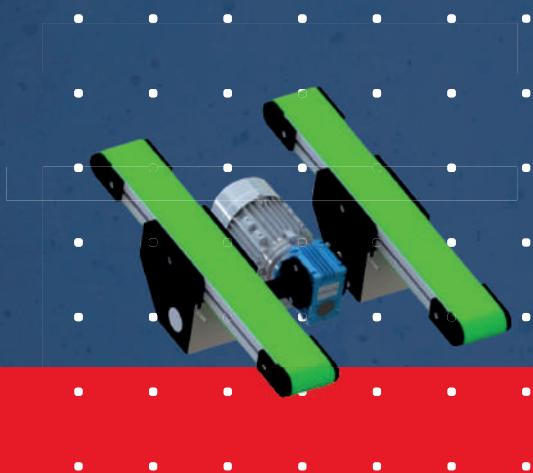




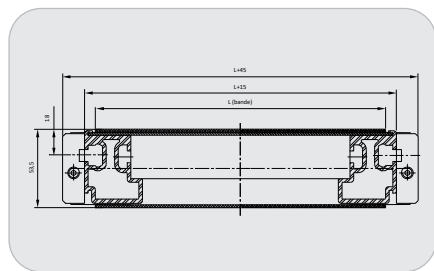
Technical sheet

Belt conveyor TB50



elcom
by hellomoov

Conveyor TB 50



Cleanliness and durability of the stainless steel bed plate

Compact and robust anodized aluminium accessories

Drive accuracy with Ø 50 anodized aluminium roller

Silence and reliability of synchronous drive belt

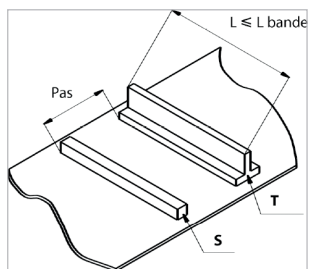
Belt widths:
70, 100, 150, 200, 250
300, 400, 500, 600 mm
low grip PVC or high grip PVC
food quality PVC
low grip PU
heavy duty PU
others on request

Accuracy and reliability of belt tensioning and alignment

Rigidity of structure made of anodized aluminium 40 x 50 profile (8 mm slot for 13 mm square nuts)

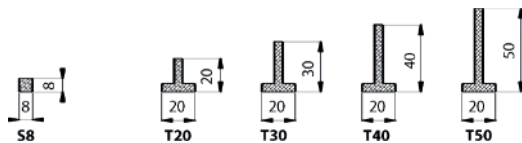
Wide range of available speeds,
3-phase motor reducers (90 w or
180 w 230/400 v)

SLATS



Direct drive only (for shifted drive, please contact us).

IMPORTANT : only **PUBA** belt may accept slats. Please, indicate pitch or slat number. Prefer **ODD** number.



Available belts	Ref.	TH. (mm)	⚡	T _{MAX}	FDA	Application
Low grip PVC (black)	PVCL	1,8	Yes	60°C	No	Transportation (α up to 5°), accumulation is possible
High grip PVC (dark green)	PVCA	2,5	Yes	60°C	No	Transportation (α up to 30°), accumulation is impossible
"Food quality" PVC (white)	ALIM	2,0	No	60°C	Yes	Transportation (α up to 10°), accumulation is allowed
Smooth PU (dark green)	PUBA	1,4	Yes	100°C	No	Transportation (α up to 5°), accumulation is possible
PU heavy duty (green)	PUAD	2,3	Yes	100°C	No	Transportation (α up to 10°), accumulation is allowed
Other belts (translucent, high temperature, ...) on special request						

The nominal lengths of the belt conveyor are shown in a non-tensioned state (except in the case of the intermediate drive).

