

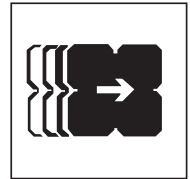
BRL SIS (Sales Information Service)

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Product Bulletin - Flexible Assembly Conveyors

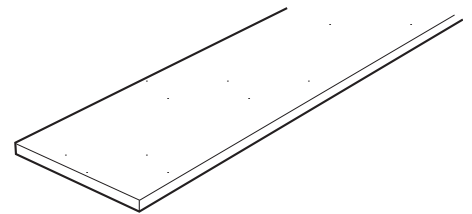
PB-M06-09 US

GT2/B - Transport Belt Updates

Below is a summary of updates made to the GT2/B belt page in the *TSplus* catalog.

- Belt thickness dimension has been corrected to reflect the actual thickness (1.7mm to 1.8mm)
- The belt calculation table has been updated to include specific calculation formulas for AS2B & AS2B-H drive modules.

Please replace page 3-8 in the *TSplus* catalog (version 4.0) with the following page.



技术咨询与报价

电话: 18823303057 QQ:2104028976

Belt Drive Components

Transport Belt

Model GT2/B

The anti-static belt transports the work-piece pallets. In normal operation, the belts run continuously, carrying the pallet on their surface. Due to the low coefficient of friction between the belt and the pallet frames, pallets can be stopped on the conveyor while the belts continue to run.

Belt is available in up to 250 meter rolls, or can be ordered pre-cut to the desired length in 1 millimeter (0.001 meter) increments. The maximum available uncut length is 250 meters.

When installing or replacing belts, they must be tensioned and welded to create a continuous loop in each conveyor section. Tensioning ensures proper positive contact with the drive pulleys. This requires the use of a belt welding kit, which can be ordered on page 3-9. The belt welding kit includes the necessary tools for tensioning, grinding, and welding the belt ends.

Material:

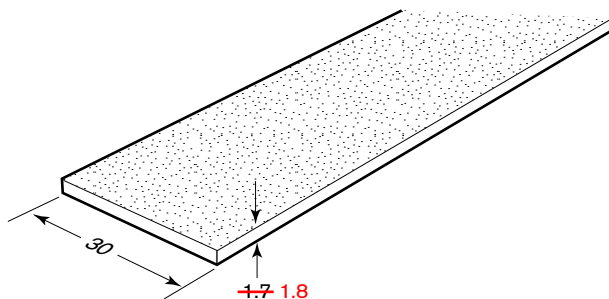
Polyamide 12 with an electrically conductive (antistatic) fabric covering.

Shipping Information:

This belt is shipped in rolls, pre-cut to specified lengths.

Application Note:

For large systems with multiple drives Rexroth recommends ordering in less than 100 m segments. This will avoid having to splice a short drop off piece onto the next roll.



Ordering Information for Antistatic Belt GT2/B

Conveying media	Part Number
Anti-static belt, specify length*	3842 992 811
Anti-static belt, 250 m roll	3842 539 479

* To order belt, in lengths up to 250 meters, please indicate the desired length in meters, in .001 meter increments. For example, to order 46.485 meters of belt, the part number would read as follows: **3842 992 811 Qty. = 46.485 meters**

How to calculate belt length

To calculate the length of belt needed, please refer to the formulas below. Two belts are required for a conveyor section.

Drive Type	2 x conveyor section length (in mm)	Belt needed for AS 2 and UM 2 (in mm)	Factor for pre-tensioning	Belt needed for overlap at weld (in mm)
AS2B/M, AS2B/S	Belt length for conveyor sections ≤ 4 meters in length (1 side)	$= [2 \times L_S + 1320 \text{ mm}]$	$\times 0.980]$	$+ 60 \text{ mm}$
AS2B/M, AS2B/S	Belt length for conveyor sections > 4 meters in length (1 side)	$= [2 \times L_S + 1320 \text{ mm}]$	$\times 0.975]$	$+ 60 \text{ mm}$
AS2B/M-H, AS2B/S-H	Belt length for conveyor sections > 1 meter in length (1 side)	$= [2 \times L_S + 1320 \text{ mm}]$	$\times 0.965]$	$+ 60 \text{ mm}$

Minimum Length $L_S = 1000$ mm between drive and return

