EN

Ammeraal Beltech
Innovation & Service in Belting

# Self-Tracking Belts

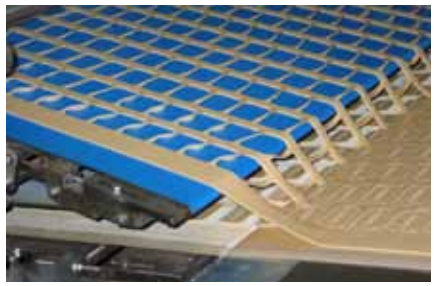
## Skip Maintenance

unichains

www.ammeraalbeltech.com

# 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.*

STB Self Tracking

| 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<br>Head drive: crown drive drum and tail pulleys<br>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

| | | |
|---|---|---|
| **AMMERAAL BELTECH SELF-TRACKING BELT RANGE** | » Reduced maintenance costs, less need for checks to re-tension belts<br>» Compact conveyor design; no tracking rollers and only simple tensioning device required; lighter shafts and bearings<br>» No need for tracking guides on the belt; decrease of purchase costs<br>» (Re-)Installation of the belt can be achieved in a much quicker timescale; can be installed both ways without re-adjusting<br>» Increased belt lifespan; tension remains over life time of belt | **Economical use**<br>**Improved production throughput** |
| | » Compact drive; improved power transmission efficiency<br>» The absence of a belt tensioning device and fixings reduce the weight of the installation<br>» No tracking guides on the belt, which reduces the belt weight<br>» Low friction bottomside; smooth, economical operation<br>» Lower belt tension, less power consumption | **Less energy consumption**<br>**Reduced running costs** |
| | » Shock absorbing property reduces shock load on bearings<br>» Absorbs vibrations<br>» Smooth tracking properties; extra lateral stability<br>» Low noise level | **Operational safety** |
| | » Ammeraal Beltech belting have a proven track record worldwide | **Proven technology** |

*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.

| **Technical Data Elastic Polyester Self-Tracking Belts** | | | |
|---|---|---|---|
| Belt type | **Flexam EE/1 0+05 black M2 FR** | **Flexam EE/1 0+A32 black FR** | **Nonex EE/1 00+05 light blue M2 FG AM** |
| Article code | 585011 | 585022 | 585031 |
| Belt thickness | 1.6 mm | 2.1 mm | 1.6 mm |
| Belt weight | 1.6 kg/m² | 1.6 kg/m² | 1.6 kg/m² |
| 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*

# Local Contacts

**Austria**
T +43 171728 133
sales@ammeraalbeltech.de
www.ammeraalbeltech.at

**Belgium**
T +32 2 466 0300
salesgb@ammeraalbeltech.be
www.ammeraalbeltech.be

**Canada**
T +1 905 890 1311
info@ammeraalbeltech.ca
www.ammeraalbeltech.ca

**Chile**
T +56 233 12900
ventas@ammeraalbeltech.cl
www.ammeraalbeltech.cl

**China**
T +86 512 8287 2709
info@ammeraalbeltech.com.cn
www.ammeraalbeltech.com.cn

**Czech Republic**
T +420 567 117 211
prodej@ammeraalbeltech.cz
www.ammeraalbeltech.cz

**Denmark**
T + 45 75 72 31 00
admin@unichains.com
www.unichains.com

**Finland**
T +358 207 911 400
info@ammeraalbeltech.fi
www.ammeraalbeltech.fi

**France**
T +33 3 20 90 36 00
client@ammeraalbeltech.fr
www.ammeraalbeltech.fr

**Germany**
T +49 4152 937-0
sales@ammeraalbeltech.de
www.ammeraalbeltech.de

**Hungary**
T +36 30 311 6099
info@ammeraalbeltech.hu
www.ammeraalbeltech.hu

**India**
T +91 44 265 34 244
info@ammeraalbeltech.net.in
www.ammeraalbeltech.com

**Italy**
T +39 051 660 60 06
info@ammeraalbeltech.it
www.ammeraalbeltech.it

**Luxembourg**
T +352 26 48 38 56
sales@ammeraal-beltech.lu
www.ammeraal-beltech.lu

**Malaysia**
T +60 3 806 188 49
sales.kl@ammeraalbeltech.my
www.ammeraalbeltech.com

**Netherlands**
T +31 72 57 51212
info@ammeraalbeltech.nl
www.ammeraalbeltech.nl

**Poland**
T +48 32 44 77 179
biuro@ammeraalbeltech.com
www.ammeraalbeltech.com

**Portugal**
T +351 22 947 94 40
geral@ammeraalbeltech.pt
www.ammeraalbeltech.pt

**Singapore**
T +65 62739767
sales@ammeraalbeltech.sg
www.ammeraalbeltech.com

**Slovakia**
T +421 2 55648541-2
predaj@ammeraalbeltech.sk
www.ammeraalbeltech.sk

**South Korea**
T +82 31 448 3613-7
amel@ammeraalbeltech.co.kr
www.ammeraalbeltech.co.kr

**Spain**
T +34 93 718 3054
ventas@ammeraalbeltech.es
www.ammeraalbeltech.es

**Sweden**
T +46 44 780 3010
info@ammeraalbeltech.se
www.ammeraalbeltech.se

**Switzerland**
T +41 55 2253 535
info@ammeraalbeltech.ch
www.ammeraal-beltech.ch

**Thailand**
T +66 2 902 2604-13
sales@ammeraalbeltech.th.com
www.ammeraalbeltech.com

**United Kingdom**
T +44 1992 500550
sales@ammeraalbeltech.co.uk
www.ammeraalbeltech.co.uk

**United States**
T +1 847 673 6720
info@ammeraalbeltechusa.com
www.ammeraal-beltechusa.com

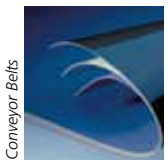
**Vietnam**
T +84 8 376 562 05
dmh@ammeraalbeltech.com.vn
www.ammeraalbeltech.com.vn

**International Head Office:**

**Ammeraal Beltech Holding B.V.**
Handelsstraat 1
P.O. Box 38
1700 AA Heerhugowaard
The Netherlands

T +31 72 5751212
F +31 72 5716455
info@ammeraalbeltech.com
www.ammeraalbeltech.com

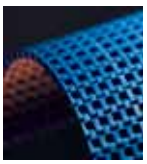
**Solid advice**
**For all your belting needs**
**Local stock & service**


*Conveyor Belts*

*Timing Belts*

*Seamless Belts*

*Transmission Belts*


*Modular Belts*

*Fabrication & service*

... and 150 service contacts more on www.ammeraalbeltech.com

Date: 04.2012