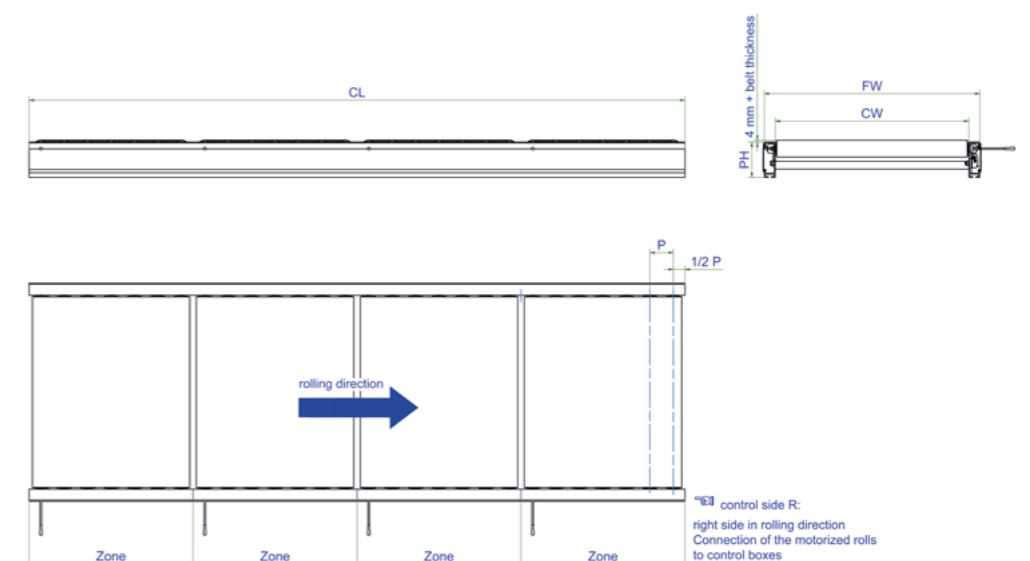
## Belt conveyor with drive 24 V

General data	
Conveyance speed	3.4 - 101.4 m/min.
Max. load capacity	Max. 50 kg*
Ambient temperature	0° to 40° C
Humidity	≤ 90 % (no condensation)
Noise level	< 70 dB Noise level may vary due to ambient conditions
Installation site	Indoor
Slope/gradient	Not suitable
Roller properties	
Roller diameter	Ø 50 mm
Roller material	Steel, galvanised
Ball bearings of the rollers	Precision ball bearings 6202
Power supply and drive	
Voltage	DC24C
Controller	DC24V
Max. power consumption	0.05 kW
Drive method	Endless welded PVC belt black (other versions on request)
Torque transmission	Belt over roller with wedge guide on inside of the belt
Max. number of gravity rollers per drive	11
Dimensions	
CW (conveyor width)	420, 620 and 820 mm
FW (frame width)	CW + 70 mm
P (roller spacing)	75 mm or 100 mm
ZL (zone length)	Zone length = number of rollers x roller spacing P (Info: 1 drive roller can drive max. 11 gravity rollers)
CL (conveyor length)	Max. 3,000 mm (conveyor length must be divisible by the roller spacing)
PH (profile height)	113 mm (+ 4 mm projection of the rollers)

\*The max. load capacity depends on the combination of speed and load.

### Configurator

24 V Drive belt - Straight	Serie	Type	Options	Width [CW]	Roller spacing [P]	Conveyor length [CL]	Zones	Control side	Speed option
	SK	DB = 24 V Drive belt	S = Straight	420 mm	75 mm	300 - 3,000 mm	1 = 1 Drive roller	L = Left	1 = 3.4 - 33.8 m/min
				620 mm	100 mm		2 = 2 Drive rollers	R = Right	2 = 6.0 - 60.8 m/min
				820 mm			3 = 3 Drive rollers		3 = 10.1 - 101.4 m/min
							4 = 4 Drive rollers		
							5 = 5 Drive rollers		
							6 = 6 Drive rollers		
						Etc.			
SKDBS62075900-1L3	SK	DB	S	620	75	900	1	L	3



# SKZB

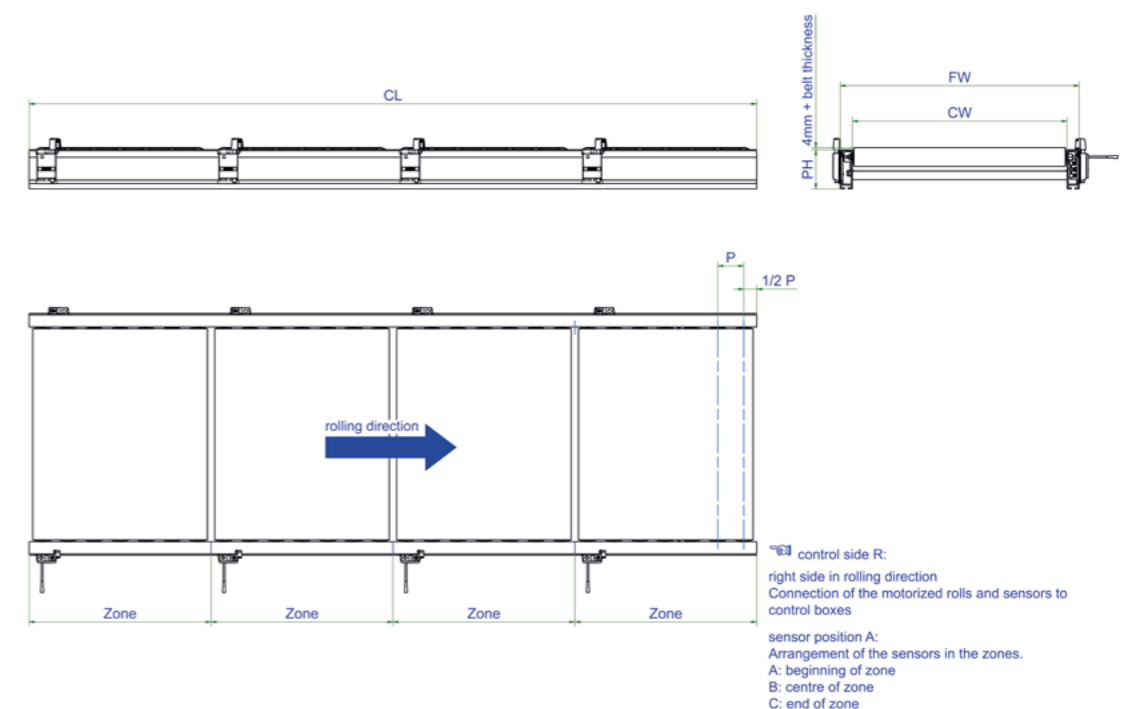
## Belt conveyor with 24 V drive and zone function

