

Product Catalog

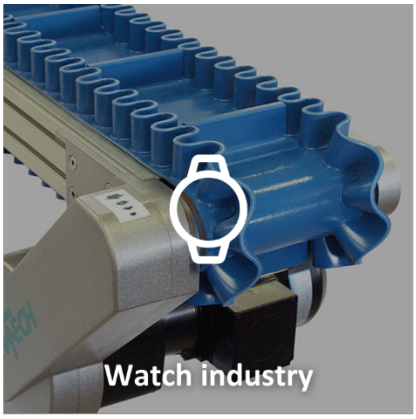
GTB conveyor

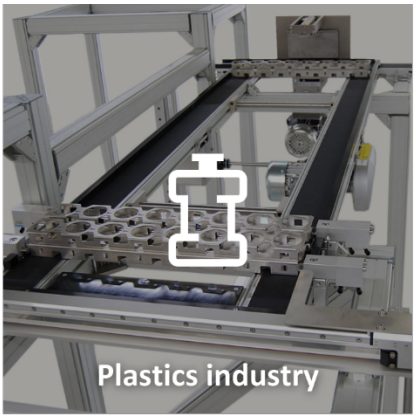
Montech Conveyors Corp.
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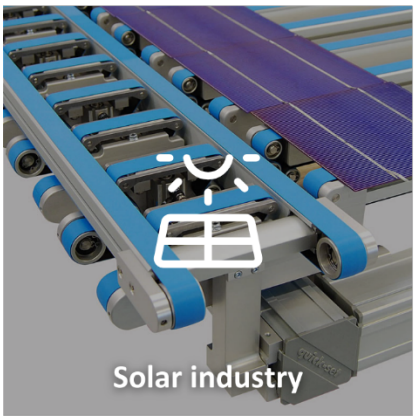
MONTECH

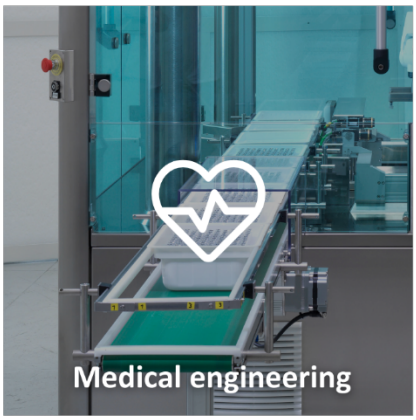
CUSTOMIZED SOLUTIONS











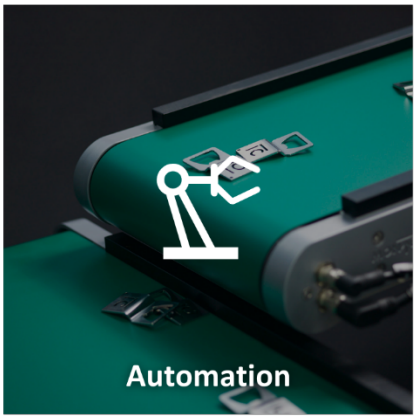




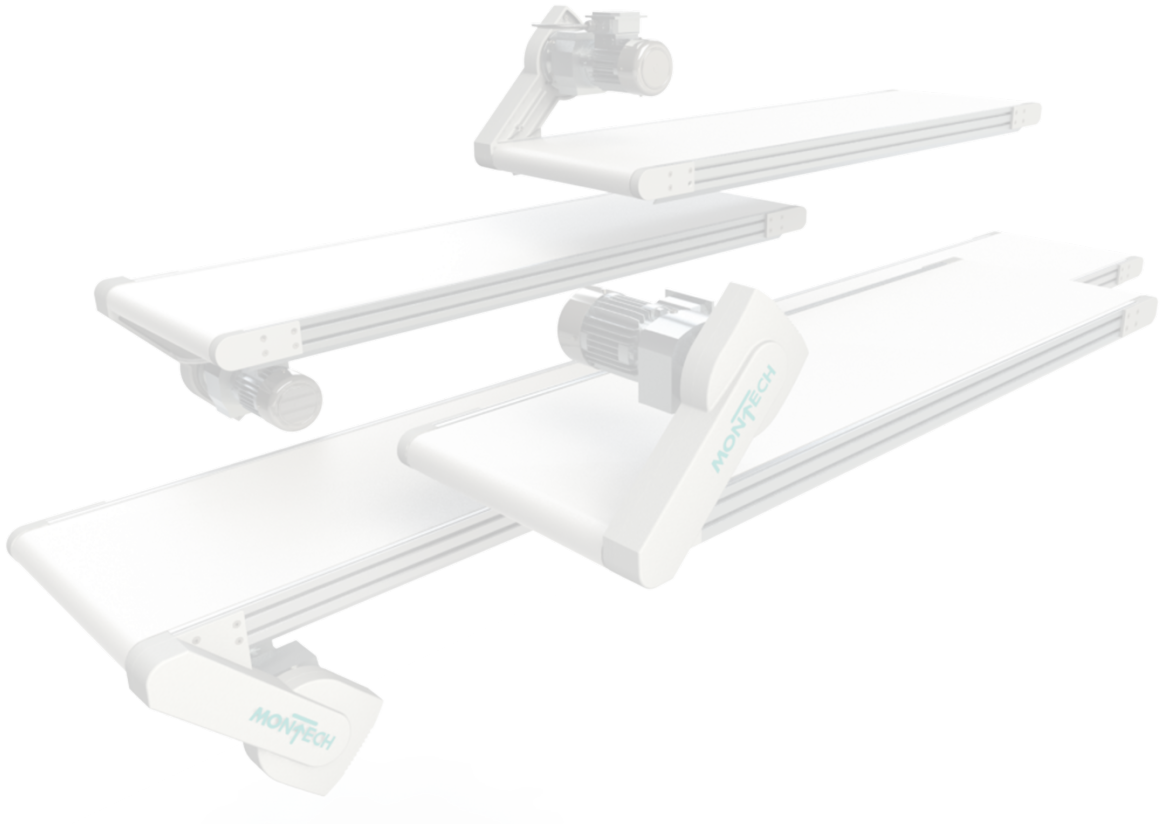








GTB CONVEYOR



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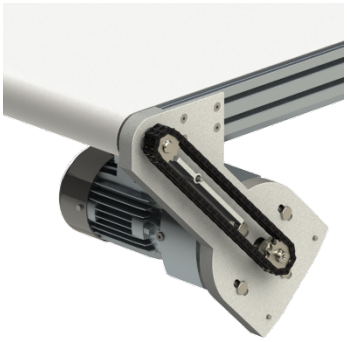
Powerful drive, 3x230/460V, 60Hz – up to 125 kg conveyor capacity – up to 800 mm (31.50”) conveyor width – flexible choice of drive position, these are the main features of Montech´s **GTB conveyor**.

GTB CONVEYOR PRODUCT DESCRIPTION

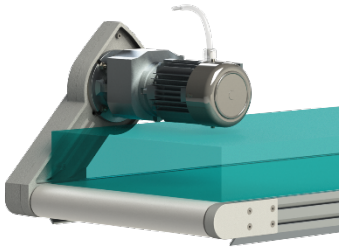
The GTB conveyor is a versatile conveyor, especially for larger unit loads, but also for bulk goods above a certain size – but not for sand, granulates, chips and similar materials.
Driven by a **230/460V, 60 Hz helical geared motor with UL certification**, the GTB **transports up to 125 kg (275.58 lbs)** over a distance of **up to 6 meters (236.22”)**. The position of the head drive (right, left, bottom, top) can be selected to suit the application. For the power transmission of this conveyor type, we rely on the **robust chain drive solution** and a rubberized drive roller for low-slip transport.
The following sizes (conveyor widths) are available: 200 (7.87”), 300 (11.81”), 400 (15.75”), 500 (19.69”), 600 (23.62”), 700 (27.56”) and 800 mm (31.50”) – widths up to 1200 mm (47.24”) on request.



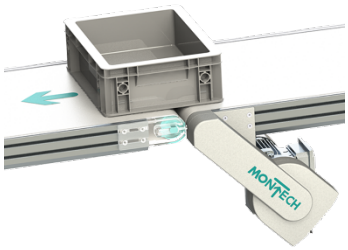
Head drive with rubberized drive roller Ø60 mm (2.36”)



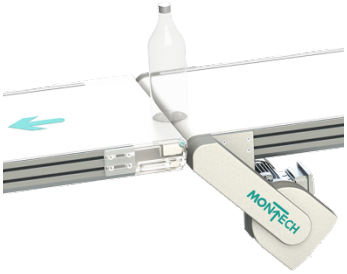
Chain drive – process reliability and long service life



Free passage height 90 mm(3.54“)*



Belt end with diverter roller Ø60 mm (2.36”)



Belt end with knife edge Ø16 mm (0.63”)



Use of cleated belts possible

*The free passage height is reduced by the choice of position of the motor terminal box

For constant conveying speed you can choose from a combination of different motors and sprocket sets. If the conveying process changes and requires a different conveying speed, sprockets and/or the motor can be replaced – quickly and easily. You can easily purchase them via our online store. Details can be found on page 11.
Would you like to manually influence the conveyor speed directly at the conveyor? Then select the option with frequency converter for stepless adjustment and change.
Due to the design of the conveyor as a head drive and a diverter roller diameter of 60 mm (2.36”), cleated belts with a cleat height of up to 40 mm (1.57”) are also possible. We offer a selection of high-quality conveyor belts with different properties in the conveyor configurator to ensure optimum transportation of your conveyed goods. If you cannot find what you are looking for in this selection, please do not hesitate to contact us, we are sure to find a suitable alternative.
The range is rounded off by a comprehensive inventory of accessories. These include, for example, various side guides, floor stands and mounting brackets.
The accessories can be fitted easily, quickly and without mechanical processing, even at a later date.

GTB CONVEYOR TECHNICAL SPECIFICATIONS

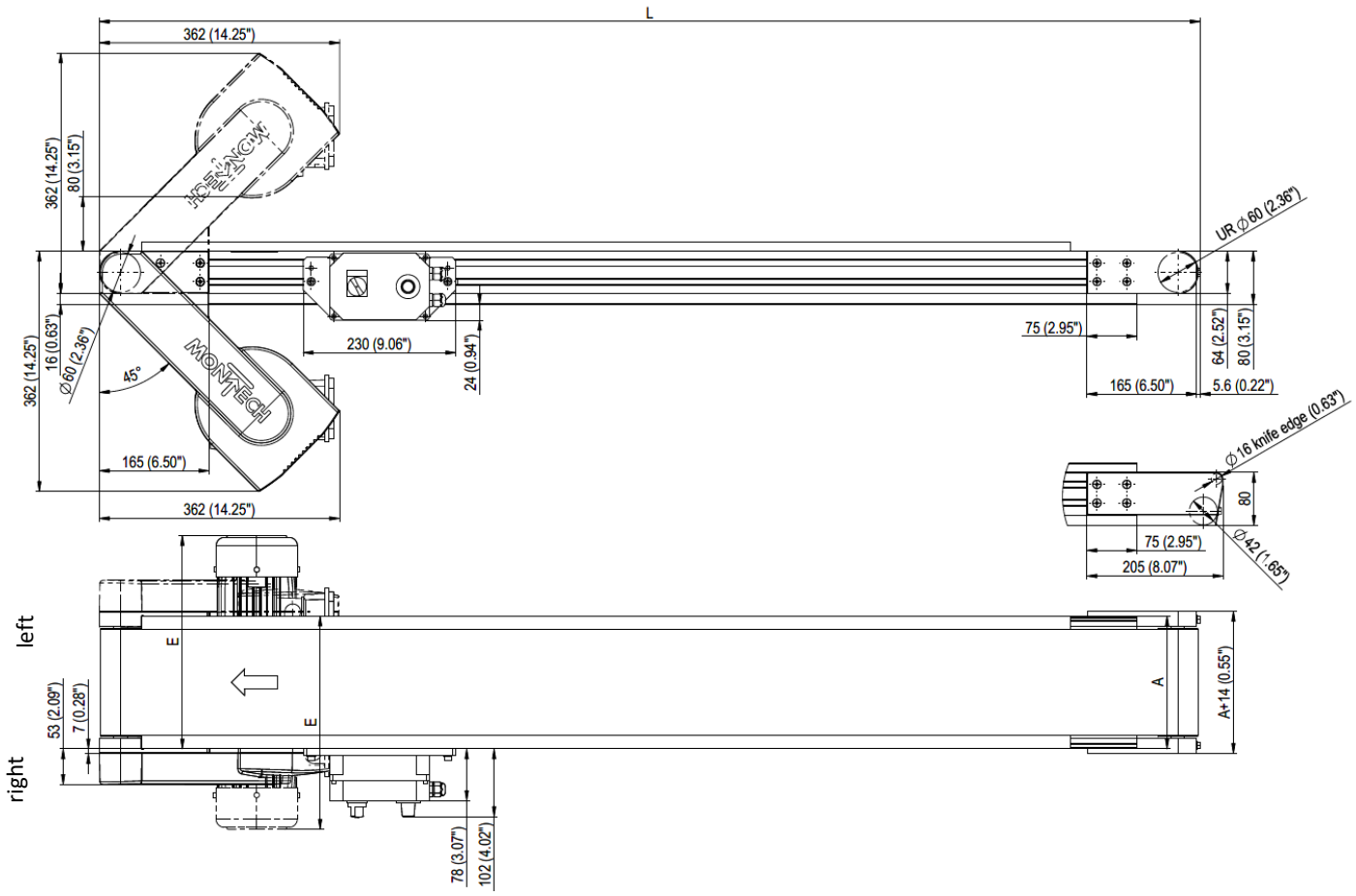
Sizes (conveyor width)		200 / 300 / 400 / 500 / 600 / 700 / 800 mm 7.87” / 11.81” / 15.75” / 19.69” / 23.62” / 27.56” / 31.50” (up to 1200 mm (47.24”) on request)
Conveyor drive		
Design		End drive
Motor type		Helical geared motor
Supply voltage		3x 230/460V, 60Hz (UL certified)
Nominal power		120 / 180 / 250 / 550 W
Protection rating		IP55
Thermal protection		PTC thermistor, 3x155 °C (311 °F)
Duty cycle		100%
Start-stop operation		with soft starter (not included in the scope of delivery)
Max. permissible conveying load		
Conveyor operation		up to 125 kg (275.58 lbs)
Accumulation mode		depending on conveyor belt and conveyed goods
Conveying speed		For details see table on p. 11
fixed at 60 Hz		1.9 – 56.7 m/min (6.36 – 186 fpm) (±10%)
Max. conveyor length		6 m (236.22“) (longer belts on request)
Ambient temperature		+10 to +40°C (50 to 104° F)
Relative humidity		< 95% (without condensation)
Air purity level		normal workshop atmosphere
Sound pressure level		< 60 dBA
Material	Side profile Diverter roller Drive roller Gear motor Gliding plate Connecting support Lugs	Natural, anodized aluminum, Steel Rubberized aluminum (PU), steel core Aluminum Galvanized steel / optional stainless steel Aluminum, clear anodized, plastic Aluminum
Warranty		3 years Engine and transmission 1 year Conveyor belts are considered wear parts and are therefore excluded from the warranty.

