

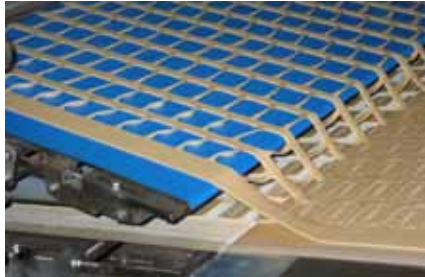


# Self-Tracking Belts

Skip Maintenance

# Self-Tracking Belts

General applicable in the food industry; especially for confectionery and bakery goods



Ammeraal Beltech member of European Hygienic Engineering & Design Group



Food Grade belts comply with EC 1935/2004, EU 10/2011 and FDA standards

**Ammeraal Beltech is a leading manufacturer of process and conveyor belting with an established reputation for developing innovative solutions for belting applications.**

Working closely with OEMs Ammeraal Beltech have developed a range of Self-Tracking Belts showing superior performance on fixed centre conveyors, two-way running conveyors and wide, short centre belts. Tracking of a belt in these situations is always very difficult.

Typical applications are situations that require correction of mistracking due to pushing, pulling, side loading or other processes performed on the belt, and applications where the conveyor design can cause mistracking, e.g. square belts, knife edges, two running directions, asymmetric loading.

In some cases, belts are taken off the conveyor to be cleaned. Self-Tracking Belts save time because these belts can be re-installed both ways and tracking re-adjustment is not required.

The Ammeraal Beltech Self-Tracking Belts reduce costs, offer conveying benefits and can improve the overall reliability.

The belts can be identified by the print of our Self-Tracking icon.



General Rules for Conveyor Design for Self-Tracking Belts	
Belt support upper part	Slider bed, flat; no support rollers; no troughed conveying
Drive pulley	Min. diameter 50 mm
Tensioning device	Tail pulley or tensioning pulley in the return part
Tension	2 to 4% of the belt length
Tracking facilities	Do not use tracking idlers; do not use guide strips; do not use roll covering
Crowning food industry	Only crown the drive drum with 2%
Crowning logistics, airports	Pulley crowning: standard 2%, max. 4 mm, min. 2 mm Head drive: crown drive drum and tail pulleys Omega drive: crown drive drum and both end pulleys

**Self-Tracking Belts must be installed on crowned pulleys. Increased flexing capacity; the level of tension is adaptable**

# Minimum maintenance Lower operating costs



<b>AMMERAAL BELTECH SELF-TRACKING BELT RANGE</b>	<ul style="list-style-type: none"> <li>» Reduced maintenance costs, less need for checks to re-tension belts</li> <li>» Compact conveyor design; no tracking rollers and only simple tensioning device required; lighter shafts and bearings</li> <li>» No need for tracking guides on the belt; decrease of purchase costs</li> <li>» (Re-)Installation of the belt can be achieved in a much quicker timescale; can be installed both ways without re-adjusting</li> <li>» Increased belt lifespan; tension remains over life time of belt</li> </ul>	<b>Economical use</b> <b>Improved production throughput</b>
	<ul style="list-style-type: none"> <li>» Compact drive; improved power transmission efficiency</li> <li>» The absence of a belt tensioning device and fixings reduce the weight of the installation</li> <li>» No tracking guides on the belt, which reduces the belt weight</li> <li>» Low friction bottomside; smooth, economical operation</li> <li>» Lower belt tension, less power consumption</li> </ul>	<b>Less energy consumption</b> <b>Reduced running costs</b>
	<ul style="list-style-type: none"> <li>» Shock absorbing property reduces shock load on bearings</li> <li>» Absorbs vibrations</li> <li>» Smooth tracking properties; extra lateral stability</li> <li>» Low noise level</li> </ul>	<b>Operational safety</b>
	<ul style="list-style-type: none"> <li>» Ammeraal Beltech belting have a proven track record worldwide</li> </ul>	<b>Proven technology</b>

*Important!* Self-Tracking Belts do not prevent mistracking, but correct the mistracking. Self-Tracking Belts should not be used to solve conveyor construction design failures.



<b>Technical Data Elastic Polyester Self-Tracking Belts</b>			
Belt type	<b>Flexam EE/1 0+05 black M2 FR</b>	<b>Flexam EE/1 0+A32 black FR</b>	<b>Nonex EE/1 00+05 light blue M2 FG AM</b>
Article code	585011	585022	585031
Belt thickness	1.6 mm	2.1 mm	1.6 mm
Belt weight	1.6 kg/m <sup>2</sup>	1.6 kg/m <sup>2</sup>	1.6 kg/m <sup>2</sup>
Hardness topside	80 Shore A	55 Shore A	65 Shore A
Surface finish	M2 Fine matt finish	A32 Fine rib profile	M2 Fine matt finish
Bottomside finish	low friction	low friction	impregnation AM
Flexing diameter	30 mm	30 mm	14 mm

AM = antimicrobial, FG = food grade, FR = flame retardant

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