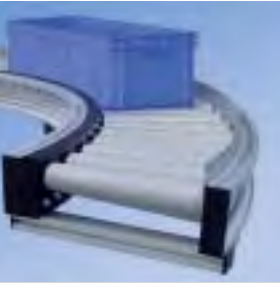








# mk Roller Conveyors



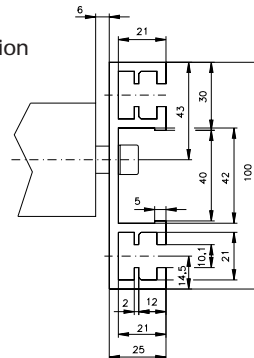
*Contents mk Roller Conveyors*

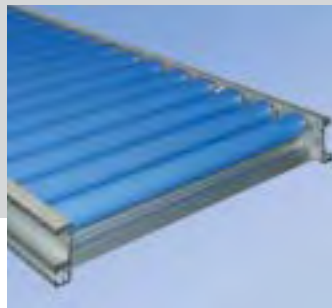
	RBS-P 2065/2066	242
	RBS-P 2255	246
	RBT-P 2255	250
	RBM-P 2255	254
	Rollers	258
	Application Examples	260

# Roller Conveyors RBS-P 2065/2066



Conveyor frame cross-section





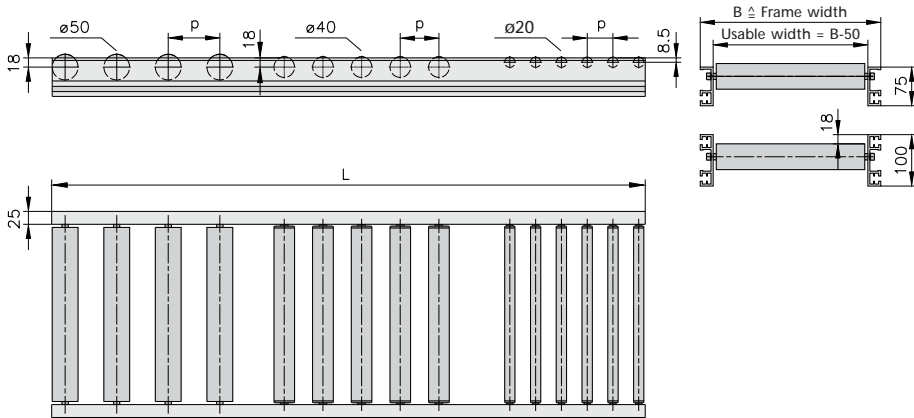
mk Roller Conveyors are used in a wide variety of industrial applications. Various frame and drive designs, including gravity rollers, driven rollers using belt, chain or tangential drives, as well as different roller types make this an extremely flexible system with wide-ranging applications. The conveyors are available either straight or as curves.

The 20, 40 and 50 mm roller diameters ensure continuous and uninterrupted motion of large and small products alike. All mk conveyor frames include T-slots for the attachment of stands, side rails and other accessories.

# RBS-P 2065/2066

## Gravity Roller Conveyor, Straight

ø 20: B61.00.001/ø 40: B61.00.002/ø 50: B61.00.003



### Features:

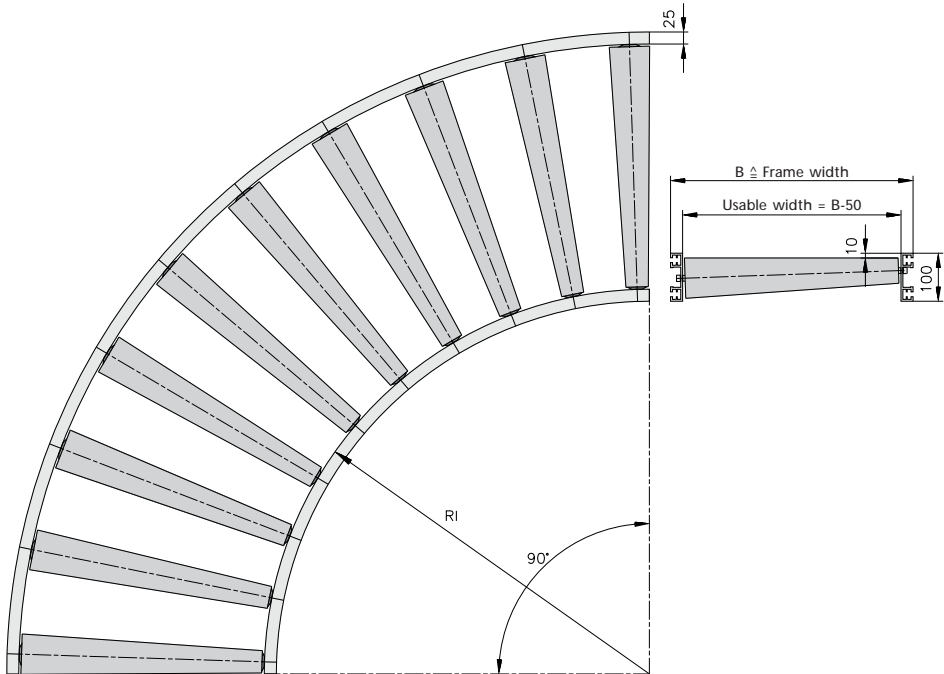
The gravity roller conveyors 2065 or 2066 are excellent solutions for roller conveyor requirements. With the mk 2065 profile, the rollers protrude beyond the top edge of the profile. This enables extra wide workpieces to be conveyed too. The mk 2066 profile is simultaneously used as a side rail.

