

Self-Tracking Belts



Self-Tracking Belts

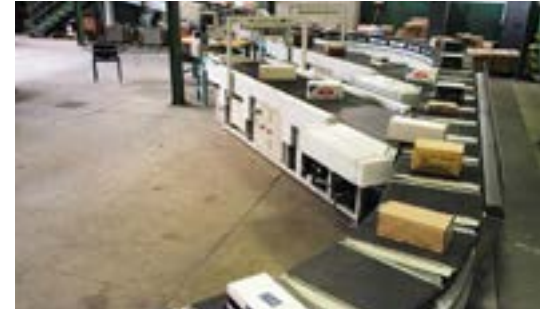
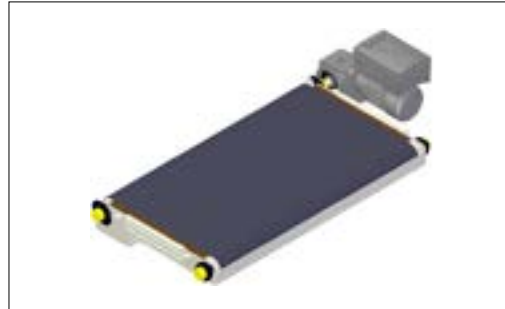


Ammeraal Beltech
member ropean
Hygienic Engineering
& Design Group



Food Grade belts comply
with EC 1935/2004
and FDA standards
supporting your
ISO 22000 requirements
(previously HACCP)

For general applications in the logistics industry, particularly sortation



In cooperation with leading OEM's Ammeraal Beltech has developed a range of Self-Tracking Belts (or STBs) with a proven record of superior performance. With this innovation Ammeraal Beltech makes your belting-life easier. STBs are specially designed for use in situations that are known to give problems with belt tracking, like there are;

- Square and over-square conveyors
- Bi-directional conveyors
- Conveyors with a belt-push configuration
- Conveyors with a fixed end to end length
- Applications with asymmetrical on- or offloading of products
- Applications with strong variations in belt temperature

The elastic fabric in STBs makes them suitable to run on pulleys with a strong crowning. Self-Tracking Belts will automatically correct for any effects of pushing, pulling, side loading or other actions that might otherwise result in mistracking issues. These improvements result in less belt damage to belt mistracking and an immediate reduction of maintenance costs.

Self-Tracking Belts with our Flexam PVC cover have proven to be great problem solvers in for example the logistic industry. The same goes for STB's with a Nonex oil and fat resistant PVC cover these belts are designed to be used in the food industry. The STB's range includes belts with profiled top covers for better product release and profiles to improve grip.

The belts are clearly identifiable, thanks to the Self-Tracking Belt logo they bear.



General Rules for Conveyor Design for Self-Tracking Belts

Belt support upper part	Flat slider bed, flat belt on rollers (BOR)
Belt pretension	Generally between 3% and 5%
Drive drum	Bare steel, do not used drum lagging
Tracking device	No tracking device, no tracking idler No guide ropes on the belt
	Apply pulley crowning between 2% and 4%, at least 1 mm
	Recommended wrap around crowned pulley(s) 180° degrees

Self-Tracking Belts must be installed on crowned pulleys.

Ask for the Technical Manual *Self-Tracking Belts* for a more comprehensive treatment of this topic.

Minimum maintenance Lower operating costs



Less
disruption



Reduced
costs

AMMERAAL BELTECH SELF-TRACKING BELT RANGE	<ul style="list-style-type: none"> • Reduced maintenance costs, no need for re-tensioning checks on belts • Compact design with no tracking rollers and only a simple tensioning device required; lighter shafts and bearings • No need for tracking guides on the belt • Groves in drums and slider bed are not required. • Belt can be installed or reinstalled more quickly; can be installed both ways without re-adjusting • Increased belt lifespan; tension remains over lifetime of belt 	<ul style="list-style-type: none"> • Economical use • Improved production throughput
	<ul style="list-style-type: none"> • Compact drive; improved power transmission efficiency • No belt-tensioning device reduces weight • No tracking guides on the belt reduces belt weight • Low friction bottom side; smooth, economical operation • Lower belt tension, less power consumption 	<ul style="list-style-type: none"> • Less energy consumption • Reduced running costs
	<ul style="list-style-type: none"> • Shock-absorbing property absorbs vibrations and reduces shock load on bearings • Self tracking properties • Low noise level 	<ul style="list-style-type: none"> • Greater operational safety
	<ul style="list-style-type: none"> • Ammeraal Beltech belting has an established track record of excellence worldwide 	<ul style="list-style-type: none"> • Proven technological advantage

Important! Self-Tracking Belts do not prevent mistracking, they correct it. Self-Tracking Belts should not be used to solve conveyor construction design flaws.