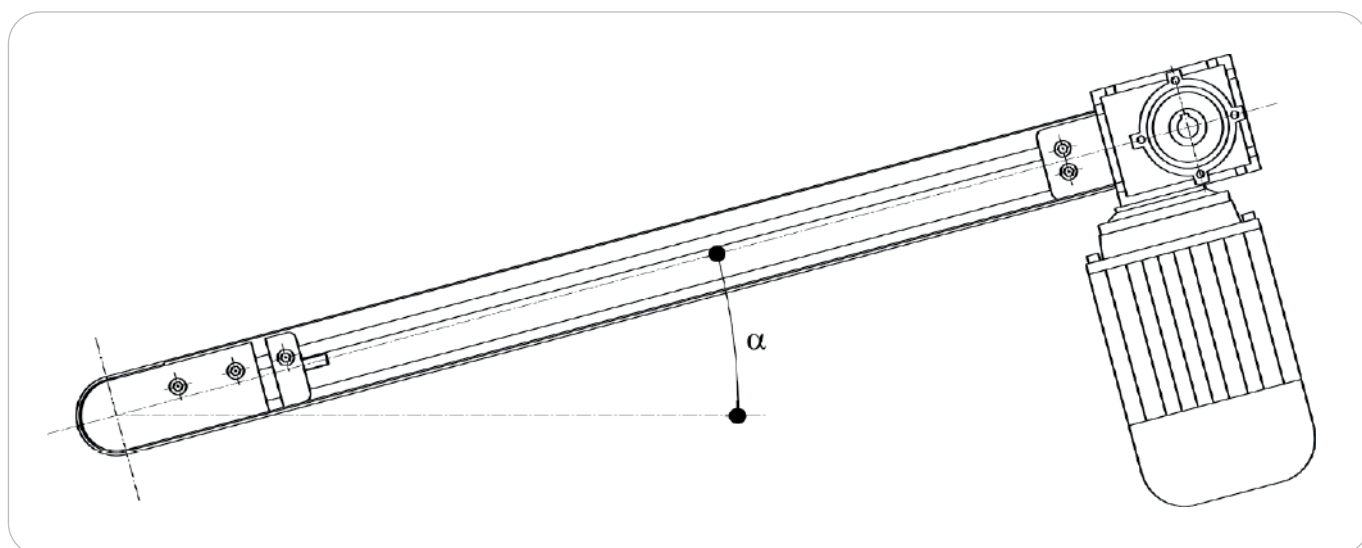
Initial tensioning of the belt during assembly will result in an increase in length of 0.5 % will be observed (i.e. 5 mm every conveyor meter).

With maximum tension applied to the belt, an increase in length of 0,5 % will be observed (i.e. 5 mm every conveyor meter).

Overall maximum length: 6000 mm (bigger on special request).

Allowable loading from 40 kg to 100 kg according to conveyor width.

Speed and inclination: please contact us.



MOTOVARIO motorization (SEW: please contact us)		BELT WIDTHS (mm)						
		70	100	150	200	300	400	500
Direct drive	Right	3070	3100	3150	3200	3300	3400	3560
	Left	3071	3101	3151	3201	3301	3401	3561
Shifted drive	Right	3080	3110	3160	3210	3310	3410	3570
	Left	3081	3111	3161	3211	3311	3411	3571
Intermediate drive		3090	3120	3170	3220	3320	3420	3580

Conveyor TB 50

"STANDARD" SPEEDS (SEW: please contact us)									
180 W motor reducer ratio	<i>l=50</i>	<i>l=40</i>	<i>l=30</i>	<i>l=25</i>	<i>l=20</i>	<i>l=15</i>	<i>l=10</i>	<i>l=7,5</i>	<i>l=5</i>
Belt speed (m/min)	5	6	8	10	12	16	24	32	48
Order reference	3505	3506	3508	3510	3512	3516	3524	3532	3548