CONVEYOR WEIGHT (WITHOUT SUBSTRUCTURE)

Type	Weight [kg (lbs)]* (base L=1000 mm (39.37”))	Extension* per meter/feet [kg (lbs)]
GTB-200	26 (57.32)	4.8 (3.23)
GTB-300	29 (63.93)	6.3 (4.23)
GTB -400	32 (70.54)	7.8 (5.24)
GTB -500	35 (77.16)	9.3 (6.25)
GTB -600	39 (85.98)	10.9 (7.32)
GTB -700	42 (92.59)	12.4 (8.33)
GTB -800	45 (99.21)	13.9 (9.34)

*The weight specifications are approximate values and may vary depending on the motor selected and the design of the conveyor load.

GTB CONVEYOR DIMENSIONAL DRAWINGS



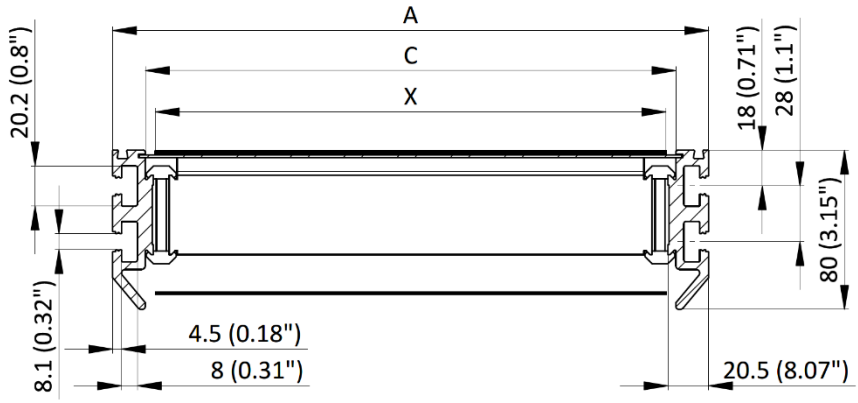
Type		GTB-200	GTB -300	GTB -400	GTB -500	GTB -600	GTB -700	GTB -800
A Belt width	[mm]	200 (7.87“)	300 (11.81“)	400 (15.75“)	500 (19.69“)	600 (23.62“)	700 (27.56“)	800 (31.50“)
L Total	[mm]	Max. belt length 6000 mm (236.22”) (longer belts on request)						
$L1_{min}$	[mm]	360 (14.17“)[1)]	360 (14.17“)[1)]	480 (18.90“)[1)]	600 (23.62“)	720 (28.35“)	840 (33.07“)	960 (37.79“)
$L2_{min}$	[mm]	500 (19.69“)[1)]	500 (19.69“)[1)]	500 (19.69“)[1)]	600 (23.62“)	720 (28.35“)	840 (33.07“)	960 (37.79“)
$L3_{min}$	[mm]	400 (15.75“)[1)]	400 (15.75“)[1)]	480 (18.90“)[1)]	600 (23.62“)	720 (28.35“)	840 (33.07“)	960 (37.79“)

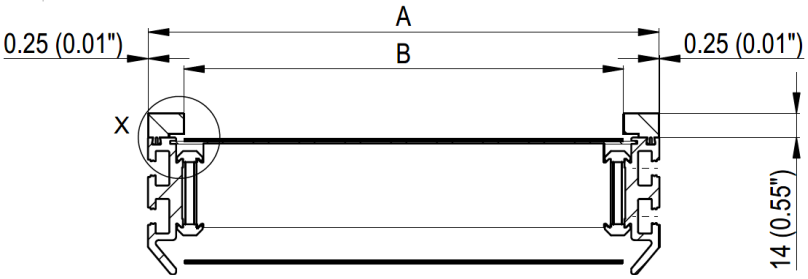
$L1_{min}$: minimum belt length for the conveyor without side guides or with fixed side guides
$L2_{min}$: minimum belt length for the conveyor with adjustable side guides
$L3_{min}$: minimum belt length for the conveyor with aluminum side guides

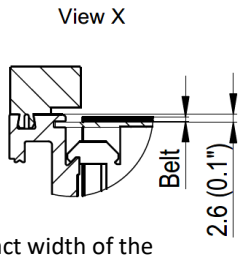
[1)] with knife edge min. $L1/2_{min}$ + 40 mm (1.57”)

Gear motor Item no.		i=120.54:1 120W/60Hz **522692**	i=34.52:1 250W/60Hz **522693**	i=12.06:1 550W/60Hz **522694**
E	[mm]	363 (14.29“)	338 (13.31“)	360 (14.17“)

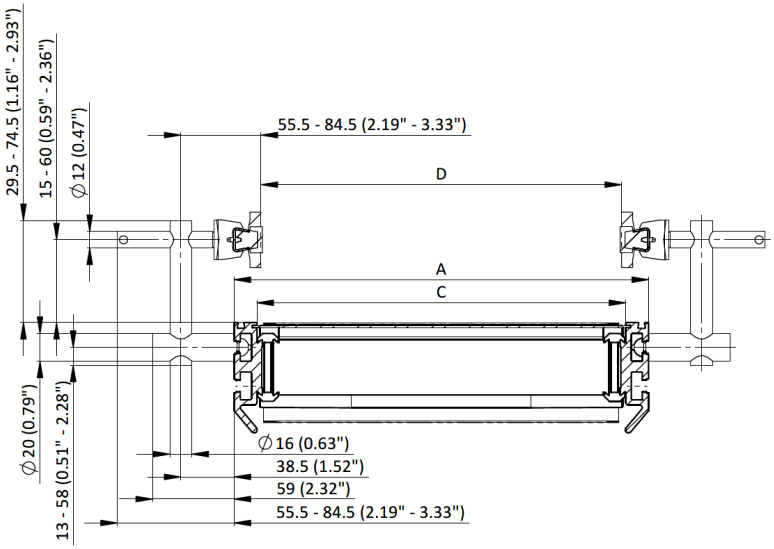
STRUCTURE / CONVEYOR CROSS-SECTION

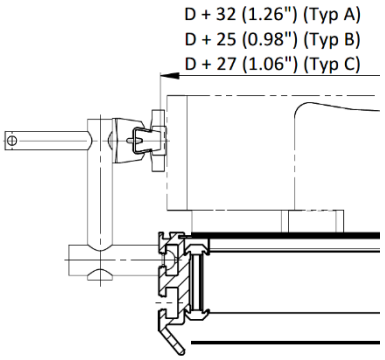






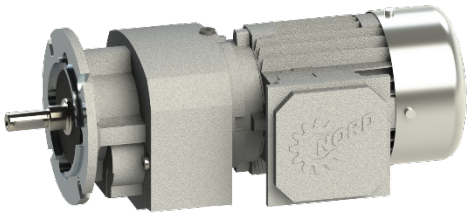
If the contact width of the conveyed goods is narrower than dimension C, the maximum conveying width widens



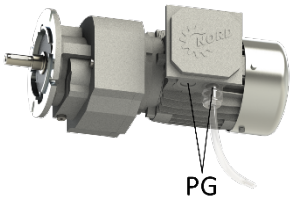


Type		GTB-200	GTB -300	GTB -400	GTB -500	GTB -600	GTB -700	GTB -800
A Size	[mm]	200 (7.87“)	300 (11.81“)	400 (15.75“)	500 (19.69“)	600 (23.62“)	700 (27.56“)	800 (31.50“)
B Conveyor width ± 0.5 (fixed side guide)	[mm]	112 – 166 (4.41-4.57”)	212 – 266 (8.35-10.47”)	312 – 366 (12.28-14.41”)	412 – 466 (16.22-18.35”)	512 – 566 (20.16-22.28”)	612 – 666 (24.09-26.22”)	712 – 766 (28.03-30.16”)
X Belt width	[mm]	157 (6.18”)	257 (10.12”)	357 (14.06”)	457 (17.99”)	557 (21.93”)	657 (25.87”)	757 (29.80”)
C Passage width	[mm]	167 (6.58”)	267 (10.51”)	367 (14.45”)	467 (18.39”)	567 (22.32”)	667 (26.26”)	767 (30.20”)
D Conveyor width (side guide adjustable type A)	[mm]	108 – 166 (4.25-6.54”)	208 – 266 (8.19-10.47”)	308 – 366 (12.13-14.41”)	408 – 466 (16.06-18.35”)	508 – 566 (20.00-22.28”)	608 – 666 (23.94-26.22”)	708 – 766 (27.87-30.16”)
D Conveyor width (side guide adjustable type B)	[mm]	101 – 166 (3.98-6.54”)	201 – 266 (7.91-10.47”)	301 – 366 (11.85-14.41”)	401 – 466 (15.79-18.35”)	501 – 566 (19.72-22.28”)	601 – 666 (23.66-26.22”)	701 – 766 (27.60-30.16”)
D Conveyor width (side guide adjustable type C)	[mm]	103 – 166 (4.06-6.54”)	203 – 266 (7.99-10.47”)	303 – 366 (11.93-14.41”)	403 – 466 (15.87-18.35”)	503 – 566 (19.80-22.28”)	603 – 666 (23.74-26.22”)	703 – 766 (27.68-30.16”)

THE MOTOR



The GTB conveyor is driven by a high-performance and energy-efficient helical geared motor in different power ratings and gear ratios.
There are **3 variants for 3x230/460V, 60Hz with UL certification**.

