Product catalog

Conveyor TB40

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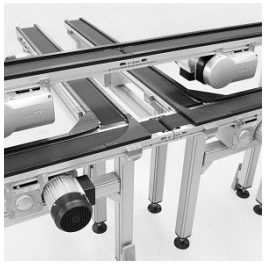
CUSTOMIZED SOLUTIONS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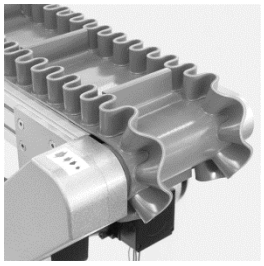
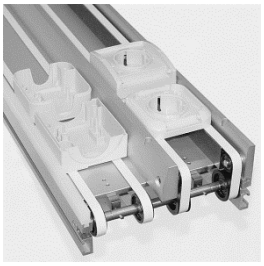
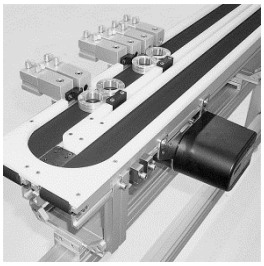
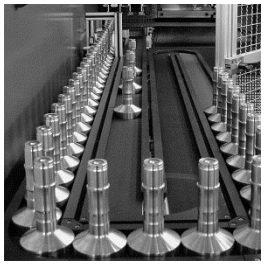
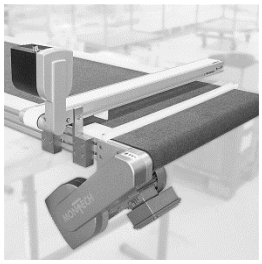
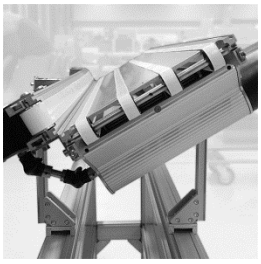

Watch industry


Electronics industry


Construction industry

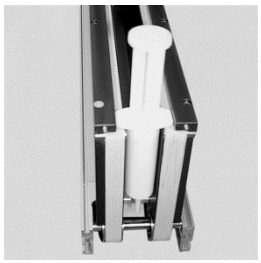

Mechanical engineering


Plastics industry


Printing industry

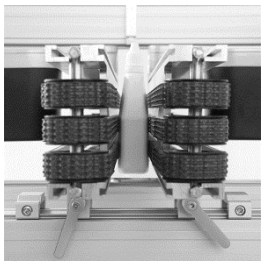

Automotive suppliers

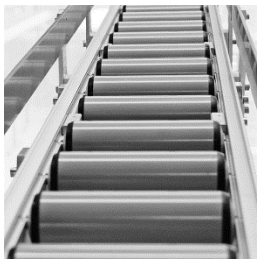

Automotive industry

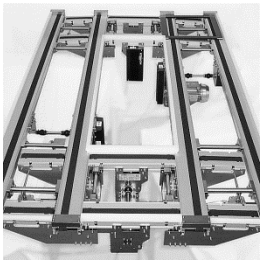

Medical industry


Automotive suppliers


Solar industry


Medical industry

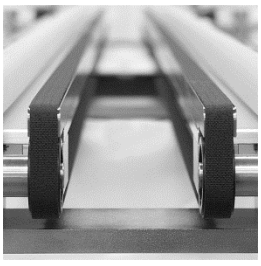

Automotive suppliers


Mechanical engineering

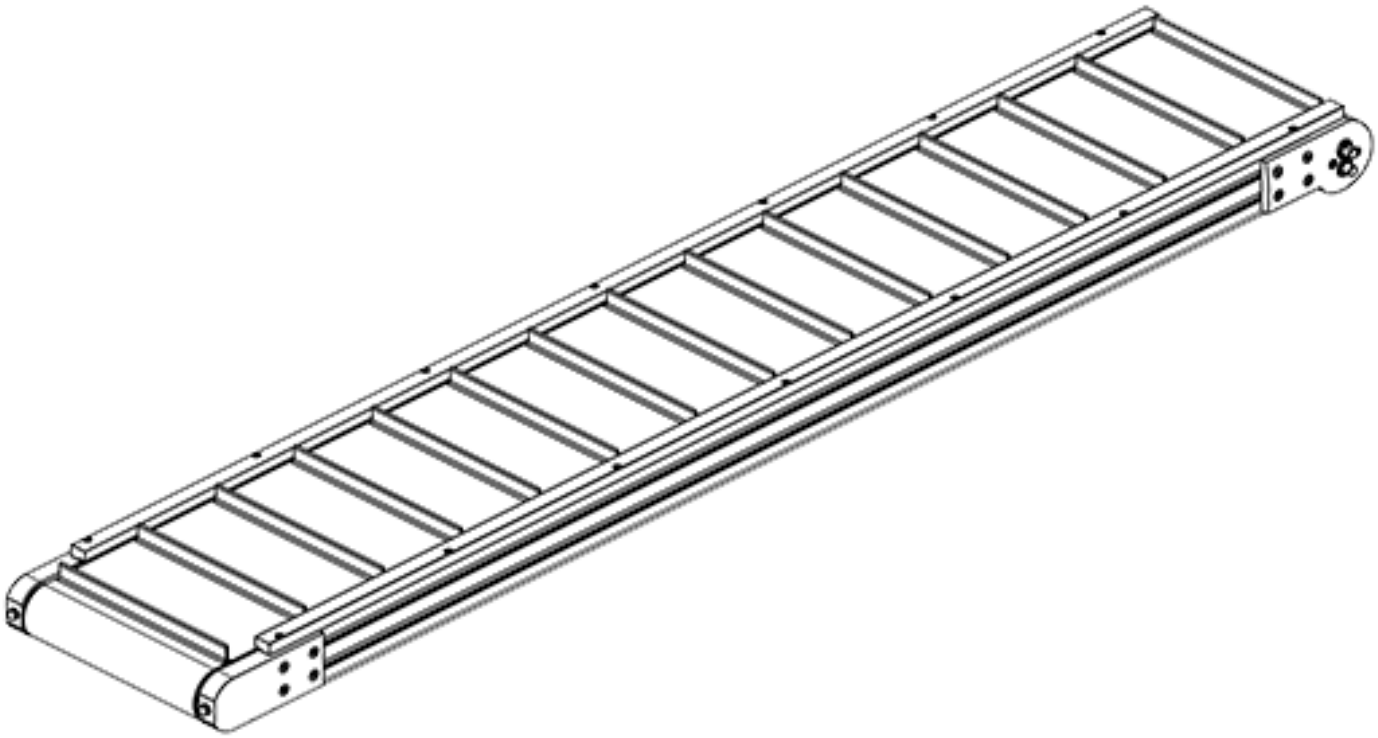

Airport industry


Airport industry


Automotive


Electronics industry

CONVEYOR TB40



Modifications may be made without notice

PRODUCT DESCRIPTION CONVEYOR TB40

TB40 conveyors are used as individual infeed and outfeed belts or for linking entire transport systems. Due to the motor integrated into the drive roller, the conveyor TB40 is very compact in its design. There are no protruding components that require additional space during installation. With the integrated drive (24 VDC), by default, up to 200 kg can be transported in conveying mode. The following chassis widths are available: 300, 400, 500, 600, 700 and 800 mm.

The conveyor TB40 can easily and comfortably be operated via a programmable logic control (PLC). The control is carried out via several digital and analog inputs on the belt conveyor itself.

By default, the TB40 is configured with the drive profile "PLC Speed-Mode" and is therefore ideal for any conveying task. In the belt conveyor configurator, three preset speeds can individually be defined. When ordering with the conveyor belt configurator, these three fixed speeds are to be defined; the belt conveyor is then delivered parametrized accordingly. The retrieving of the preset speeds happens via the digital inputs on the conveyor belt. In addition, the speed can be set stepless by an analog setpoint.

On request, the drive can also be parametrized for positioning tasks. A distance is defined which the belt conveyor executes once or several times. In this case too, the control is realized via the digital and analog inputs. For further requirements or tasks (e.g. speed specification via PWM or frequency) please contact our sales office.

A stand-alone solution is offered by combining the TB40 with the MonTurn control unit or the control and parameterizing unit MonTouch. Therefor read the sections "TB40 CONVEYOR BELT WITH THE MONTURN CONTROL UNIT" and "TB40 CONVEYOR BELT WITH THE CONTROL AND PARAMETERIZING UNIT MONTOUCH ".

The product range is rounded off by an extensive variety of accessories. This includes different connection options for control, different belt types for various applications, supports and a wide variety of lateral guides. The accessories can be mounted easily, quickly and without mechanical processing, even subsequently.

The warranty period is 36 months from delivery date.

CONVEYOR TB40 CONNECTED WITH PLC

The TB40 can be used in various operating modes. By default, the conveyor belt is delivered with the operating mode "PLC speed mode". In this operating mode, the TB40 is operated via digital and analog inputs on the motor by means of a PLC. Either the three preset speeds can be controlled or an analog speed setpoint can be specified.

CONVEYOR TB40 WITH MONTURN CONTROL UNIT

The conveyor TB40 with the MonTurn control unit is a complete solution for stand-alone applications. With the MonTurn, the conveying direction and a stepless regulation of the conveying speed can be defined. The conveyor requires no additional controlling. Together with the power supply unit (24VDC), from our accessories catalog, the conveyor Plug & Play is ready for immediate use.

The conveyor TB40, combined with the MonTurn, becomes the ideal solution for your conveying application. The handling is simple and self-explanatory. The MonTurn can easily be mounted directly on the conveyor.

CONVEYOR TB40 WITH THE CONTROL AND PARAMETERIZING UNIT MONTOUCH

The control and parameterizing unit MonTouch enable the conveyor TB40 to be operated and parametrized via an intuitive human machine interface.

With the accessory “cable set parameterization unit MonTouch (66590)" the motor parameters and thus the behavior can be adjusted freely. This allows the conveyor to be individually parametrized for a wide range of applications.

The autonomous MonTouch operation offers the possibility of simple conveyor belt applications without a higher-level PLC. Continuous conveying and positioning applications can be carried out.

The MonTouch generates flexibility, time savings and accuracy for your conveyor application.

FUNCTIONAL DESCRIPTION CONVEYOR TB40

ORERATING MODE

The TB40 can be used in various operating modes. By default, the TB40 is delivered with the operating mode "PLC speed mode". A subsequent change of the operating mode is possible via the optionally available control and parameterizing unit MonTouch[1)]. Other operating modes can be parametrized at the factory on request:

- PLC speed mode (default setting)
- PLC position mode
- Other operating modes on request

PCL SPEED MODE (DEFAULT SETTING)

In PLC speed mode, the TB40 is operated via digital and analog inputs on the motor using a PLC. Either the three preset speeds can be controlled or an analog speed setpoint can be specified.

The following functions can be executed via the I/Os:

- Start/Stop
- CW/CCW
- Execution of the analog speed setpoints
- Execution of the three preset speeds (v1, v2, v3)

DEFAULT VALUE (FACTORY-SET)

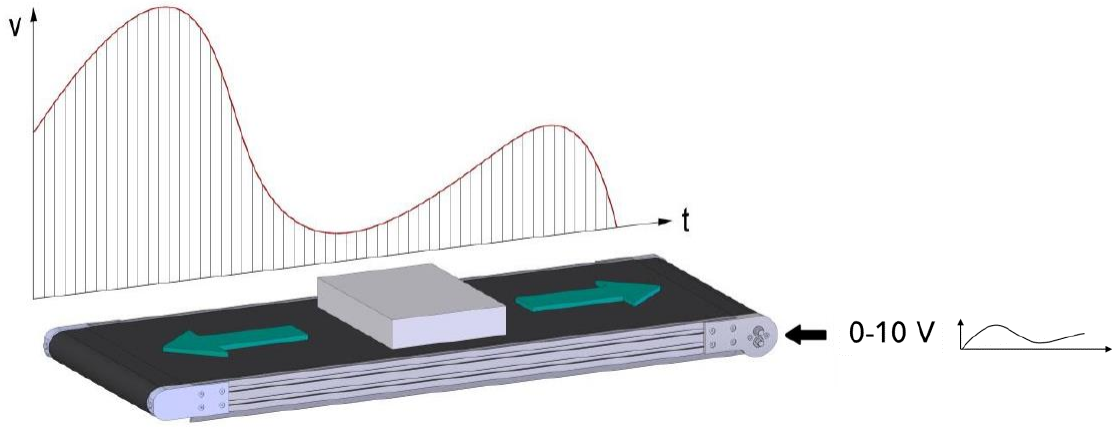
The belt speeds v1, v2 and v3 can be specified in the conveyor belt configurator on www.montech.com. If the belt speeds are not specified, the conveyor is delivered with the following values.
The standard values can be changed subsequently using the control and parameterizing unit MonTouch[1)].

	Gear i = 30	Gear i = 80
Stored conveying speed v1, v2, v3	v1 = 10 m/min v2 = 20 m/min v3 = 30 m/min	v1 = 4 m/min v2 = 8 m/min v3 = 12 m/min
Acceleration / Deceleration	0.56 m/s^2	0.21 m/s^2

[1)] See assembly instruction control and parameterizing unit MonTouch (BA-100157)

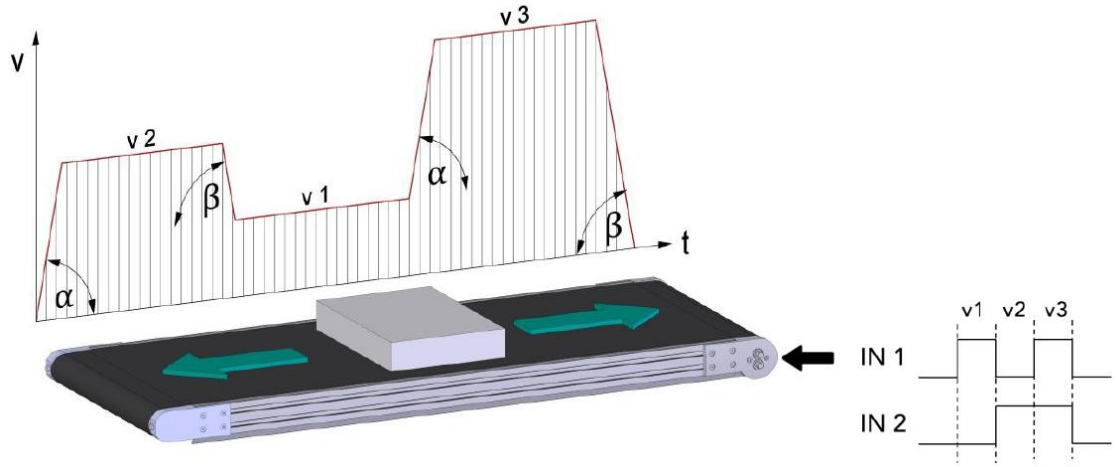
SPEED SETTING VIA ANALOG INPUT

With the stepless speed setting via the analog setpoint from 0...10 V, the resolution is 0...1023.



SPEED SETTING VIA STORED VALUES V1, V2 UND V3

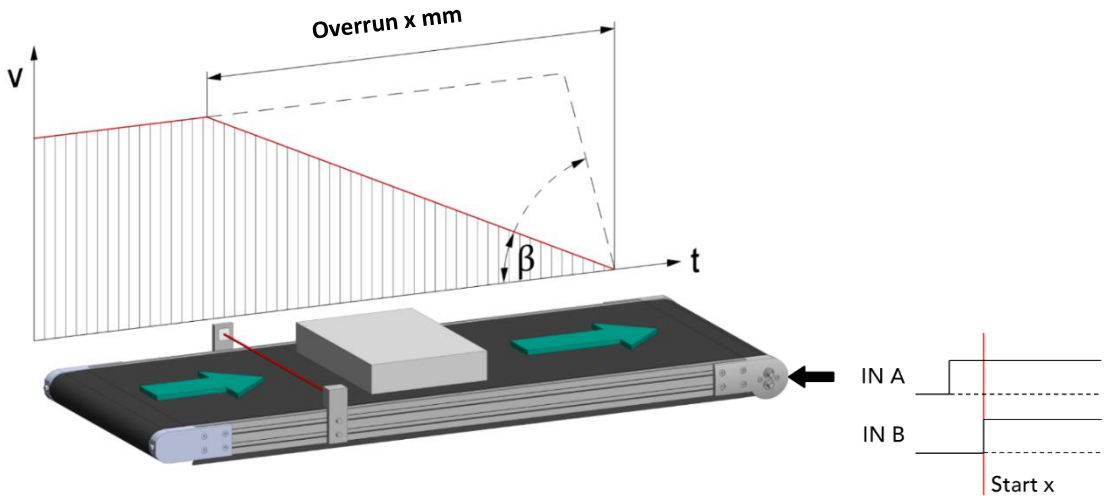
The parametrized preset speeds v1...v3 can be controlled via the digital inputs on the motor. The conveyor belt moves to these speeds automatically with the set acceleration and deceleration.