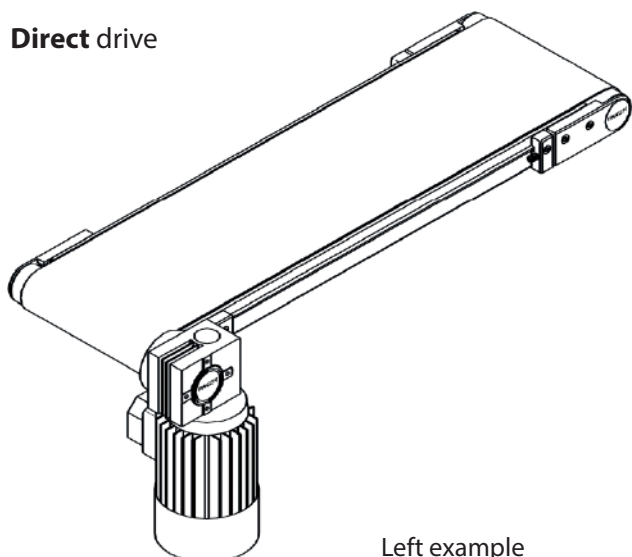
"LOW" SPEEDS (SEW: please contact us)		
90 W motor reducer ratio	<i>l=80</i>	<i>l=60</i>
Belt speed (m/min)	3	4
Order reference	3503	3504

"VERY LOW" SPEEDS (SEW: please contact us)					
90 W motor reducer dual ratio	<i>l=500</i>	<i>l=250</i>	<i>l=150</i>	<i>l=125</i>	<i>l=100</i>
Belt speed (m/min)	0,5	1	1,5	2	2,5
Order reference	3496	3497	3498	3499	3500

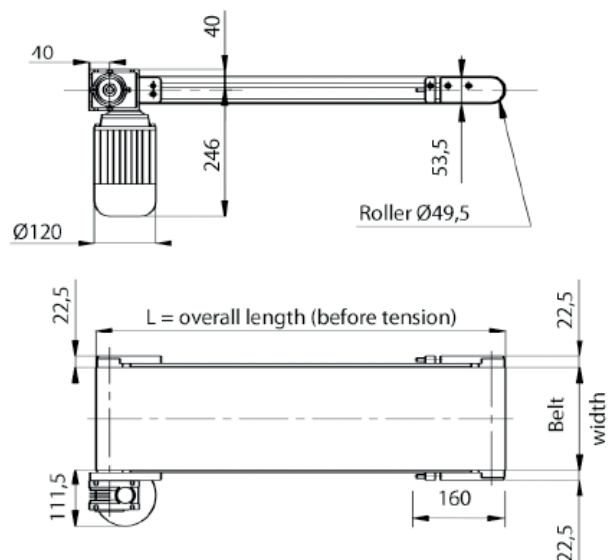
FREQUENCY INVERTER (input: 240 V single-phase)			
Nominal power	180 W	370 W	750 W
Order reference	3000	3001	3002

IMPORTANT : consider the indicated speeds (m/min) with a precision of +/- 10 %, at the 50 Hz frequency (current supply). The use of a frequency inverter allows to select a range of speed between 50 % and 150 % of the nominal value indicated at 50Hz.