	Dimensions – Technical Information	Notes
Frame width B ø 20 Plastic	150, 200, 250, 300 and 350 mm	Ident.-Nr.: B61.00.001
ø 40 Plastic	250, 350, 450, 550 and 650 mm	Ident.-Nr.: B61.00.002
ø 50 Plastic	250, 350, 450, 550 and 650 mm	Ident.-Nr.: B61.00.003
ø 50 Steel, ZN	250 - 1050 mm	in 100 mm increments
Conveyor length L		200 - 5000 mm
Roller pitch P ø 20	25, 50 and 75 mm	
ø 40	50, 75, 100 and 125 mm	
ø 50	75, 100, 125, 150, 175, 200, 225 and 250 mm	
Frame profile	mk 2065 or mk 2066	
Roller types	Type 30, 32, 43-46, 58 and 59	see page 258

# RBS-P 2065/2066

Gravity Roller Conveyor, Curve

B61.00.004

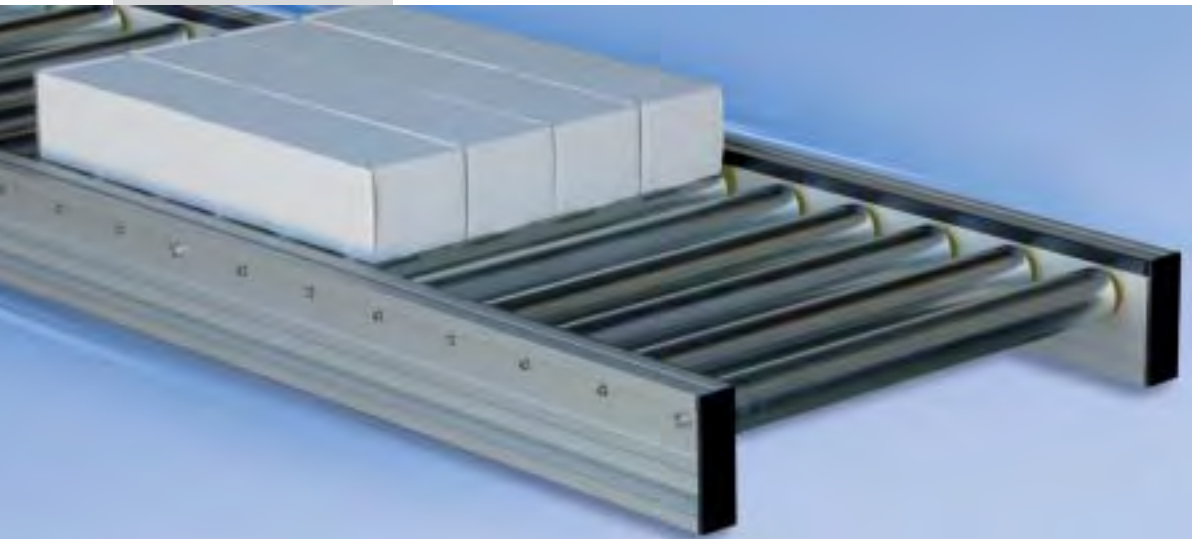


### Features:

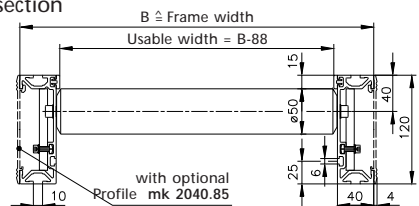
The gravity roller conveyors of System 2066 are noted primarily for their simple construction. The use of conical rollers ensures proper orientation of products is maintained along the conveyor.

	Dimensions – Technical Information							Notes
Frame width B	250 - 800 mm							in 50 mm increments
Inner radius R1	800 (for NB = 300; 400; 500; 600; 700; 800)							
	850 (for NB = 250; 350; 450; 550; 650; 750)							
Product length recc. Roller quantity	150	200	250	300	350	450	550	
	21	17	15	13	11	10	9	
Frame profile	mk 2066							
Roller types	Type 47 and 48							see page 258

# Roller Conveyors RBS-P 2255



Conveyor frame cross-section





The Roller Conveyors RBS-P 2255 is designed for light to medium weight product transfers. Products may be moved either by hand, or by gravity in decline applications. Gravity rollers are most often used for picking applica-

tions, as accumulating storage, or within assembly or packaging lines. The Gravity Roller Conveyors are available in straight or curved sections, and may be combined with our Driven Roller Conveyors (RBT and RBM). All conveyors are

