

## uni Spiral Belting

- Experience
- Food Grade Products
- Global Technical Support



“The Ammeraal Beltech reputation guarantees complete customer satisfaction. We can present many references, as seeing is believing!”

## Our Spiral Belt History

### The experience

Ammeraal Beltech has a successful history as a leading spiral belt supplier for more than 15 years. During this time we have built up valuable knowledge of spiral applications, spiral systems, spiral belts and processes involved.

“We are proud to say that we have successfully installed more than 300 spiral belts. We have never had to withdraw our belt from an application of which we said we could do”.

### The right products

For coolers, freezers, proofers or just incline or declined transport combined with a low-tension spiral system or a helix system, we have the right belts available in 1, 1.5 and 2 inch pitch and can ensure the right belt for the application.

### The global technical support

Our innovative spiral belts are available worldwide. With operating companies in 26 countries and distributors located in 150 countries, we can offer the local service you are looking for supported by our spiral team specialists.

Ammeraal Beltech offers belting products to more than 150 countries. It is a global company with total geographic coverage: 7 production plants, 26 operating companies, and over 80 service centres and distributors.

There are six product groups: process & conveyor belts, high-performance Flat Belts, Modular Belts, Endless Woven Belts, Timing Belts and engineered belts. Local added value is generated by fabrication of all belting products.

- Innovative and flexible products with worldwide availability
- Production sites and R&D departments in 6 countries
- Operating companies in 26 countries
- Over 2,100 employees around the world
- Distributors and service centers in more than 150 countries
- Service round the clock and just round the corner

## uni Spiral Belting

Ammeraal Beltech sets new standards with uni spiral belting and its belting technology. The unique patent belt design provides extremely strong belts and maintains the highest hygiene standards. Today we are one of the world leaders of plastic belts on spirals.

Ammeraal Beltech Modular spiral belts operate for many years and often exceed the life of steel belts. However, the main reason for using plastic is the cost of

ownership. Low tension caused by lower friction and weight of the belt results in a long lifetime and the all-plastic belt will reduce product contamination and installation cleaning time.

“The Ammeraal Beltech reputation guarantees complete customer satisfaction. We can present many references, as seeing is believing!”

We would be more than pleased to provide you with references to show that Ammeraal Beltech

Modular spiral belts have been running trouble-free for many years in numerous applications.

The Ammeraal Beltech spiral team takes responsibility to help you achieve maximum performance from our products. We will be there to ensure that the belt runs exactly as intended and calculated.



# uni Spiral Belting Advantages

## Food safety

A 100% plastic belt eliminates product contamination caused by metal belts running over PE support rails resulting in black wear debris. Using flexible nylon pins in place of stiff steel pins increases the impact and pull of the belt.

## Less tension

Using an all-plastic uni spiral belt will reduce belt tension and consequently energy consumption when compared with a steel belt. Additionally, plastic has a lower friction, and together with lower tension, it will result in less wear of support strips and cage bars which means a longer life and less maintenance.

## High allowable radius pull

We supply the strongest 1, 1.5 and 2 inch pitch plastic modular belt available on the market offering more safety and the option to use a 1 inch pitch instead of a 2 inch resulting in smaller transfers.

## Different surface options

The unique radius top surface of the uni SNB series results in less product contact where the uni Flex ASB series have a flat surface resulting in less "marking" of a vulnerable product. The uni Flex ASB curved surface offers you a 10% contact area and in combination with a 9 tooth sprocket, a perfect circle which can be scraped when needed.

## Food Grade and hygiene

Plastic modular belt is easy to clean due to the improved hygienic design of the belt links. Belt designs, colours and materials support your HACCP program.



## Main Characteristics

- Food Safety, no product contamination, 100% plastic belt
- High loads possible, rated up to:  
2040 N for the 1 inch uni Flex ASB  
3800 N for the 1.5 inch uni Flex ONE  
3110 N for the 2 inch uni Flex L-ASB
- Easy to clean
- Low maintenance
- Nonstick surface (uni Flex SNB series)
- Curved surface (uni Flex ASB-CS) resulting in less contact area ~ 10% and consequently better cooling