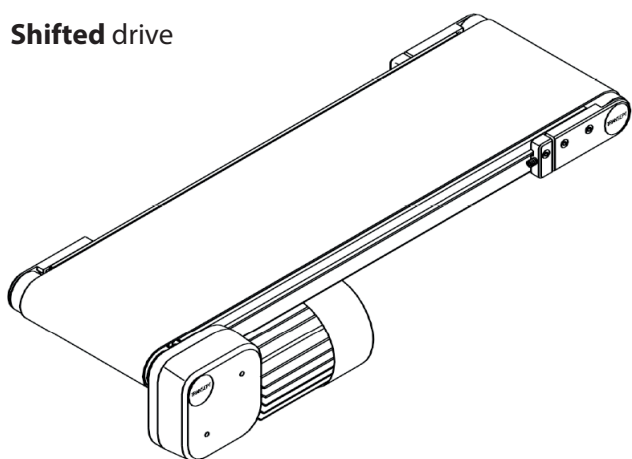
Direct drive



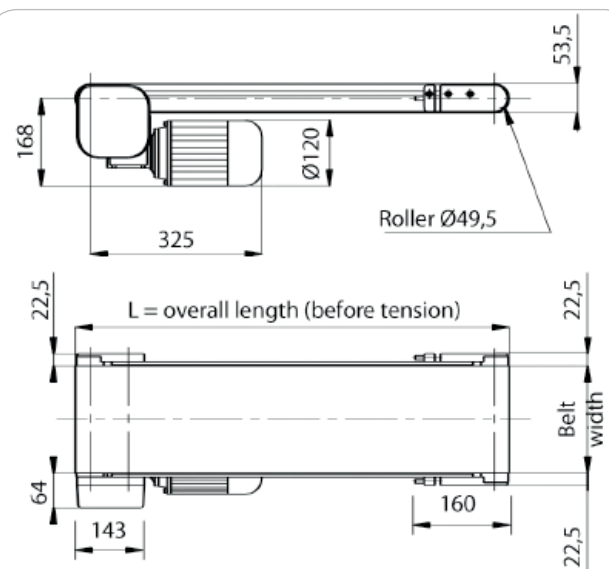
Left example



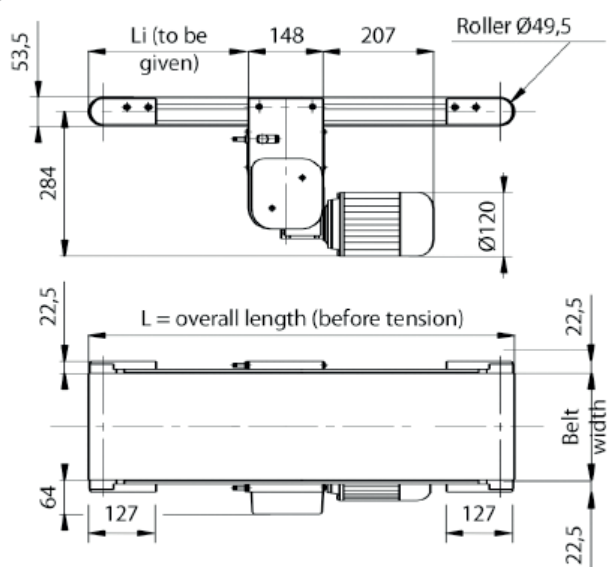
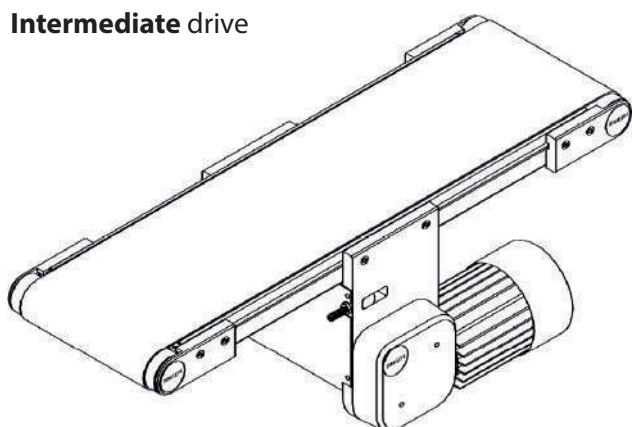
Shifted drive