FUNCTION «OVERRUN»

The overrun can be parametrized as an additional function with the control and parameterizing unit MonTouch (without the MonTouch, a defined overrun (fixed value) can be set at the factory on request). After receiving the stop command, the conveyor belt still executes a defined distance x before it comes to a standstill.

Application example:
A carton must stop under a filling station. The sensor that detects the arrival of the carton is located 300 mm in front of the filling station. In this case, the overrun is set to 300 mm. This allows the conveyor belt to be given a stop command at that moment when the carton passes the sensor. As a result, the carton will stop after 300 mm under the filling station. (Note: the sensor and the stop command must be controlled by the PLC. A Control via the TB40 is not possible).



PLC POSITION MODE

In PLC positioning mode, the TB40 can be operated via digital and analog inputs on the motor using a PLC. The speed is given to the conveying mode via the analog setpoint. In positioning mode, a defined distance is travelled. With a pulse, the distance is executed once. The distance is executed x times by specifying x pulses.

The following functions can be executed via the I/Os:

- Start/Stop
- CW/CCW
- Execution of the analog speed setpoint
- Execution of a defined distance

DEFAULT VALUE (FACTORY-SET)

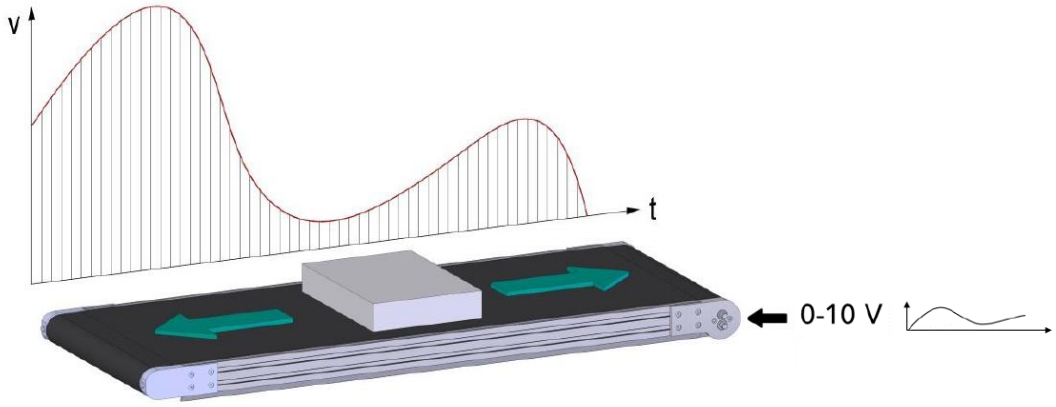
By default, the conveyor is supplied with the following values. These values can be individually adjusted on request. The standard values can be changed subsequently using the control and parameterizing unit MonTouch[1)].

	Gear i=30	Gear i=80
Distance / impulse	1 mm	1 mm
Max. permissible positioning speed	33.5 m/min	12 m/min
Positioning window for DOUT1	±0.5 mm	±0.5 mm
Acceleration / Deceleration	0.56 m/s²	0.21 m/s²
Overrun	0 mm	0 mm

[1)] See assembly instruction for control and parameterizing unit MonTouch (BA-100157)

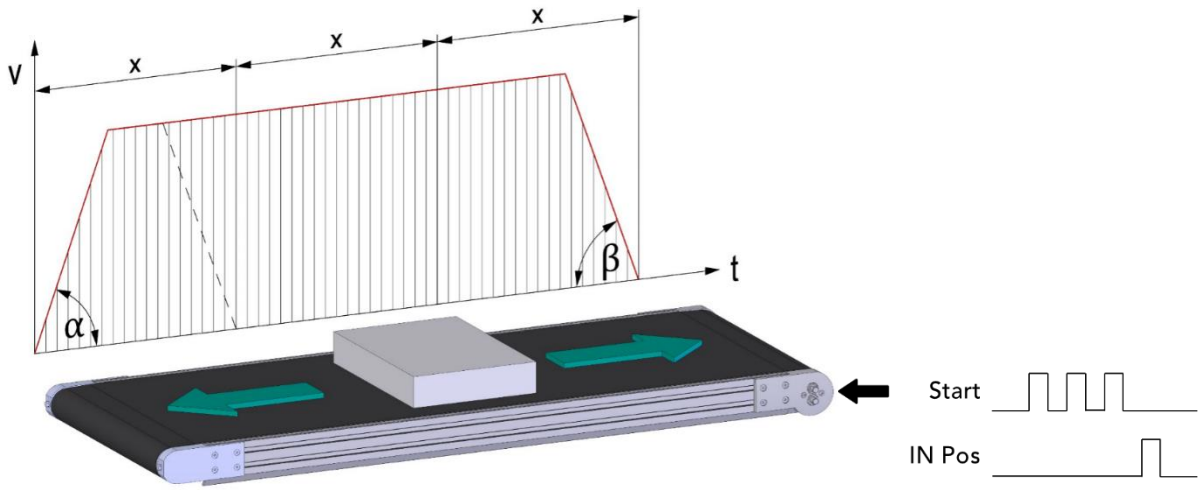
SPEED SETTING VIA ANALOG INPUT AIN 1 (PLC POSITION MODE)

With the stepless speed setting via the analog setpoint from 0...10 V, the resolution is 0...1023.



FUNCTION - POSITIONING

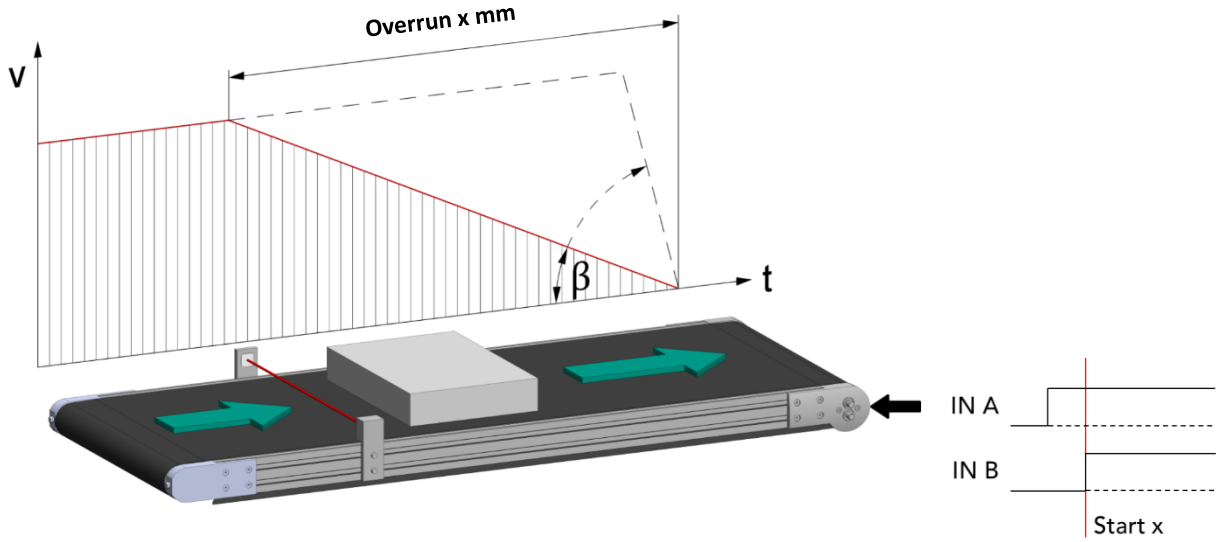
The number of pulses given to the TB40 determines how often the distance x is executed. The conveyor moves with parametrized acceleration to the positioning speed and then brakes again with parametrized deceleration.



FUNCTION «OVERRUN»

The overrun can be parametrized as an additional function with the control and parameterizing unit MonTouch (without the MonTouch, a defined overrun (fixed value) can be set at the factory on request). After receiving the stop command, the conveyor still executes a defined distance x before it comes to a standstill.

Application example:
A carton must stop under a filling station. The sensor that detects the arrival of the carton is located 300 mm in front of the filling station. In this case, the overrun is set to 300 mm. This allows the conveyor to be given a stop command at that moment when the carton passes the sensor. As a result, the carton will stop after 300 mm under the filling station. (Note: the sensor and the stop command must be controlled by the PLC. A Control via the TB40 is not possible).



TECHNICAL DATA CONVEYOR TB40

Ambient temperature		+10 to +40°C	
Rel. Humidity		<95% (without condensation)	
Air purity		normal workshop atmosphere	
Noise level		< 65 dBA	
Protection category of components		IP 64	
Drive		integrated into the drive roller	
Motor		Brushless EC motor with speed, current and position controller; sinusoidal commutation with field-oriented control up to n = 0	
Gear		planetary gear	
Gear reduction Belt speed Load in conveying mode[2)] Load in buffering mode		i=30 1 – 33.5 m/min (±10%) 80 kg (50 kg with knife edge) see table on page 21 - 24	i=80 0.25 - 12 m/min (±10%) 200 kg (180 kg with knife edge) max. 100 kg/m see table on page 21 - 24
Rated voltage		24 VDC	
Permitted supply voltage		20 … 28 VDC	
Nominal current		12.3 A	
Dimensioning power supply (recommendation)		rated current 20A, peak current 30A	
Nominal power output		251 W	
Setpoint setting		analog / PWM[3)] / frequenz[3)]	
Digital inputs		4	
Digital outputs		3	
Analog input		1 (0…10V)	
Anti-blocking function		thermal	
Overload protection		yes	
Belt width		300 / 400 / 500 / 600 / 700 / 800 mm	
Length of conveyor[4)]		360[5)] mm to 6000 mm (conveyors over 6000 mm on request)	
Material	Lateral profile Deflection roller Drive roller Gliding plate Connecting support Tabs Cable	aluminum, anodized natural stainless steel aluminum Selective nickel-plated / stainless steel aluminum, anodized natural, plastics aluminum polyurethane / copper	
Warranty		3 years Motor and gear 1 year Conveyor belts are wearing parts and thus excluded from the warranty.	

[2)] mode S1, ambient temperature 30°, belt type ENI-5EE

[3)] on request

[4)] recommended bandwidth to tape length ratio at least 1:1.2

[5)] with knife edge min. 400 mm

CONVEYOR WEIGHT

Type	Weight [kg] (Base length L=1000 mm)	Extension per meter [kg]
TB40-300	15.2	6.3
TB40-400	17.7	7.8
TB40-500	19.9	9.3
TB40-600	22.2	10.9
TB40-700	24.5	12.4
TB40-800	26.7	13.9

TECHNICAL DATA MONTURN

Ambient temperature		+10 to +40°C
Rel. Humidity		<95% (without condensation)
Air purity		normal workshop atmosphere
Protection category of components		IP 50
On-time		100%
Rated voltage		24 VDC
Permitted supply voltage		20 … 28 VDC
Nominal current		0.5 A
Inverse-polarity protection		no
Output signal		analog 0-10 V
Overload protection		yes
Material Casing		aluminum, anodized natural
	Cap	stainless steel
	Control knob	aluminum, anodized natural, synthetic
	Electronic assembly	plastics / fiber-reinforced plastics / metal
	Cable	polyurethane / copper

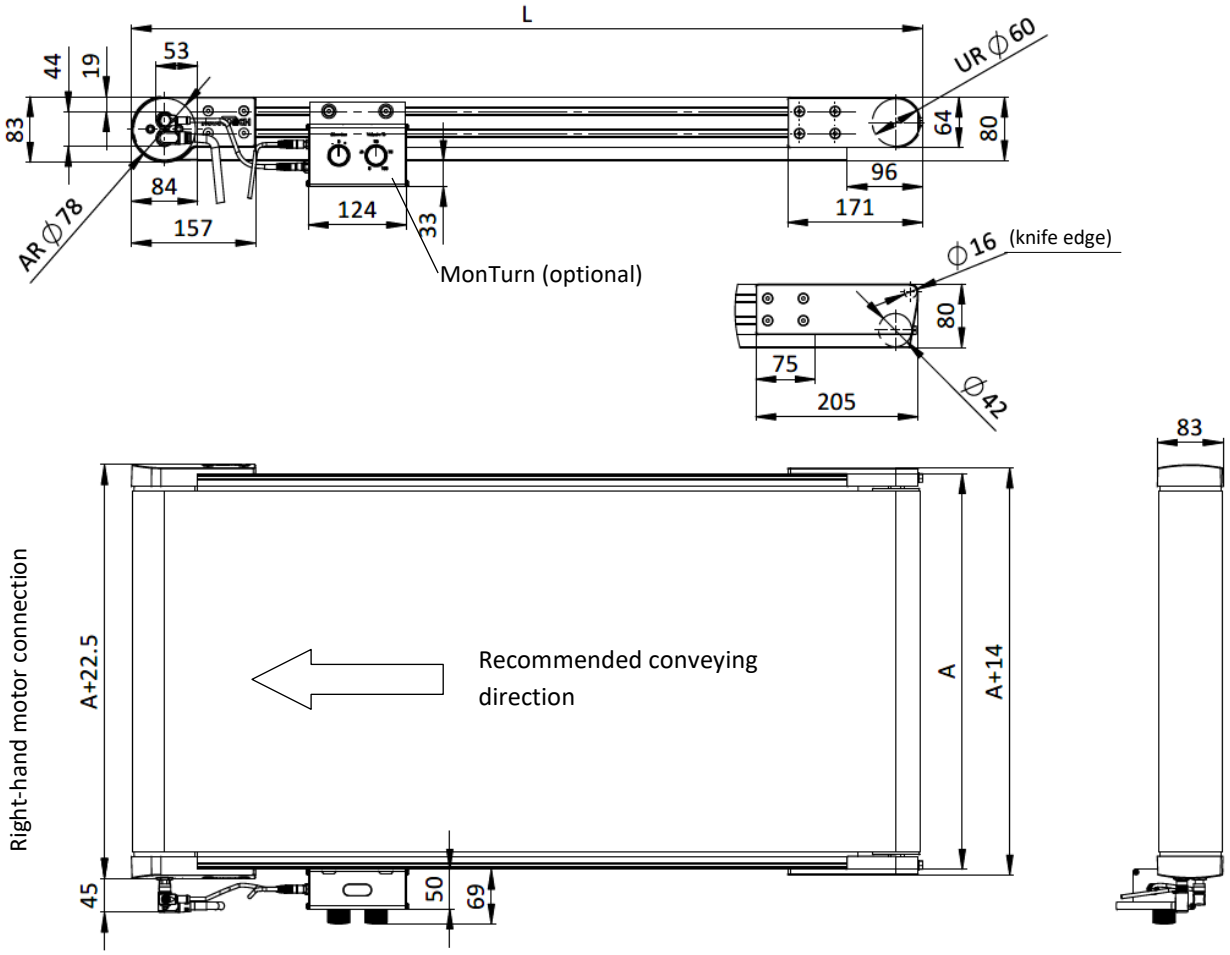
TECHNICAL DATA MONTOUCH

Ambient temperature	+10 to +40°C
Rel. Humidity	<95% (without condensation)
Air purity	normal workshop atmosphere
Protection category of components	IP 50
On-time	100%
Rated voltage	24 VDC
Permitted supply voltage	20 … 28 VDC
Nominal current	0.5 A
Inverse-polarity protection	no
Output signal	24 VDC
Overload protection	yes
Material Casing	aluminum, anodized natural
Cap	stainless steel
Display	resistive LCD touch screen 4.3“
Piezo switch	aluminum, anodized
Electronic assembly	plastics / fiber-reinforced plastics / metal
Seal	ethylene propylene diene rubber EPDM
Incidentals	stainless steel / brass
Cable	polyurethane / copper