General Technical Data - Self-Tracking Belts

Article code	Belt description	Top profile	Hardness top cover Shore	Overall belt thickness [mm]	Minimum pulley flexing [mm]	Minimum pulley back-flexing [mm]
SBFL585011	Flexam EE /1 0+05 black M2 AS FR	M2 Matt finish	80A	1.6	40	50
SBFL585021	Flexam EE /1 0+A21 black AS FR	A21 Fine diamond	45A	1.95	40	50
SBFL585022	Flexam EE /1 0+A32 black AS FR	A32 Fine rib (small)	55A	2.1	40	50
SBFL585018	Flexam EE /1 0+A42 black AS FR	A42 Supergrip (wave)	35A	4.0	40	50
SBNO585061	Nonex EE/1 0+05 light blue M2 AS FG AM	M2 Matt finish	66A	1.6	40	50

FR = flame retardant, AS = anti static, FG= food grade, AM = anti microbial

Contacts locaux

... et 150 autres centres de service
sur ammeraalbeltech.com

Allemagne

T +49 4152 937-0
info-de@ammeraalbeltech.com

Argentine

T +54 11 4218 2906
info-ar@ammeraalbeltech.com

Australie

T +61 3 8780 6000
info-au@ammeraalbeltech.com

Autriche

T +43 171728 133
info-de@ammeraalbeltech.com

Belgique

T +32 2 466 03 00
info-be@ammeraalbeltech.com

Canada

T +1 905 890 1311
info-ca@ammeraalbeltech.com

Chili

T +56 2 233 12900
info-cl@ammeraalbeltech.com

China

T +86 512 8287 2709
info-cn@ammeraalbeltech.com

Colombie

T +57 1 893 9890
info-co@ammeraalbeltech.com

Corée du Sud

T +82 31 448 3613-7
info-kr@ammeraalbeltech.com

Danemark

T + 45 7572 3100
info-dk@ammeraalbeltech.com

Espagne

T +34 93 718 3054
info-es@ammeraalbeltech.com

États-Unis

T +1 847 673 6720
info-us@ammeraalbeltech.com

Finlande

T +358 207 911 400
info-fi@ammeraalbeltech.com

France

T +33 3 20 90 36 00
info-fr@ammeraalbeltech.com

Hongrie

T +36 30 311 6099
info-hu@ammeraalbeltech.com

Inde

T +91 44 265 34 244
info-in@ammeraalbeltech.com

Israël

T +972 4 6371485
info-il@ammeraalbeltech.com

Italie

T +39 051 660 60 06
info-it@ammeraalbeltech.com

Japon

T +81 52 433 7400
info-jp@ammeraalbeltech.com

Luxembourg

T +352 26 48 38 56
info-lu@ammeraalbeltech.com

Malaisie

T +60 3 806 188 49
info-my@ammeraalbeltech.com

Mexique

T +52 55 5341 8131
info-mx@ammeraalbeltech.com

Pays-Bas

T +31 72 57 51212
info-nl@ammeraalbeltech.com

Pérou

T +51 1 713 0069
info-pe@ammeraalbeltech.com

Pologne

T +48 32 44 77 179
info-pl@ammeraalbeltech.com

Portugal

T +351 22 947 94 40
info-pt@ammeraalbeltech.com

République Tchèque

T +420 567 117 211
info-cz@ammeraalbeltech.com

Singapour

T +65 62739767
info-sg@ammeraalbeltech.com

Slovaquie

T +421 255648542
info-sk@ammeraalbeltech.com

Suède

T +46 (0) 10 130 96 00
info-se@ammeraalbeltech.com

Suisse

T +41 55 2253 535
info-ch@ammeraalbeltech.com

Thaïlande

T +66 2 902 2604-13
info-th@ammeraalbeltech.com

Turquie

T +90 232 877 0700
info-tr@ammeraalbeltech.com

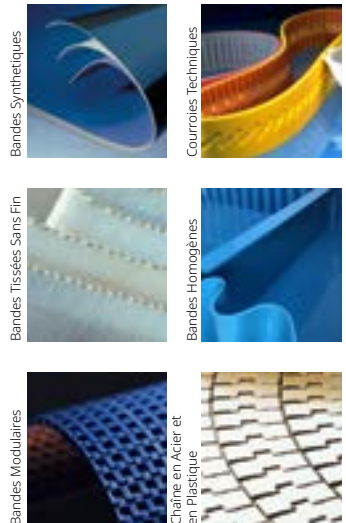
Royaume-Uni

T +44 1992 500550
info-uk@ammeraalbeltech.com

Vietnam

T +84 8 376 562 05
info-vn@ammeraalbeltech.com

Conseils pratiques pour tous vos besoins en bandes stock locaux



Bandes Synthétiques

Courroies Techniques

Bandes Tissées Sans Fin

Bandes Homogènes

Bandes Modulaires

Chaîne en Acier et en Plastique

Coordonnées Générales:

Ammeraal Beltech
P.O. Box 38
1700 AA Heerhugowaard
The Netherlands

T +31 (0)72 575 1212
info@ammeraalbeltech.com

ammera.com