Left example



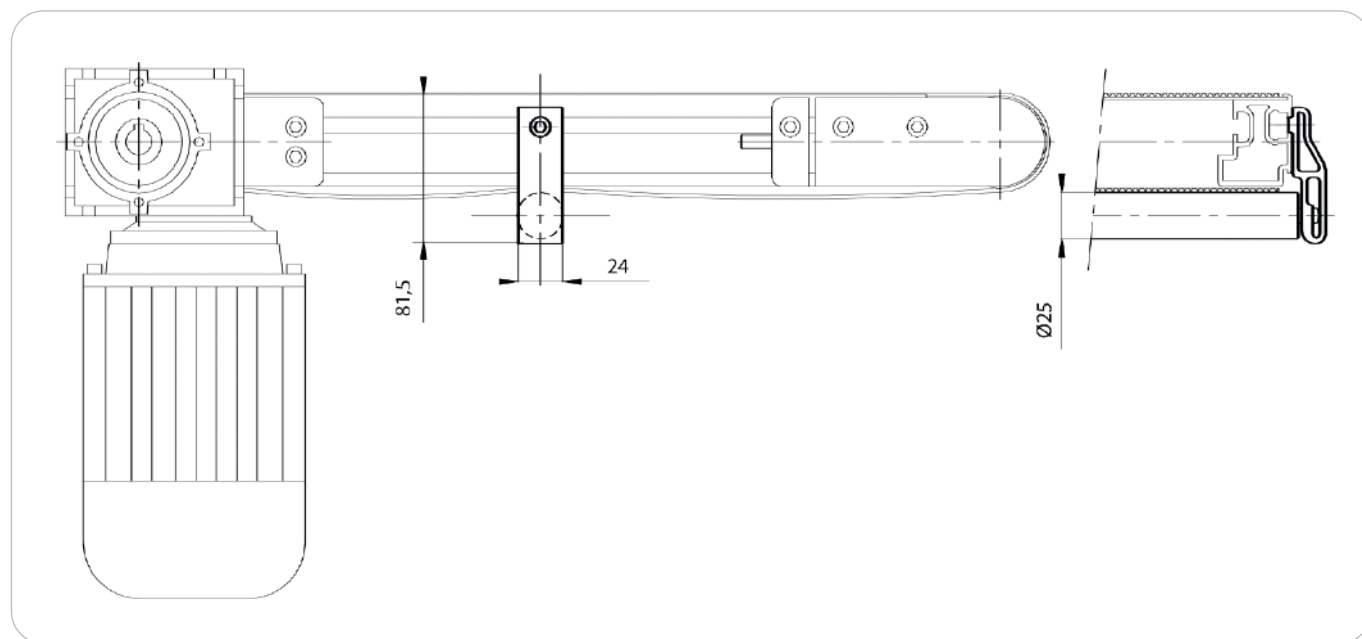
Intermediate drive



Conveyor TB 50

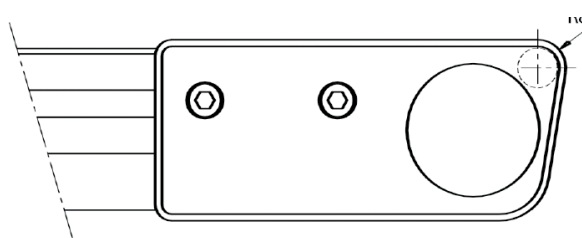
ROLLER SUPPORT

To be used from L=2500 mm and at intervals of 2000 mm.
Specific supports will be used on a belt with slats (slat L < belt W).



KIT EXTREMITY KNIFE

IMPORTANT: the knife end must be used only with **PUBA** belt (PU flat), it is not compatible with slats.

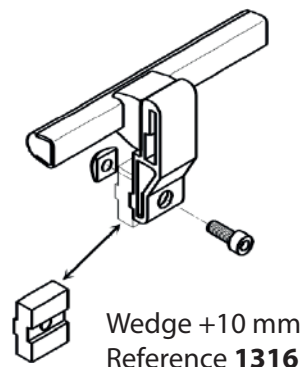
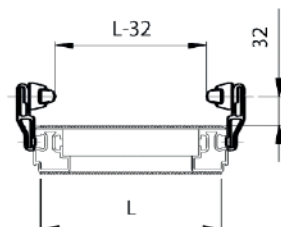


