

AU

# Homogeneous Soliflex Belts Ultimate Hygienic Solutions



# A Win-Win for the Food Industry: Ultimate hygiene and lower total cost of ownership

Ammeraal Beltech offers a wide range of homogeneous belts. With 75 years of experience in the Food Industry, Ammeraal Beltech knows OEM's and End Users are always looking for ways to increase food safety and productivity. That's why we developed the ultimate hygienic conveyor belt range: **Soliflex**

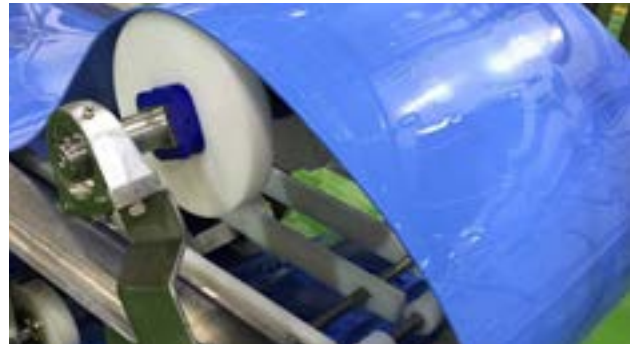
Soliflex is made from a single piece of homogeneous plastic so it cannot fray and contaminate food. It is also very easy to clean (requiring less water & time).

## The Soliflex range consists of:

- 5 Positive Drive belts and
- 1 Friction Drive belt.

Our Soliflex Positive Drive belts come in a variety of different teeth and sprocket styles to suit your application. This positive drive system reduces the energy required to run your conveyor. Our Soliflex PRO belt delivers **Ultimate Tracking** and our Soliflex Center Bar belt delivers good tracking; they are thus virtually maintenance free!

The Soliflex range of belts can be installed on existing conveyors and in combination with proper conveyor design allows for **Cleaning and sanitizing in place**.



Soliflex PRO complies with Ammeraal Beltech's **SAFE & CLEAN** concept:

## SAFE

- complying with international Food Grade standards (EC 1935/2004 and FDA)
- belt features that support your ISO 22000 requirements (previously HACCP)
- ultimate hygienic belt for food safety

## CLEAN

- easy and fast cleaning and sanitizing of belts
- using less water, detergent and time
- cleaning and sanitizing in motion possible
- cleaning and sanitizing in place possible

## Industries:

- » Meat & Poultry
- » Fish & Seafood
- » Vegetable processing
- » Bakery & Confectionary
- » Dairy






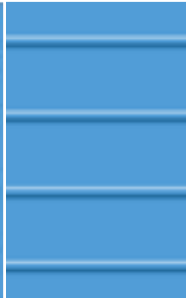


Ammeraal Beltech  
member roeapan  
Hygienic Engineering  
& Design Group



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

# Soliflex Belt Range

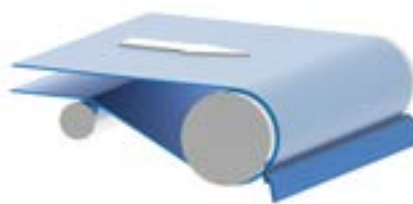
There are 6 Soliflex drive systems available. Soliflex PRO, Soliflex PRO mini, Soliflex Center Bar (CB), Soliflex Full Bar (FB), Soliflex Full Bar mini (FB mini) and Soliflex RS friction drive. The selection matrix assists to choose the most suitable belt for your application.

Product	Soliflex PRO	Soliflex PRO mini	Soliflex CB	Soliflex FB	Soliflex FB mini	Soliflex RS
						
Description	Hygienic tracking design	Hygienic tracking design	Hygienic design	Traditional design	Traditional design	Friction drive
Available materials	TPU + TPE	TPU	TPU	TPU	TPU	TPU
Shore Hardness	55 shore D	55 shore D	95 shore A	95 shore A	95 shore A	95 shore A
Available thickness	2, 3 and 4 mm	1.5 and 2 mm	3 mm	3.3 mm	2.79 mm	3 mm
Available belt width	1800	1800	1220	1500	1500	1500
Pitch of lugs/teeth	51.0 mm	25.5 mm	39.7 mm	50 mm	25.9 mm	na
Min. sprocket dia.	94.7 mm (TPU 2 mm)	47 mm	124 mm	95.5 mm	50.8 mm	50 mm
Cleanability	++++	++++	++++	+	+	++++
Transmissible torque	+++	+++	++	++	++	na
F/E values/Creep	+++	++	++++ (aramid)	++++ (aramid)	++++ (aramid)	++++ (aramid)
Trough conveyors	+++	+++	++	+	+	+
Tracking	++++	++++	+++	+	+	+
Surface smoothness	+++	+++	++	++	++	++++