General data	
Conveyance speed	3.4 - 101.4 m/min.
Max. load capacity	Max. 50 kg*
Ambient temperature	0° to 40° C
Humidity	≤ 90 % (no condensation)
Noise level	< 70 dB Noise level may vary due to ambient conditions
Installation site	Indoor
Slope/gradient	Not suitable
Roller properties	
Roller diameter	Ø 50 mm
Roller material	Steel, galvanised
Ball bearings of the rollers	Precision ball bearings 6202
Power supply and drive	
Voltage	DC24C
Controller	DC24V
Max. power consumption	0.05 kW
Drive method	Endless welded PVC belt black (other versions on request)
Torque transmission	Belt over roller with wedge guide on inside of the belt
Max. number of gravity rollers per drive	11
Dimensions	
CW (conveyor width)	420, 620 and 820 mm
FW (frame width)	CW + 70 mm
P (roller spacing)	75 mm or 100 mm
ZL (zone length)	Zone length = number of rollers x roller spacing P (Info: 1 drive roller can drive max. 11 gravity rollers)
CL (conveyor length)	Max. 3,000 mm (conveyor length must be divisible by the roller spacing)
PH (profile height)	113 mm (+ 4 mm projection of the rollers)

\*The max. load capacity depends on the combination of speed and load.

### Configurator

24 V Zone belt - Straight	Serie	Type	Options	Width [CW]	Roller spacing [P]	Conveyor length [CL]	Zones	Control side	Speed option	Sensor position [SPA]
	SK	ZB = 24 V Zone belt	S = Straight	420 mm	75 mm	300 - 3,000 mm	1 = 1 Drive roller	L = Left	1 = 3.4 - 33.8 m/min	SPA = Sensor position A
				620 mm	100 mm		2 = 2 Drive rollers	R = Right	2 = 6.0 - 60.8 m/min	SPB = Sensor position B
				820 mm			3 = 3 Drive rollers		3 = 10.1 - 101.4 m/min	SPC = Sensor position C
							4 = 4 Drive rollers			
							5 = 5 Drive rollers			
							6 = 6 Drive rollers			
							Etc.			
SKZBS8201003000-5L1SPB	SK	ZB	S	820	100	3000	5	L	1	SPB



# SKRAT

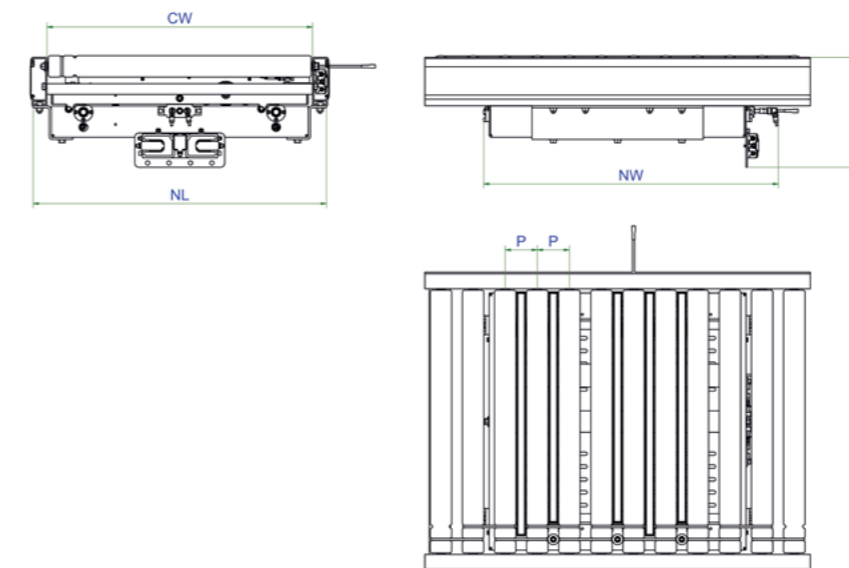
## Lateral transport 90° with drive 24 V

General data	
Lifting speed	0.3 m/s
Max. load capacity	40 kg*
Ambient temperature	0° to 40° C
Humidity	≤ 90 % (no condensation)
Noise level	< 70 dB Noise level may vary due to ambient conditions
Installation site	Indoor
Power supply and drive	
Voltage	DC24C
Controller	DC24V Conveylinx Ai2
Max. power consumption	0.05 kW
Drive roller, stroke	DC24V BG400000550-__
Drive roller material, stroke	Steel, galvanised with eccentric lifting roller
Cassette drive roller	DC24V BG40004525-__
Cassette drive roller material	Steel, galvanised with friction coating
Belt material of transport belt	Belt with high friction
Dimensions	
Nominal width	689 mm
Nominal length	CW + 65 mm
Nominal height	257 mm
α angle	90°
Suitable for the following roller spacings	75 mm or 100 mm
Number of cassettes with a roller pitch of 75 mm	Max. 5 cassettes
Number of cassette slots for 75 mm	7 positions possible
Number of cassettes with a roller pitch of 100 mm	Max. 5 cassettes
Number of cassette slots for 100 mm	6 positions possible
Lifting height	Lifting path = 14 mm (the unit load is lifted over the rollers by 10 mm)

\*The max. load capacity depends on the combination of speed and load.