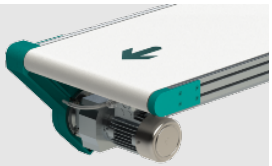
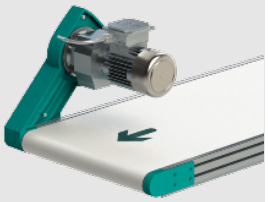
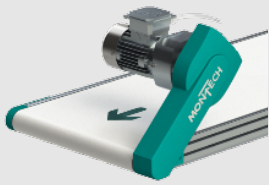
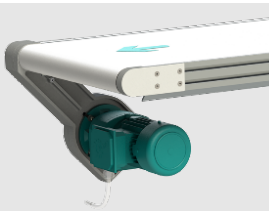
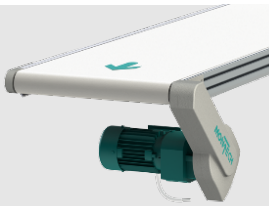
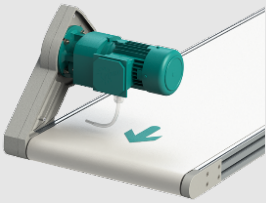
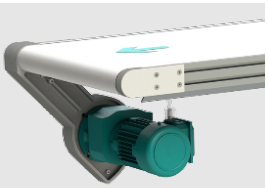
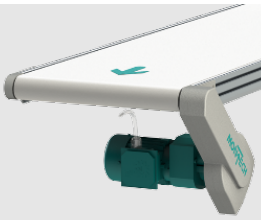
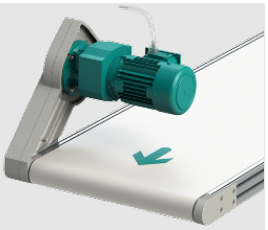
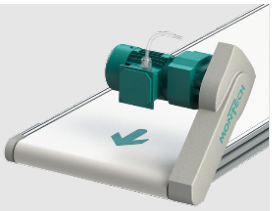
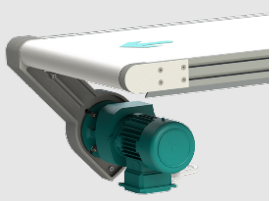
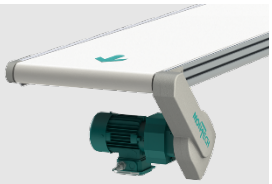
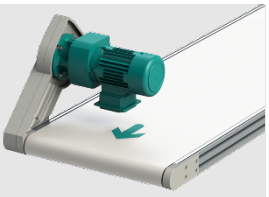
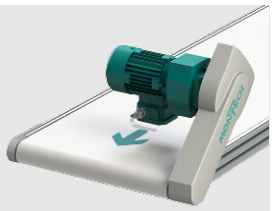
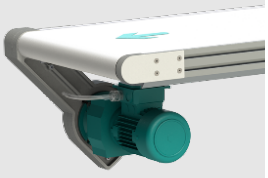
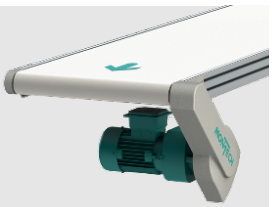
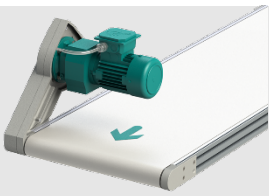
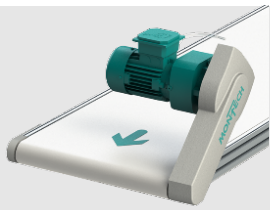


UL version 3x230/460V, 60Hz

Item no.	Reduction ratio i	Type designation	Rated power [W]	Nominal speed [min^{-1}]	Current consumption [A] for delta connection 3x230V / 60Hz	Current consumption [A] for star connection 3x460V / 60Hz	PG threaded connection for cable gland
522692/M…	120.54 : 1	SK373.1F-63SP/4 CUS TF	120	1695	0.72	0.36	M20x1.5
522693/M…	34.52 : 1	SK172.1F-71SP/4 CUS TF	250	1725	1.26	0.63	M20x1.5
522694/M…	12.06 : 1	SK172.1F-80SP/4 CUS TF	550	1735	2.3	1.15	M25x1.5

POSITIONING OF DRIVE UNIT AND INSTALLATION POSITION OF MOTOR

In the configuration of the GTB conveyor, the position of the drive unit with the motor can be selected to suit the available space – as can the installation position and therefore the position of the cable outlet from the terminal box.

Drive position				
	below		above	
	left	right	left	right
				
Installation position of motor / alignment of terminal box				
M1				
M3				
M5				
M6				

NOTE
Cable gland and connection cable for the motor are not included in the scope of delivery.

CONVEYING SPEED AND LOAD LIMIT IN CONVEYING MODE

UL version 3x230/460V, 60Hz

Motor	Operating power supply 3x230/460V, 60Hz		Operating power supply 1x230V, 60Hz (with frequency converter)			
	B_A = permissible starting load, B_D = permissible continuous load					
Item no. Reduction ratio i	**Conveying speed v_{fixed} [m/min]**	**Belt load B_A, B_D [kg]**	Conveying speed $v_{variable}$ [m/min]	Belt load B_A, B_D [kg]	Conveying speed $v_{variable}$ [m/min]	Belt load B_A, B_D [kg]
522692/M... 120.54 : 1	1.94 (6.37 fpm)	125 (275.58 lbs)				
	2.24 (7.35 fpm)					
	2.65 (8.69 fpm)					
	3.36 (11.02 fpm)					
	4.28 (14.04 fpm)					
	4.69 (15.39 fpm)					
522693/M... 34.52 : 1	6.91 (22.67 fpm)	125 (275.58 lbs)				
	8.16 (26.77 fpm)					
	9.42 (30.91 fpm)					
	12.32 (40.42 fpm)					
	15.22 (49.93 fpm)					
	16.66 (54.66 fpm)					
522694/M... 12.06 : 1	19.89 (65.26 fpm)	125 (275.58 lbs)				
	27.12 (88.98 fpm)	125 (275.58 lbs)				
	31.29 (102.66 fpm)	100 (220.46 lbs)				
	39.63 (130.02 fpm)	100 (220.46 lbs)				
	47.98 (157.41 fpm)	65 (143.30 lbs)				
	56.70 (186.02 fpm)	65 (143.30 lbs)				

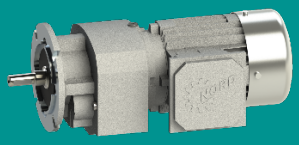
The frequency converter version in the Montech sales program has no UL certification. Therefore, there is no information on operation with a frequency converter.

NOTE

The effective permissible conveyor load depends on the configuration of the conveyor (belt length, belt type and belt end with diverter roller or knife edge). For binding values, configure your conveyor in the conveyor configurator.

https://montech.com/us/en/shop/#configurator

CONVERSION KIT FOR CHANGING THE CONVEYOR SPEED

Conveying speed		Gear motor			Sprocket set			
								
v_{fixed} [m/min]	$v_{variable}$ [m/min] in combination with frequency converter	Reduction ratio i	Rated power [W]	Item no.	Number of teeth, sprocket driver	Number of teeth, sprocket on drive roller	Double roller chain [number of links]	Item no.
1.94 (6.37 fpm)	The frequency converter version in the Montech sales program has no UL certification. Therefore, there is no information on operation with a frequency converter.	120.54 : 1	120	**522692/M1**	11	15	73	**54900**
2.24 (7.35 fpm)					11	13	73	**54905**
2.65 (8.69 fpm)				**522692/M3**	15	15	75	**54901**
3.36 (11.02 fpm)				**522692/M5**	19	15	77	**54902**
4.28 (14.04 fpm)				**522692/M6**	21	13	77	**54906**
4.69 (15.39 fpm)					23	13	77	**54904**
6.91 (22.67 fpm)		34.52 : 1	250		11	15	73	**54900**
8.16 (26.77 fpm)				**522693/M1**	13	15	75	**54907**
9.42 (30.91 fpm)				**522693/M3**	15	15	75	**54901**
12.32 (40.42 fpm)				**522663/M5**	17	13	75	**54908**
15.22 (49.93 fpm)				**522593/M6**	21	13	77	**54906**
16.66 (54.66 fpm)					23	13	77	**54904**
19.89 (65.26 fpm)		12.06 : 1	550		11	15	73	**54900**
27.12 (88.98 fpm)				**522694/M1**	15	15	75	**54901**
31.29 (102.66 fpm)				**522694/M3**	15	13	75	**54907**
39.63 (130.02 fpm)				**522694/M5**	19	13	77	**54903**
47.98 (157.41 fpm)				**522694/M6**	23	13	77	**54904**
56.70 (186.02 fpm)					23	11	77	**54909**

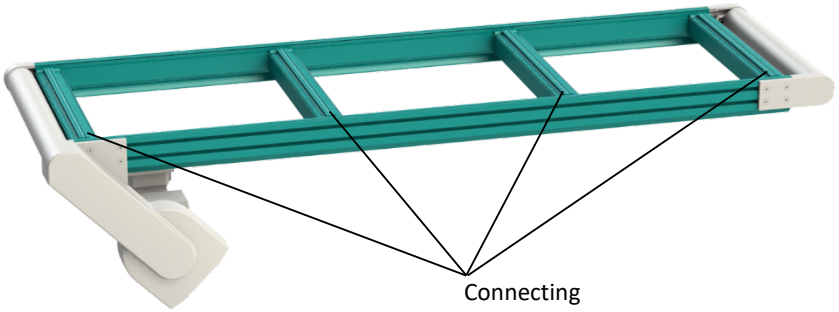
NOTE

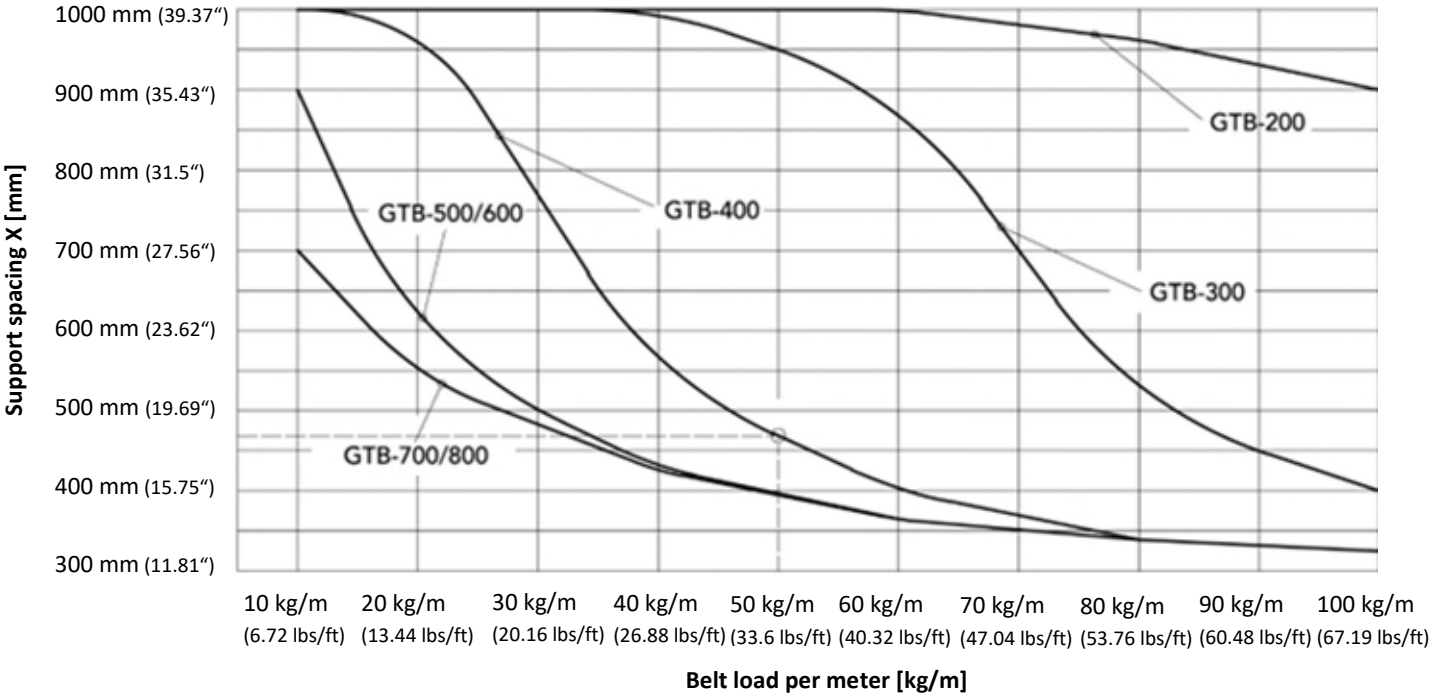
The addition M1, M3, M5 and M6 in the item number of the motors corresponds to the installation position of the motor and therefore the orientation of the terminal box. Details can be found on page 10.

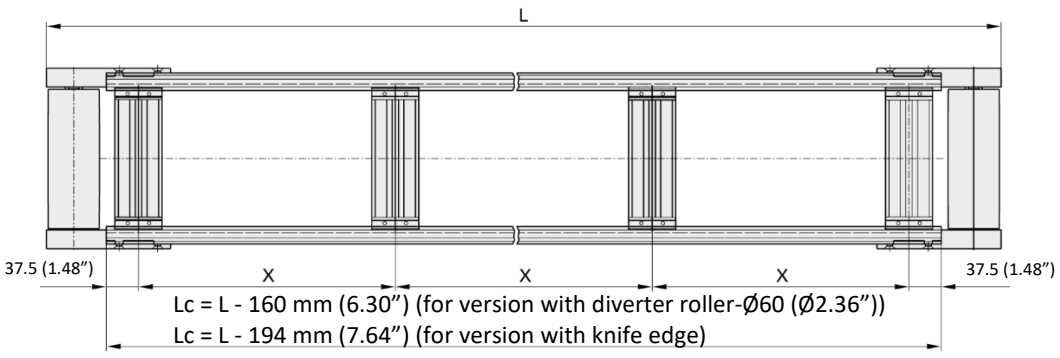
BASE FRAME DESIGN

The base frame of the GTB conveyor consists of lateral aluminum profiles and connecting supports for the stability and support of the sliding plate above, which ultimately provides the sliding base for the conveyor belt.

The spacing and therefore the number of connecting supports depends on the load of the conveyor per meter. The design of the conveyor in the configurator is based on your specifications for the total conveying load and the load per meter.







