Keep sorting applications reliably on track

Habasit Self-Tracking Elastic Belts

Volumes of parcels handled by a distribution center today are often counted in thousands, or even tens of thousands per hour, at high speeds, with increasingly automated processes. Reliability of this operation, especially for sorting applications depends on many factors; ensuring proper belt tracking is among those key contributors to high efficiency and accuracy of the sorting process. Belt mistracking is still today a commonly encountered issue and, for many companies, a cause for increased maintenance effort and cost. One way of reducing the severity of tracking problems is installation of belt tensioning systems or guiding profiles. A simpler and **more efficient solution** is to use belts that were designed specifically to address the tracking issue altogether. The Habasit Self-Tracking belts range offers significant benefits in tracking reliability, even in the most demanding conditions.

Applications

- All applications with wide, short belts: The self-tracking belts are often used as undersquare belts where limited space is available for tracking guides and tensioning systems
- Ideal for sorters, sequencers, and high-speed induction systems

Simpler conveyor design

- Simpler, more compact and cost-efficient, whilst maintaining reliability
- No need for tracking guides, grooved slider beds or rollers, or take-up system
- Suitable with small pulley diameters, making them ideal for tighttransfers and handling of small items

Easier and less frequent maintenance

- Avoiding common issues, such as belt wear from tracking problems
- Easier to install and less time-consuming to perform routine maintenance tasks
- Excellent tracking and high-quality material extend belt lifetime, reducing the need for replacements
- Simplified conveyor design makes routine maintenance tasks faster and more efficient

Safer working environment

- Anti-static properties improve safety of operations, reducing the risk of electrostatic build-up or discharge that could affect the conveyor controls or scanning equipment
- Flame-retardant in accordance with ISO 340 standards.

Unique belt design

- Self-tracking properties achieved with a semi-elastic fabric layer, which offers elastic behavior in longitudinal direction and high stability in transversal movement
- Solves tracking issues that conventional fabric-based belts cannot overcome
- Provides improved sliding properties compared to monolithic belts

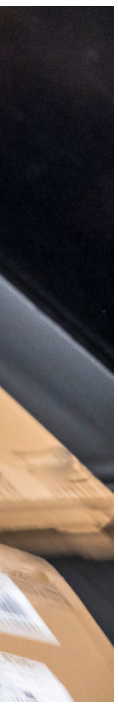
Belt structure

1. Flame retardant PVC in accordance with ISO 340
2. Elastic fabric
   - Elastic yarn warp (ε): Elasticity in longitudinal direction
   - Monofilament weft: High stability in transversal direction

Technical Data	NSL-02SSBV	NAW-02SSBV	NHB-02SSBV*
Applications	Steep inclined conveying possible acceleration/ deceleration of conveyed material	Induction belt, metering/singulation belt, sorting belt	Accumulation belt, metering/singulation belt, transfer belt, sorting belt
Conveying side material	PVC	PVC	PVC
Conveying side surface	Longitudinal groove	Inverted pyramid	Matt
Conveying side property	Super-adhesive	Adhesive	Non-adhesive
Conveying side color	Black	Black	Black
Number of fabrics	1	1	1
Thickness of belt	2.2 mm	2.2 mm	2.0 mm
Minimum pulley diameter (no counter flection))	20 mm	20 mm	30 mm

*upcoming product release

Recommendations for installation
Pretensioning required: 2-5%. Contact Habasit representative for additional information.



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