### Configurator

24 V Rive angle transfer	Serie	Type	Width [CW]	Roller spacing [P]	Zones	Cassette position	Speed option
	SK	RAT = Right angle transfer	420 mm	75 mm	1 = 1 transfer cassette	POS 1;2;3;4;5;6;7 (Pitch 75)	1 = 3.4 - 33.8 m/min
			620 mm	100 mm	2 = 2 transfer cassette	POS 1;2;3;4;5;6;7 (Pitch 100)	2 = 6.0 - 60.8 m/min
			820 mm		3 = 3 transfer cassette		
					4 = 4 transfer cassette		
					5 = 5 transfer cassette		
SKRAT820100-4POS13571	SK	RAT	820	100	4	POS1357	1

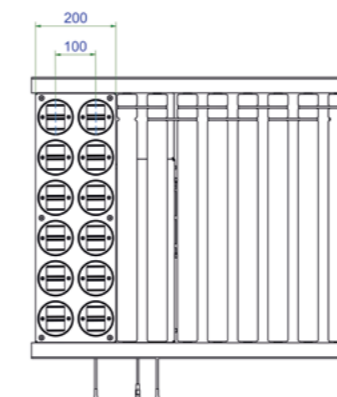
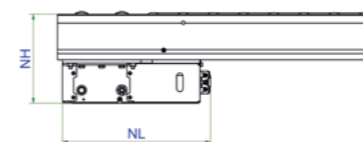
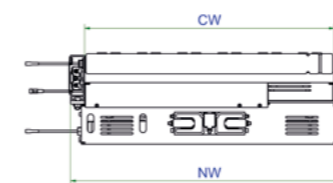


# SKMAD

## Deflection system with drive 24 V

General data	
Swivel speed	0.3 m/s
Max. load capacity	40 kg*
Ambient temperature	0° to 40° C
Humidity	≤ 90 % (no condensation)
Noise level	< 70 dB Noise level may vary due to ambient conditions
Installation site	Indoor
Rollen properties	
Roller diameter	Ø 50 mm
Roller material	Galvanised steel with Poly-V
Built-in ball bearing	Precision ball bearing 6202
Power supply and drive	
Voltage	DC24V
Controller	DC24V Conveylinx Ai2
Max. power consumption	0.05 kW
Wheel assembly drive roller	DC24V BG40003420-_- / BG40003620-_- / BG40003820-_-
Drive roller material	Galvanised steel with Poly-V
Drive medium for roller	ConveyXonic PJ 336 2rib
Drive medium for wheel unit	Round belt Dia. 5 mm
Swivel drive	DC24V BG40070018 - PGD024-SE2-67AAA
Gearbox	Varvel RS-28 7:1 AC14
Dimensions	
CW (conveyor width)	420, 620 and 820 mm
Nominal width	CW + 70 mm
Nominal height	227 mm
Nominal length	370 mm
α angle	-45° / -30° / 0° / +30° / +45°
P (roller spacing)	100 mm

\*The max. load capacity depends on the combination of speed and load.



### Configurator

24 V Mult-angle diverter	Serie	Type	Width [CW]	α-angle	Direction	Speed option
	SK	MAD = Multi angle diverter	420 mm	30°	L = Left and straight	1 = 3.4 - 33.8 m/min
			620 mm	45°	R = Right and straight	2 = 6.0 - 60.8 m/min
			820 mm		LR = Left and right	3 = 10.1 - 101.4 m/min
SKMAD62045LR-2	SK	MAD	620	45	LR	2