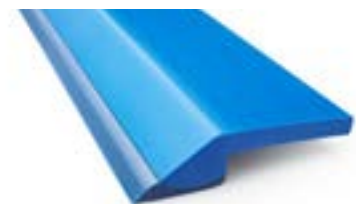
## UltraScraper

Metal detectable and antimicrobial scrapers for extended hygiene and efficient food processing.

Food items can stick even to belts with non-stick properties. Thus, scraping and cleaning efficiency and effectiveness are key Food Industry issues.



Scraper placement is possible on motordrum and sprocket driven systems.



The UltraScraper's Soft Lip enables deep cleaning.

# Self-tracking & customisation

The Soliflex PRO & PRO mini self-tracking system works in two ways:



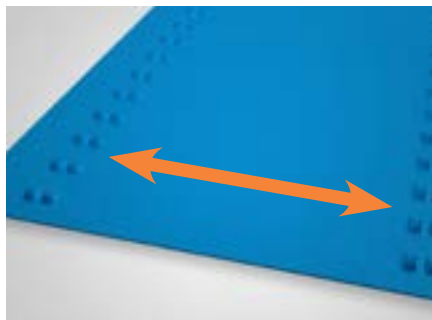
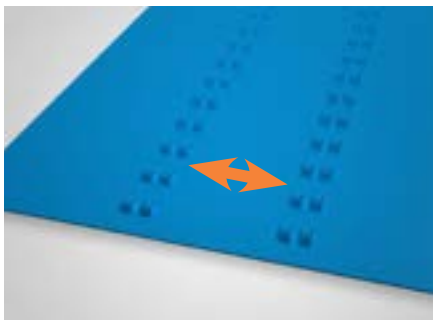
## 1) By unique sprocket design

The sprocket's centre piece column also supports tracking and positioning. The belt is fixed in position on the drive and return pulley.

## 2) By using the slider bed

Slider bed strips are positioned in such a way that they act as guides for the drive lugs. In this way the belt is self-tracking over the entire slider bed.

## Variable custom lug positioning on Soliflex PRO (mini) belts



The standard configuration consists of 2 pairs of lugs (Duplex) or 4 pairs of lugs (Quattro) with a pitch of 150 mm.

A variable pitch is also available on request.

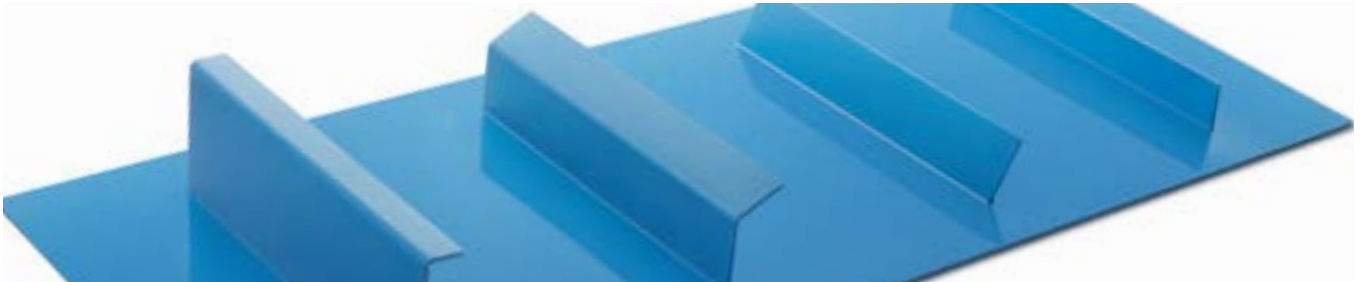


For special applications such as swan necks, the lugs can be positioned on the edges of the belt allowing full control in the critical bend of the conveyor.