General description	➔ Brushless EC motor ➔ Speed, current and position controllers ➔ Sinus commutated with field-oriented control up to n = 0 ➔ Adjustable acceleration and deceleration ramp ➔ Operation in speed control mode (positioning mode on request) ➔ Connection to control unit MonTurn possible ➔ Connection to parameterization unit MonTouch possible ➔ By default, 5 and 10 m cable sets ➔ Switching power supply 24 VDC available as accessory
Functions TB40 electronic (by default)	➔ Start / Stop by digital input ➔ Direction of rotation setting by digital input ➔ Selection of 3 preset speeds by digital input ➔ Stepless speed settings by analog input ➔ The following output messages can be parametrized to Out1, Out2 and Out3: o encoder A trace (only Out2) o encoder B Encoder (only Out3) o speed signal (adjustable speed reporting threshold) o current signal (adjustable current reporting threshold) o ready indication (factory setting Out1 and Out3) o position reached (position window adjustable) o temperature signal reached (adjustable temperature reporting threshold, factory setting 100°C on Out2) o RS485-mode
Connection type TB40	➔ Separate signal and power ➔ Metric plug connection for power and signal ➔ Operation by external control, MonTurn or MonTouch
Functions **control unit MonTurn**	➔ Signal and power are separated ➔ Stepless speed setting of 0-33.5 m/min by control knob ➔ MonTurn with cable set 5 and 10 m available
Control and parameterizing unit MonTouch	➔ Parameterization of the TB40 for operation via PLC o acceleration and deceleration ramps o fixed speeds v1, v2, v3 o travel distance, positioning window and positioning speed o overrun o output assignment Out1, Out2, Out3 ➔ Parameterization of the TB40 for PLC speed mode o Setting the acceleration ramp o Save three acceleration ramps o Rotation setting ➔ Parameterization of the TB40 for PLC position mode o Setting the travel distance and the positioning window o Setting the acceleration ramps o Setting the overrun o Setting the output assignment

Operation via control unit MonTouch	➔ Operation in speed mode ○ Setting the acceleration ramp ○ Save three acceleration ramps ○ Rotation setting ➔ Operation in positioning mode ○ Setting the acceleration ramp ○ Setting and saving the individual positioning application (travel distance, cycle time and holding time between cycles) ○ Selection of the cycle (travel direction continuous or reversing) ○ Rotation setting

DIMENSION DRAWING CONVEYOR TB40



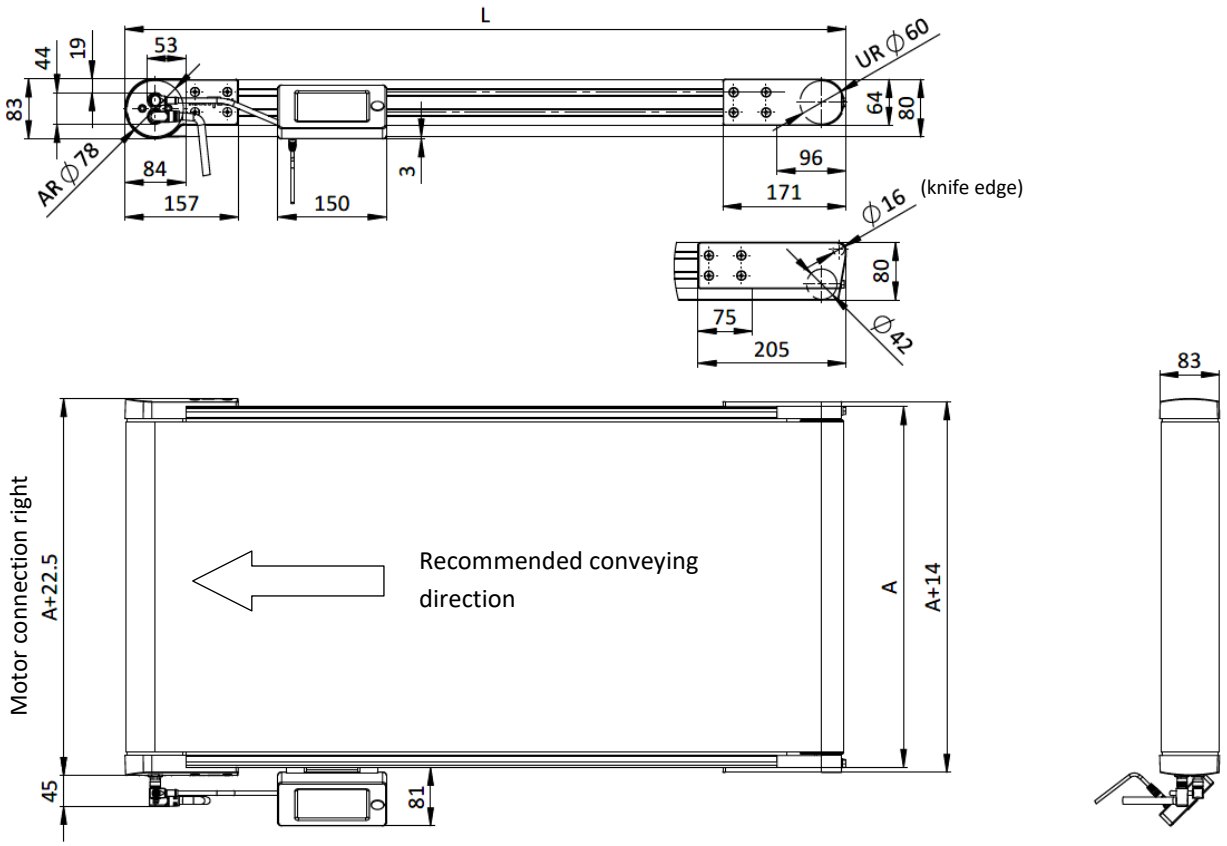
The motor connection can be chosen either on the right or left side.

AR: Drive roller
UR: Deflection roller

Type		TB40-300	TB40-400	TB40-500	TB40-600	TB40-700	TB40-800
A Chassis width	[mm]	300	400	500	600	700	800
L conveyor length	[mm]	max. length of conveyor is 6000 mm (longer conveyors on request)					
L_{min} conveyor length[5)]	[mm]	360[5)]	480[5)]	600	720	840	960

[5)] The minimum length of the conveyor depends on lateral guides, connection type and end section. For conveyors of widths 300 and 400 mm, dependent upon lateral guides and connection type, the minimal length according to the table below is valid.

config	lateral guide			connection type			minimum length [mm]	
	none	fixed	adjustable	Standard	MonTurn	MonTouch	TB40-300	TB40-400
1	X	X		X			360	480
2	X	X			X		460	480
3	X	X				X	480	480
4			X	X			500	500
5			X		X		520	520
6			X			X	540	540
With knife edge L_{min} +40 mm								



The motor connection can be chosen either on the right or left side.

AR: Drive roller
UR: Deflection roller

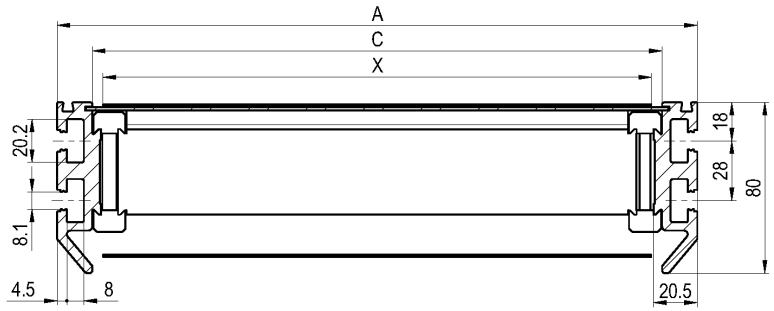
Type		TB40-300	TB40-400	TB40-500	TB40-600	TB40-700	TB40-800
A Chassis width	[mm]	300	400	500	600	700	800
L Conveyor length	[mm]	max. length of conveyor is 6000 mm (longer conveyors on request)					
L_{min} Conveyor length[5)]	[mm]	360[5)]	480[5)]	600	720	840	960

[5)] The minimum length of the conveyor depends on lateral guides, connection type and end section. For conveyors of widths 300 and 400 mm, dependent upon lateral guides and connection type, the minimal length according to the table below is valid.

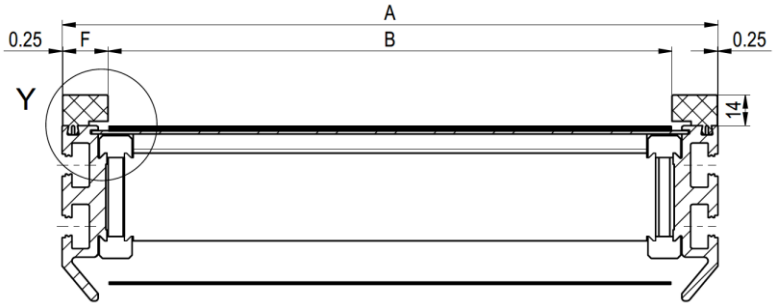
config	lateral guide			connection type			minimum length [mm]	
	none	fixed	adjustable	Standard	MonTurn	MonTouch	TB40-300	TB40-400
1	X	X		X			360	480
2	X	X			X		460	480
3	X	X				X	480	480
4			X	X			500	500
5			X		X		520	520
6			X			X	540	540
With knife edge L_{min} +40 mm								

BUILDUP / CROSS SECTION CONVEYOR TB40

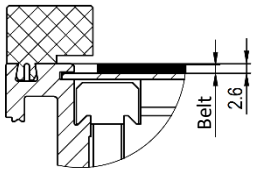
without lateral guides



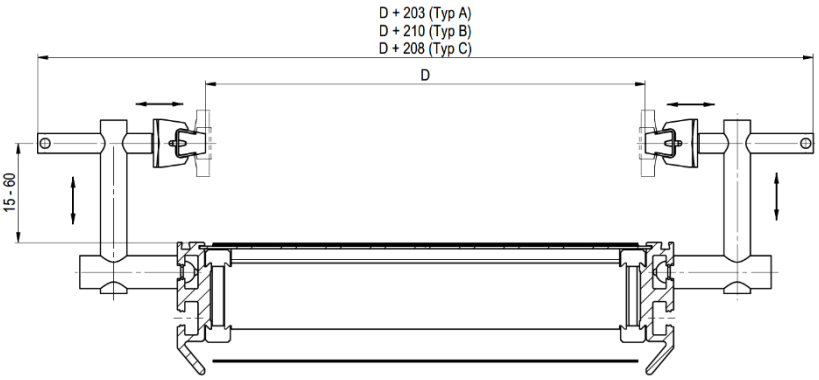
with lateral guides fixed



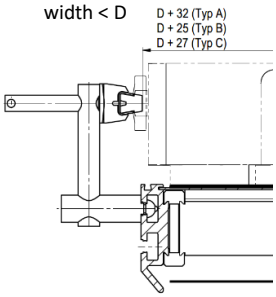
View Y



with adjustable lateral guides
(different lateral guides shapes selectable, support width product ≤ D)



special case:
Only for products with support width < D



Type		TB40-300	TB40-400	TB40-500	TB40-600	TB40-700	TB40-800
A Chassis width	[mm]	300	400	500	600	700	800
B Conveyor width ± 0.5 (Lateral guide fixed)	[mm]	212 – 266	312 – 366	412 – 466	512 – 566	612 – 666	712 - 766
X Belt width	[mm]	257	357	457	557	657	757
C Chassis width inside	[mm]	267	367	467	567	667	767
F lateral guide width	[mm]	depends on conveying width B					
E Conveyor width (Adjustable lateral guides type A)	[mm]	208 – 266	308 – 366	408 – 466	508 – 566	608 – 666	708 - 766
E Conveyor width (Adjustable lateral guides type B)	[mm]	201 – 266	301 – 366	401 – 466	501 – 566	601 – 666	701 - 766
E Conveyor width (Adjustable lateral guides type C)	[mm]	203 – 266	303 – 366	403 – 466	503 – 566	603 – 666	703 - 766

BELT TYPES

PRICE CLASS 0: BEST PRICE

Manufacturer's designation			F-5ENWT 09 (possible alternative for FNB-5E)	FNI-5EMWT-W2 (possible alternative for FNI-5E)	H-5EFGT 14 (possible alternative for HNB-5E)	NAB-7EEDV (possible alternative for NAB-8EEDV11)
Belt-code			62	64	65	66
Thickness		[mm]	1.8	1.1	1.2	2.1
Mass		[kg/m²]	1.9	1.0	1.4	2.4
Min. drum diameter		[mm]	25	15	15	25
Edge radius		[mm]	R7	R2	R4	-
$k_{1\%}$ after relaxation		[N/mm]	6	5	6.5	6.5
$k_{perm.}$		[N/mm]	15	13	15	15
Operating temp., cont.		[°C]	-20/80	-10/90	-30/90	-10/70
Field of use			L	L	L	Mo
Method of transportation	horizontal		yes	yes	yes	yes
	buffering		yes	yes	no	no
	rejection of goods		no	yes	no	no
	inclined		yes	yes	yes	yes
Surface of conveying side			smooth	impregnated fabric	smooth	smooth
Color transport surface			white	white	green	dark green
Antistatic			yes	yes	yes	yes
Suitable for food			EU/FDA	EU/FDA	EU/FDA	no
Cleats			yes	no	yes	yes
Suitable for knife edge			yes	yes	yes	no

Coefficient of friction of steel workpiece on belt (transport surface)
(The values listed below serve as guideline values)

		F-5ENWT 09	FNI-5EMWT-W2	H-5EFGT 14	NAB-7EEDV
Workpiece of steel		0.6	0.4	0.75	2

Legend:

$k_{1\%}$	Required force for 1% elongation
$k_{perm.}$	Maximum permissible force
L	Food
Ch	Chemistry
Ho	High-performance belt, heat-resistant, high mechanical and chemical resistance
Mo	Mounting systems, general
El	Electronics industry (electrically conductive)
Ph	Pharmaceuticals
Oe	Effect of oil and grease
FDA	Complies with US-American food regulations[6] (Food and Drug Administration)
EU	Complies with European food regulations[6]

[6] For detailed information refer to the belt's data sheet.

Load limit [kg]
(The values for buffering mode listed below serve as guideline values)

Gear ratio		F-5ENWT 09	FNI-5EMWT-W2	H-5EFGT 14	NAB-7EEDV
i = 30	Conveying mode	80	80	80	80
(v = 1 - 33.5 m/min)	Buffering mode	24	31	-	-
i = 80	Conveying mode	200	200	200	200
(v = 0.25 - 12 m/min)	Buffering mode	59	77	-	-
With knife edge					
i = 30	Conveying mode	50	50	50	-
(v = 1 - 33.5 m/min)	Buffering mode	15	20	-	-
i = 80	Conveying mode	180	180	180	-
(v = 0.25 - 12 m/min)	Buffering mode	52	69	-	-

PRICE CLASS 0: BEST PRICE

Manufacturer's designation			H-6EHDT (possible alternative for HAT-5E)	WVT-118 (possible alternative for ENI-5EE)	FMB-5EMWT-W2 (possible alternative for FAB-5E)	NHB-5EKBV	NAB-8EEDV 11
Belt-code			67	68	69	54	59
Thickness		[mm]	1.7	0.95	1.25	1.0	2.1
Mass		[kg/m²]	1.7	1.0	1.4	1.2	2.4
Min. drum diameter		[mm]	25	25	15	25	30
Edge radius		[mm]	-	R12	R2	-	-
$k_{1\%}$ after relaxation		[N/mm]	4.4	5	6	3.2	6
$k_{perm.}$		[N/mm]	11	8	8	5	15
Operating temp., cont.		[°C]	-30/80	-20/80	-30/100	-10/70	-10/70
Field of use			Ho, Mo, Oe	Mo	L	Mo, El	L, Ch, Ph
Method of transportation	horizontal		yes	yes	yes	yes	yes
	buffering		no	yes	no	yes	no
	rejection of goods		yes	yes	no	no	yes
	inclined		yes	yes	yes	no	yes
Surface of conveying side			smooth	impregnated fabric	smooth	smooth	smooth
Color transport surface			dark green	light gray	white	black	dark green
Antistatic			yes	yes	yes	yes	yes
Suitable for food			no	no	EU/FDA	no	no
Cleats			yes	no	yes	yes	yes
Suitable for knife edge			no	no	yes	no	no

Coefficient of friction of steel workpiece on belt (transport surface)
(The values listed below serve as guideline values)

		H-6EHDT	WVT-118	FMB-5EMWT-W2	NHB-5EKBV	NAB-8EEDV 11
Workpiece of steel		2	0.4	0.75	0.35	2

Legend:

$k_{1\%}$	Required force for 1% elongation
$k_{perm.}$	Maximum permissible force
L	Food
Ch	Chemistry
Ho	High-performance belt, heat-resistant, high mechanical and chemical resistance
Mo	Mounting systems, general
El	Electronics industry (electrically conductive)
Ph	Pharmaceuticals
Oe	Effect of oil and grease
FDA	Complies with US-American food regulations[6] (Food and Drug Administration)
EU	Complies with European food regulations[6]

[6] For detailed information refer to the belt's data sheet.