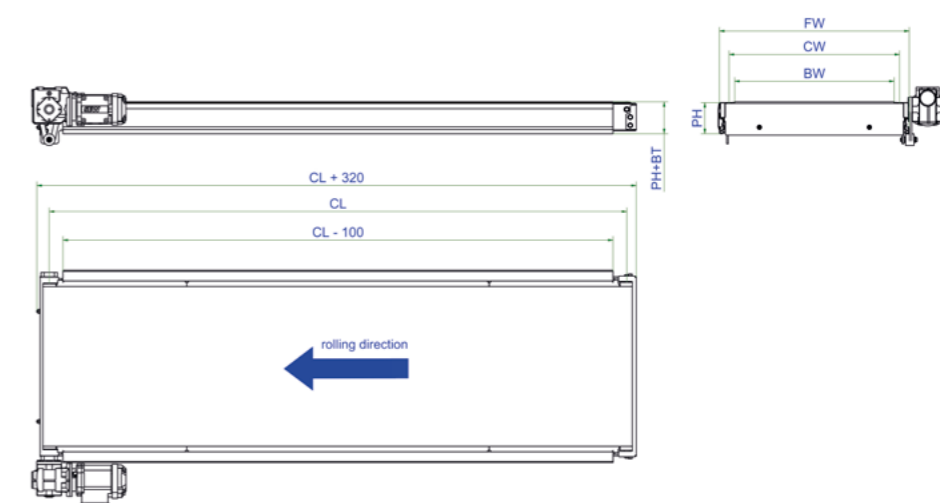
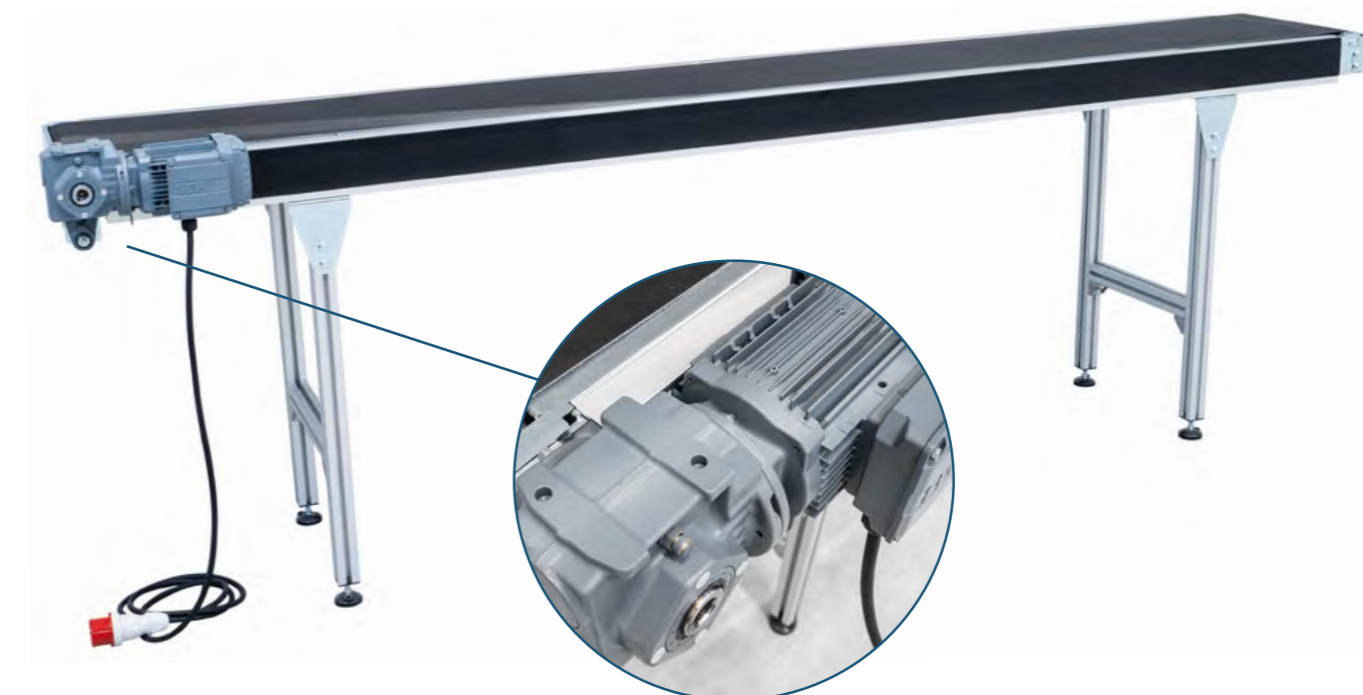


# SKCBH

## Belt conveyor with top drive 400 V

General data	
Conveyance speed	6.0 - 60.0 m/min
Max. load capacity	150 kg* (50 kg/m*)
Ambient temperature	0° to 40° C
Humidity	≤ 90 % (no condensation)
Noise level	< 70 dB Noise level may vary due to ambient conditions
Installation site	Indoor
Slope/gradient	Max. 10°
Belt material	
Belt details	PVC black, 2 layers
Top panel	Galvanised sheet steel, 2 mm
Power supply and drive	
Voltage	400 V / 50 Hz / 3-phase
Max. power consumption	1.5 kW
Torque transmission	Direct head drive with 50 mm dia. drive shaft
Dimensions	
CW (conveyor width)	420, 620 and 820 mm
FW (frame width)	CW + 70 mm
BW (belt width)	CW - 40 mm

\*The max. load capacity depends on the combination of speed and load.