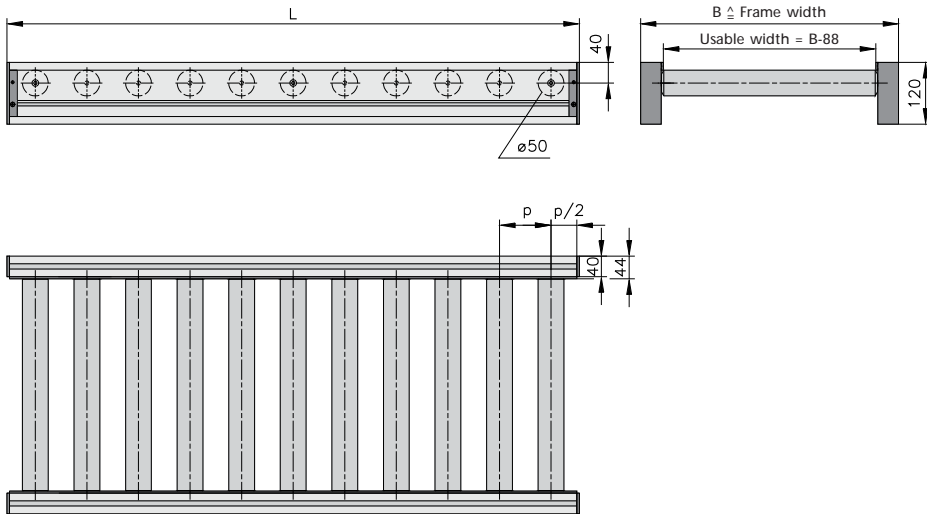
manufactured using our new Roller Conveyor Profile mk 2255 which features longitudinal T-slots for easy mounting of side rails, stands, sensors or other accessories.



# RBS-P 2255

## Gravity Roller Conveyor, Straight

B61.02.001



### Features:

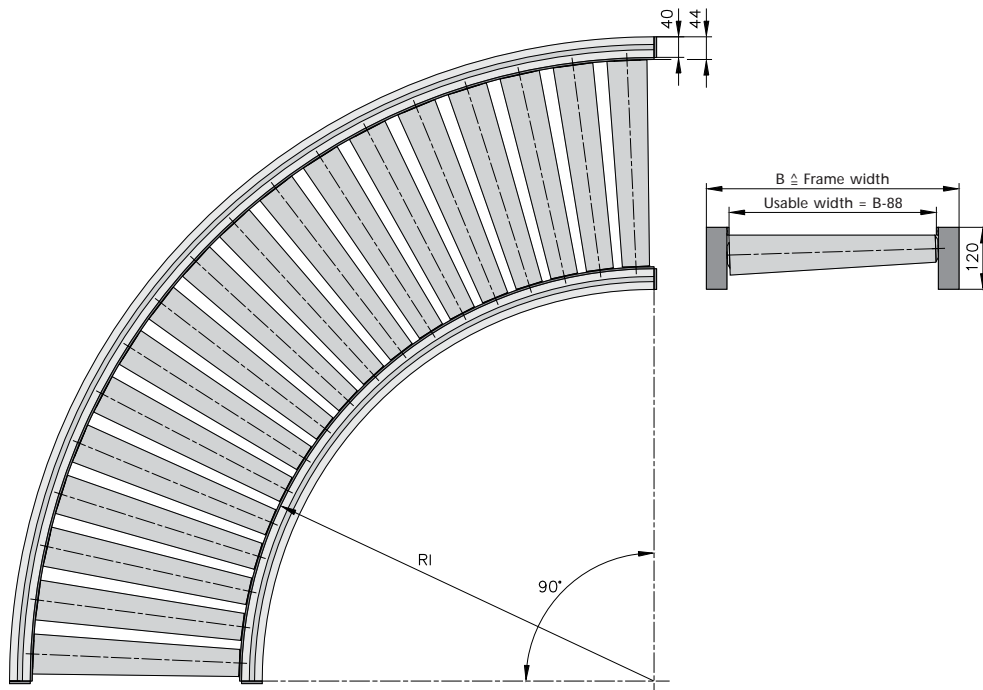
The Gravity Roller Conveyor is manufactured using Profile mk 2255. The anodized structural extrusions are punched for three pitch options, and designed for use with a roller diameter of 50 mm.

	Dimensions – Technical Information	Notes
Roller diameter	50 mm	Plastic/Steel, ZN
Frame width B	290, 390, 490, 590 and 690 mm	
Conveyor length L	500 - 10.000 mm	
Roller pitch p	75, 100 and 125 mm	
Frame profile	mk 2255	
Roller types	Plastic 43 + 44 or Steel 45 + 46	see page 258
Stands	Stand S53.1	see page 262
Max. load	to 100 kg/m and 400 kg total load depending on frame width and roller type	higher on request

# RBS-P 2255

## Gravity Roller Conveyor, Curve

B61.02.002



### Features:

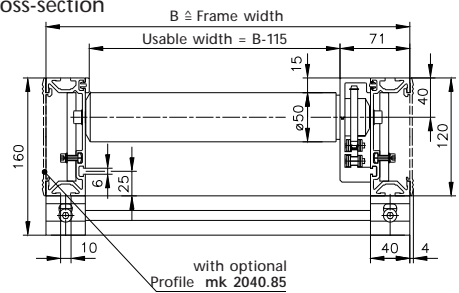
The Gravity Roller Conveyor is manufactured using Profile mk 2255. The anodized structural extrusions are punched for a 5° pitch, and designed for use with a roller diameter of 50 mm.