Load limit [kg]
(The values for buffering mode listed below serve as guideline values)

Gear ratio		H-6EHDT	WVT-118	FMB-5EMWT-W2	NHB-5EKBV	NAB-8EEDV 11
i = 30	Conveying mode	80	80	80	80	80
(v = 1 - 33.5 m/min)	Buffering mode	-	31	-	33	-
i = 80	Conveying mode	200	200	200	200	200
(v = 0.25 - 12 m/min)	Buffering mode	-	77	-	83	-
With knife edge						
i = 30	Conveying mode	-	-	50	-	-
(v = 1 - 33.5 m/min)	Buffering mode	-	-	-	-	-
i = 80	Conveying mode	-	-	180	-	-
(v = 0.25 - 12 m/min)	Buffering mode	-	-	-	-	-

PRICE CLASS 1: STANDARD

Manufacturer's designation			FNB-5E	FNI-5EIWH-P1	HNB-5E 14
Belt-code			10	12	20
Thickness		[mm]	1.3	0.95	1.3
Mass		[kg/m²]	1.5	0.85	1.5
Min. drum diameter		[mm]	15	15	15
Edge radius		[mm]	R4	R4	R4
$k_{1\%}$ after relaxation		[N/mm]	4.6	4.6	4.8
$k_{perm.}$		[N/mm]	11	11	11
Operating temp., cont.		[°C]	-15/80	-40/110	-20/90
Field of use			L, Ch, Ph	L	L, Ch, Ph, Mo, Oe
Method of transportation	horizontal		yes	yes	yes
	buffering		yes	yes	yes
	rejection of goods		yes	yes	yes
	inclined		no	no	yes
Surface of conveying side			smooth	impregnated fabric	smooth
Color transport surface			white	white	green
Antistatic			yes	yes	yes
Suitable for food			EU/FDA	EU/FDA	EU/FDA
Cleats			yes	no	yes
Suitable for knife edge			yes	yes	yes

Coefficient of friction of steel workpiece on belt (transport surface) (The values listed below serve as guideline values)				
		FNB-5E	FNI-5EIWH-P1	HNB-5E 14
Workpiece of steel		0.35	0.25	0.45

Legend:

$k_{1\%}$	Required force for 1% elongation
$k_{perm.}$	Maximum permissible force
L	Food
Ch	Chemistry
Ho	High-performance belt, heat-resistant, high mechanical and chemical resistance
Mo	Mounting systems, general
El	Electronics industry (electrically conductive)
Ph	Pharmaceuticals
Oe	Effect of oil and grease
FDA	Complies with US-American food regulations[6] (Food and Drug Administration)
EU	Complies with European food regulations[6]

[6] For detailed information refer to the belt's data sheet.

Load limit [kg] (The values for buffering mode listed below serve as guideline values)				
Gear ratio		FNB-5E	FNI-5EIWH-P1	HNB-5E 14
i = 30	Conveying mode	80	80	80
(v = 1 - 33.5 m/min)	Buffering mode	33	40	29
i = 80	Conveying mode	200	200	200
(v = 0.25 - 12 m/min)	Buffering mode	83	100	71
With knife edge				
i = 30	Conveying mode	50	50	50
(v = 1 - 33.5 m/min)	Buffering mode	22	26	18
i = 80	Conveying mode	180	180	180
(v = 0.25 - 12 m/min)	Buffering mode	74	89	64

PRICE CLASS 2: HIGH CLASS

Manufacturer's designation			ENI-5EE	HAT-5E 15
Belt-code			15	21
Thickness		[mm]	1.2	1.5
Mass		[kg/m²]	1.2	1.8
Min. drum diameter		[mm]	20	25
Edge radius		[mm]	R4	-
$k_{1\%}$ after relaxation		[N/mm]	4.2	4.8
$k_{perm.}$		[N/mm]	11	12
Operating temp., cont.		[°C]	-30/80	0/80
Field of use			Mo, El	Ho
Method of transportation	horizontal		yes	yes
	buffering		yes	no
	rejection of goods		yes	no
	inclined		yes [1)]	yes [2)]
Surface of conveying side			impregnated fabric	structured
Color transport surface			black	green
Antistatic			yes	yes
Suitable for food			no	no
Cleats			no	no
Suitable for knife edge			yes	no

[1)] up to 8°, dependent on belt

[2)] up to 30°, dependent on belt

Coefficient of friction of steel workpiece on belt (transport surface) (The values listed below serve as guideline values)			
		ENI-5EE	HAT-5E 15
Workpiece of steel		0.25	1

Legend:

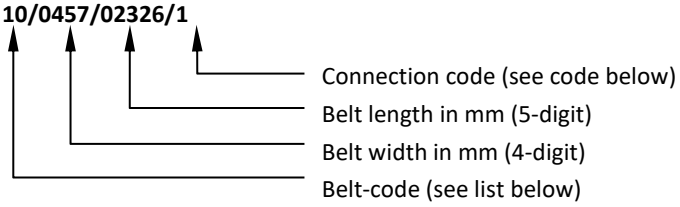
$k_{1\%}$	Required force for 1% elongation
$k_{perm.}$	Maximum permissible force
L	Food
Ch	Chemistry
Ho	High-performance belt, heat-resistant, high mechanical and chemical resistance
Mo	Mounting systems, general
El	Electronics industry (electrically conductive)
Ph	Pharmaceuticals
Oe	Effect of oil and grease
FDA	Complies with US-American food regulations[6)] (Food and Drug Administration)
EU	Complies with European food regulations[6)]

[6)] For detailed information refer to the belt's data sheet.

Load limit [kg] (The values for buffering mode listed below serve as guideline values)			
Gear ratio		ENI-5EE	HAT-5E 15
i = 30	Conveying mode	80	80
(v = 1 - 33.5 m/min)	Buffering mode	40	-
i = 80	Conveying mode	200	200
(v = 0.25 - 12 m/min)	Buffering mode	100	-
With knife edge			
i = 30	Conveying mode	50	-
(v = 1 - 33.5 m/min)	Buffering mode	26	-
i = 80	Conveying mode	180	-
(v = 0.25 - 12 m/min)	Buffering mode	89	-

LIST OF BELT CODES

Structure of our order code: **10/0457/02326/1**



Belt no.	Belt designation	Connection code
10	FNB-5E	1 / 2/ 3 / 4
12	FNI-5EIWH-P1	1 / 2/ 3 / 4
15	ENI-5EE	1 / 2 / 3 / 4
20	HNB-5E 14	1 / 2 / 3 / 4
21	HAT-5E 15	1 / 3 / 4
54	NHB-5EKBV	1 / 3 / 4
59	NAB-8EEDV 11	1 / 3 / 4
62	F-5ENWT 09	1 / 3 / 4
64	FNI-5EMWT-W2	1 / 2/ 3 / 4
65	H-5EFGT 14	1 / 2/ 3 / 4
66	NAB-7EEDV	1 / 3 / 4
67	H-6EHDT	1 / 2/ 3 / 4
68	WVT-118	1 / 3 / 4
69	FMB-5EMWT-W2	1 / 2 / 3 / 4

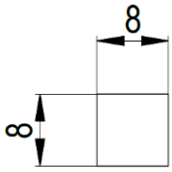
Connection code 1 = endless flexproof
Connection code 2 = endless thermofix
Connection code 3 = open beveled
Connection code 4 = cut square

Prefer connection code 1 above 2!

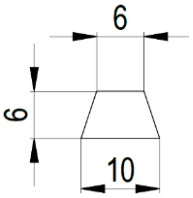
For replacement belts you find the needed information on the identification plate of the Conveyor TB40 (Type of belt, width, and length).

CLEATS FOR CONVEYOR TB40 [7)]

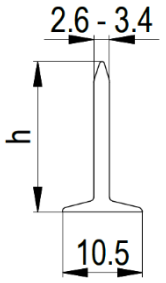
Manufacturer's designation		E-PQ08-SA	E-PQ08-SD	E-PQ08-FG	E-PQ08-FW
Color		anthracite	dark green	green	white
Suitable for belt type		NAB-7EEDV NAB-8EEDV 11 NHB-5EKBV		F-5ENWT 09 FMB-5EMWT-W2 H-5EFGT 14 H-6EHDT FNB-5E HNB-5E 14	
Min. cleat spacing A [8)]	[mm]	40			



Manufacturer's designation		E-PV10-SA	E-PV10-SD	E-PV10-FG	E-PV10-FW
Color		anthracite	dark green	green	white
Suitable for belt type		NAB-7EEDV NAB-8EEDV 11 NHB-5EKBV		F-5ENWT 09 FMB-5EMWT-W2 H-5EFGT 14 H-6EHDT FNB-5E HNB-5E 14	
Min. cleat spacing A [8)]	[mm]	40			



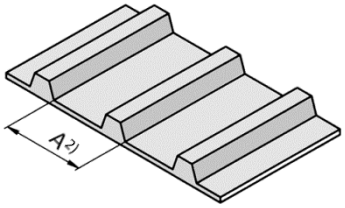
Manufacturer's designation		E-PN..-FW	E-PN..-FG	E-PN..-FD
Color		white	green	dark green
Suitable for belt type		F-5ENWT 09 FMB-5EMWT-W2 H-5EFGT 14 H-6EHDT FNB-5E HNB-5E 14		
Min. cleat spacing A [8)]	[mm]	25		
Cleat height h	[mm]	20 (E-PN20-FW) 30 (E-PN30-FW) 40 (E-PN40-FW)	20 (E-PN20-FG) 30 (E-PN30-FG) 40 (E-PN40-FG)	20 (E-PN20-FD) 30 (E-PN30-FD) 40 (E-PN40-FD)



Cleat spacing [2)]

$$\text{Cleat spacing A} = \frac{\text{2 x length L [mm]}^{9)}+67}{\text{number of cleats}}$$

$$\text{Number of cleats} = \frac{\text{2 x length L [mm]}^{9)}+67}{\text{cleat spacing A}}$$



NOTE!
If not noted otherwise on the order, we assume the following: Cleat width = Belt width

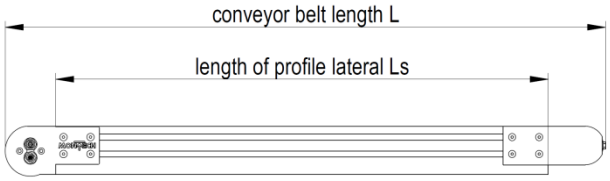
[7)] Cleated belts require at least two weeks delivery time

[8)] The tolerance of the cleat spacing A is ± 2mm

[9)] Length L see page 18

CALCULATION FORMULAS

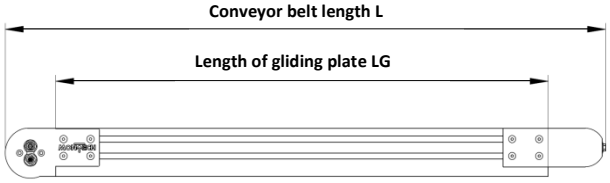
CALCULATION OF THE LATERAL PROFILE LENGTH



Formula lateral profile length:
Ls = L – 180 mm

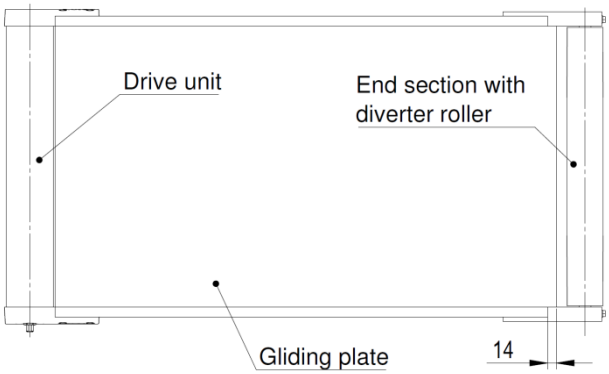
Formula lateral profile length: with knife edge
Ls = L – 214 mm

CALCULATION GLIDING PLATE LENGTH



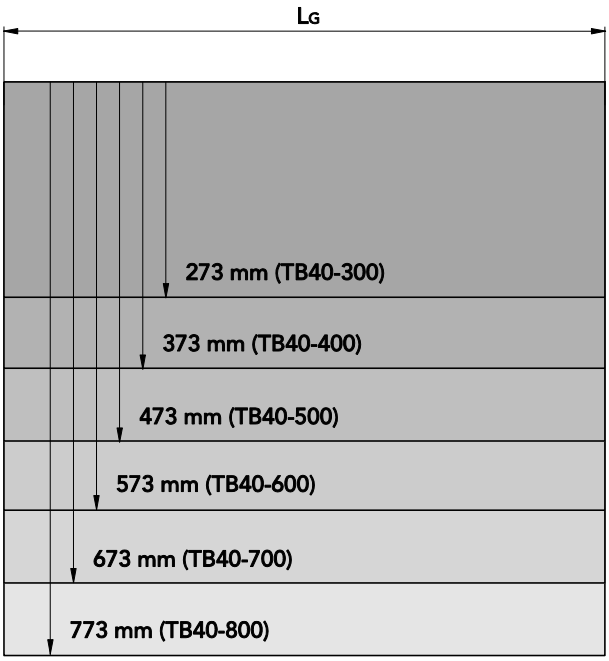
Formula gliding plate length:
L_G = L - 166 mm

Formula gliding plate length: with knife edge
L_G = L - 105 mm

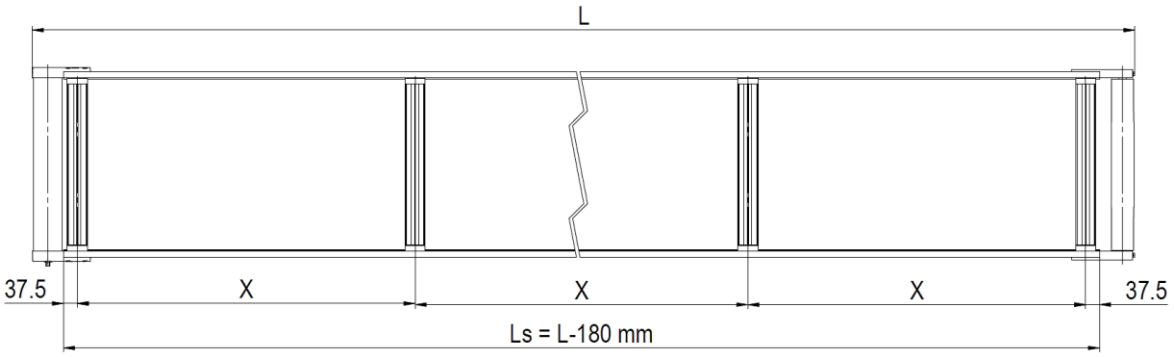


On the deflection roller side, the gliding plate is 14 mm longer than the side profile.
On the deflection roller side with knife edge, the gliding plate is 109 mm longer than the side profile.

