Ammeraal Beltech

Conveyor Belts for Bucket Elevators

Ammeraal Beltech is a leading manufacturer of process and conveyor belting with an established reputation for developing innovative solutions for belting applications.

Our experience and extended application knowledge enabled Ammeraal Beltech to develop three ranges of plied synthetic PVC covered belts for bucket elevators.

Materials in the granular form are often vertically transported to a higher positioned hopper, a silo, or another floor. Using buckets on the conveyor belt requires high strength. Proper belt selection and belt installation with buckets are critical steps in achieving an efficient installation without common problems such as jams, bucket failures, and broken belts.

Main features

- Very low elongation; belts with 2 or 3 fabrics
- Compliance with EC and FDA
- No tearing by buckets; high loading capacity
- Resistant to oils and harsh operation conditions such as high temperature, humidity, and shock loads
- Fabrics coated on both sides – reduced product contamination compared to conventional fabric belts
- No electrostatic build-up – antistatic acc. to ISO 21178
- Flame Retardant ISO-340
- ATEX-2 compliance for use in potentially explosive areas

Benefits

- Food & People Safety Concept
- Longer belt life
- Reduced maintenance costs
- Low energy consumption

Typical application

- Sugar, flour, salt, and soya
- Grains, seeds, and general granular food

Innovation and Service in Belting

Innovation & Service in Belting

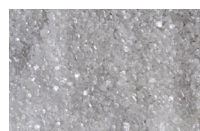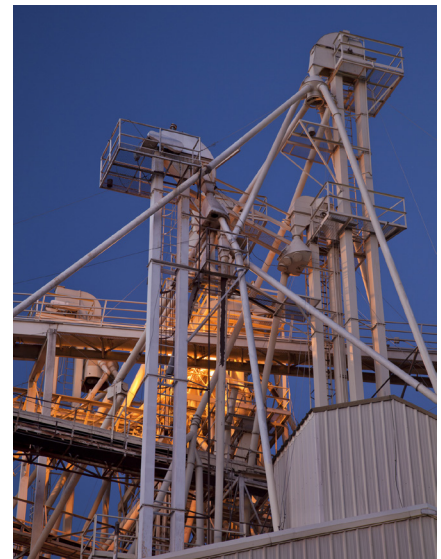## Ammeraal Belt Range for Bucket Elevators and Silos Loading

Article No.	Nomenclature	No. of piles	Thickness [mm]	Weight [kg/m2]	Force at 1% elongation [N/mm]	Breaking load [N/mm]	Flexing/back flexing diam. [mm]	Oil & fats resistamce
579259	Arcon EF 16/2 10 + 20 white M1 AS FR FG	2	5.0	6.5	20	300	140/190	◑
576279	Arcon EF 24/3 10 + 20 white M1 AS FR FG	3	6.0	7.6	30	500	200/250	◑
510453	Nonex EF 45/3 12 + 13 white M2 AS FG	3	7.2	8.6	45	900	350/500	●
576299	Arcon EF 50/3 15 + 30 white M1 AS FR FG	3	9.5	12	75	1000	400/500	◑

Belts are in compliance with ATEX directives

M1 = fine matt finish, M2 = matt finish, AS = anti-static, FR = flame-retardant, FG = food grade
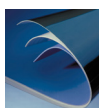
A high workload requires strength. In the conventional multilayer cotton elevator belts, it is provided by fabric layers containing rubber in between. It looks the same with plied rubber covered belts. Alternatively, solid woven belts with PVC can be used. Increased requirements, such as lower energy consumption, demand new belt constructions. Our range of PVC belts for bucket elevators meets these requirements.

The Ammeraal Beltech PVC cover guarantees a proper protection of the fabric layers against ambient conditions and negative impacts of the product conveyed. The cover is resistant to many chemicals, abrasion and hits. Our PVC has proven to be highly reliable. The high-quality synthetic material combined with strong polyester fabrics ensure elasticity and low belt weight.
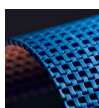
One-Stop Belt Shop

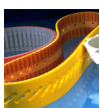| *Knowing your process*	Industry and product knowledge are the foundation of an innovative and service-oriented organization
All your belting needs	Ammeraal Beltech developed a wide range of belting solutions and accessories to improve hygiene levels and protect against bacteria and foodborne diseases
Just-in-time delivery	Worldwide distribution and large service network; skilled personnel are on call to repair and install belts using professional equipment, suitable for food plant

Synthetic Belts · Endless Woven Belts · Modular Belts · Engineered Belts · Homogeneous Belts · Fabrication & Service

Expert advice and quality solutions for all your belting needs.
ammeraalbeltech.com

ammega.com

Date: 05.2022