Ammeraal Beltech company member  
European Hygienic Engineering &  
Design Group



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

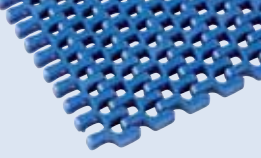
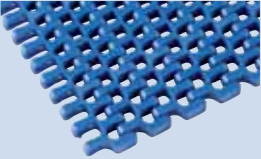
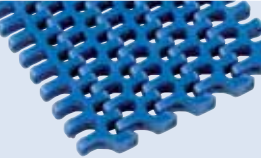
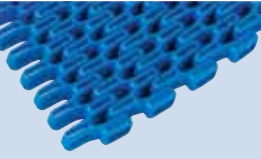
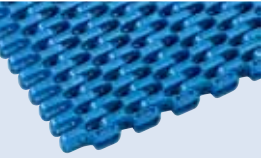
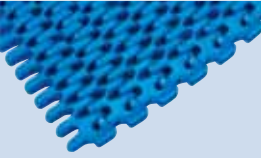

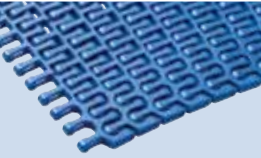



## Helix belts

Our uni Flex ONE series (pinless design) has proven successfully in Helix spirals where space is a premium. This unique belt offers a tight radius, a safety top surface, edge wear-parts or roller bearings for higher speed and load.



## Ammeraal Beltech Spiral Belts Include...

	Belt Type	Pitch	Open Area	Collapsing Factor	Special Features
	uni Flex ASB	1	43%	2.2	Strongest available 1 inch belt, easy to clean, high beam strength resulting in fewer support strips.
	uni Flex ASB-CS	1	43%	2.2	uni Flex ASB with curved surface resulting in 10% contact area – very successful in crossiants proofing applications.
	uni Flex ASB-R	1	43%	1.6	uni Flex ASB can be used in a system radius of min. 1.6xBW.
	uni Flex SNB L	1	55%	2.3	Spiral belt with an unique patented radius top surface, offering excellent release and less "sweating".
	uni Flex SNB C	1	47%	2.3	Unique belt offering the opportunity to add wearparts on the inside contact area with the drum.
	uni Flex SNB W	1	55%	2.3	Steel reinforced, excellent belt for higher temperatures (up to 100°C) in combination with a high pull.
	uni Flex ONE	1.5	12%	1.6	Pinless design, easy to clean, strong belt when running at 1.6. Resulting in fewer support strips
	uni Flex L-ASB	2	47%	2.2	Very strong 2 inch spiral belt, easy to clean. High beam strength resulting in fewer support strips.
	uni Flex L-ASB-R	2	47%	1.6	Very strong 2 inch spiral belt, can be used in a system radius of min. 1.6xBW. Easy to clean, high beam strength resulting in fewer support strips.

## Complete Range

### Many options and accessories

#### Accessories

- Flights; to keep (e.g. baking) trays in line on the spiral belt
- Side guards; to assure that products stay on the belt
- Lane dividers; to keep various product flows in line and separated from each other
  - Closed or open; allowing horizontal airflow
- High friction inserts: to keep the product in position
- Radius options; based on the required collapsing factor, we have different options to prevent product movement
- Wearparts; increase friction with the cage-drum/bars resulting in a lower radius belt pull

## Global and Technical Support

#### Enquiry form

Our spiral belt enquiry sheet enables you to provide us with information about size, configuration and operation of your spiral conveyor. Based on this criteria, we are able to eliminate guesswork and provide you with an accurate response including a calculation. Your Ammeraal Beltech sales representative can provide you with a copy or you download it from our website; [www.unichains.com](http://www.unichains.com).

#### On-site support

Our spiral team will support you during installation of the belt, both new OEM sales and retrofitting, to thoroughly review all aspects of the belt operation from design to start-up in order to ensure that the belt runs exactly as intended. With the on-site support of our spiral team, nothing is left to a chance including a tension measurement over the total belt length.

#### Turn-key retrofits

Ammeraal Beltech knows the value and importance of quick and precise retrofits. Our spiral team will come to you to thoroughly review all aspects of the retrofitting and provide a written report.

Ammeraal Beltech is singly responsible from start to finish of the retrofit or we advise you a well-known partner in case of major changes in the conveyor.

#### Warranties

Belt performance warranty is part of our sales conditions and depending on the application. Please consult our spiral team.

# 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

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



Conveyor Belts



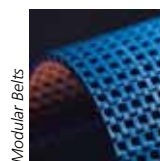
Timing Belts



Seamless Belts



Transmission Belts



Modular Belts



Fabrication & service

... and 150 service contacts more on [www.ammeraalbeltech.com](http://www.ammeraalbeltech.com)