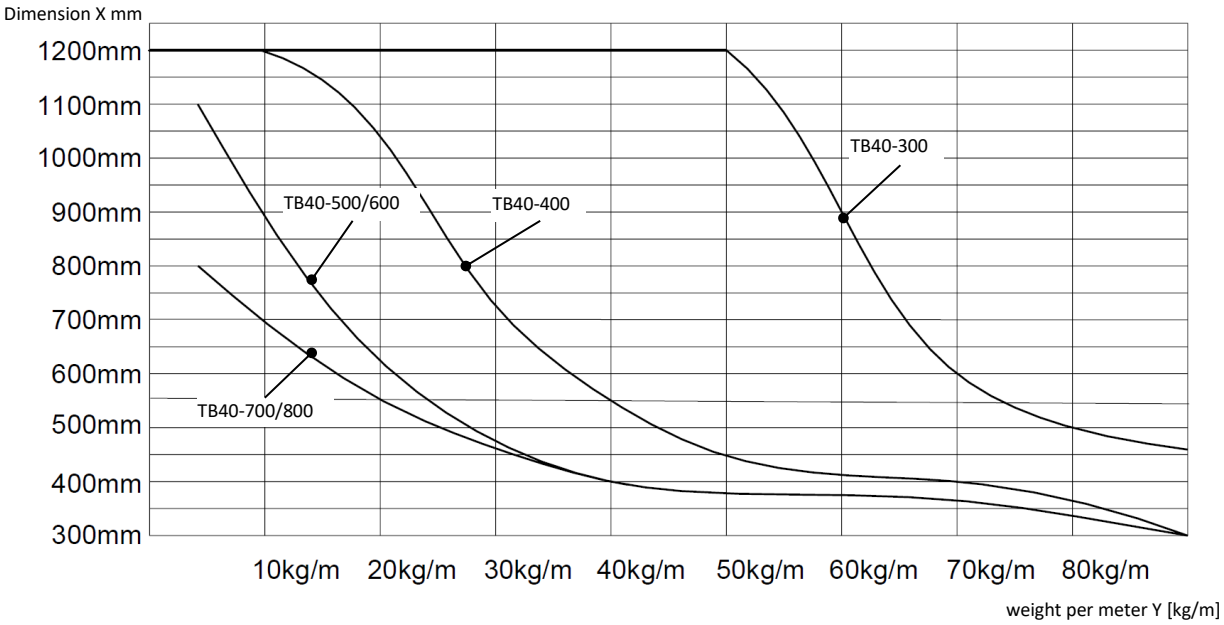
GLIDING PLATE WIDTH



SUPPORT SPACING CALCULATION



L in mm	Length of conveyor
Ls in mm	Length of lateral profile
Dimension X in mm	Spacing between supports
Weight Y per meter in kg/m	The designation stands fort the load per 1000 mm belt length. The total loading over the entire length of the conveyor must not exceed 80/200 kg maximum in conveying mode, refer to table of load limits on pages 21 - 24. The load per 1000 mm must not exceed 100 kg.



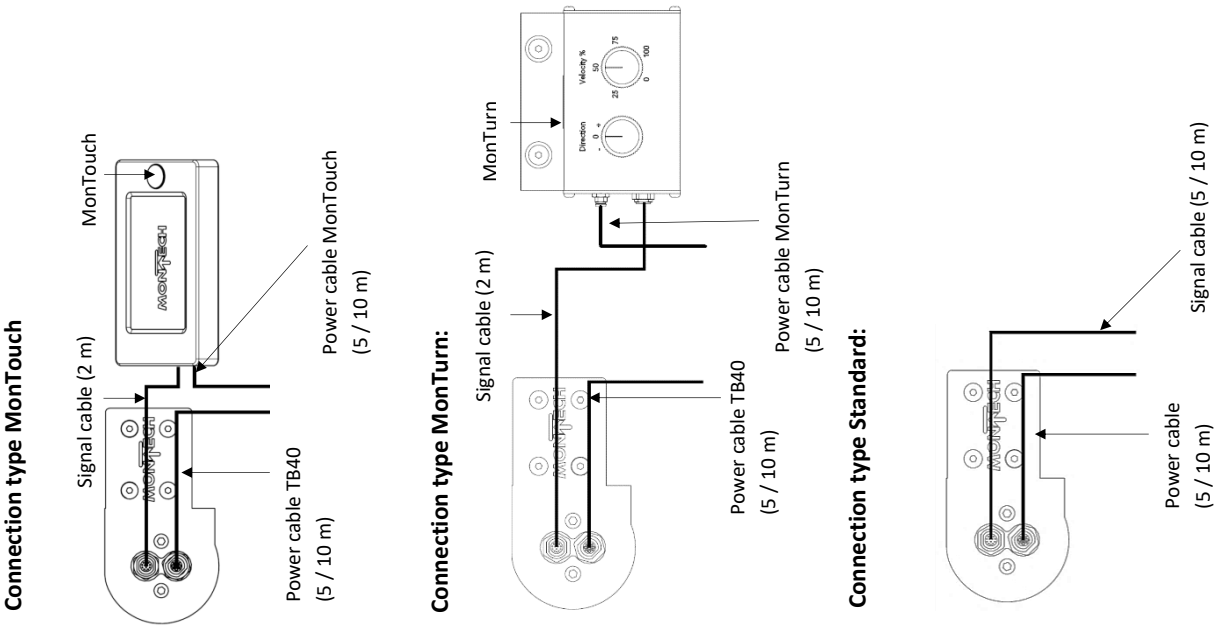
Due to high surface loading, additional supports are necessary to increase the stability of the gliding plate. The optimum number of supports is calculated from the diagram above.

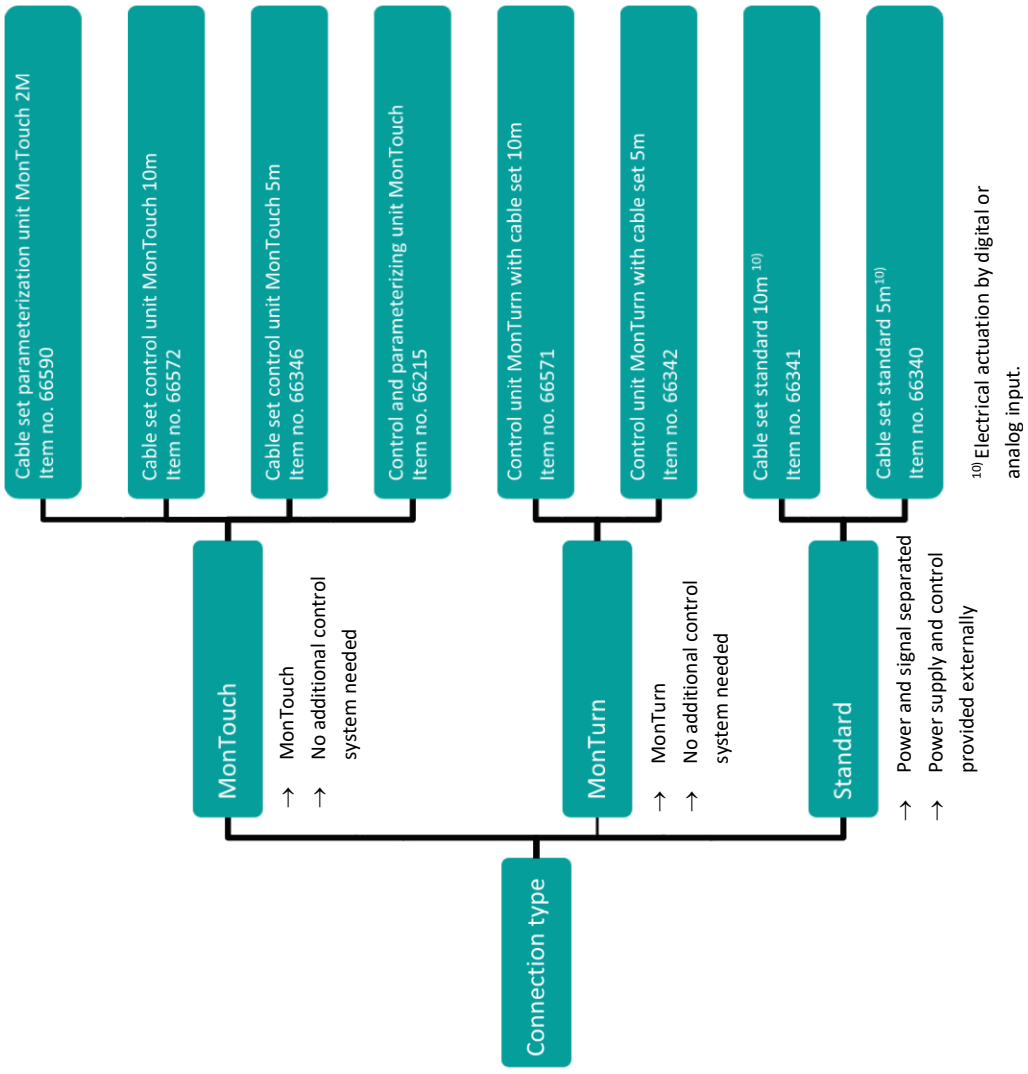
Determination of support spacing (dimension X in mm):

1. Determine belt load per meter (e.g. 50 kg/m).
2. Choose the curve of the respective conveyor belt (e.g. TB40-400).
3. Determine points of intersection between curve and weight per meter Y and read dimension X from the table (gives a dimension of 450mm).

CONNECTION TYPES

The conveyor TB40 can be integrated in a system or used as stand-alone solution. For these purposes the following connection types are available.





COMPONENTS CONVEYOR TB40

Drive unit, connection type right	Item no.
v = 1 – 33.5 m/min. / i = 30	
TB40-300-ZLR	66053
TB40-400-ZLR	66054
TB40-500-ZLR	66055
TB40-600-ZLR	66056
TB40-700-ZLR	66057
TB40-800-ZLR	66058
v = 0.25 – 12 m/min. / i = 80	
TB40-300-80R	67296
TB40-400-80R	66048
TB40-500-80R	66049
TB40-600-80R	66050
TB40-700-80R	66051
TB40-800-80R	66052

Drive unit TB40, connection type left	Item no.
v = 1 – 33.5 m/min. / i = 30	
TB40-300-ZLL	66072
TB40-400-ZLL	66073
TB40-500-ZLL	66074
TB40-600-ZLL	66075
TB40-700-ZLL	66076
TB40-800-ZLL	66077
v = 0.25 – 12 m/min. / i = 80	
TB40-300-80L	67297
TB40-400-80L	66078
TB40-500-80L	66079
TB40-600-80L	66080
TB40-700-80L	66081
TB40-800-80L	66082

End section with deflection roller ø60	Item no.
TB40-300	58042
TB40-400	58043
TB40-500	58044
TB40-600	58045
TB40-700	58046
TB40-800	58047

End section with knife edge ø16	Item no.
TB40-300	68029
TB40-400	68027
TB40-500	68025
TB40-600	68023
TB40-700	68021
TB40-800	68018

Connecting support TB40*	Item no.
TB40-300	49586
TB40-400	49587
TB40-500	49588
TB40-600	49589
TB40-700	49590
TB40-800	49591

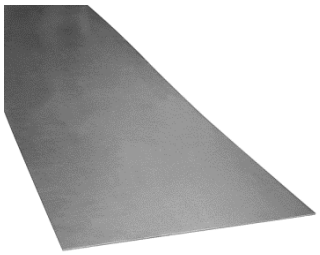
*min. 2 pieces

Lateral profile TB40	Item no.
	49405/...[11]

[11] customer-specific in mm, max. 3000 mm

Gliding plate TB40 sendzimir galvanised	Item no.
TB40-300 B=273 L=...[11]	54869/0273/...[11]
TB40-400 B=373 L=...[11]	54869/0373/...[11]
TB40-500 B=473 L=...[11]	54869/0473/...[11]
TB40-600 B=573 L=...[11]	54869/0573/...[11]
TB40-700 B=673 L=...[11]	54869/0673/...[11]
TB40-800 B=773 L=...[11]	54869/0773/...[11]

[11] customer-specific in mm, max. 3000mm



Gliding plate TB40 stainless	Item no.
TB40-300 B=273 L=...[11]	54868/0273/...[11]
TB40-400 B=373 L=...[11]	54868/0373/...[11]
TB40-500 B=473 L=...[11]	54868/0473/...[11]
TB40-600 B=573 L=...[11]	54868/0573/...[11]
TB40-700 B=673 L=...[11]	54868/0673/...[11]
TB40-800 B=773 L=...[11]	54868/0773/...[11]

[11] customer-specific in mm, max. 3000mm

NOTE!
The order code of the conveyor belt can be taken from page 25.

CONNECTOR COMPONENTS CONVEYOR TB40

Cable set standard	Item no.
5 m	66340
10 m	66341

comprises power and signal cable

Switching power supply 24VDC 20A	Item no.
	522208

Available as an accessory.

Control unit MonTurn with cable set	Item no.
5 m	66342
10 m	66571

consisting of:
MonTurn
Signal cable TB40 ↔ MonTurn, 2 m
Power cable TB40, 5 or 10 m
Power cable MonTurn, 5 or 10 m

Control and parameterizing unit MonTouch	Item no.
Operator interface German / English	66215

Cable set for MonTouch as operating unit	Item no.
5 m	66346
10 m	66572

consisting of:
Signal cable TB40 ↔ MonTouch, 2 m
Power cable TB40, 5 resp. 10 m
Power cable MonTouch, 5 resp. 10 m

Cable set for MonTouch as parameterization unit	Item no.
	66590

consisting of:
Signal cable TB40 ↔ MonTouch, 2 m
Power split cable TB40, 2 m

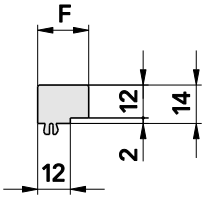
TECHNICAL DATA SWITCHING POWER SUPPLY 24VDC, 20A

Item no.	522208
Ambient temperature	-25 to +70 °C
Rel. Humidity	< 95 % (without condensation)
Air purity	normal workshop atmosphere
Protection category of components	IP 20
Rated power	480 W
Input voltage range	85-264 VAC / 47-63 Hz
Output voltage	24 VDC
Continuous current at output	0-20 A
Peak current at output	30 A
Efficiency	94 %
Dimensions	85.5x125.2x128.5 mm
Environmental information	RoHS-conformal
Material casing	stainless steel / synthetic
cable	polyurethane / copper
Installation	on a DIN track

NOTE!
Mounting of switching power supply on DIN-rail in accordance with DIN-17615.
The Quick-Set DIN rail profile (62521N1000 or 62521N2000) can be found on www.montech.com.

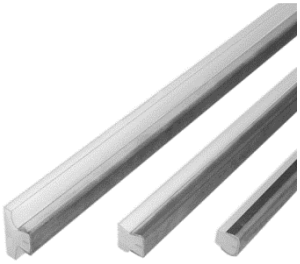
ACCESSORIES CONVEYOR TB40

Lateral guide fixed L = 2000 mm	Item no.	
	white	black (antistatic)
F = 20.75	28186	28186S
F = 26.75	32071	32071S
F = 35.75	28188	28188S
F = 43.75	67425	67425S

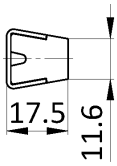


In addition to the standard widths, project-specific lateral guides are also available.

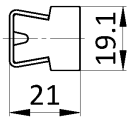
Lateral guide	L [mm]	Item no.	
		white	black (antistatic)
Typ A	1000	504985/1000	522622/1000
	2000	504985/2000	522622/2000
	3000	504985/3000	522622/3000
Typ B	1000	504986/1000	522623/1000
	2000	504986/2000	522623/2000
	3000	504986/3000	522623/3000
Typ C	1000	504987/1000	522624/1000
	2000	504987/2000	522624/2000
	3000	504987/3000	522624/3000



Type A

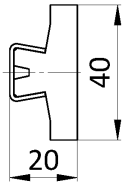


Type B



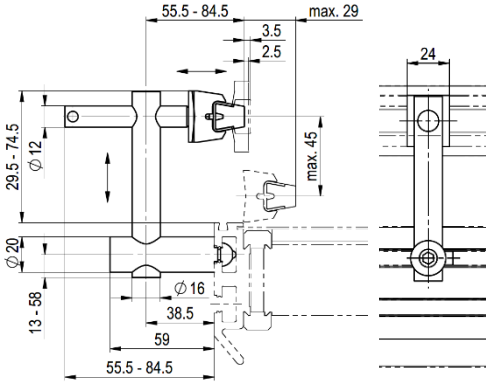
Note: Adjustable lateral guides are available for conveyors with a minimum length of 500mm.