### Configurator

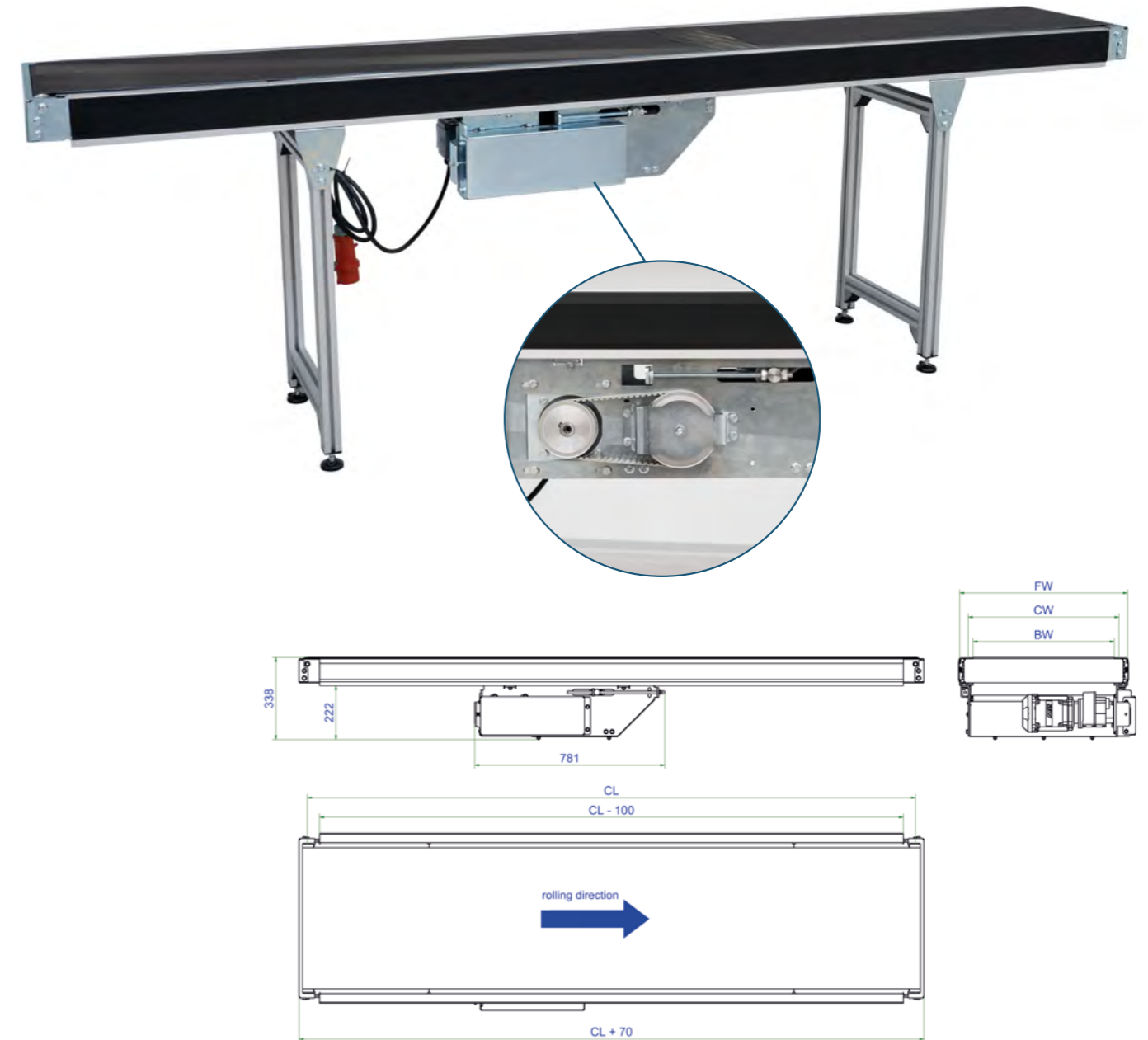
Conveyor belt head drive	Serie	Type	Options	Width [CW]	Length (in steps of 25 mm)	Motor position	Degree	Speed option
SK = Syskomp	SK	CBH	H = Horizontal I = Incline D = Decline	420 mm 620 mm 820 mm	1,000 - 3,000 mm	L = Left R = Right	Max. 10°	6.0 - 60.0 m/min
SKCBHH4201525R-60	SK	CBH	H	420	1525	R		60

# SKCBC

## Belt conveyor with centre drive 400 V

General data	
Conveyance speed	0.6 - 120.0 m/min
Max. load capacity	250 kg*
Ambient temperature	0° to 40° C
Humidity	≤ 90 % (no condensation)
Noise level	< 70 dB Noise level may vary due to ambient conditions
Installation site	Indoor
Slope/gradient	Max. 20°
Belt material	
Belt details	PVC black, 2 layers
Top panel	Galvanised sheet steel, 2 mm
Power supply and drive	
Voltage	400 V / 50 Hz / 3-phase
Max. power consumption	1.5 kW
Torque transmission	Indirect centre drive with 150 mm dia. drive shaft
Dimensions	
CW (conveyor width)	420, 620 and 820 mm
FW (frame width)	CW + 70 mm
BW (belt width)	CW - 40 mm

\*The max. load capacity depends on the combination of speed and load.



