



Introducing the Soliflex PRO mini



Soliflex PRO & Soliflex PRO mini NEW

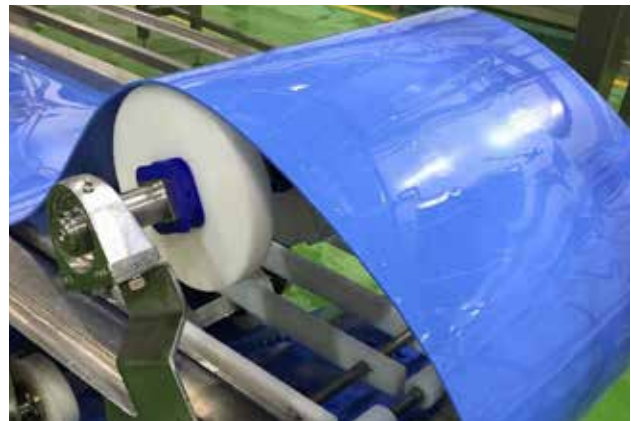
The Ultimate Hygienic Belt

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

With over 65 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 is why we developed the ultimate hygienic conveyor belt, the **Soliflex PRO**.

Soliflex PRO 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). Soliflex PRO is a positive drive belt, driven by a lug and sprocket system. This system reduces the energy required to run your conveyor and at the same time delivers ultimate tracking; thus virtually maintenance free.

Soliflex PRO can be installed on existing conveyors and, in combination with proper conveyor design, allows for Cleaning In Place (CIP).



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

SAFE

- complying with international Food Grade standards (EC 1935/2004, EU 10/2011 and FDA)
- belt features that support your HACCP
- ultimate hygienic belt for food safety

CLEAN

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

Industries:

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



Ammeraal Beltech
member European
Hygienic Engineering
& Design Group



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

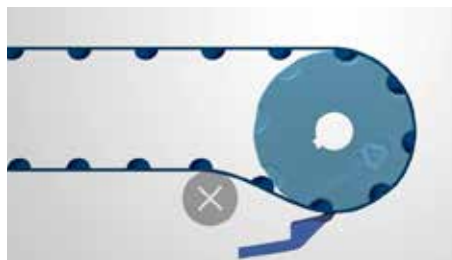
Benefit from the Soliflex PRO competitive advantages

Highest hygiene level	<ul style="list-style-type: none">» Unique compact round drive lugs allow for quick & efficient cleaning from all directions (CIP – Cleaning In Place)» Smooth & solid homogeneous belt surface:<ul style="list-style-type: none">– no crevices or hinges which can trap bacteria (resulting in longer product shelf life)– no fabric layer (no fraying means no product contamination)» Conforms to major international food standards» The belt's underside is scraper friendly, due to the wide spacing of the lugs» Blue belt and accessories for increased food safety
Optimized production throughput	<ul style="list-style-type: none">» Excellent product release properties; less waste» Belt and sprocket engagement delivers smooth operation (less product damage)» Easy on-site splicing means less downtime» Bi-directional belt
Reduced operational costs	<ul style="list-style-type: none">» Easier to clean in minimal time + less water» Positive drive; no slippage, higher belt loads, maintenance free» Self-tracking; no wear, no problems with off-tracking belts» Simple retrofitting to existing conveyors» Low tension system allows for smaller/lighter/less expensive conveyor parts (bearings, shafts etc.)
Proven technology	<ul style="list-style-type: none">» Soliflex PRO has a proven track record worldwide

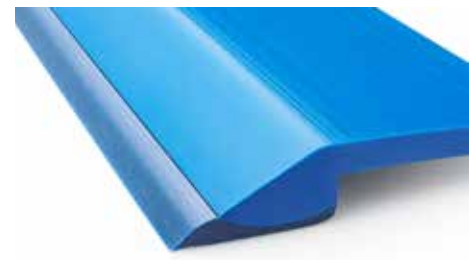
UltraScraper

Metal detectable and antimicrobial scraper 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 can be on (pre-scraping) or after the drum. Can be placed on the top cover or the backside of the belt.



The UltraScraper's Soft Lip enables deep cleaning, particularly on Soliflex PRO homogeneous belt series.

Unique
lug & sprocket
design

Self-tracking system

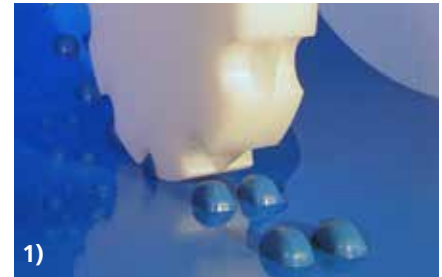
The innovative Soliflex PRO concept allows for self-tracking in two ways:

1) By unique sprocket design

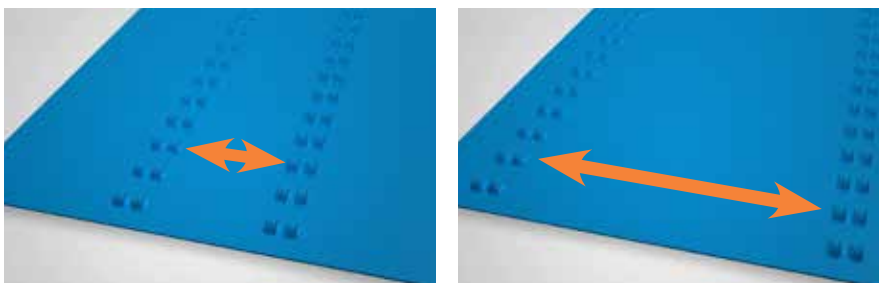
The special center piece column on the sprocket fits between the drive lugs. The belt is thus fixed in position by the drive and return pulley.