Type C



Holder adjustable for lateral guide Type A/B/C	Item no.
	50094

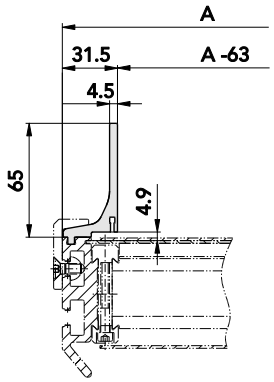
For type A, B and C:



0-1400mm = 2 holders
1400-2400mm = 3 holders
2400-3000mm = 4 holders

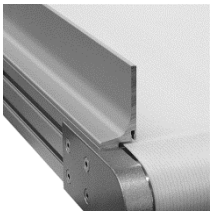
Lateral guide aluminium

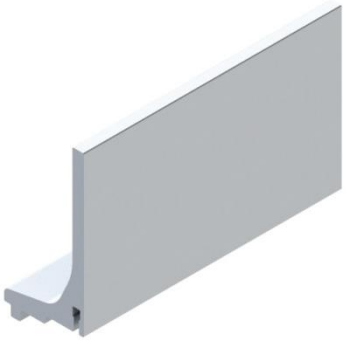
Item no.
54263/0000[11)]



[11)] customer-specific in mm, max. 3000mm

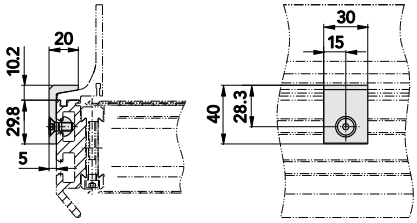
Note: Aluminum lateral guides are available for conveyors with a minimum length of 400 mm.





Holder for lateral guide aluminium

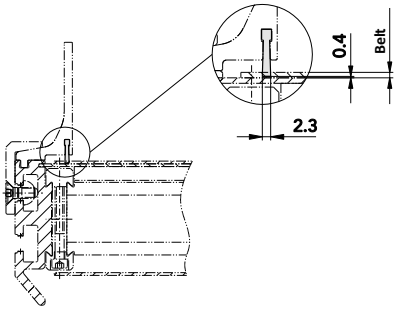
Item no.
54864

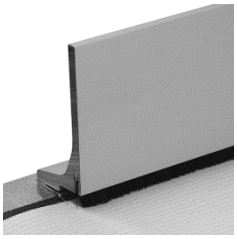


0-1400mm = 2 holders
1400-2000mm = 3 holders

Contact brush for lateral guide L =2000 mm

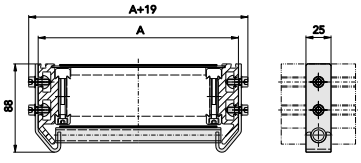
Item no.
508390



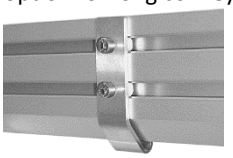


Belt support

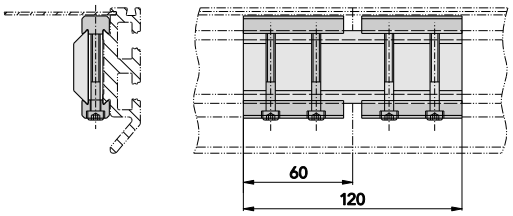
	A [mm]	Item no.
TB40-300	300	50085
TB40-400	400	50086
TB40-500	500	50087
TB40-600	600	50088
TB40-700	700	50089
TB40-800	800	50090

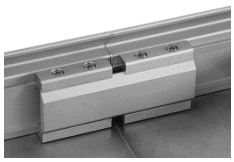


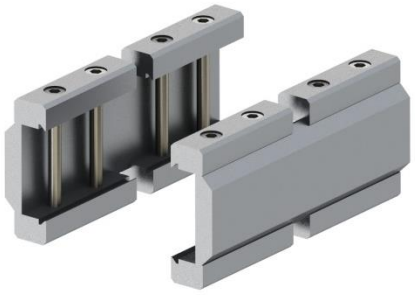
option for long conveyor belts



Lateral profile connector	Item no.
	49597 (Pair)

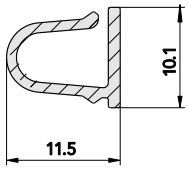




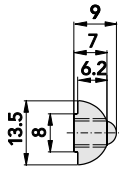


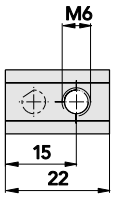
The TB40 is shipped in units of max. 3 m length. Conveyor belts over 3 m length are composed of several lateral profiles/gliding plates. For each connecting point a pair of lateral profile connectors is needed. Support is required on both sides of a separation.

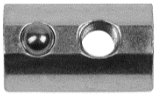
Cover for T-slots TB40 (aluminium)	Item no.
per meter	49505



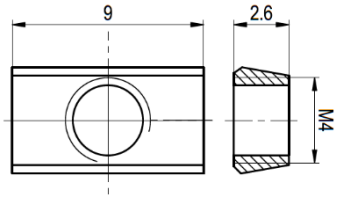
T-slots insert nut pivotable M6	Item no.
	506969

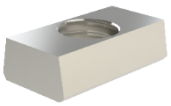




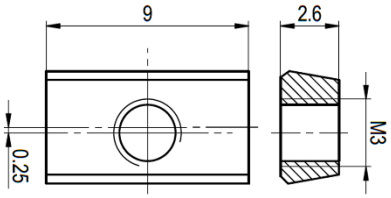


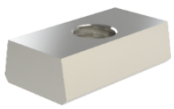
Slot insert M4 for lateral guide	Item no.
	63104





Slot insert eccentric M3 for lateral guide	Item no.
	63117





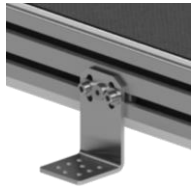
FLOOR STANDS / TABLE STAND TB40

Conventions for item numbers and names/short name

As a rule, all items have a 5-digit item number. The item number is completed with the width, height, joint, length or variant of the feet.

Product	Designation code	Item number	Explanation
Floor stands telescopic	**BS40-T-□□□-□□□x□□□-□-□-□□**	□□□□□/□□□□/□/□□	
		□□□□□/□□□□/□/□□	Basic item number (basic structure)
	BS40-T-□□□-□□□x□□□-□-□-□□		Table stand for TB40/GTB conveyor abbreviation
	BS40-T-□□□-□□□x□□□-□-□-□□		Height adjustable (telescopic)
	BS40-T-□□□-□□□x□□□-□-□-□□	□□□□□/□□□□/□/□□	Conveyor size
	BS40-T-□□□-□□□x□□□-□-□-□□		Largest profile cross-section in mm, 037x062 or 062x062
	BS40-T-□□□-□□□x□□□-□-□-□□		Version B = wide, S = narrow
	BS40-T-□□□-□□□x□□□-□-□-□□	□□□□□/□□□□/□/□□	Interface to conveyor G = Basic version V = Separation point
	BS40-T-□□□-□□□x□□□-□-□-□□	□□□□□/□□□□/□/□□	Interface to foundation SF = adjustable feet LR = swivel castor BR = fixed castor
	BS40-T-400-037x062-B-G-SF	*69359/0400/G/SF*	*Example of floor stand, telescopic*
Floor stands fix	**BS40-□□□-050x050-□-□-□□, H=0000mm**	□□□□□/□□□□/□/□□/□□□□	
		□□□□□/□□□□/□/□□/□□□□	Basic item number (basic structure)
	BS40-□□□-050x050-□-□-□□, H=0000mm		Table stand for TB40/GTB conveyor abbreviation
	BS40-□□□-050x050-□-□-□□, H=0000mm	□□□□□/□□□□/□/□□/□□□□	Conveyor size
	BS40-□□□-050x050-□-□-□□, H=0000mm		Largest profile cross-section in mm
	BS40-□□□-050x050-□-□-□□, H=0000mm		Version B = wide, S = narrow
	BS40-□□□-050x050-□-□-□□, H=0000mm	□□□□□/□□□□/□/□□/□□□□	Interface to conveyor G = Basic version V = Separation point
	BS40-□□□-050x050-□-□-□□, H=0000mm	□□□□□/□□□□/□/□□/□□□□	Interface to foundation SF = adjustable feet LR = swivel castor BR = fixed castor
	BS40-□□□-050x050-□-□-□□, H=0000mm	□□□□□/□□□□/□/□□/□□□□	Working height in mm (upper edge of conveyor)
	BS40-400-050x050-B-G-SF, H=0950mm	*69340/0400/G/SF/0950*	*Example of floor stand for fixed working height*

Product	Designation code	Item number	Explanation
Traverse single	**TE-5000-050x050/050x050, L=0000mm**	**69399/□□□□**	
		69399/□□□□	Basic item number (basic structure)
	TE-5000-050x050/050x050, L=0000mm		Single traverse abbreviation
	TE-5000-050x050/050x050, L=0000mm		Profile group
	TE-5000-050x050/050x050, L=0000mm		Traverse profile cross-section in mm
	TE-5000-050x050/050x050, L=0000mm		Profile cross-section of floor stand in mm (Separation point)
	TE-5000-050x050/050x050, L=0000mm	69399/□□□□	Center spacing floor stand to floor stand in mm
	TE-5000-050x050/050x050, L=1000mm	*69399/1000*	*Example of traverse single*
Traverse double	**TD-5000-□□□x□□□/□□□x□□□, L=0000mm**	□□□□□/□□□□	
		□□□□□/□□□□	Basic item number (basic structure)
	TD-5000-□□□x□□□/□□□x□□□, L=0000mm		Double traverse abbreviation
	TD-5000-□□□x□□□/□□□x□□□, L=0000mm		Profile group
	TD-5000-□□□x□□□/□□□x□□□, L=0000mm		Traverse profile cross-section in mm, 025x025 or 050x050
	TD-5000-□□□x□□□/□□□x□□□, L=0000mm		Profile cross-section of floor stand in mm (Separation point) 037x062, 050x050 oder 062x062
	TD-5000-□□□x□□□/□□□x□□□, L=0000mm	□□□□□/□□□□	Center spacing floor stand to floor stand in mm
	TD-5000-025x050/037x062, L=1000mm	*69400/1000*	*Example of traverse double*

Product	Designation code	Item number	Explanation
Fixing bracket	**BW40-□□x□□x□□□-□**	□□□□□	
	BW40-□□x□□x□□□-□		Mounting bracket for conveyor TB40/GTB abbreviation
	BW40-□□x□□x□□□-□		Mounting bracket size
	BW40-□□x□□x□□□-□		Interface to conveyor G = Basic version V = Separation point
	BW40-50x55x113-V	*69671*	*Example of mounting bracket for Separation point*
Table stand	**TS40-□□□□-90°**	□□□□□	
	TS40-□□□□-90°		Table stand for TB40/GTB conveyor abbreviation
	TS40-□□□□-90°		Working height in mm (upper edge of conveyor)
	TS40-□□□□-90°		Fixing angle of the profile
	TS40-H105-90°	*69496*	*Example of table stand*

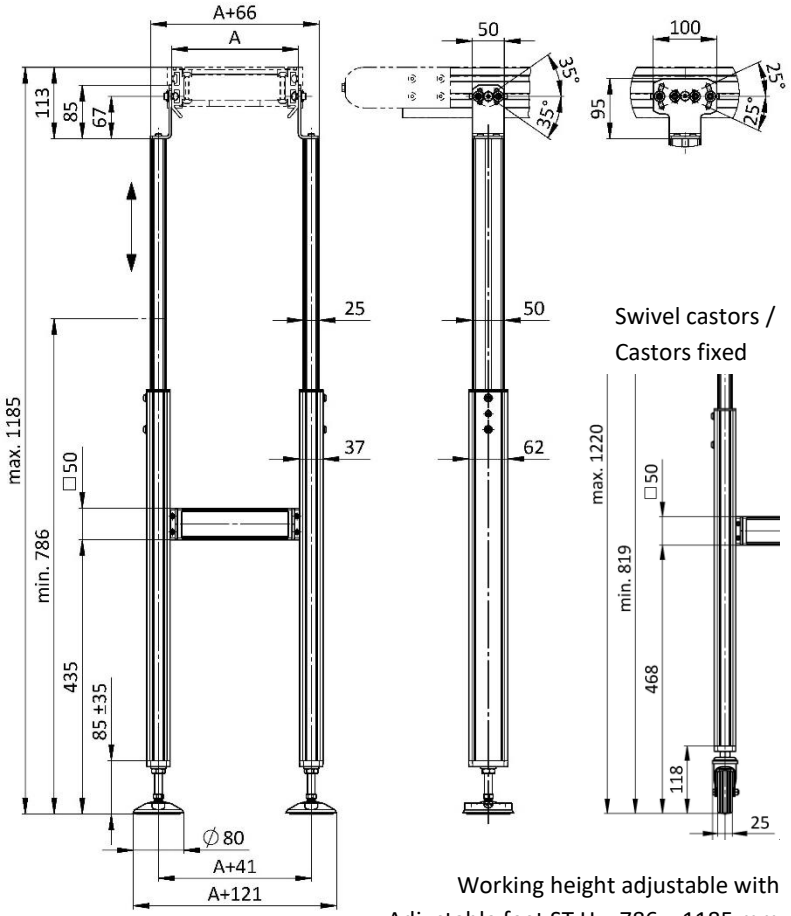
FLOOR STANDS TELESCOPIC

Floor stand telescopic 037x062, wide version	Item no.
BS40-T-…-037x062-B-…-…	**69359/…/…/…**

Valid for the following conveyor sizes
300, 400

Example:
BS40-T-300-037x062-B-G-SF 69359/0300/G/SF

The exact key can be found on page 37.



Working height adjustable with
Adjustable feet ST H = 786 – 1185 mm
Swivel castors LR H = 819 – 1220 mm
Castors fixed BR H = 819 – 1220 mm
(Working height = Belt surface)

compatible traverse for floor stands telescopic 037x062	Item no.
TE-5000-050x050/050x050 L=0000 mm (single strut)	**69399/….**
TD-5000-025x050/037x062 L=0000 mm (double strut)*	**69400/….**

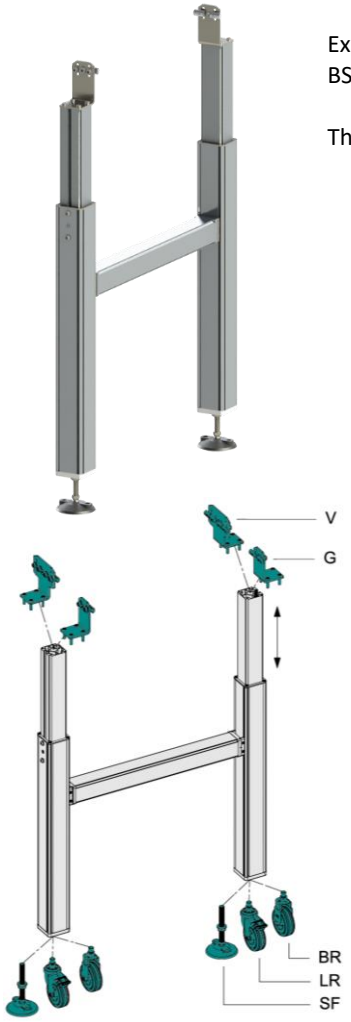
* For floor stand with swivel castor or castors fixed, use double traverse

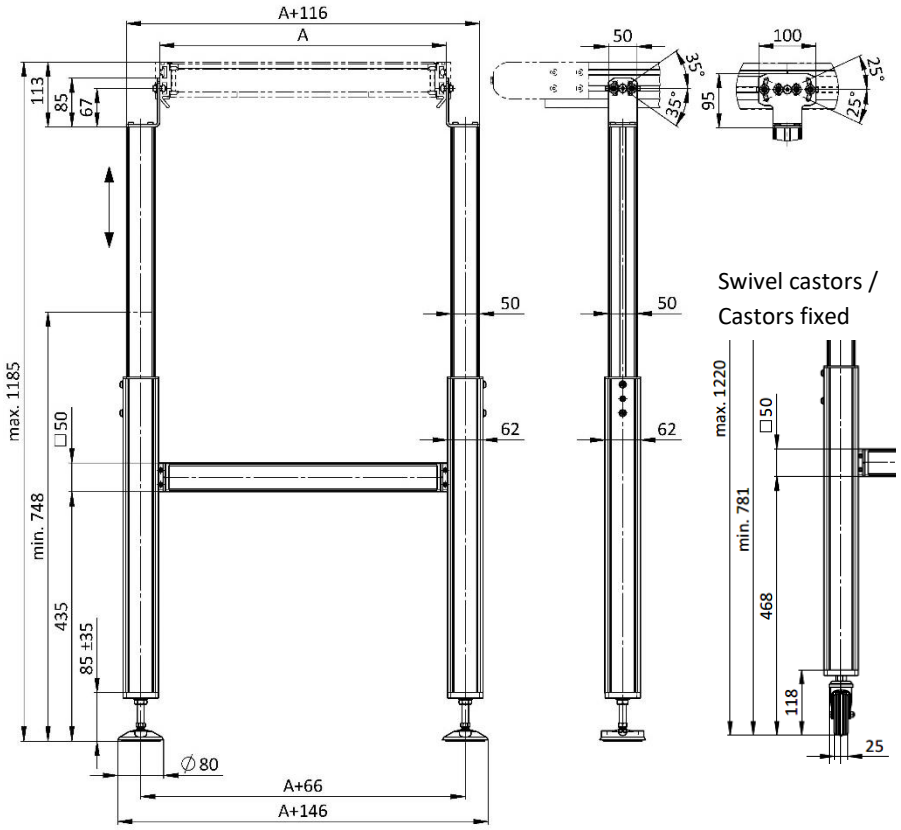
Floor stand telescopic 062x062, wide version	Item no.
BS40-T-…-062x062-B-…-…	**69522/…/…/…**

Valid for the following conveyor sizes
500, 600, 700, 800

Example:
BS40-T-500-062x062-B-G-SF 69522/0500/G/SF

The exact key can be found on page 37.