References	BELT WIDTHS (mm)								
	70	100	150	200	250	300	400	500	600
Support roller	3075	3105	3155	3205	3255	3305	3405	3565	3107
Knife end	3606	3613	3618	3623	3624	3633	3643	3653	3665

LATERAL SLIDE GUIDE PROFILE

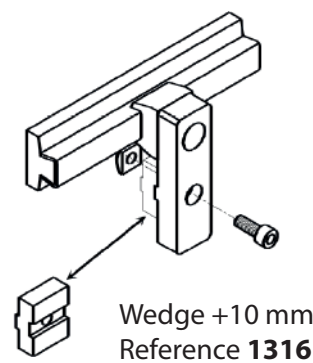
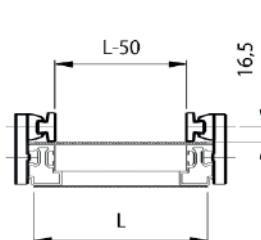
Non adjustable type

Reference **3050**



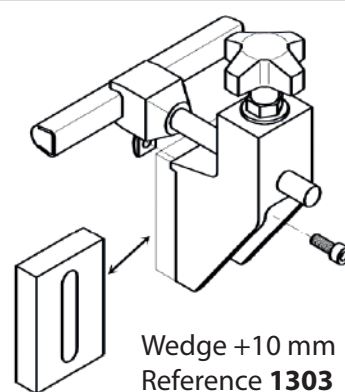
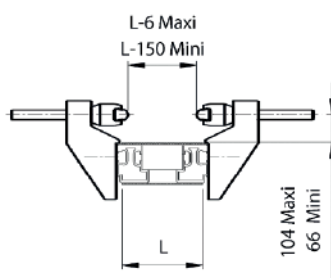
Non adjustable low profile type