BELT TYPES

PRICE CLASS 0: BEST PRICE

Manufacturer's designation			XVT-2304 (possible alternative for FNB-5E+H15)	FNI-5EMWT-W2 (possible alternative for FNI-5E)
Belt-code			75	64
Thickness			1.5 mm (0.06“)	1.1 mm (0.04“)
Mass		kg/m² (lb/sqft)	1.7 (0.35)	1.0 (0.2)
Min. drum diameter			20 mm (0.79“)	15 mm (0.59“)
Edge radius			R4 mm (R0.16“)	R2 mm (R0.08“)
$k_{1\%}$ after relaxation		N/mm (lbf/in)	6 (34)	5 (28.5)
$k_{perm.}$		N/mm (lbf/in)	15 (86)	13 (74)
Operating temp., cont.			-30/80 °C (-22/176 °F)	-10/90 °C (14/194 °F)
Field of use			L	L
Method of transportation	horizontal		yes	yes
	buffering		yes	yes
	rejection of goods		yes	yes
	inclined		no	yes
Surface of conveying side			smooth	impregnated fabric
Color transport surface			white	white
Antistatic			yes	yes
Suitable for food			EU/FDA	EU/FDA
Cleats			yes	no
Suitable for knife edge			yes	yes

Coefficient of friction of steel workpiece on belt (transport surface) (The values listed below serve as guideline values)			
		XVT-2304	FNI-5EMWT-W2
Workpiece of steel		[μ_G]	0.15	0.1

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.

BELT TYPES

PRICE CLASS 0: BEST PRICE

Manufacturer's designation			FMB-5EMWT-W2	NHB-5EKBV	NAB-8EEDV 11
Belt-code			69	54	59
Thickness			1.2 mm (0.05“)	1.0 mm (0.04“)	2.1 mm (0.08“)
Mass		kg/m² (lb/sqft)	1.3 (0.27)	1.2 (0.25)	2.4 (0.49)
Min. drum diameter			15 mm (0.59“)	25 mm (0.98“)	30 mm (1.18“)
Edge radius			R2 mm (0.08“)	-	-
$k_{1\%}$ after relaxation		N/mm (lbf/in)	6 (34)	3.2 (18)	6 (34)
$k_{perm.}$		N/mm (lbf/in)	8 (47)	5 (29)	15 (86)
Operating temp., cont.			-30/100°C (-22/176 °F)	-10/70 °C (14/158 °F)	-10/70 °C (14/158 °F)
Field of use			L	Mo, El	L, Ch, Ph
Method of transportation	horizontal		yes	yes	yes
	buffering		no	yes	no
	rejection of goods		no	no	yes
	inclined		yes	no	yes
Surface of conveying side			smooth	smooth	smooth
Color transport surface			white	black	dark green
Antistatic			yes	yes	yes
Suitable for food			EU/FDA	no	no
Cleats			yes	yes	yes
Suitable for knife edge			yes	no	no

Coefficient of friction of steel workpiece on belt (transport surface) (The values listed below serve as guideline values)				
		FMB-5EMWT-W2	NHB-5EKBV	NAB-8EEDV 11
Workpiece of steel	[μ_G]	0.75	0.25	0.25

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.

BELT TYPES

PRICE CLASS 1: STANDARD

Manufacturer's designation			FNB-5E+H15	FNI-5EIWH-P1	HNB-5E 14
Belt-code			73	12	20
Thickness			1.3 mm (0.05“)	0.95 mm (0.04“)	1.3 mm (0.05“)
Mass		kg/m² (lb/sqft)	1.4 (0.29)	0.85 (0.17)	1.5 (0.31)
Min. drum diameter			15 mm (0.59“)	15 mm (0.59“)	15 mm (0.59“)
Edge radius			R4 mm (R0.16“)	R4 mm (R0.16“)	R4 mm (R0.16“)
$k_{1\%}$ after relaxation		N/mm (lbf/in)	4.8 (27)	4.6 (26)	4.8 (27)
$k_{perm.}$		N/mm (lbf/in)	11 (63)	11 (63)	11 (63)
Operating temp., cont.			-15/80 °C (5/176 °F)	-40/110 °C (-40/230 °F)	-20/90 °C (-4/194 °F)
Field of use			L	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			USDA	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+H15	FNI-5EIWH-P1	HNB-5E 14
Workpiece of steel		0.15	0.15	0.20

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]
USDA	USD certified for compliance with NSF/ANSI/3-A 14159-3 standard for Meat and Poultry Processing

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

BELT TYPES

PRICE CLASS 2: HIGH CLASS

Manufacturer's designation			ENI-5EE	HAT-5E 15
Belt-code			15	21
Thickness			1.2 mm (0.05“)	1.5 mm (0.06“)
Mass		kg/m² (lb/sqft)	1.2 (0.25)	1.8 (0.37)
Min. drum diameter			20 mm (0.79“)	25 mm (0.98“)
Edge radius			R4 mm (0.16“)	-
$k_{1\%}$ after relaxation		N/mm (lbf/in)	4.2 (24)	4.8 (27)
$k_{perm.}$		N/mm (lbf/in)	11 (63)	12 (69)
Operating temp., cont.			-30/80°C (-22/176°F)	0/80°C (32/176°F)
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		0.15	0.15

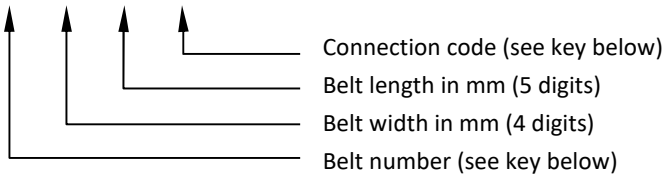
Legend:

$k_{1\%}$	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.

BELT KEY LIST

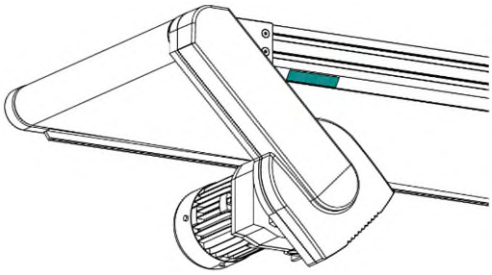
Structure of our order key: **10/0457/02326/1**



Belt no.	Belt designation	Connection code
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
64	FNI-5EMWT-W2	1 / 2/ 3 / 4
69	FMB-5EMWT-W2	1 / 2 / 3 / 4
73	FNB-5E+H15	1 / 2/ 3 / 4
75	XVT-2304	1 / 3 / 4

Connection code 1 = endless flexproof
Connection code 2 = endless thermofix
Connection code 3 = open skived
Connection code 4 = blunt cut

Connection code 1 is preferable to 2!



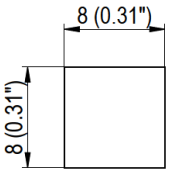
For replacement belts, you will find the information on the type plate of the GTB conveyor (belt type, belt width and length).

You can order the replacement belts conveniently and easily in our online store.

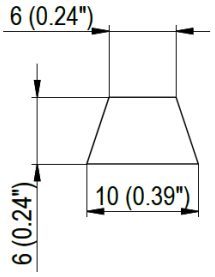
https://montech.com/us/en/shop

CLEATS FOR GTB CONVEYOR [1)]

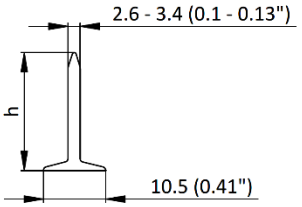
Manufacturer's designation	E-PQ08-SA	E-PQ08-SD	E-PQ08-FG	E-PQ08-FW
Color	anthracite	dark green	green	white
Suitable for belt type	NHB-5EKBV NAB-8EEDV 11		HNB-5E-14 XVT-2304 FNB-5E+H15 FMB-5EMWT-W2	
Min. cleat spacing A [8)]	40 mm (1.57")			



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	NHB-5EKBV NAB-8EEDV 11		HNB-5E-14 XVT-2304 FNB-5E+H15 FMB-5EMWT-W2	
Min. cleat spacing A [8)]	40 mm (1.57")			



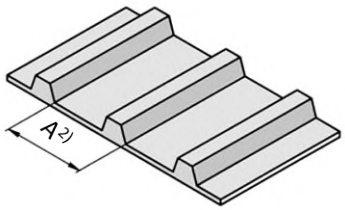
Manufacturer's designation	E-PN..-FW	E-PN..-FG	E-PN..-FD
Color	white	green	dark green
Suitable for belt type	HNB-5E-14 XVT-2304 FNB-5E+H15 FMB-5EMWT-W2		
Min. cleat spacing A [8)]	25 mm (0.98")		
Cleat height h	20 mm (0.79") (E-PN20-FW) 30 mm (1.18") (E-PN30-FW) 40 mm (1.57") (E-PN40-FW) 60 mm (2.36") (E-PN60-FW)	20 mm (0.79") (E-PN20-FG) 30 mm (1.18") (E-PN30-FG) 40 mm (1.57") (E-PN40-FG) 60 mm (2.36") (E-PN60-FG)	20 mm (0.79") (E-PN20-FD) 30 mm (1.18") (E-PN30-FD) 40 mm (1.57") (E-PN40-FD) 60 mm (2.36") (E-PN60-FD)



Cleat spacing [2)]

$$\text{Cleat spacing A} = \frac{2 \times \text{length L [mm]}^{3)} + 60\ (2.36")}{\text{Number of cleats}}$$

$$\text{Number of cleats} = \frac{2 \times \text{length L [mm]}^{3)} + 60\ (2.36")}{\text{Cleat spacing A}}$$



[1)] The delivery period for cleated belts is at least two weeks

[2)] The tolerance of the cleat spacing A is ± 2 mm (0.08")

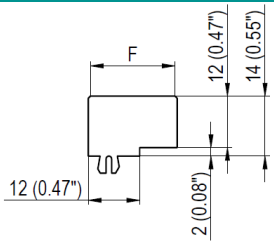
[3)] Length L see page 7

NOTE

When using cleated belts with floor stands, the wide version must always be selected.
If not noted otherwise on the order, we assume the following: Cleat width = Belt width

GTB CONVEYOR ACCESSORIES

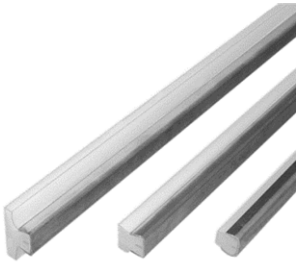
Fixed side guide L = 2000 mm (78.74”)	Item no.	
	white	black (antistatic)
F = 20.75 mm (0.82”)	28186	28186S
F = 26.75 mm (1.05”)	32071	32071S
F = 35.75 mm (1.41”)	28188	28188S
F = 43.75 mm (1.72”)	67425	67425S

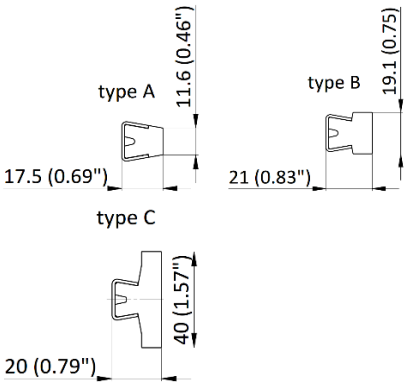


In addition to the standard widths, project-specific side guides are also available.



Side guide	L [mm]	Item no.	
		white	black (antistatic)
Type A	1000 (39.37”)	504985/1000	522622/1000
	2000 (78.74”)	504985/2000	522622/2000
	3000 (118.11”)	504985/3000	522622/3000
Type B	1000 (39.37”)	504986/1000	522623/1000
	2000 (78.74”)	504986/2000	522623/2000
	3000 (118.11”)	504986/3000	522623/3000
Type C	1000 (39.37”)	504987/1000	522624/1000
	2000 (78.74”)	504987/2000	522624/2000
	3000 (118.11”)	504987/3000	522624/3000





Note: Adjustable side guides are only possible from a conveyor length of 500 mm (19.69”).

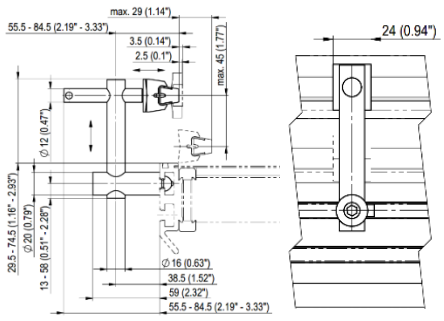


Adjustable bracket for side guide types A/B/C	Item no.
	50094



For types A, B and C:

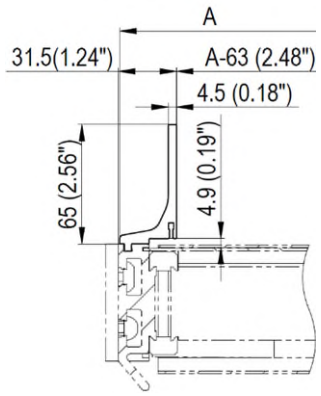
0-1400 mm (0-55.12”) = 2 holders
1400-2400 mm (55.12-94.49”) = 3 holders
2400-3000 mm (94.49-118.11”) = 4 holders





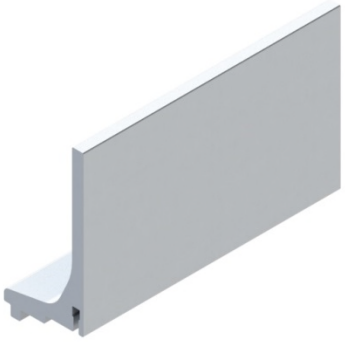
GTB CONVEYOR ACCESSORIES

Aluminum side guide	Item no.
	54263/0000



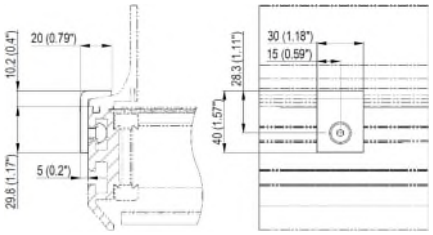
Note: Aluminum side guides are only possible from a conveyor length of 400 mm (15.75”).