Working height adjustable with
Adjustable feet ST H = 748 – 1185 mm
Swivel castors LR H = 781 – 1220 mm
Castors fixed BR H = 781 – 1220 mm
(Working height = Belt surface))

compatible traverse for floor stands telescopic 062x062	Item no.
TE-5000-050x050/050x050 L=0000 mm (single strut)	**69399/….**
TD-5000-050x050/062x062 L=0000 mm (double strut)*	**69397/….**

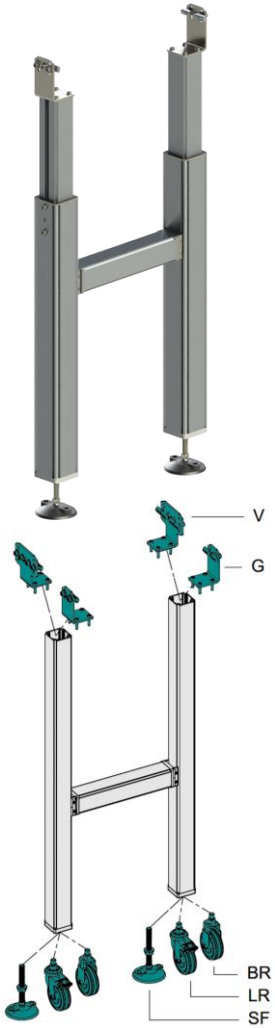
* For floor stand with swivel castor or castors fixed, use double traverse

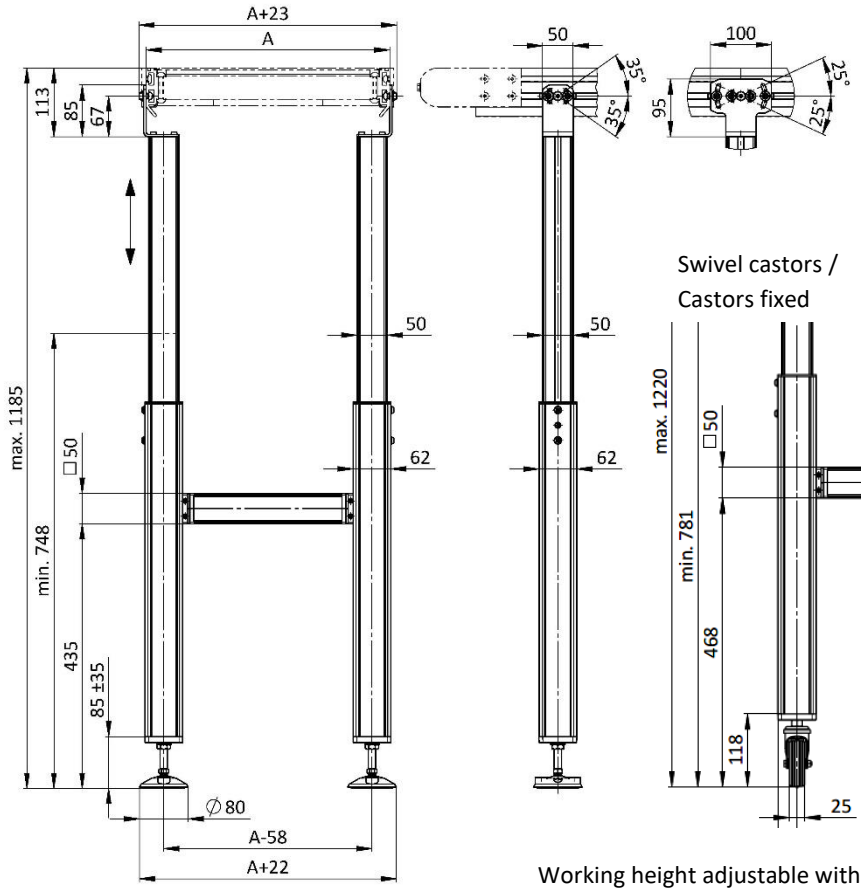
Floor stand telescopic 062x062, narrow version	Item no.
BS40-T-…-062x062-S-…-…	**69204/…/…/…**

Valid for the following conveyor sizes
400, 500, 600, 700, 800

Example:
BS40-T-400-062x062-S-G-SF 69204/0400/G/SF

The exact key can be found on page 37.





Working height adjustable with
Adjustable feet ST H = 748 – 1185 mm
Swivel castors LR H = 781 – 1220 mm
Castors fixed BR H = 781 – 1220 mm
(Working height = Belt surface)

compatible traverse for floor stands telescopic 062x062	Item no.
TE-5000-050x050/050x050 L=0000 mm (single strut)	**69399/….**
TD-5000-050x050/062x062 L=0000 mm (double strut)*	**69397/….**

* For floor stand with swivel castor or castors fixed, use double traverse

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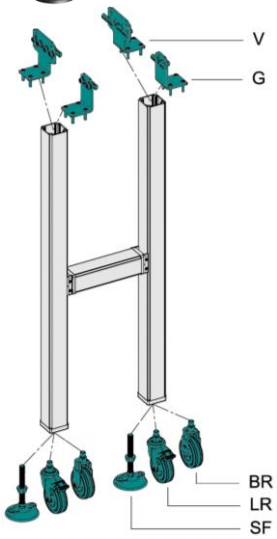
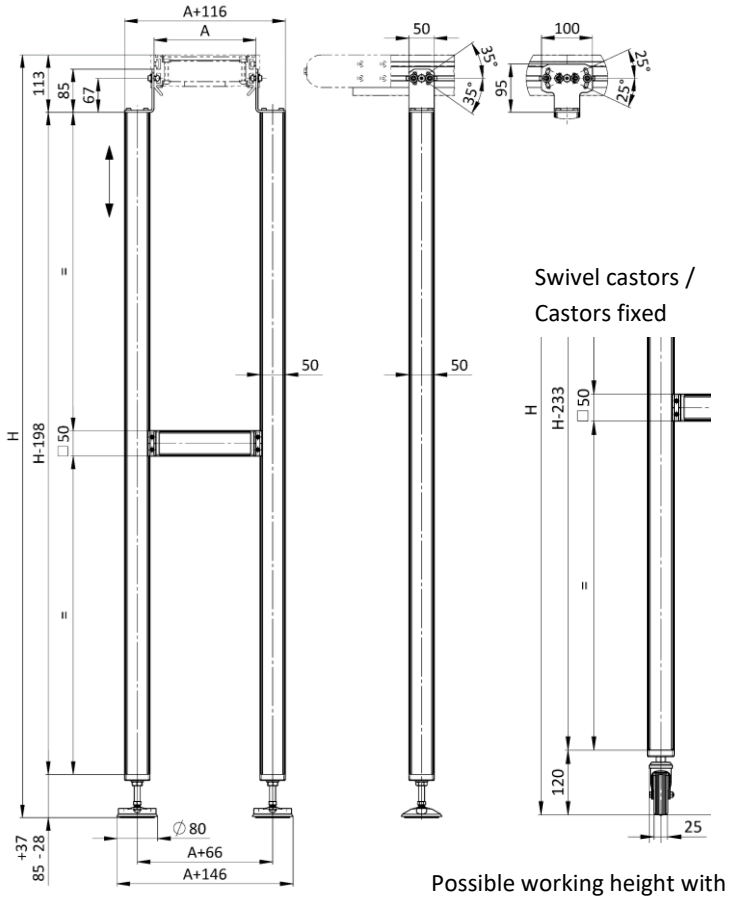
Floor stand 050x050, wide version	Item no.
BS40-…-050x050-B-…-…	**69340/…/…/…/…**

Valid for the following conveyor sizes
300, 400, 500, 600, 700, 800

Example:
BS40-300-050x050-B-G-SF 69340/0300/G/SF/0950

The exact key can be found on page 37.





Swivel castors /
Castors fixed

Possible working height with
Adjustable feet ST H = 250 – 1500 mm
Swivel castors LR H = 290 – 1500 mm
Castors fixed BR H = 290 – 1500 mm
(Working height = Belt surface)

compatible traverse for floor stands 050x050	Item no.
TE-5000-050x050/050x050 L=0000 mm (single strut)	**69399/….**
TD-5000-050x050/050x050 L=0000 mm (double strut)*	**69396/….**

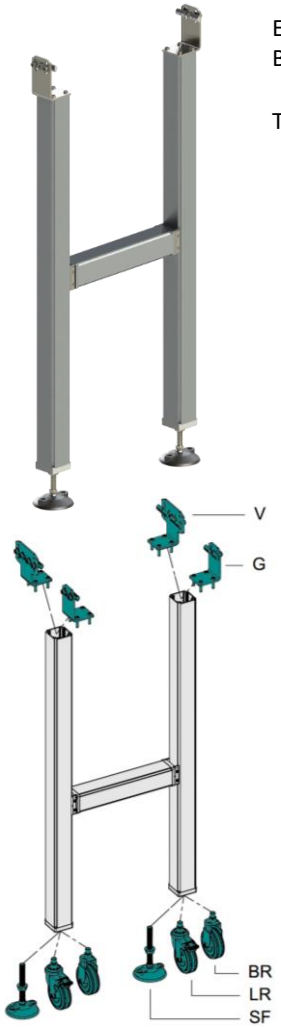
* For floor stand with swivel castor or castors fixed, use double traverse

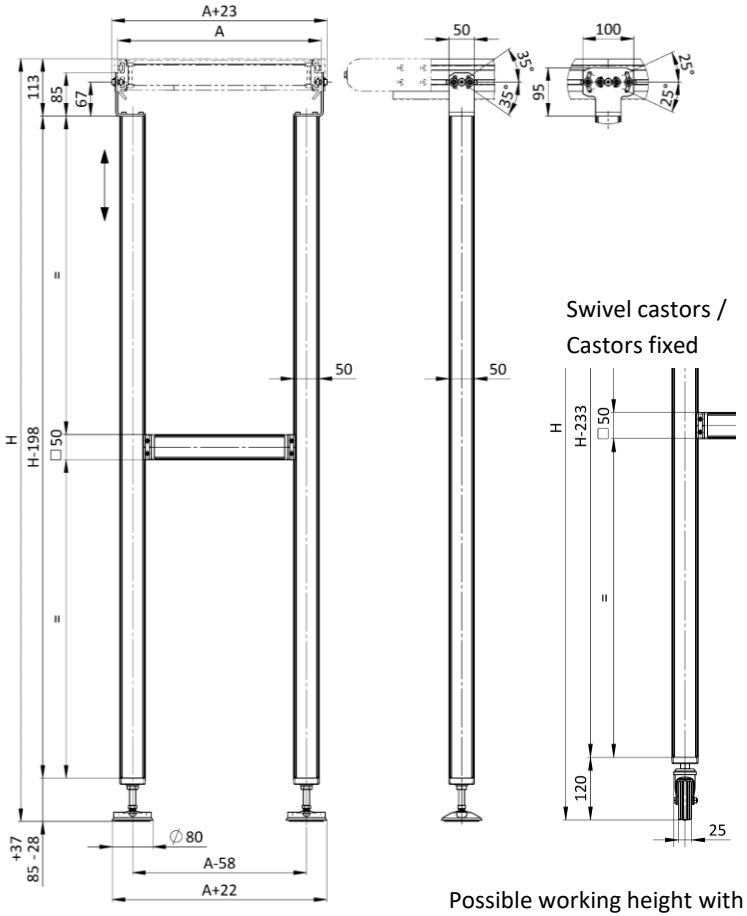
Floor stand 050x050, narrow version	Item no.
BS40-…-050x050-S-…-…	**69339/…/…/…/…**

Valid for the following conveyor sizes
400, 500, 600, 700, 800

Example:
BS40-400-050x050-S-G-SF 69339/0400/G/SF/0950

The exact key can be found on page 37.





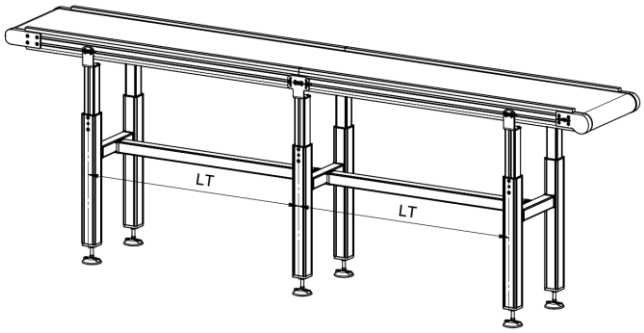
Swivel castors /
Castors fixed

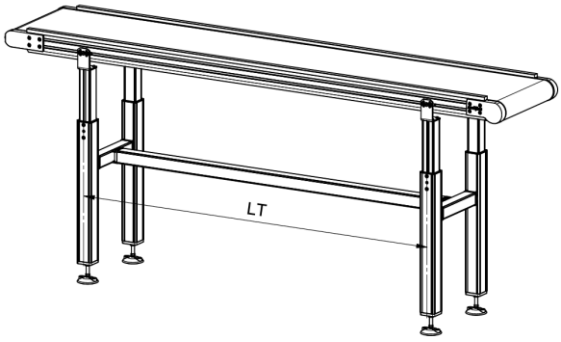
Possible working height with
Adjustable feet ST H = 250 – 1500 mm
Swivel castors LR H = 290 – 1500 mm
Castors fixed BR H = 290 – 1500 mm
(Working height = Belt surface)

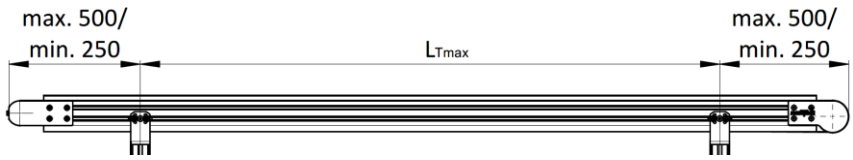
compatible traverse for floor stands 050x050	Item no.
TE-5000-050x050/050x050 L=0000 mm (single strut)	**69399/….**
TD-5000-050x050/050x050 L=0000 mm (double strut)*	**69396/….**

* For floor stand with swivel castor or castors fixed, use double traverse

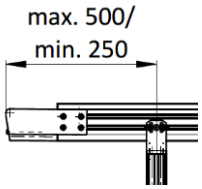
INSTALLATION FLOOR STAND







End section with deflection roller

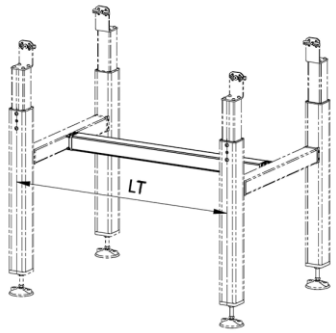


End section with knife edge

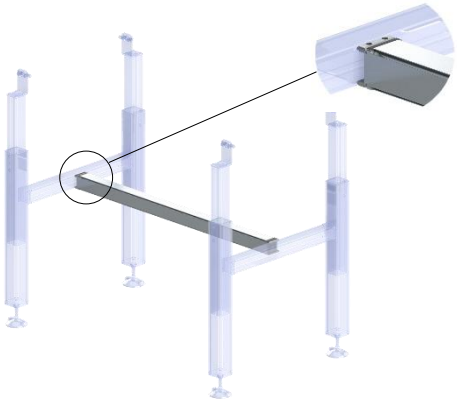
Load per meter	Maximal measure L_{Tmax}
100 kg/m	1655 mm
95 kg/m	1680 mm
90 kg/m	1700 mm
85 kg/m	1725 mm
80 kg/m	1750 mm
75 kg/m	1788 mm
70 kg/m	1829 mm
65 kg/m	1875 mm
60 kg/m	1926 mm
55 kg/m	1982 mm
50 kg/m	2046 mm
45 kg/m	2120 mm
40 kg/m	2204 mm
35 kg/m	2305 mm
30 kg/m	2426 mm
25 kg/m	2500 mm