	Dimensions – Technical Information	Notes
Roller diameter	50 mm conical	Plastic
Frame width B	290, 390, 490, 590 and 690 mm	
Inner radius RI	800 mm	
Roller pitch	5° / number of rollers: 18	
Frame profile	mk 2255	
Roller types	Type 47 and 48	see page 258
Stands	Stand S53.1	see page 262
Max. load	to 100 kg/90° depending on conveyor angle and roller type	higher on request

# Roller Conveyors RBT-P 2255



Conveyor frame cross-section





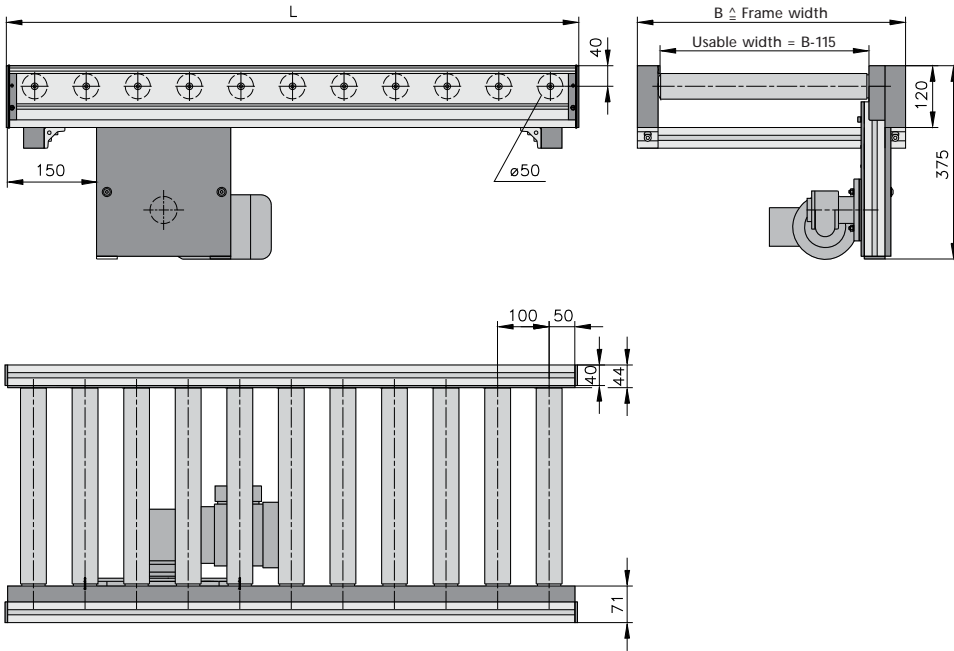
The tangential chain roller conveyor is used wherever long, motor driven conveyor sections are required. Rollers feature integrated sprockets which are driven tangentially using ½" roller chain which is guided along an enclosed, low-friction wear strip. Tangential chain roller conveyors may also be used in

dirty or oily environments. The tangential chain roller conveyors are available in straight or curved sections, and can be combined with other System 2255 conveyor (RBS and RBM). The longitudinal T-slots along the frame can be used for direct mounting of side rails, stands, sensors or other accessories.

# RBT-P 2255

## Tangential Chain Roller Conveyor, Straight

B61.02.003



### Features:

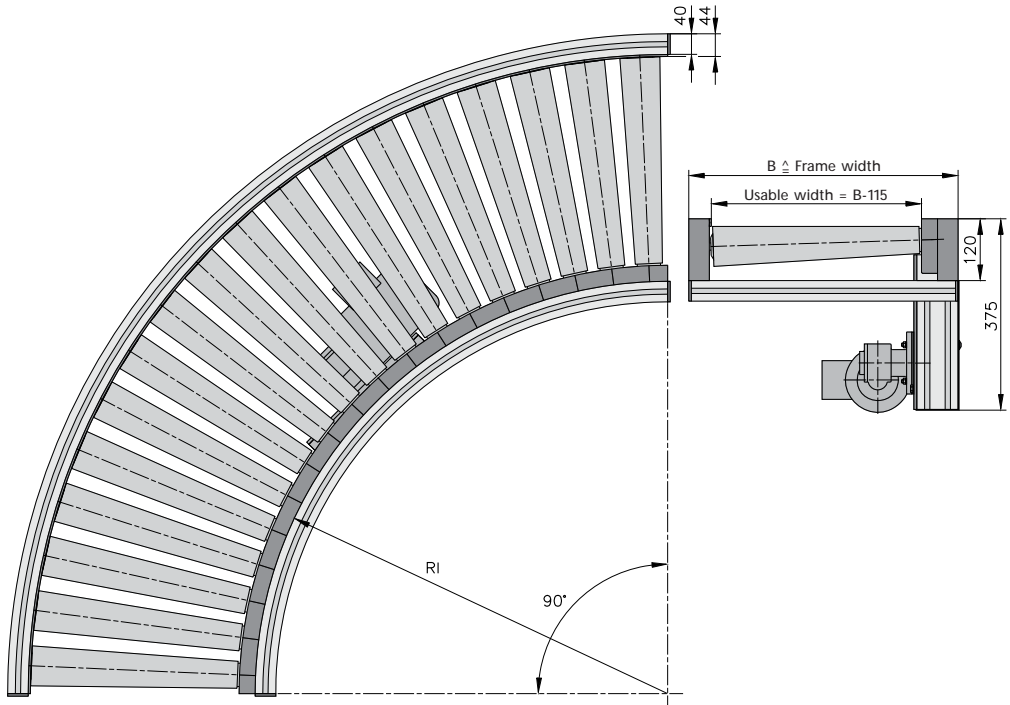
The Tangential Chain Roller Conveyor is manufactured using Profile mk 2255. The anodized structural extrusions are punched for 100 mm pitch and designed for use with a roller diameter of 50 mm.