Holder for aluminum side guide	Item no.
	54864

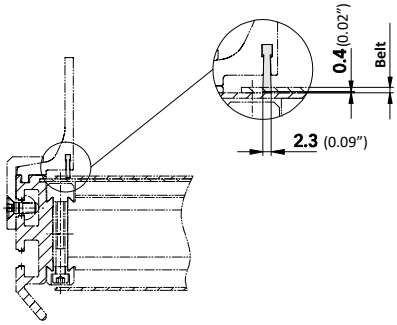
0-1400mm (0-55.12”) = 2 holders
1400-2000mm (55.12-78.74”) = 3 holders

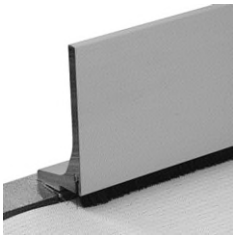




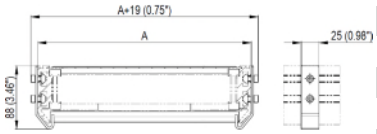


Strip brush for side guide L =2000 mm (78.74”)	Item no.
	508390





Belt support		A [mm]	Item no.
	GTB-200	200 mm (7.87”)	**50084**
	GTB-300	300 mm (11.81”)	**50085**
	GTB-400	400 mm (15.75”)	**50086**
	GTB-500	500 mm (19.69”)	**50087**
	GTB-600	600 mm (23.62”)	**50088**
	GTB-700	700 mm (27.56”)	**50089**
	GTB-800	800 mm (31.50”)	**50090**



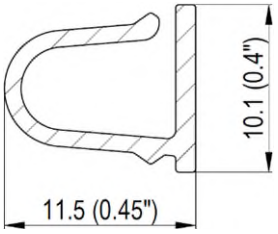
Option for long conveyors



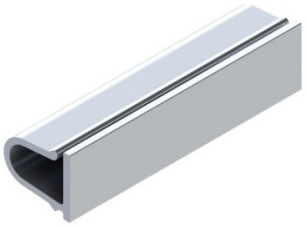


GTB CONVEYOR ACCESSORIES

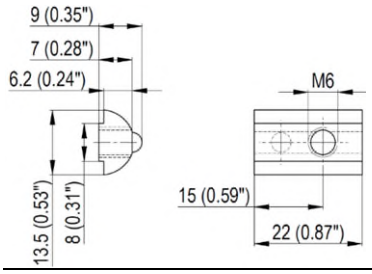
Cover profile for T-slot (aluminum)	Item no.
(per meter).	49505

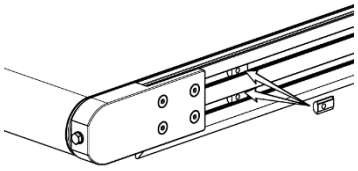


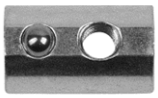




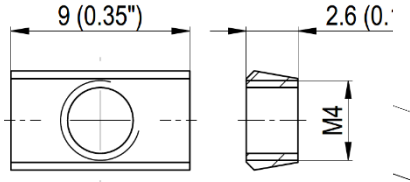
T-nut swivelable M6	Item no.
	506969

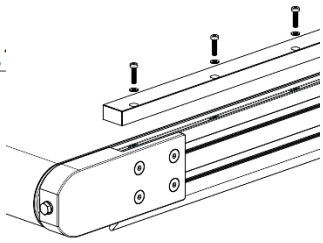


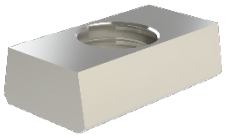




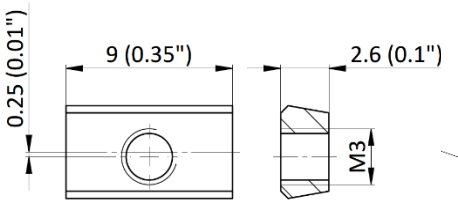
T-nut for side guide M4	Item no.
	63104

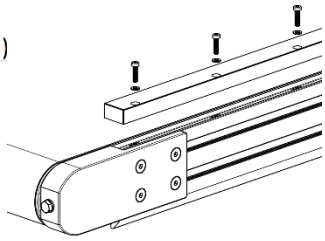


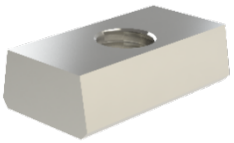




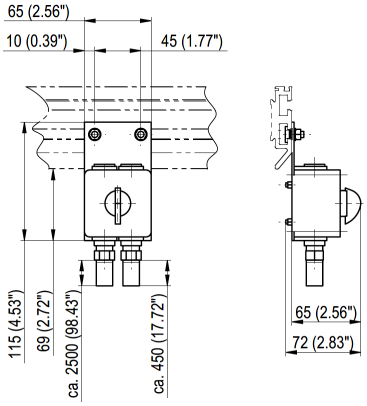
T-nut eccentric for side guide M3	Item no.
	63117

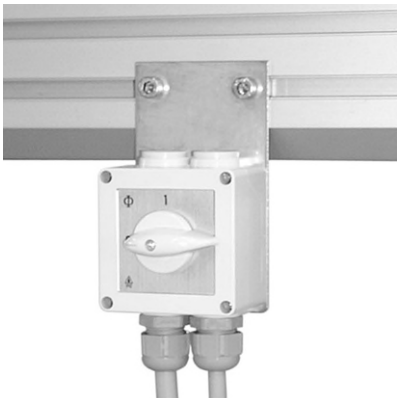






Motor switch with mounting plate	Item no.
	50092



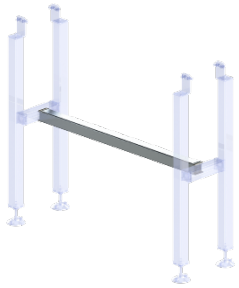
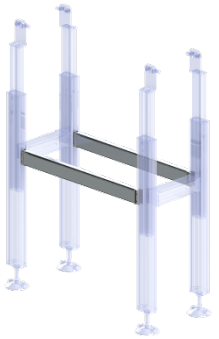


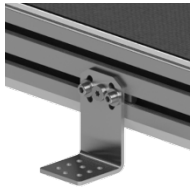
FLOOR STANDS / TABLE STANDS BS40/TS40

Conventions for item numbers and designations / abbreviations

Fundamentally, all items have a 5-digit item number. The item number is supplemented with the width, height, Separation point, length or variant of the feet.

Product	Designation key	Item no.	Explanation
Floor stand, 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 = plastic adjustable feet / SE = stainless adjustable feet LR = swivel castor BR = fixed castor
	BS40-T-400-037x062-B-G-SF	*69359/0400/G/SF*	*Example of floor stand, telescopic*
Fixed floor stand	**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 = plastic adjustable feet / SE = stainless 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 key	Item no.	Explanation
Single traverse	**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*
Double traverse	**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 key	Item no.	Explanation
Mounting 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*

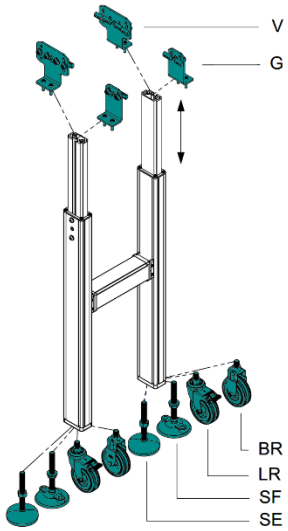
Floor stands telescopic 037x062, wide version	Item no.
BS40-T-...-037x062-B-...-...	**69359/.../.../...**

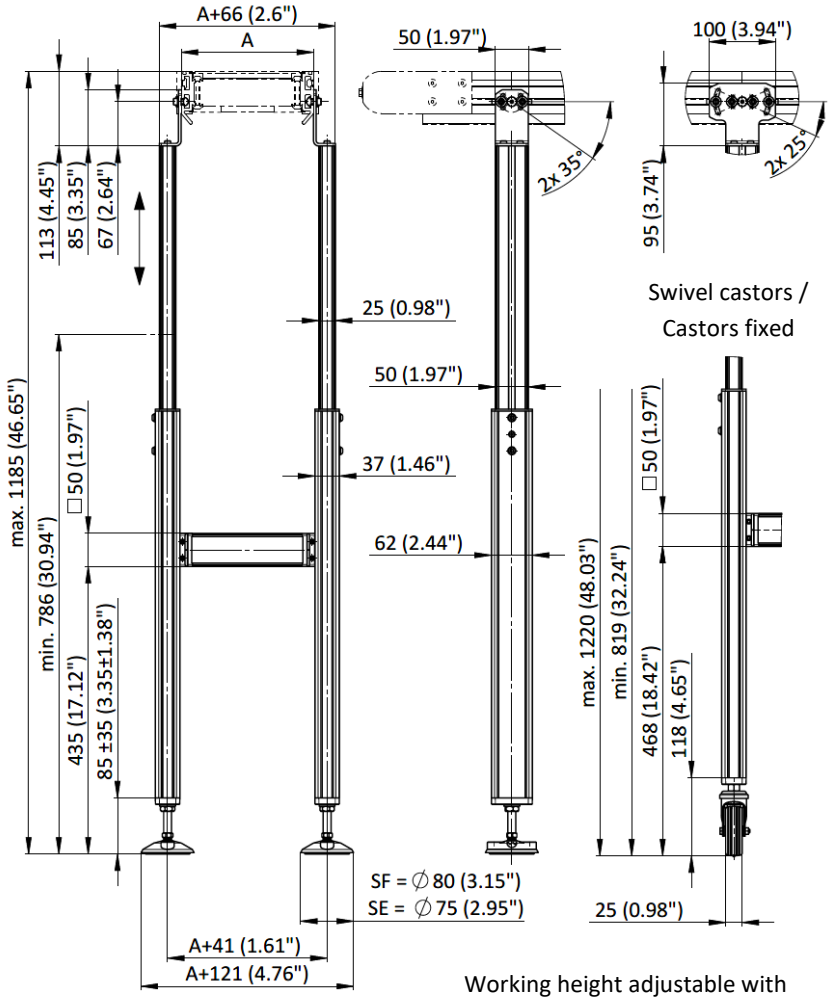
Valid for the following conveyor sizes
300, 400 mm (11.81”, 15.75”)



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

The exact key can be found on page 24.