# Fabrication capabilities

Each application and process require their own solution. For the Soliflex range of belts extensive fabrication possibilities are available to suit your needs.

## Cleats



Flat, Angled, Bent all available up to 150 mm high.  
Smooth finish or profiled using the R18 (positive pyramid) or A18 (inverted pyramid).  
Made from TPU and using HF welding technology.

## Sidewalls

Sidewalls are available for Soliflex TPU from 20-100 mm.

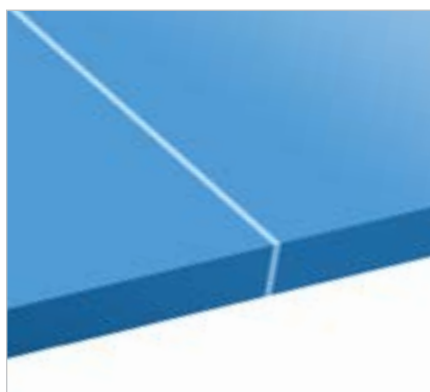
Can be combined with cleats to make pockets for product elevation on steep angle or vertical.



## Endlessing and Joining

For ultimate hygiene an endless spliced belt is recommended. The belt can be joined in our factory or on-site using a butt splice.

Alternately, the belt can be joined using less hygienic plastic or mechanical fasteners. These solutions allow an easy removal of the belt.



## Local Contacts

... and 150 more service contact points  
at [ammeraalbeltech.com/au](http://ammeraalbeltech.com/au)

### VICTORIA - Head Office & Administration

51 Bazalgette Crescent  
Dandenong South VIC 3175  
Ph (03) 8780 6000  
[salesvic@rydell.com.au](mailto:salesvic@rydell.com.au)

### QUEENSLAND - Modular Division

8 Machinery Street  
Darra QLD 4076  
Ph (07) 3564 4600  
[salesqld@rydell.com.au](mailto:salesqld@rydell.com.au)

### VIC - HASTINGS

Factory 16/24 Kanowna Street  
Hastings VIC 3915  
Ph (03) 5979 4447  
[salesvic@rydell.com.au](mailto:salesvic@rydell.com.au)

### NEW SOUTH WALES

22 Binney Road  
Kings Park NSW 2148  
Ph (02) 8664 9800  
[salesnsw@rydell.com.au](mailto:salesnsw@rydell.com.au)

### SOUTH AUSTRALIA

17-19 Churchill Road North  
Dry Creek SA 5094  
Ph (08) 8216 7000  
[salessa@rydell.com.au](mailto:salessa@rydell.com.au)

### NEW SOUTH WALES

New England/North West Region  
43 Macleay Way  
Invergowrie NSW 2350  
Ph 0418 513 998  
[salesnsw@rydell.com.au](mailto:salesnsw@rydell.com.au)

### QUEENSLAND

12 Machinery Street  
Darra QLD 4076  
Ph (07) 3564 4600  
[salesqld@rydell.com.au](mailto:salesqld@rydell.com.au)

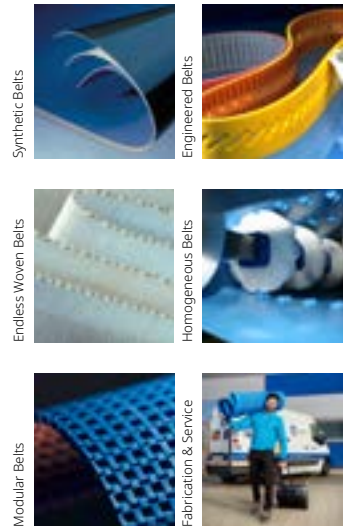
### WESTERN AUSTRALIA

29 Irvine Drive  
Malaga WA 6090  
Ph (08) 9249 3777  
[saleswa@rydell.com.au](mailto:saleswa@rydell.com.au)

### VIC - BAIRNSDALE

Factory 3/79 Macleod Street  
Bairnsdale VIC 3875  
Ph 0487 555 118  
[salesvic@rydell.com.au](mailto:salesvic@rydell.com.au)

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### General contact information:

#### Ammeraal Beltech

P.O. Box 38  
1700 AA Heerhugowaard  
The Netherlands

T +31 (0)72 575 1212  
[info@ammeraalbeltech.com](mailto:info@ammeraalbeltech.com)

**ammega.com**