Reference **3350**



Adjustable type

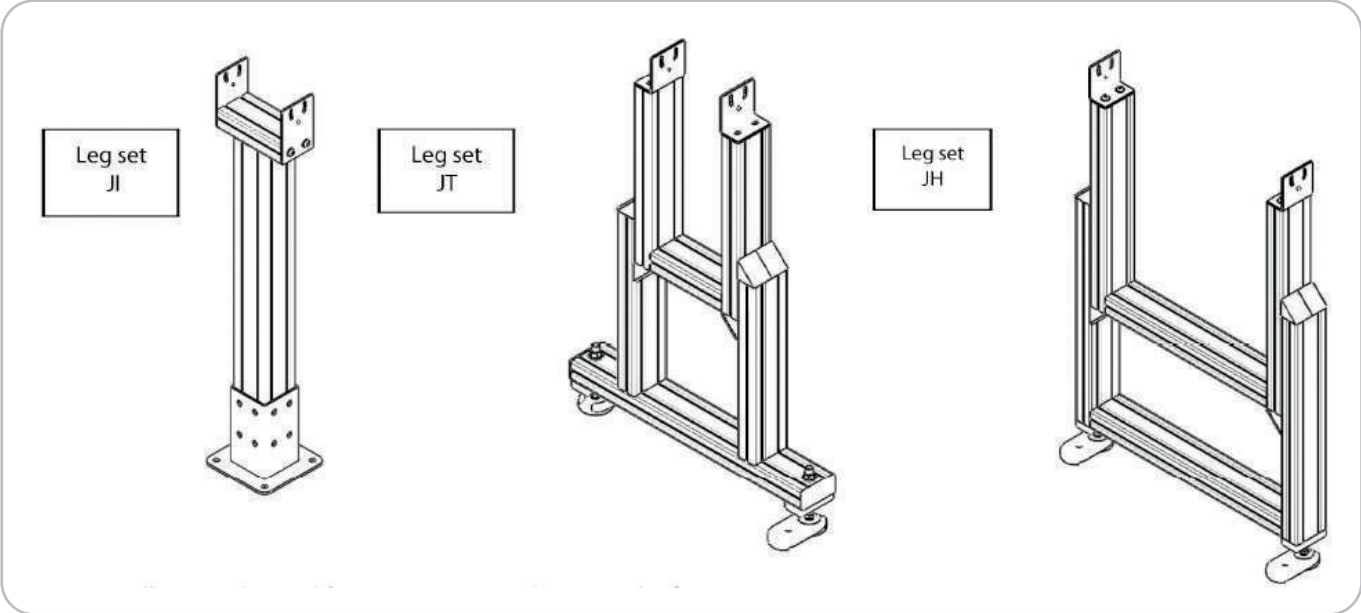
Reference **3700**



Conveyor TB 50

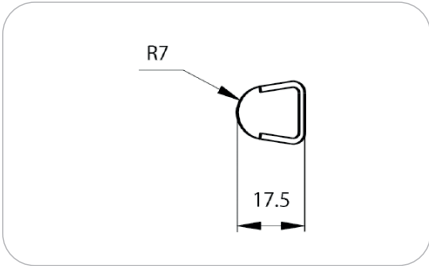
LEG SETS

Aluminium profile 80x40

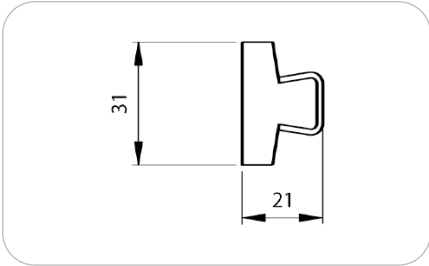


PE / STAINLESS STEEL

Reference 1219



Reference 1498



GROOVE NUT

The tongue keeps the nut in position in vertical grooves.

Packed in bags of 10 pieces.

Square nut	M4	M5	M6	M8
Without tongue	NSCAR8M4	NSCAR8M5	NSCAR8M6	NSCAR8M8
With tongue	NSCL8M4	NSCL8M5	NSCL8M6	NSCL8M8

For leg set nut	M4	M5	M6	M8
¼ turn nut	NS8M4R	NS8M5R	NS8M6R	NS8M8R

Customer	
Project	
Date	
Offer	

Delivery date	
Address	
Zip code	
Town	
Contact	
Mobile	
Email	

Scope of supply ☐ Fully assembled ☐ Carriage prepaid	☐ Assembly on client site	Document to be provided (O=offer ; P=product ; X=O+P) ☐ None ☐ Drawing ☐ Part list ☐ Mounting lay-out ☐ Other document
---	--	---

Maxi load above conveyor:	Kg	Weight of product:	Kg
---------------------------	----	--------------------	----