Working height adjustable with
Adjustable feet SF/SE H = 786 – 1185 mm (30.94 - 46.65”)
Swivel castors LR H = 819 – 1220 mm (32.24 – 48.03”)
Castors fixed BR H = 819 – 1220 mm (32.24 – 48.03”)
(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

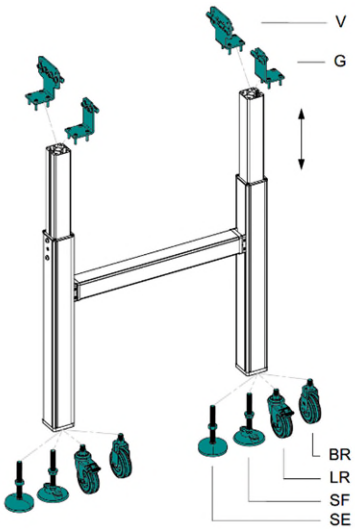
Floor stands telescopic 062x062, wide version	Item no.
BS40-T-…-062x062-B-…-…	**69522/…/…/…**

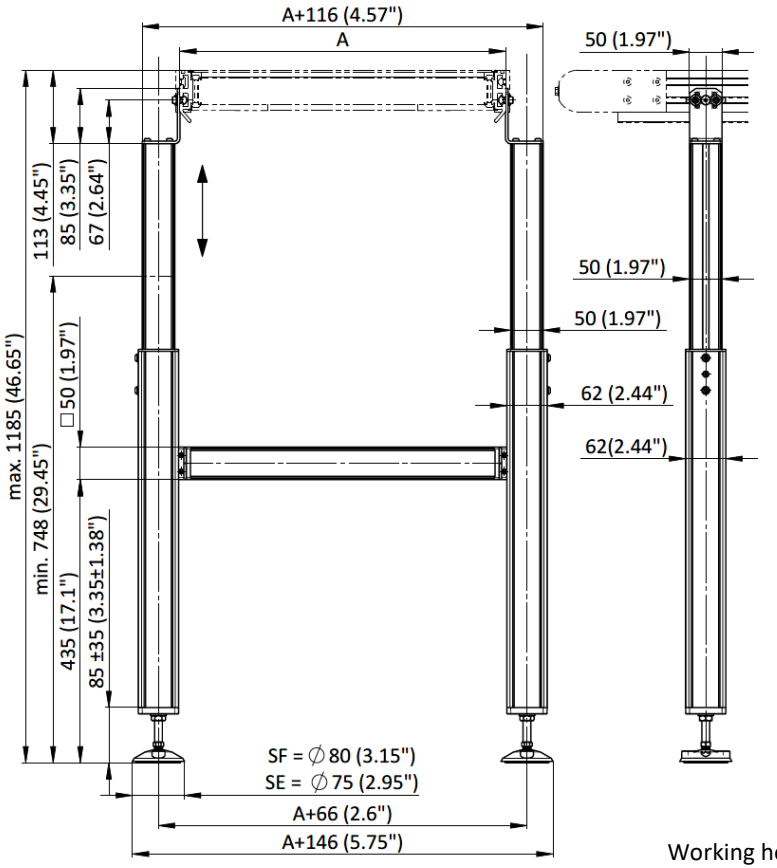
Valid for the following conveyor sizes
500, 600, 700, 800 mm (19.69”, 23.62”, 27.56”, 31.49”)

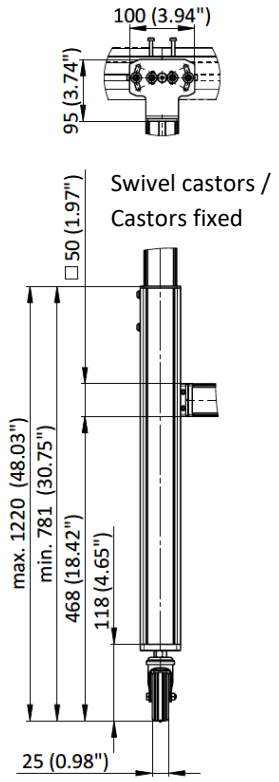
Example:
BS40-T-500-062x062-B-G-SF 69522/0500/G/SF

The exact key can be found on page 24.









Working height adjustable with
Adjustable feet SF/SE H = 748 – 1185 mm (29.45 - 46.65”)
Swivel castors LR H = 781 – 1220 mm (30.75 – 48.03”)
Castors fixed BR H = 781 – 1220 mm (30.75 – 48.03”)
(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

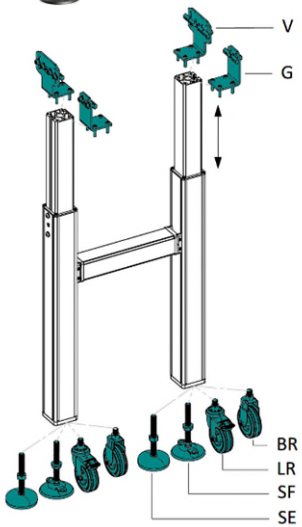
Floor stands telescopic 062x062, narrow version	Item no.
BS40-T-…-062x062-S-…-…	**69204/…/…/…**

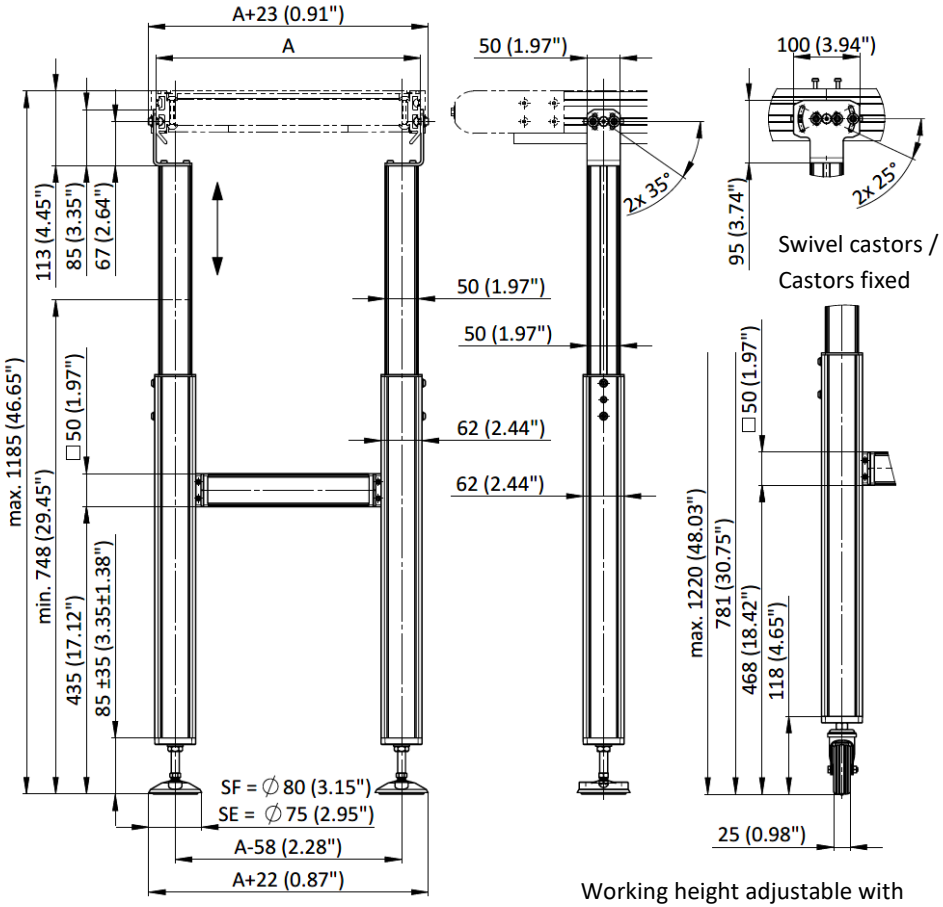
Valid for the following conveyor sizes
400, 500, 600, 700, 800 mm (15.75”, 19.69”, 23.62”, 27.56”, 31.49”)

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

The exact key can be found on page 24.







Working height adjustable with
Adjustable feet SF/SE H = 748 – 1185 mm (29.45 - 46.65”)
Swivel castors LR H = 781 – 1220 mm (30.75 – 48.03”)
Castors fixed BR H = 781 – 1220 mm (30.75 – 48.03”)
(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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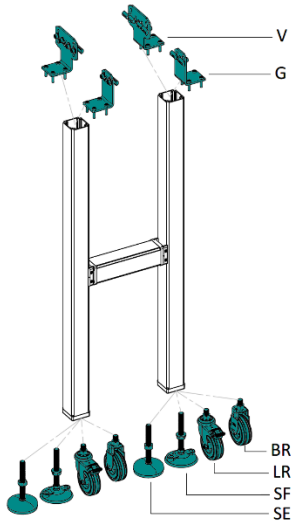
Floor stands 050x050, wide version	Item no.
BS40-...-050x050-B-...-...	**69340/.../.../.../...**

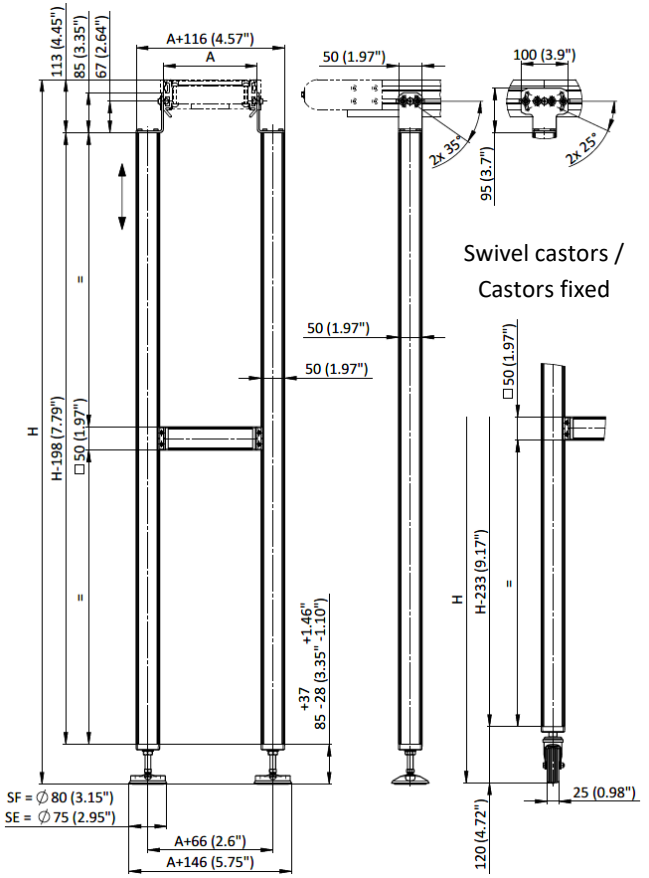
Valid for the following conveyor sizes
300, 400, 500, 600, 700, 800 mm (11.81”, 15.75”, 19.69”, 23.62”, 27.56”, 31.49”)

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

The exact key can be found on page 24.







Possible working height with
Adjustable feet SF/SE H = 250 – 1500 mm (9.84 – 59.06”)
Swivel castors LR H = 290 – 1500 mm (11.42 – 59.06”)
Castors fixed BR H = 290 – 1500 mm (11.42 – 59.06”)
(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/....**

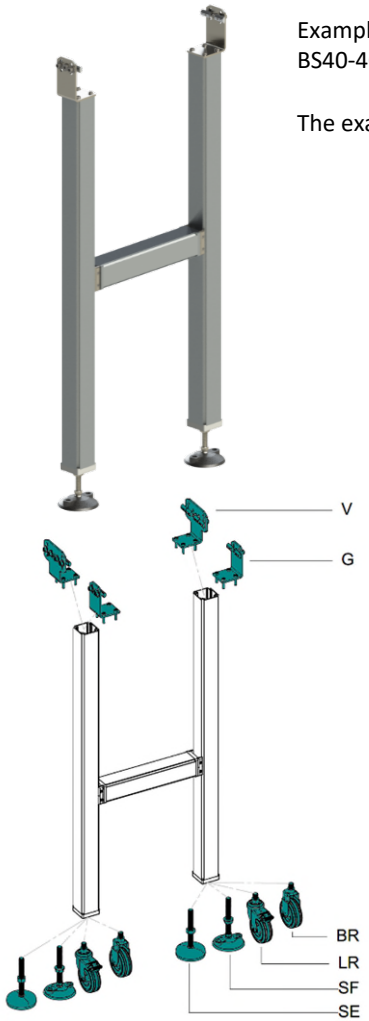
* For floor stand with swivel castor or castors fixed, use double traverse

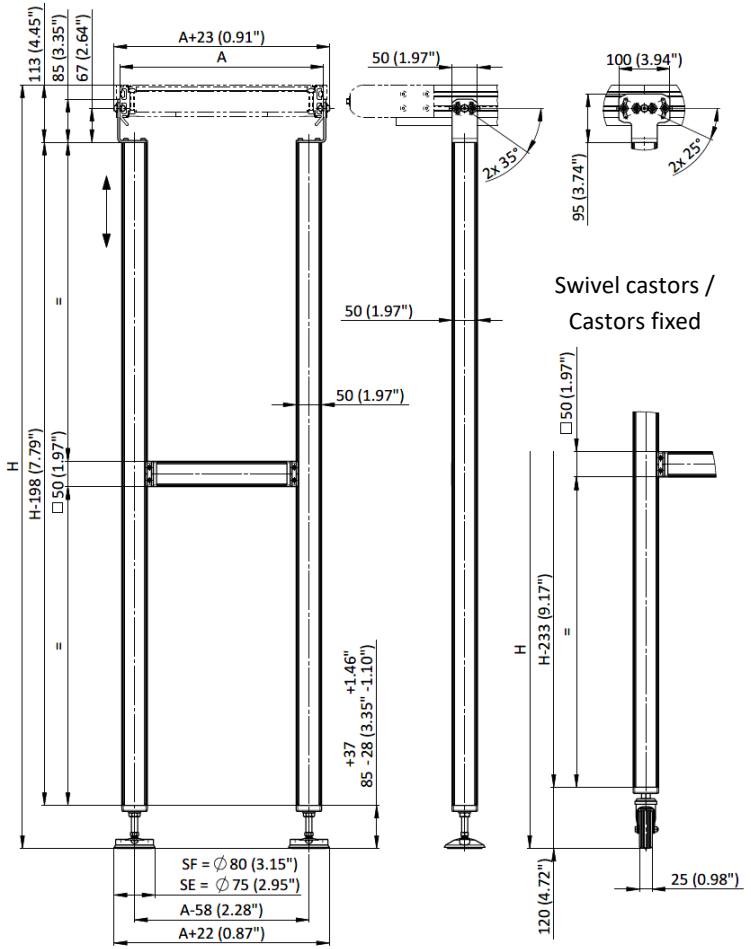
Floor stands 050x050, narrow version	Item no.
BS40-…-050x050-S-…-…	**69339/…/…/…/…**

Valid for the following conveyor sizes
400, 500, 600, 700, 800 mm (15.75”, 19.69”, 23.62”, 27.56”, 31.49”)

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

The exact key can be found on page 24.