	Dimensions – Technical Information	Notes
Roller diameter	50 mm	Steel, ZN
Frame width B	420, 520, 620 and 720 mm	
Conveyor length L	600 - 10000 mm	others on request
Roller pitch	75, 100, 125, 150, 175 and 200 mm	
Frame profile	mk 2255	
Roller types	Type 49 and 57, 60 or 61	see page 258
Stands	Stand S53.1	see page 262
Max. load	to 100 kg/m and 400 kg total load depending on frame width and roller type	higher on request

# RBT-P 2255

## Tangential Chain Roller Conveyor, Curve

B61.02.004

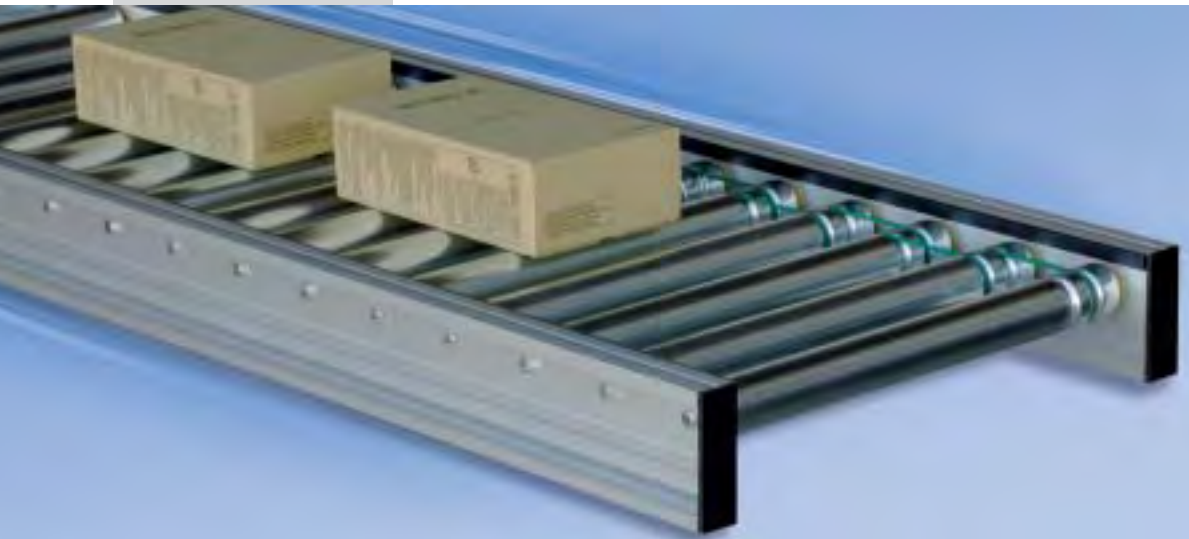


### Features:

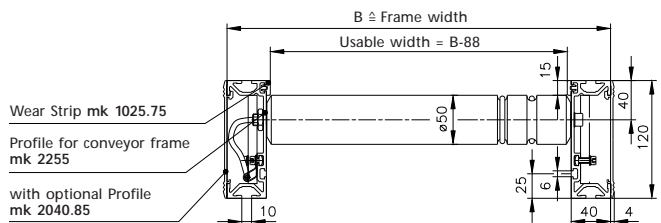
The Tangential Chain Roller Conveyor is manufactured using Profile mk 2255. The anodized structural extrusions are punched for a 5° pitch, and designed for use with a roller diameter of 50 mm.