### Configurator

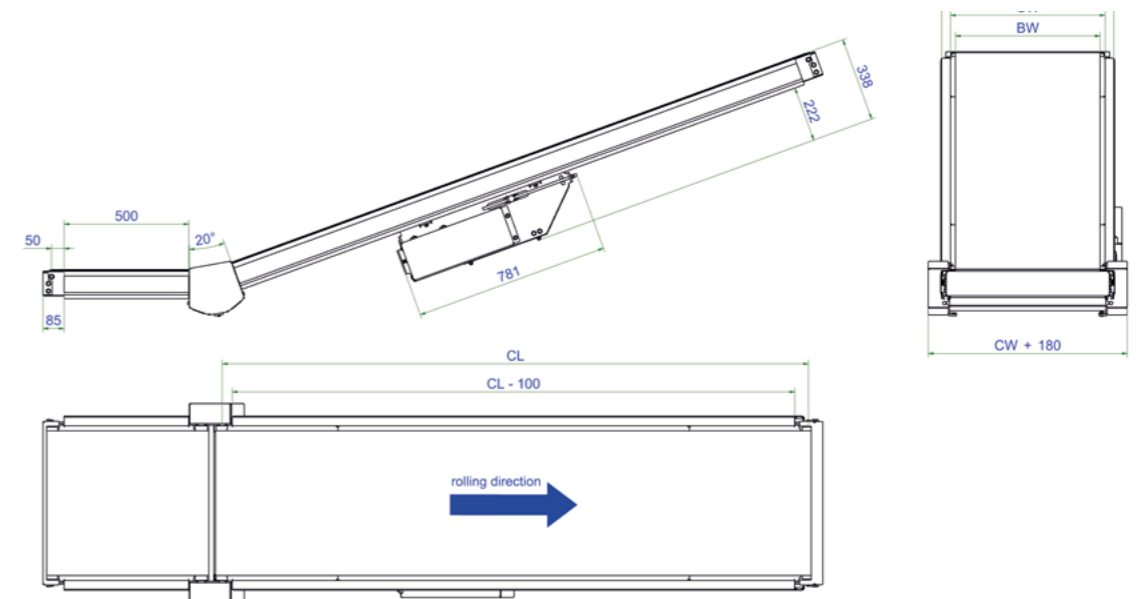
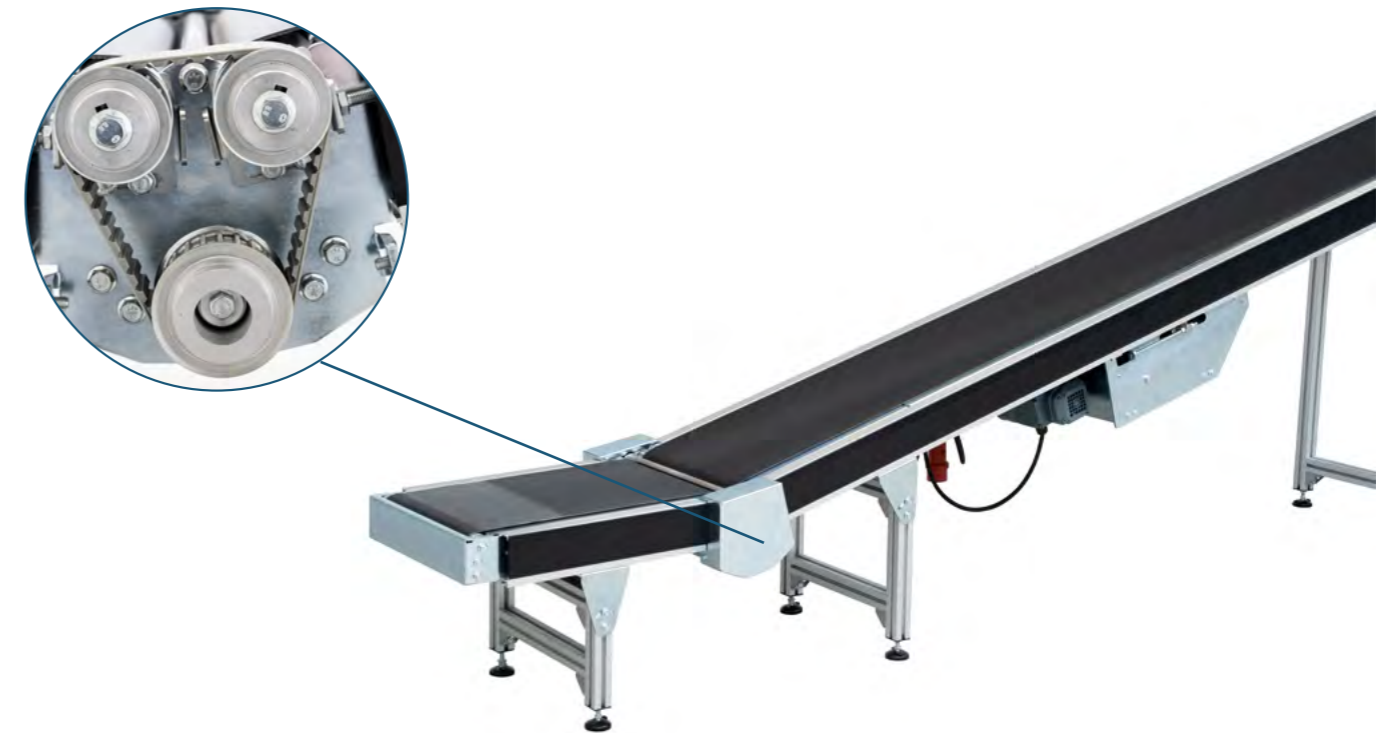
Conveyor belt centre drive	Serie	Type	Options	Width [CW]	Length (in steps of 25 mm)	Motor position	Degree	Speed option
SK = Syskomp	SK	CBC	H = Horizontal	420 mm	1,500 - 12,000 mm	R = Right (Typ CBC)	10°	6.0 - 120.0 m/min
			I = Incline	620 mm			15°	
			D = Decline	820 mm			20°	
SKCBCH4201525R10-75	SK	CBC	H	420	1525	R	10°	75

# SKCBC-BS

## Belt conveyor with 400 V centre drive and lower section

General data	
Conveyance speed	0.6 - 120.0 m/min
Max. load capacity	250 kg*
Ambient temperature	0° to 40° C
Humidity	≤ 90 % (no condensation)
Noise level	< 70 dB Noise level may vary due to ambient conditions
Installation site	Indoor
Slope/gradient	Max. 20°
Belt material	
Belt details	PVC black, 2 layers
Top panel	Galvanised sheet steel, 2 mm
Power supply and drive	
Voltage	400 V / 50 Hz / 3-phase
Max. power consumption	1.5 kW
Torque transmission	Indirect centre drive with 150 mm dia. drive shaft
Dimensions	
CW (conveyor width)	420, 620 and 820 mm
FW (frame width)	CW + 70 mm
BW (belt width)	CW - 40 mm

\*The max. load capacity depends on the combination of speed and load.