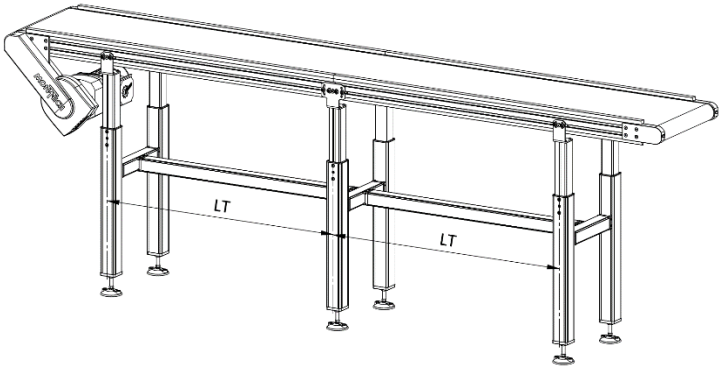


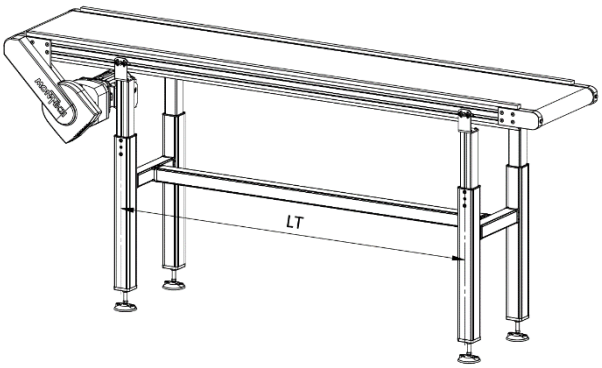
Possible working height with
Adjustable feet SF/SE H = 250 – 1500 mm (9.84 – 59.06”)
Swivel castors LR H = 290 – 1500 mm (11.42 – 59.06”)
Castors fixed BR H = 290 – 1500 mm (11.42 – 59.06”)
(Working height = Belt surface)

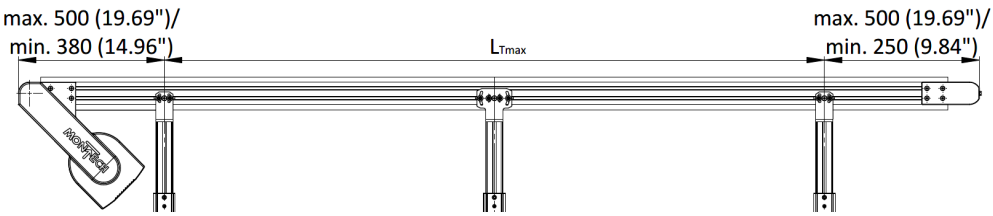
compatible traverse for floor stands 050x050	Item no.
TE-5000-050x050/050x050 L=0000 mm (single strut)	**69399/….**
TD-5000-050x050/050x050 L=0000 mm (double strut)*	**69396/….**

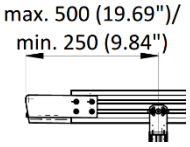
* For floor stand with swivel castor or castors fixed, use double traverse

INSTALLATION FLOOR STANDS









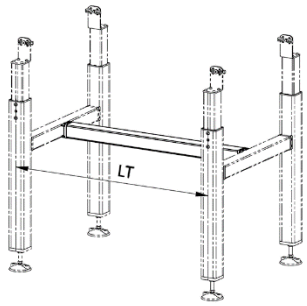
Belt end with diverter roller

End section with knife edge

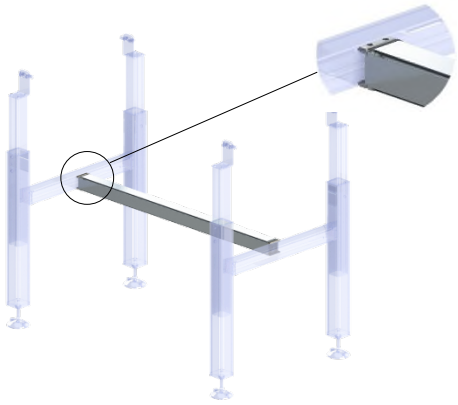
Load/meter (39.37“)	Max. Support spacing $L_{T\,max}$
100 kg/m (67.20 lbs/ft)	1655 mm (65.16”)
95 kg/m (63.84 lbs/ft)	1680 mm (66.14”)
90 kg/m (60.48 lbs/ft)	1700 mm (66.93”)
85 kg/m (57.12 lbs/ft)	1725 mm (67.91”)
80 kg/m (53.78 lbs/ft)	1750 mm (68.90”)
75 kg/m (50.40 lbs/ft)	1788 mm (70.39”)
70 kg/m (47.04 lbs/ft)	1829 mm (72.01”)
65 kg/m (43.68 lbs/ft)	1875 mm (73.82”)
60 kg/m (40.32 lbs/ft)	1926 mm (75.83”)
55 kg/m (36.96 lbs/ft)	1982 mm (78.03”)
50 kg/m (33.60 lbs/ft)	2046 mm (80.55”)
45 kg/m (30.24 lbs/ft)	2120 mm (83.46”)
40 kg/m (26.88 lbs/ft)	2204 mm (86.77”)
35 kg/m (23.52 lbs/ft)	2305 mm (90.75”)
30 kg/m (20.16 lbs/ft)	2426 mm (95.51”)
25 kg/m (16.80 lbs/ft)	2500 mm (98.43”)

TRAVERSES

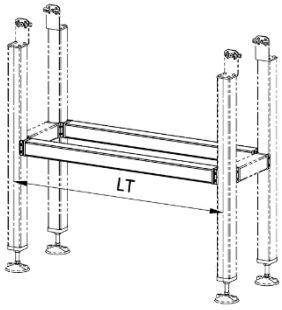
Traverse for floor stand	Item no.
TE-5000-050x050/050x050 L=0000 mm (single strut)	**69399/….**



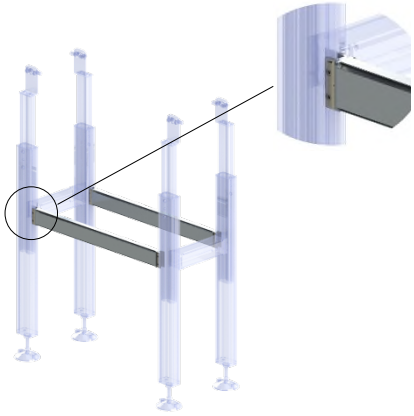
Length L_T corresponds to the center-to-center spacing between two floor stands.
min. 500 mm (19.69”)
max. 2500 mm (98.43”)
Example:
TE-5000-050x050/050x050 L=1750 mm (68.90”) 69399/1750
The exact key can be found on page 25.



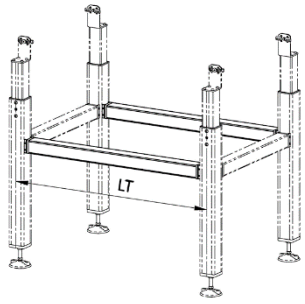
Traverse for floor stand	Item no.
TD-5000-025x050/037x062 L=0000 mm (double strut)	**69400/….**



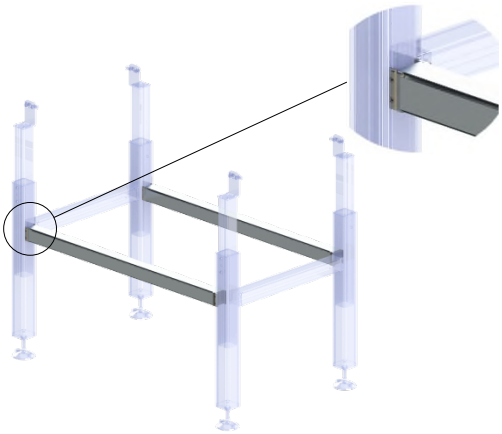
Length L_T corresponds to the center-to-center spacing between two floor stands.
min. 500 mm (19.69”)
max. 2500 mm (98.43”)
Example:
TD-5000-025x050/037x062 L=1750 mm (68.90”) 69400/1750
The exact key can be found on page 25.



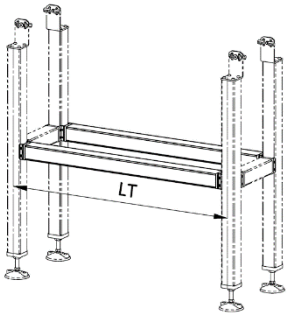
Traverse for floor stand	Item no.
TD-5000-050x050/062x062 L=0000 mm (double strut)	**69397/….**



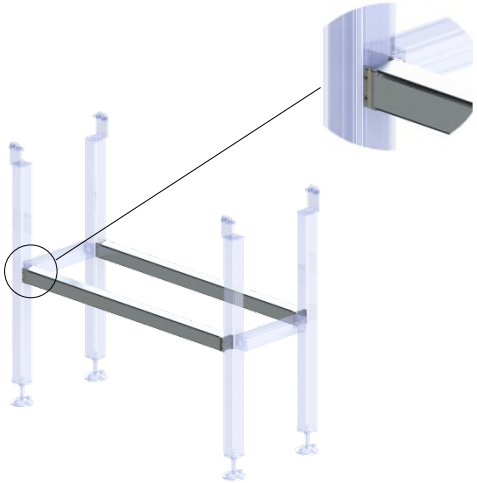
Length L_T corresponds to the center-to-center spacing between two floor stands.
min. 500 mm (19.69”)
max. 2500 mm (98.43”)
Example:
TD-5000-050x050/062x062 L=1750 mm (68.90”) 69397/1750
The exact key can be found on page 25.



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

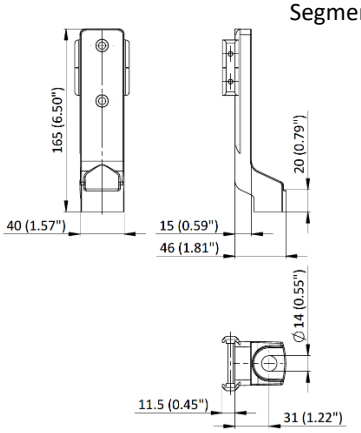


Length L_T corresponds to the center-to-center spacing between two floor stands.
min. 500 mm (19.69”)
max. 2500 mm (98.43”)
Example:
TD-5000-050x050/050x050 L=1750 mm (68.90”) 69396/1750
The exact key can be found on page 25.



FLOOR STAND BS40 ACCESSORIES

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

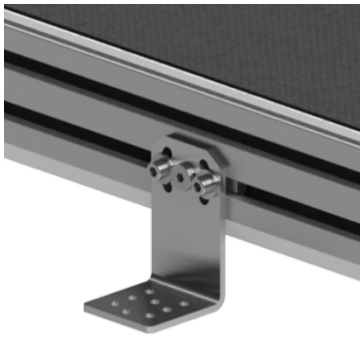




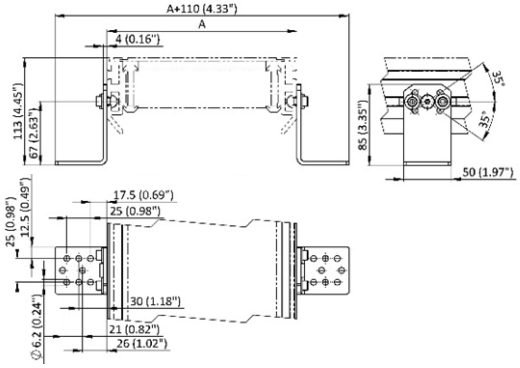


MOUNTING BRACKET

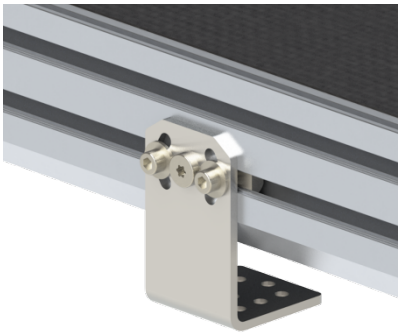
Mounting bracket, wide version (pair)	Item no.
BW40-50x55x113	**69371**

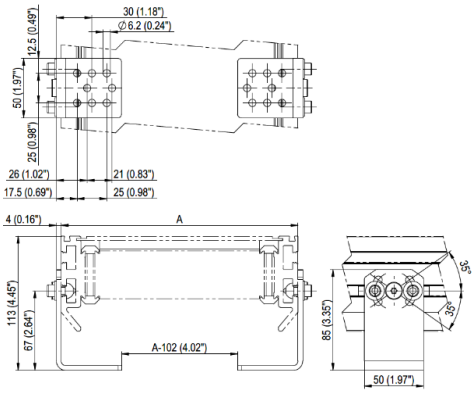


Mounting variant to the outside:

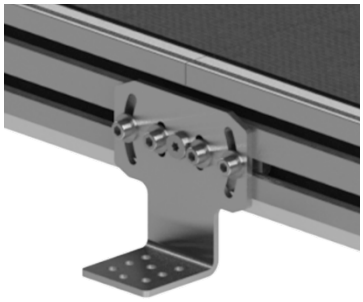


Mounting variant to the inside:

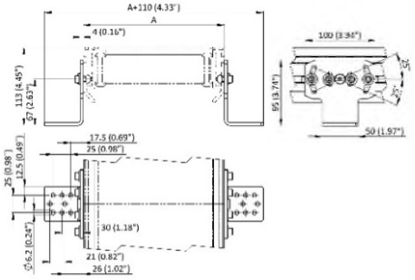




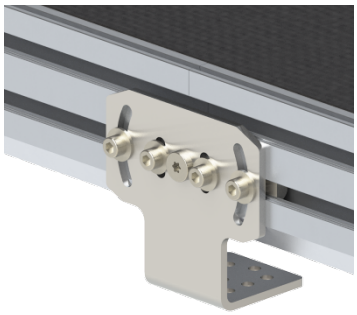
Mounting bracket, wide version (pair) (separation point)	Item no.
BW40-50x55x113-V	**69671**

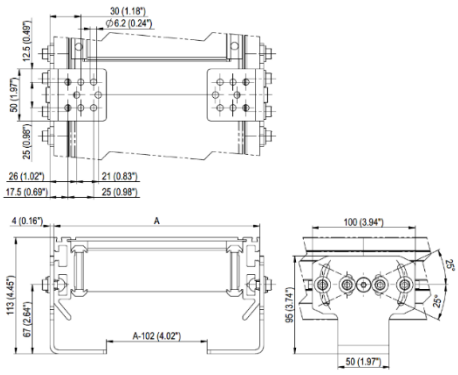


Mounting variant to the outside:



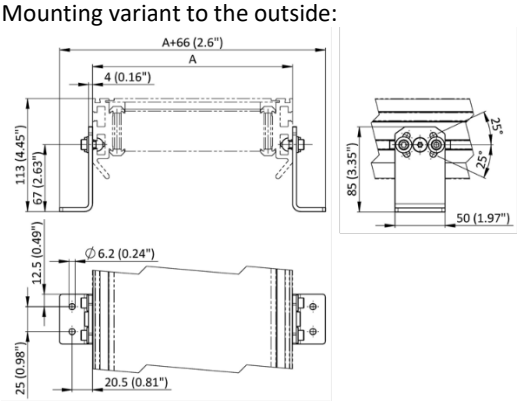
Mounting variant to the inside:





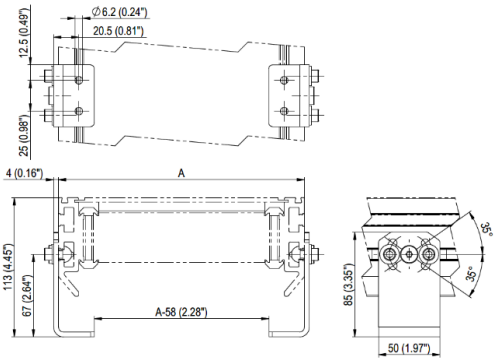
Mounting bracket, narrow version (pair)	Item no.
BW40-50x33x113	**69328**

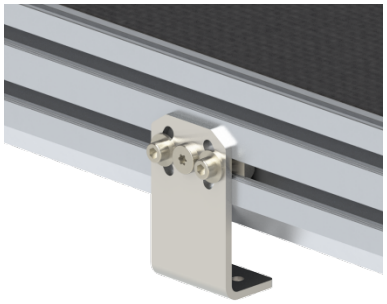
Mounting variant to the outside:





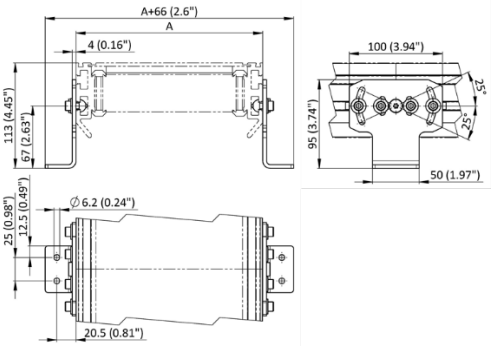
Mounting variant to the inside:

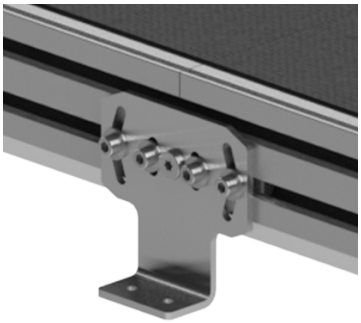




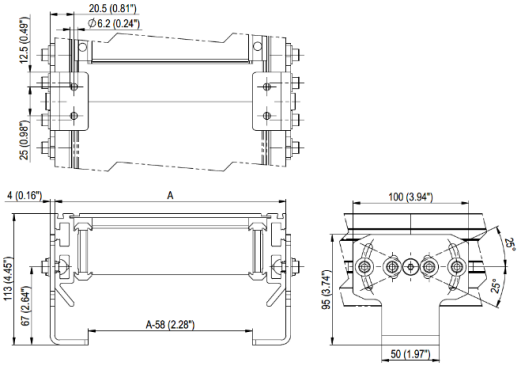
Mounting bracket, narrow version (pair) (separation point)	Item no.
BW40-50x33x113-V	**69686**

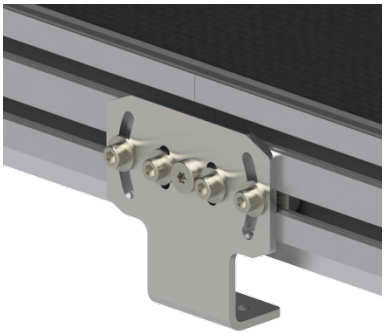
Mounting variant to the outside:





Mounting variant to the inside:

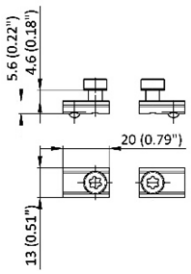




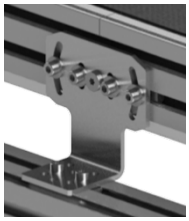
FASTENING SETS AS ACCESSORIES FOR THE MOUNTING BRACKETS

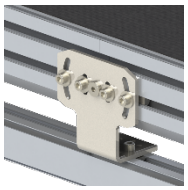
For adaptation to the aluminum framing system MPS, size 5025

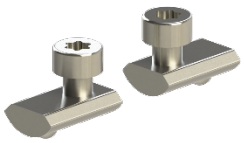
Fastening set for slot fastening	Item no.
BS40-N (pair)	**69613**



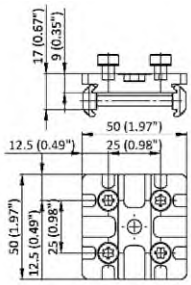
Suitable for mounting bracket:
69371, 69671, 69328, 69686



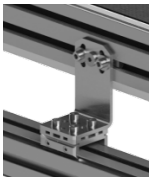


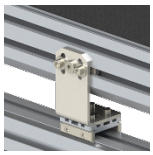


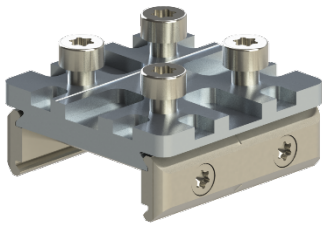
Fastening set for dovetail fastening, grid dimension 50 mm (1.97”)	Item no.
BS40-050x050-SW (pair)	**69612**



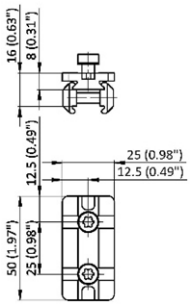
Suitable for mounting bracket:
69371, 69671



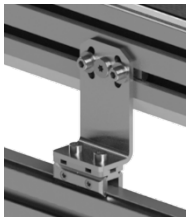


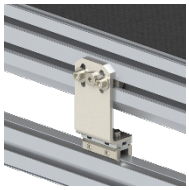


Fastening set for dovetail fastening, grid dimension 25 mm (0.98”)	Item no.
BS40-025x050-SW (pair)	**69611**



Suitable for mounting bracket:
69328, 69686





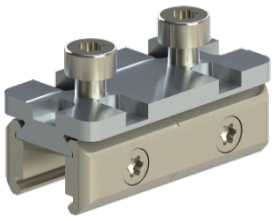
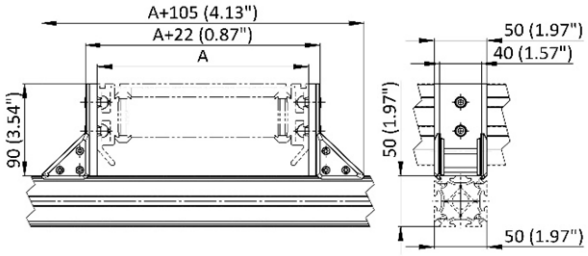


TABLE STAND

For adaptation to the aluminum framing system MPS, size 5025

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



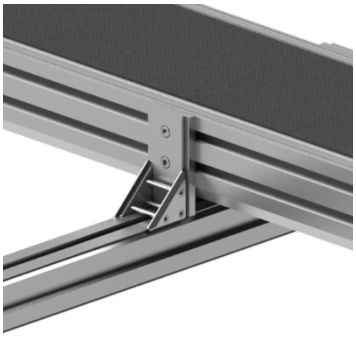
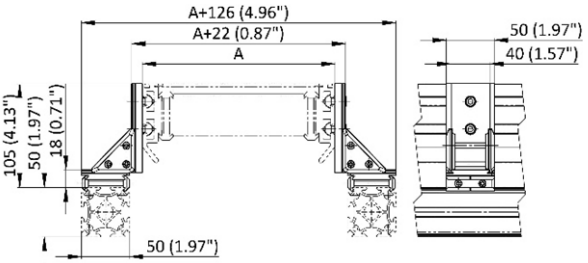
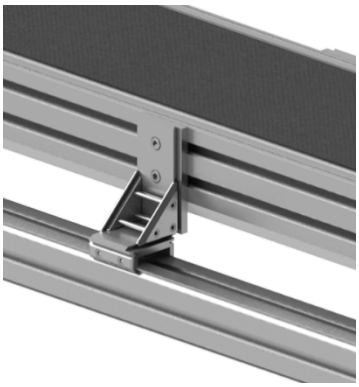
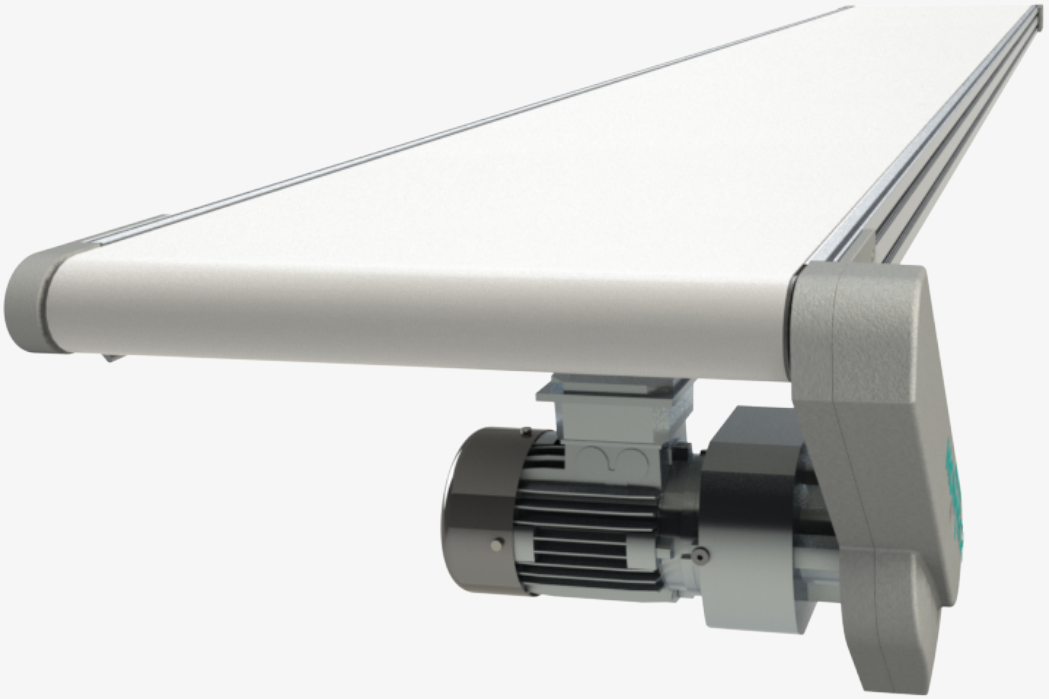


Table stand	Item no.
TS40-H105-050, pair	**69496**







K-100014 USA 2502

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