Dimensions	Total length:	mm
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Type of drive ☐ Direct Right Left ☐ Motor in horizontal position ☐ Shifted Right Left ☐ Intermediate Li dimension= ☐ Support roller (Qty) (every 2 m) ☐ Knife end (0-1-2) ☐ SEW motor reducer ☐ Drum motor option	<table border="1"> <tr> <th>70</th><th>100</th><th>150</th><th>200</th><th>250</th><th>300</th><th>400</th><th>500</th><th>600</th></tr> <tr> <td>3070</td><td>3100</td><td>3150</td><td>3200</td><td>3253</td><td>3300</td><td>3400</td><td>3560</td><td>3600</td></tr> <tr> <td>3071</td><td>3101</td><td>3151</td><td>3201</td><td>3254</td><td>3301</td><td>3401</td><td>3561</td><td>3601</td></tr> <tr> <td colspan="9" style="text-align: center;">3068</td></tr> <tr> <td>3080</td><td>3110</td><td>3160</td><td>3210</td><td>X</td><td>3310</td><td>3410</td><td>3570</td><td>3590</td></tr> <tr> <td>3081</td><td>3111</td><td>3161</td><td>3211</td><td>X</td><td>3311</td><td>3411</td><td>3571</td><td>3591</td></tr> <tr> <td>3090</td><td>3120</td><td>3170</td><td>3220</td><td>3225</td><td>3320</td><td>3420</td><td>3580</td><td>3592</td></tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>3075</td><td>3105</td><td>3155</td><td>3205</td><td>3255</td><td>3305</td><td>3405</td><td>3565</td><td>3107</td></tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>3606</td><td>3613</td><td>3618</td><td>3623</td><td>3624</td><td>3633</td><td>3643</td><td>3653</td><td>3665</td></tr> <tr> <td colspan="9" style="text-align: center;">1543</td></tr> <tr> <td colspan="6"></td> <td colspan="3" style="text-align: center;">5101</td></tr> </table>	70	100	150	200	250	300	400	500	600	3070	3100	3150	3200	3253	3300	3400	3560	3600	3071	3101	3151	3201	3254	3301	3401	3561	3601	3068									3080	3110	3160	3210	X	3310	3410	3570	3590	3081	3111	3161	3211	X	3311	3411	3571	3591	3090	3120	3170	3220	3225	3320	3420	3580	3592																			3075	3105	3155	3205	3255	3305	3405	3565	3107										3606	3613	3618	3623	3624	3633	3643	3653	3665	1543															5101		
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Standard speed m/min	5	6	8	10	12	16	24	32	48
	3505	3506	3508	3510	3512	3516	3524	3532	3548
Low speed m/min	0.5	1	1.5	2	2.5	3	4		
	3496	3497	3498	3499	3500	3503	3504		

Type of belt	70	100	150	200	250	300	400	500	600
☐ Black slick PVC belt	3061	3010	3091	3020	5252	3030	3040	3051	3660
☐ PVC non-sliding belt	3062	3011	3092	3021		3031	3041	3052	3661
☐ White food PVC belt	3063	3012	3093	3022		3032	3042	3053	3662
☐ Heavy duty PU belt	3064	3013	3094	3023		3033	3043	3054	3663
☐ Standard green PU belt	3065	3014	3095	3024		3034	3044	3055	3664
☐ Other									

Legs Heightband/ground Settings +/-
 code example= **TB50-070-JI-800**



JI

+/-45mm



JT

H1=610/890mm

H2=710/1090mm

H3=850/1350mm

+/-150mm



JH

H1=610/890mm

H2=710/1090mm

H3=850/1350mm

+/-150mm

TB50-070	TB50-100	TB50-150	TB50-200	TB50-250	TB50-300	TB50-400	TB50-500	TB50-600
JI-0800	JI-0800	JI-0800	JI-0800	JI-0800				
		JI-0900						
JT-H1	JT-H1	JT-H1	JT-H1	JT-H1				
JT-H2	JT-H2	JT-H2	JT-H2	JT-H2				
JT-H3	JT-H3	JT-H3	JT-H3	JT-H3				
			JT-825	JT-800				
			JH-H1	JH-H1	JH-H1	JH-H1	JH-H1	JH-H1
			JH-H2	JH-H2	JH-H2	JH-H2	JH-H2	JH-H2
			JH-H3	JH-H3	JH-H3	JH-H3	JH-H3	JH-H3
					JH-850	JH-900	JH-1100	JH-1200
Z								

Guide ☐ Fixe **3050** ☐ Fixe flush **3350** ☐ Adjustable **3700**

☐ Guide Type **1219** ☐ Guide Type **1498**
 Cale +10 mm Référence 1316 Cale +15 mm Référence 1303

Cale (qtt) ☐ Type **1316** (+10 mm) ☐ Type **1303** (+15 mm)

Electrical cabinet ☐ Electric variator
☐ Electrical cabinet with 3-phase direct start **3710** 230V Mono **2831-SP01**
 400V Tri **2831-SP01-380**

Additional information / Option / Type of operation / Accumulation?