	Dimensions – Technical Information	Notes
Roller diameter	50 mm conical	Plastic
Frame width B	420, 520, 620 and 720 mm	
Inner radius RI	800 mm	
Roller pitch	5° / number of rollers: 18	
Frame profile	mk 2255	
Roller types	Type 50	see page 258
Stands	Stand S53.1	see page 262
Max. load	to 100 kg/90° depending on conveyor angle and roller type	higher on request

# Roller Conveyors RBM-P 2255



Conveyor frame cross-section





The Drive Roller Conveyor features a motorized roller which drives up to 9 additional idler rollers. With this type of drive segmentation it is possible to design these conveyors with varying speeds or start/stop functions. This allows application possibilities such as segmentation of products, stopping and storage, whereby more complex system processes can be supported. The

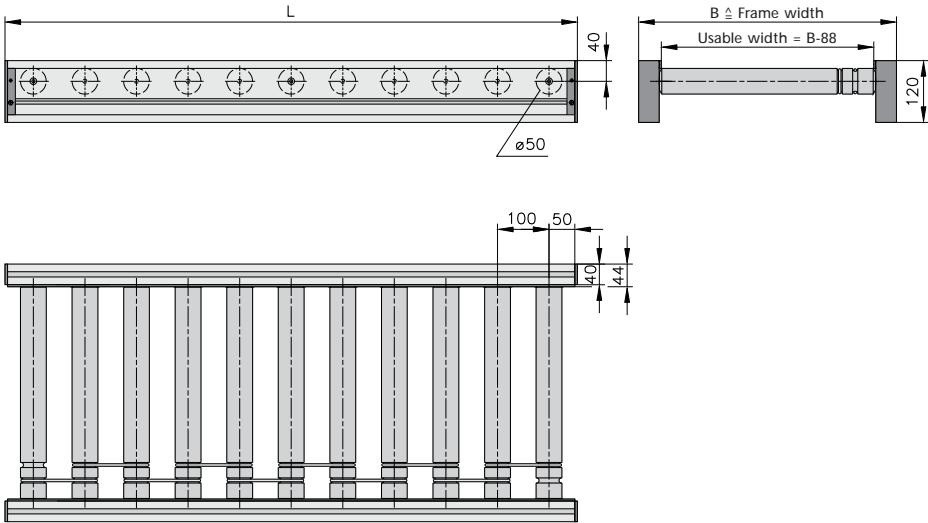
speed and direction of the motorized rollers is accomplished using a control module. The Drive Roller Conveyors are available in straight or curved sections, and can be combined with other System 2255 conveyor (RBS and RBT). The longitudinal T-slots along the frame can be used for direct mounting of side rails, stands, sensors or other accessories.



# RBM-P 2255

## Drive Roller Conveyor, Straight

B61.02.005



### Features:

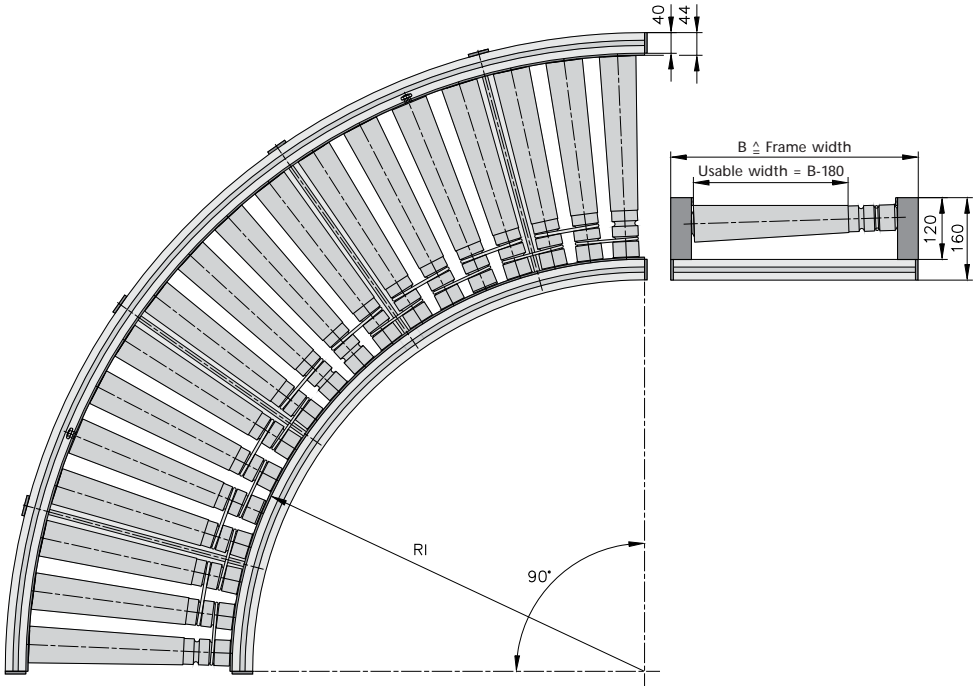
The Drive Roller Conveyor is manufactured using Profile mk 2255. The anodized structural extrusions are punched for 100 mm pitch and designed for use with a roller diameter of 50 mm.

	Dimensions – Technical Information	Notes
Roller diameter	50 mm	Steel, ZN
Frame width B	380, 480, 580 and 680 mm	
Conveyor length L	500 - 10.000 mm	
Roller pitch	100 mm	
Frame profile	mk 2255	
Roller types	Type 51, 53 and 55	see page 258
Stands	Stand S53.1	see page 262
Max. load	to 55 kg/m and 275 kg total load depending on frame width and roller type	higher on request

# RBM-P 2255

Drive Roller Conveyor, Curve

B61.02.006



## Features:

The Drive Roller Conveyor is manufactured using Profile mk 2255. The anodized structural extrusions are punched for a 5° pitch, and designed for use with a roller diameter of 50 mm.