### Configurator

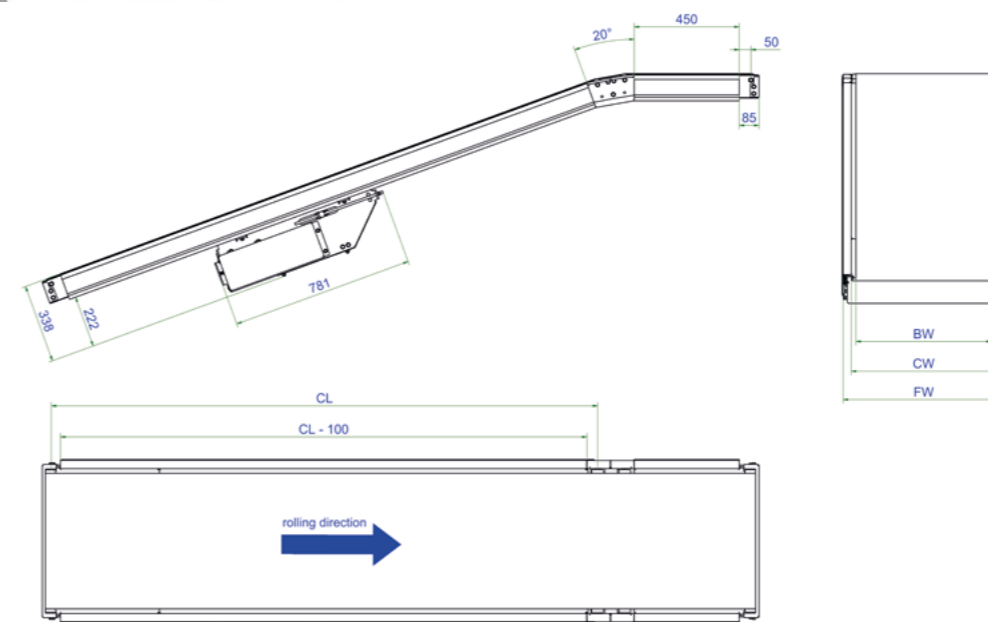
Conveyor belt centre drive	Serie	Type	Options	Width [CW]	Length (in steps of 25 mm)	Motor position	Degree	Sections	Speed option
SK = Syskomp	SK	CBC	H = Horizontal	420 mm	1,500 - 12,000 mm	R = Right	10°	BS = Bottom section (Type CBC)	6.0 - 120.0 m/min
			I = Incline	620 mm			15°		
			D = Decline	820 mm			20°		
SKCBCI4204650R-10BS75	SK	CBC	I	420	4650	R	10°	BS	75

# SKCBC-TS

## Belt conveyor with 400 V centre drive and upper section

General data	
Conveyance speed	6.0 - 120.0 m/min
Max. load capacity	250 kg*
Ambient temperature	0° to 40° C
Humidity	≤ 90 % (no condensation)
Noise level	< 70 dB Noise level may vary due to ambient conditions
Installation site	Indoor
Slope/gradient	Max. 20°
Belt material	
Belt details	PVC black, 2 layers
Top panel	Galvanised sheet steel, 2 mm
Power supply and drive	
Voltage	400 V / 50 Hz / 3-phase
Max. power consumption	1.5 kW
Torque transmission	Indirect centre drive with 150 mm dia. drive shaft
Dimensions	
CW (conveyor width)	420, 620 and 820 mm
FW (frame width)	CW + 70 mm
BW (belt width)	CW - 40 mm

\*The max. load capacity depends on the combination of speed and load.



### Configurator

Conveyor belt centre drive	Serie	Type	Options	Width [CW]	Length (in steps of 25 mm)	Motor position	Degree	Sections	Speed option
SK = Syskomp	SK	CBC	H = Horizontal	420 mm	1,500 - 12,000 mm	R = Right	10°	TS = Top section (Type CBC)	6.0 - 120.0 m/min
			I = Incline	620 mm					
			D = Decline	820 mm					
SKCBCI6206250R-10TS75	SK	CBC	I	620	6250	R	10°	TS	75