TRAVERSES

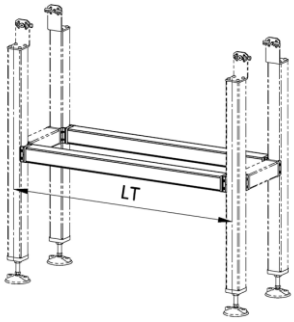
Traverse for floor stand	Item no.
TE-5000-050x050/050x050 L=0000 mm (single strut)	**69399/….**



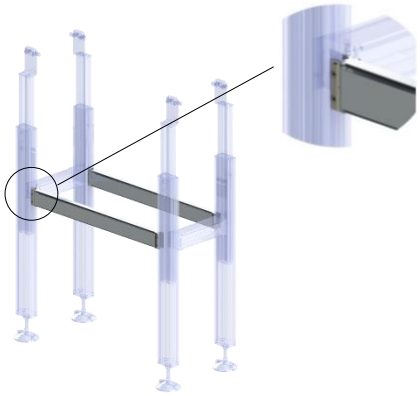
Length L_T corresponds to the center distance of two floor stands.
min. 500 mm
max. 2500 mm
Example:
TE-5000-050x050/050x050 L=1750 mm
Ref.no. 69399/1750
The exact key can be found on page 38



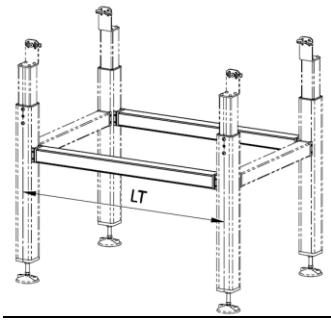
Traverse for floor stand	Item no.
TD-5000-025x050/037x062 L=0000 mm (double strut)	**69400/….**



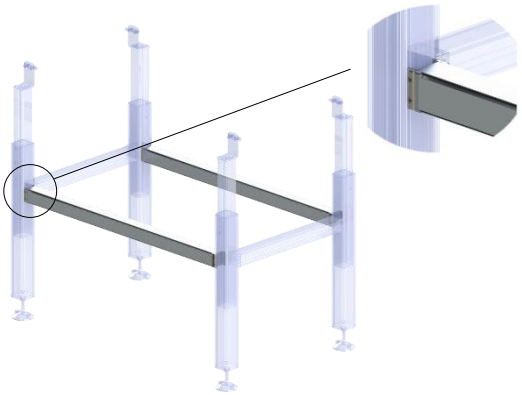
Length L_T corresponds to the center distance of two floor stands.
min. 500 mm
max. 2500 mm
Example:
TD-5000-025x050/037x062 L=1750 mm
Ref.no.69400/1750
The exact key can be found on page 38



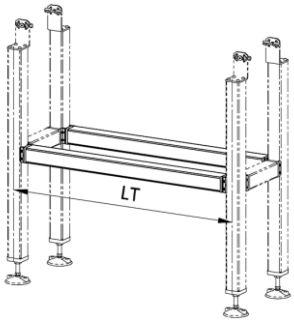
Traverse for floor stand	Item no.
TD-5000-050x050/062x062 L=0000 mm (double strut)	**69397/….**



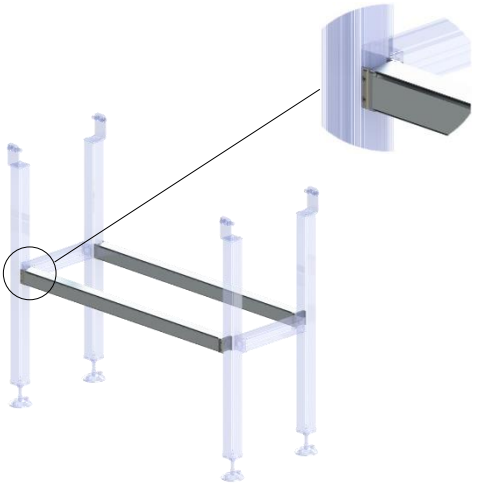
Length L_T corresponds to the center distance of two floor stands.
min. 500 mm
max. 2500 mm
Example:
TD-5000-050x050/062x062 L=1750 mm
Ref.no. 69397/1750
The exact key can be found on page 38



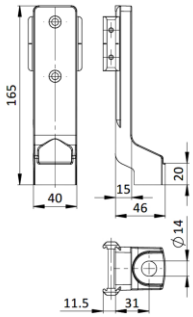
Traverse for floor stand	Item no.
TD-5000-050x050/050x050 L=0000 mm (double strut)	**69396/….**



Length L_T corresponds to the center distance of two floor stands.
min. 500 mm
max. 2500 mm
Example:
TD-5000-050x050/050x050 L=1750 mm
Ref.no. 69396/1750
The exact key can be found on page 38



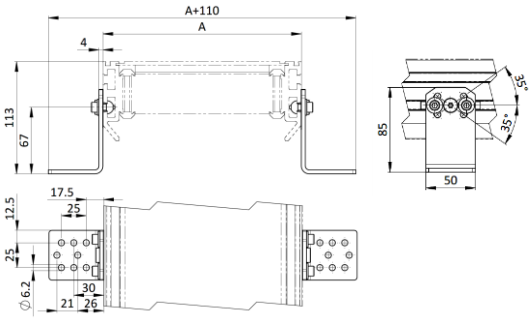
Offset adjustable foot WSF-50-S-PV	Item no.
For anchoring in the foundation	**69935**
Segment anchor M12x100	**510230**

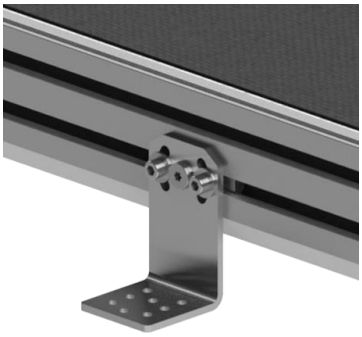


FIXING BRACKETS

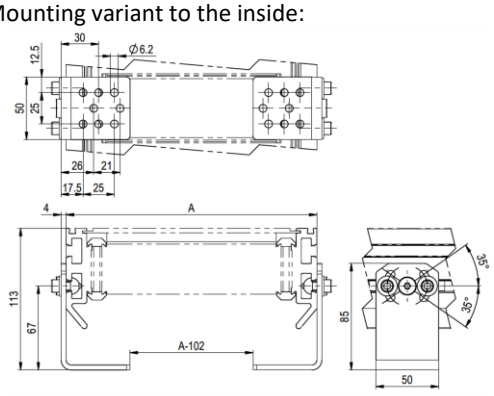
Fixing bracket, wide version (pair)	Item no.
BW40-50x55x113	**69371**

Mounting variant according to the outside:



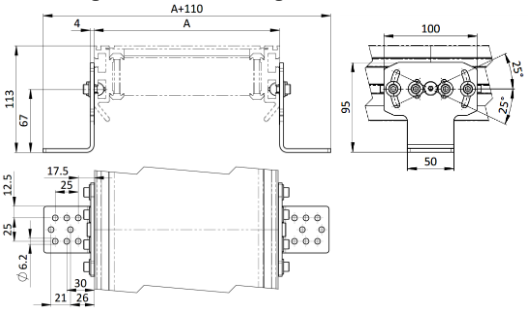


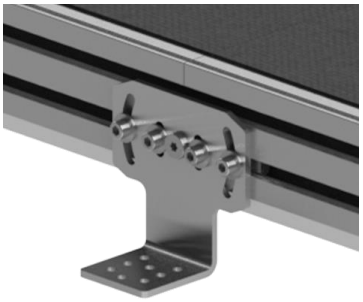
Mounting variant to the inside:



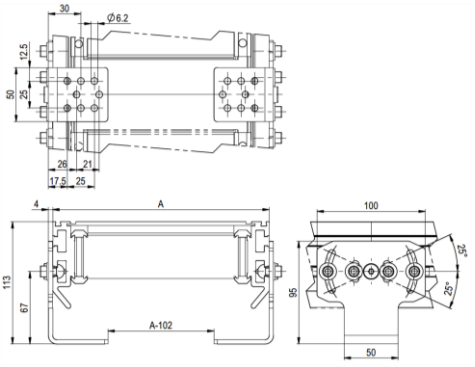
Fixing bracket, wide version (pair) (connection point)	Item no.
BW40-50x55x113-V	**69671**

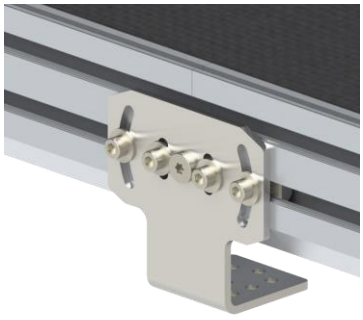
Mounting variant according to the outside:





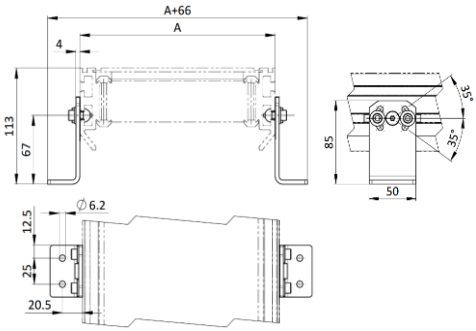
Mounting variant to the inside:



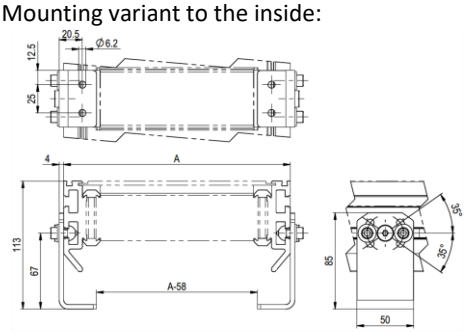


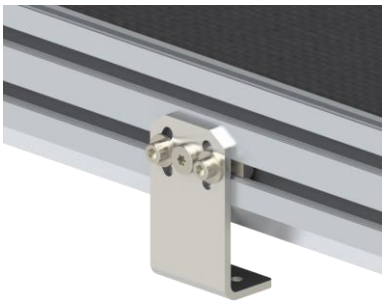
Fixing bracket, narrow version (pair)	Item no.
BW40-50x33x113	**69328**

Mounting variant according to the outside:

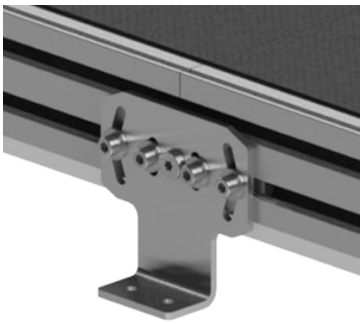


Mounting variant to the inside:

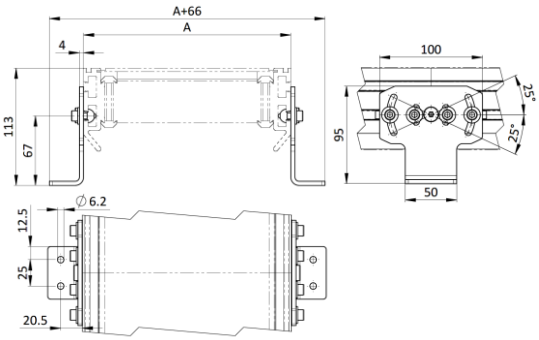




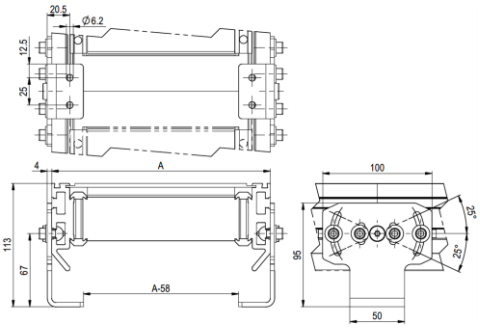
Fixing bracket, narrow version (pair) (connection point)	Item no.
BW40-50x33x113-V	**69686**



Mounting variant according to the outside:



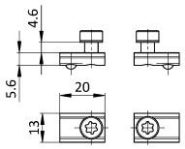
Mounting variant to the inside:



MOUNTING SET AS ACCESSORIES FOR FIXING BRACKETS

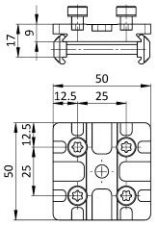
to set to aluminum framing system 5025

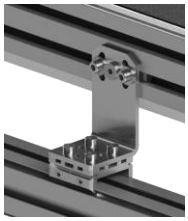
Mounting set to fixing in the profile slot:	Item no.
BS40-N (pair)	**69613**

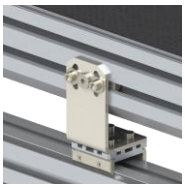


Consistent with fixing bracket:
69371, 69671, 69328, 69686

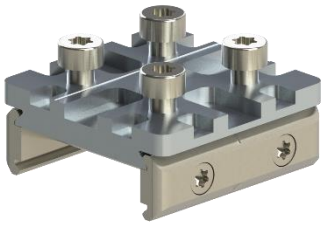
Mounting set for dovetail fixing, grid dimension 50 mm	Item no.
BS40-050x050-SW (pair)	**69612**



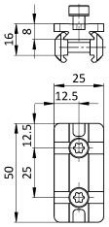


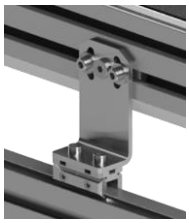


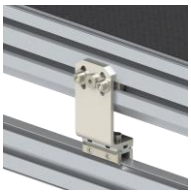
Consistent with fixing bracket:
69371, 69671



Mounting set for dovetail fixing, grid dimension 25 mm	Item no.
BS40-025x050-SW (pair)	**69611**





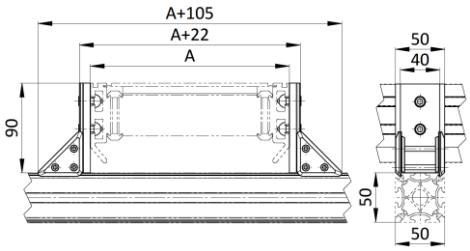


Consistent with fixing bracket:
69328, 69686

TABLE STAND

to set to aluminum framing system 5025

Table stand	Item no.
TS40-H90-050-90°, pair	**69497**



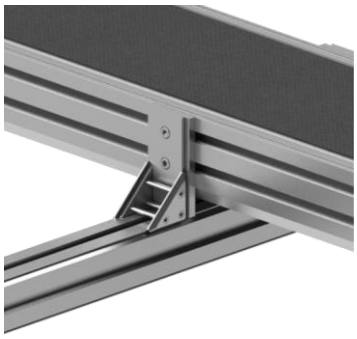
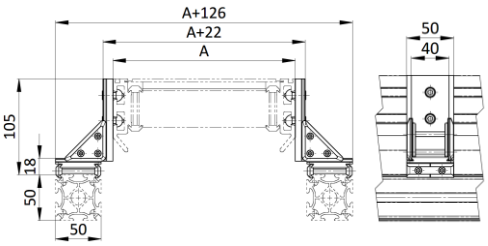
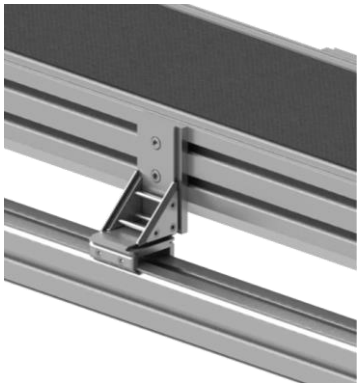


Table stand	Item no.
TS40-H105-050, pair	**69496**





K-100003 EN 1223

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