	Dimensions – Technical Information	Notes
Roller diameter	50 mm conical	Plastic
Frame width B	380, 480, 580 and 680 mm	
Inner radius RI	800 mm	
Roller pitch	5° / number of rollers: 18	
Frame profile	mk 2255	
Roller types	Type 52, 54 and 56	see page 258
Stands	Stand S53.1	see page 262
Max. load	to 55 kg/90° depending on conveyor angle and roller type	higher on request

# Roller Conveyors

## Rollers

\* Motorized Roller

\*\*for RBS-P 2065/66 / RBS-P 2255

### Gravity Roller Conveyor straight

Roller	ø	Color	Usable width**	Material	Mounting	Friction	Form	Load/Roller
Type 30	20 mm	blue	B-50/ -	Plastic	spring shaft ø 6 mm	-	cylinder	9 kg
Type 32	40 mm	blue	B-50/ -	Plastic	spring shaft ø 8 mm	-	cylinder	12 kg
Type 43	50 mm	grey	B-50/B-88	Plastic	threaded M8	-	cylinder	7 kg - 35 kg
Type 44	50 mm	grey	B-50/B-88	Plastic	spring shaft ø 8 mm	-	cylinder	7 kg - 35 kg
Type 45	50 mm	silver	B-50/B-88	Steel, ZN	threaded M8	-	cylinder	35 kg
Type 46	50 mm	silver	B-50/B-88	Steel, ZN	spring shaft ø 8 mm	-	cylinder	35 kg
Type 58	20 mm	grey	B-50/B-88	Plastic	spring shaft ø 6 mm	-	cylinder	5 kg
Type 59	40 mm	grey	B-50/B-88	Plastic	spring shaft ø 8 mm	-	cylinder	11 kg

### Gravity Roller Conveyor curve

Roller	ø	Color	Usable width**	Material	Mounting	Friction	Form	Load/Roller
Type 47	50 mm	grey	B-88	Plastic	threaded M8	-	conical	40 kg
Type 48	50 mm	grey	B-88	Plastic	spring shaft ø 8 mm	-	conical	40 kg

### Tangential Chain Roller Conveyor straight

Roller	ø	Color	Usable width**	Material	Mounting	Friction	Form	Load/Roller
Type 49	50 mm	silver	B-115	Steel, ZN	threaded M8	-	cylinder	145 kg
Type 61	50 mm	silver	B-115	Steel, ZN	threaded M8	adjustable	cylinder	72 kg

### Tangential Chain Roller Conveyor curve

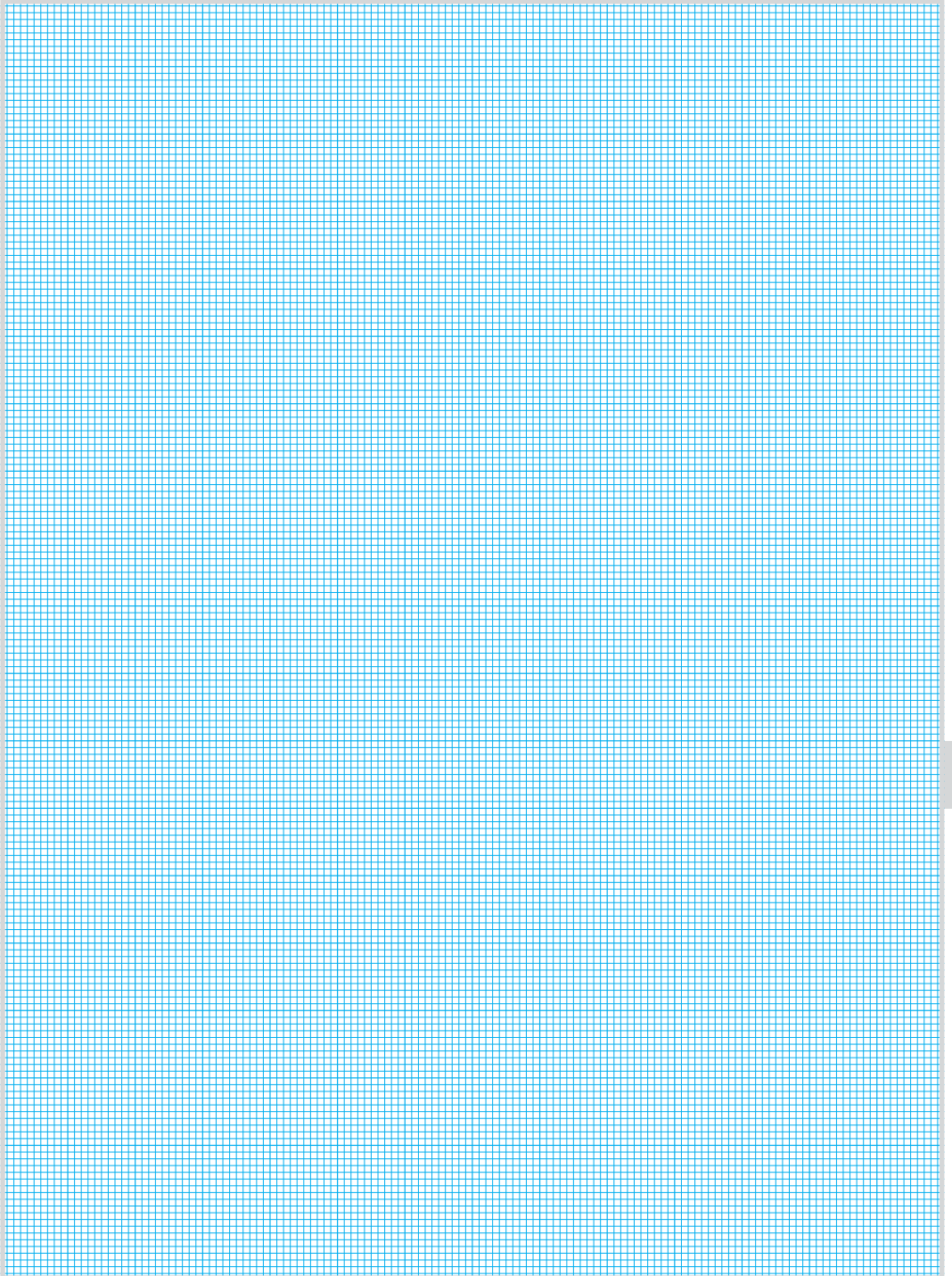
Roller	ø	Color	Usable width**	Material	Mounting	Friction	Form	Load/Roller
Type 50	50 mm	grey	B-115	Plastic	threaded M8	-	conical	40 kg