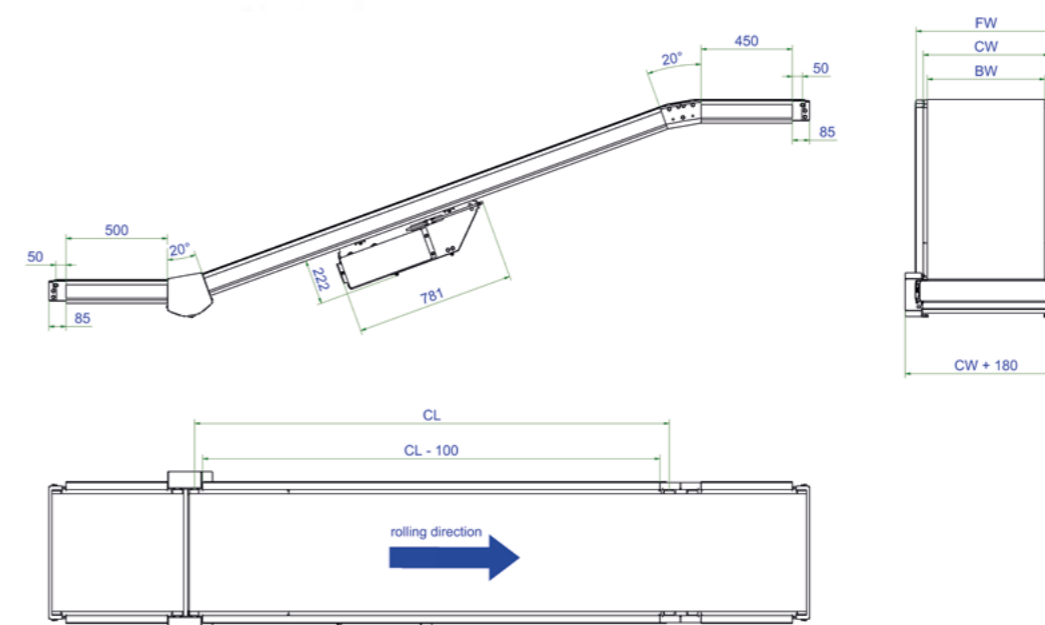


# SKCBC-BTS

## Belt conveyor with centre drive 400 V with lower and upper section

General data	
Conveyance speed	6.0 - 120.0 m/min
Max. load capacity	250 kg*
Ambient temperature	0° to 40° C
Humidity	≤ 90 % (no condensation)
Noise level	< 70 dB Noise level may vary due to ambient conditions
Installation site	Indoor
Slope/gradient	Max. 20°
Belt material	
Belt details	PVC black, 2 layers
Top panel	Galvanised sheet steel, 2 mm
Power supply and drive	
Voltage	400 V / 50 Hz / 3-phase
Max. power consumption	1.5 kW
Torque transmission	Indirect centre drive with 150 mm dia. drive shaft
Dimensions	
CW (conveyor width)	420, 620 and 820 mm
FW (frame width)	CW + 70 mm
BW (belt width)	CW - 40 mm

\*The max. load capacity depends on the combination of speed and load.



### Configurator

Conveyor belt centre drive	Serie	Type	Options	Width [CW]	Length (in steps of 25 mm)	Motor position	Degree	Sections	Speed option
SK = Syskomp	SK	CBC	H = Horizontal	420 mm		R = Right	10°		6.0 - 120.0 m/min
			I = Incline	620 mm	1,500 - 12,000 mm		15°		
			D = Decline	820 mm			20°	BTS = Bottom and top section (Type CBC)	
SKCBCI6206250R-10BTS75	SK	CBC	I	620	6250	R	10°	BTS	75

# Optional accessories

## The right one for your needs


Figure	Description	Order no.
	<p><b>Supports:</b></p> <ul style="list-style-type: none"> <li>- For the secure and stable installation of your conveyor</li> <li>- Suitable for all conveyor widths 420 / 620 / 820 mm</li> <li>- Height can be ordered separately</li> <li>- Tilt adjustment smooth and continuous from -34° to +34°</li> <li>- Fine adjustment of the height by means of adjustable threaded feet</li> <li>- Swivelling, levelling adjustable foot (also suitable for floor mounting)</li> <li>- Load capacity: 200 kg</li> </ul>	<p>SK LS CW FOK                      CW = 420, 620, 820 [mm]                      FOK in mm (top edge of conveyor)</p> <p>Ex:                      SK LS 420 1000</p>



Figure	Description	Order no.
<p>Fixed lateral guide</p> 	<p><b>Bracket side guide:</b>                      including fixing material</p> <p>For selection:                      Fixed lateral guide                      Flexible lateral guidance</p>	<p>BG40041003                      (Bracket for fixed lateral guide)</p> <p>BG40041004                      (Bracket for flexible lateral guide)</p>
<p>Flexible lateral guidance</p> 	<ul style="list-style-type: none"> <li>- Reflectors and sensors can also be mounted on the fixture of the flexible lateral guide. A bracket thus has space for two fixing bars.</li> <li>- The mounting of the brackets (for the fixed or flexible lateral guide) is carried out on the side of the profile.</li> </ul>	


Figure	Description	Order no.
	<p><b>Sensor assembly</b>                      (Reflection light barrier, double lens):                      including fixing material</p> <ul style="list-style-type: none"> <li>- Sensors can be used to determine the positions of the various unit goods.</li> <li>- Each sensor has a reflector (BG40044002), so that the light beam can be reflected back from the sensor.</li> <li>- The sensor can be rotated in the holder and is height adjustable</li> <li>- Connection type: Cable with plug M8, 4-pin, 500 mm</li> </ul>	BG40041001


Figure	Description	Order no.
	<p><b>Reflector assembly:</b>                      including fixing material</p> <ul style="list-style-type: none"> <li>- Self-adhesive reflective tape</li> <li>- Reflective surface: 25 mm x 25 mm</li> </ul>	BG40041002



Figure	Description	Order no.
	<p><b>Standard control box:</b>                      without fixing material</p> <ul style="list-style-type: none"> <li>- Simple motor control</li> <li>- Features</li> <li>-&gt; Commutation card for motor roller</li> <li>-&gt; Speed adjustment is digital</li> </ul>	<p>BG40031001 (Standard control box)</p> <p>BG40032001 (Bracket)</p>
	<p><b>Overview</b></p> <p>Standard control box is the simple motor control for one motor roller. This motor control unit is connected by means of an M8 plug. The speed, braking and acceleration behaviour can be set via digital I/Os and DIP switches or changed dynamically. Motor errors can also be read out via an output.</p>	

Figure	Description	Order no.
	<p><b>Zone control box:</b>                      without fixing material</p> <p><b>Network control</b></p> <ul style="list-style-type: none"> <li>- Control box for 2 zones (suitable for 24V motor rollers)</li> <li>- ZPA logic integrated</li> <li>- Freely programmable PLC functionality integrated</li> <li>- Compatible with many Ethernet-based PLCs</li> </ul> <p>The zone control box is a ZPA control for two 24V motor rollers and has two additional connections for the sensor system. Every conceivable application for 24V motor rollers can be implemented by the zone control box. Communication from box to box takes place via CAT 5 cable via Ethernet. The zone control box can also be connected directly to a Siemens PLC via ProfiNet if more complex tasks need to be performed.</p>	<p>BG40031002 (zone control box)</p> <p>BG40032002 (Bracket)</p>



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