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



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

Soliflex PRO

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Soliflex PRO mini

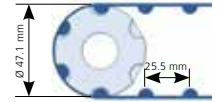
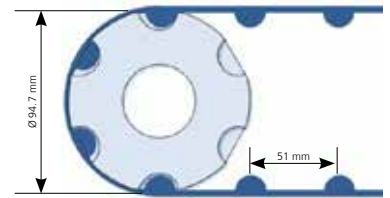
- Unique and ultra-hygienic belt design
- Easy to clean & reduce water waste
- Maintenance free tracking
- Customizable lug positioning & accessories



For special application such as swannecks the lugs can be positioned on the edges of the belt allowing full control in the critical bend of the conveyor.

2 sizes: PRO & PRO mini

Soliflex PRO runs over a sprocket of $\varnothing 94.7$ mm, while the Soliflex PRO mini runs over a sprocket of $\varnothing 47.1$ mm, meaning that the smaller pulley diameter enables small transition suitable to convey smaller products.

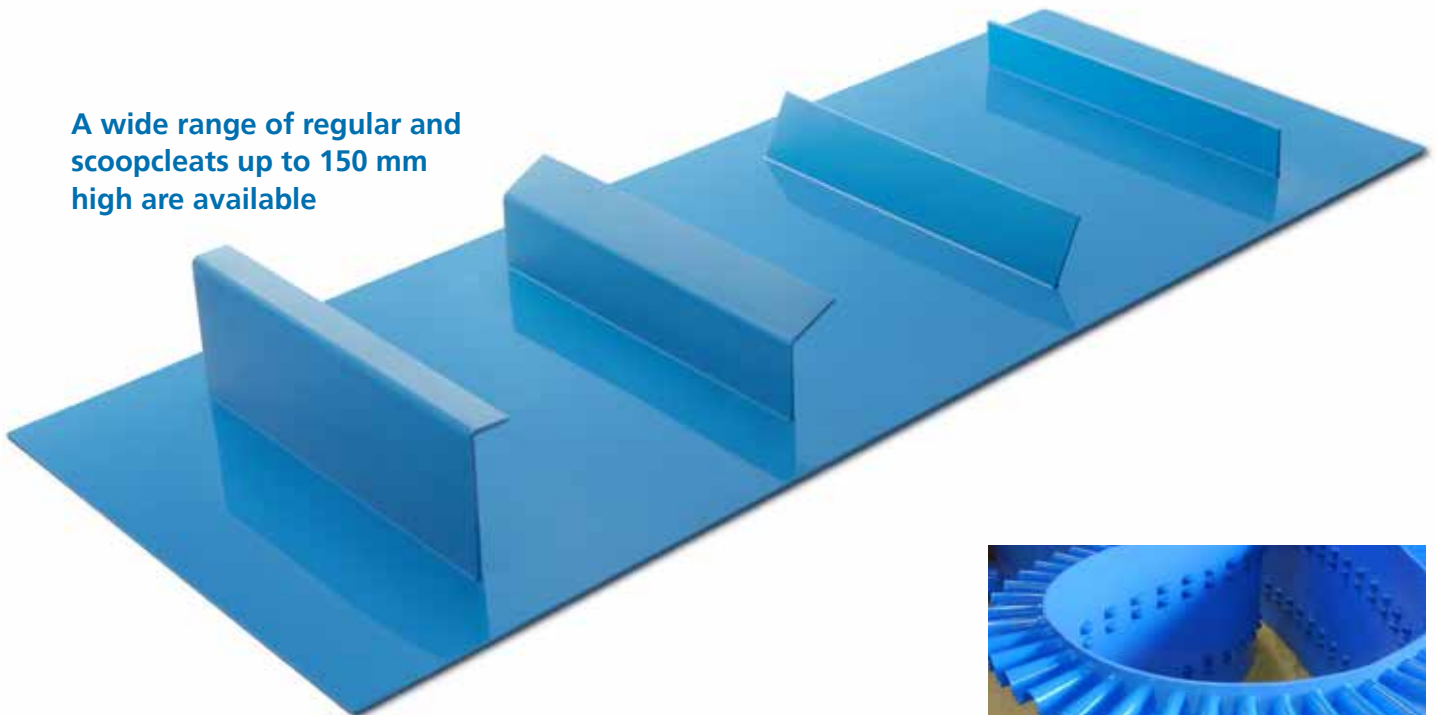


General Technical Data



Belt type	Soliflex PRO	Soliflex PRO mini
Material thermoplastic	TPU or TPE	TPU
Colour	light blue	light blue
Finishing	smooth or R18/F1 diamond profile	smooth
Pitch drive lugs	51.0 mm	25.5 mm
Belt thickness	2, 3 and 4 mm	1.5 and 2 mm
Min. sprocket dia.	94.7 mm (TPU 2 mm); 127.3 mm (TPE 2 mm)	47.1 mm (TPU 1.5 mm); 63.2 mm (TPU 2 mm)
Temperature range belt	-5 to +70°C (TPU); -20 to +80°C (TPE)	-5 to +70°C (TPU)
Temperature range product	-20 to +70°C (TPU); -30 to +80°C (TPE)	-20 to +70°C (TPU)
Food standards	EC1935/2004, EU 10/2011, FDA	EC1935/2004, EU 10/2011, FDA

A wide range of regular and scoopcleats up to 150 mm high are available



Sidewalls are available for Soliflex PRO (TPU)



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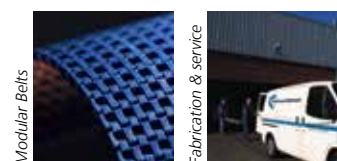
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