### Drive Roller Conveyor straight

Roller	ø	Color	Usable width**	Material	Mounting	Friction	Form	Load/Roller
Type 51	50 mm	silver	B-88	Steel, ZN	threaded M8	-	cylinder	30 kg
Type 53*	50 mm	silver	B-88	Steel, ZN	threaded M8/ ext. thread M12x1	-	cylinder	30 kg
Type 55	50 mm	silver	B-88	Steel, ZN	spring shaft ø 8	-	cylinder	30 kg

### Drive Roller Conveyor curve

Roller	ø	Color	Usable width**	Material	Mounting	Friction	Form	Load/Roller
Type 52	50 mm	grey	B-180	Plastic	threaded M8	-	conical	30 kg
Type 54*	50 mm	grey	B-180	Plastic	threaded M8/ ext. thread M12x1	-	conical	30 kg
Type 56	50 mm	grey	B-180	Plastic	spring shaft ø 8 mm	-	conical	30 kg

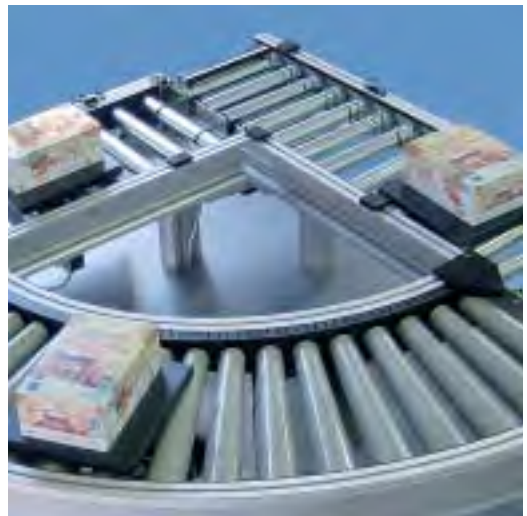


# Roller Conveyors

## *Application Examples*



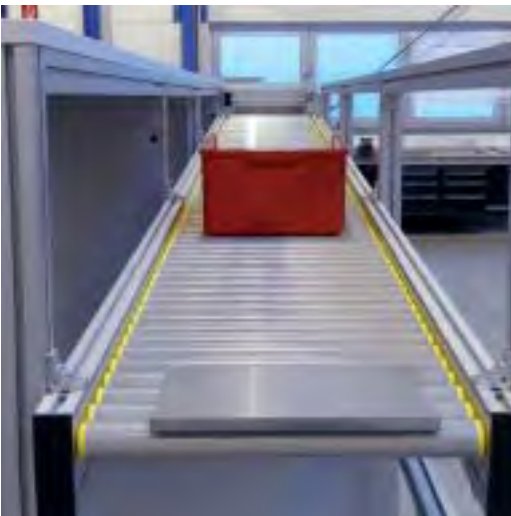
RBT-P 2255 with integrated lift and transfer conveyor, belt loading capacity 100 kg/m with additional side rails and drip pan



Combination of Tangential Chain and Driven Roller Conveyors



Combination of turn table and RBT-P 2255 with buffer table for order picking tasks and  $\varnothing$  50 mm steel rollers. Driven via tangential chain drive



RBS-P 2255 with  $\varnothing$  40 mm plastic rollers



Customer-specific roller conveyor