

# THERMOPLASTIC CHEVRON BELTS

- THERMOPLASTIC, SO LIGHTWEIGHT (20% - 30% LIGHTER THAN RUBBER)
- LIGHTER MACHINE DESIGNS POSSIBLE
- EASY INSTALLATION
- FOR TRANSPORT OF BULK GOODS UNDER LARGE ANGLE OF ELEVATION
- VARIETY OF COLOURS
- FOR FOODSTUFFS CONTACT (FDA, EU)
- STRONG, FLEXIBLE CHEVRONS
- EXCELLENT GRIP

Being specialists in the development and assembly of thermoplastic conveyor belts, at Bandtransport Europe (BTE) we are continuously involved in innovations which save you time, energy and material. Our thermoplastic chevron belt is one of those innovations. Its reduced weight leads to lower costs for the end user and a lower cost price for machine builders.

## LIGHT WEIGHT FOR COST SAVING

In general, chevron belts are made of rubber. This makes them hard to install, both during machine manufacturing and when repairing or replacing the belt. BTE's thermoplastic chevron belt is 20% to 30% lighter than a rubber conveyor belt, which makes it easier to install and enables an unprecedented reach. The lighter weight enables machine builders to reduce the weight of their machines (smaller drum diameters, lighter frames and machines).

For the end user the light weight of these belts offers considerable time savings in repair and maintenance. Due to its excellent release properties the belt is easier to clean.



## VARIETY OF COLOURS, FOODGRADE

We have developed two special chevron belts, in black and blue. The blue version is suitable for transportation of unpacked foodstuffs: it meets the FDA and EU requirements and has a high oil and grease resistance.

The black chevron belt is used frequently for inclined transport of potatoes in box fillers. It goes without saying that it can also be deployed in other applications.

If so desired we can also apply chevrons to other BTE belt types. The chevrons are available in white, blue, black and green.

These thermoplastic chevron belts are light in weight, enabling a larger reach and lighter machine designs.



## LARGE ANGLE OF ELEVATION, SPECIAL CHEVRONS

Our chevron belts are fitted with specially developed chevrons. They enable optimal inclined transport of goods.

- Strong, flexible chevrons.
- Lasting flexibility of both chevrons and belt, also in low or highly fluctuating temperatures.
- First class chemical resistance (e.g. against crop protection products).
- Special, bent shape of the chevrons for optimal elevation capacity.

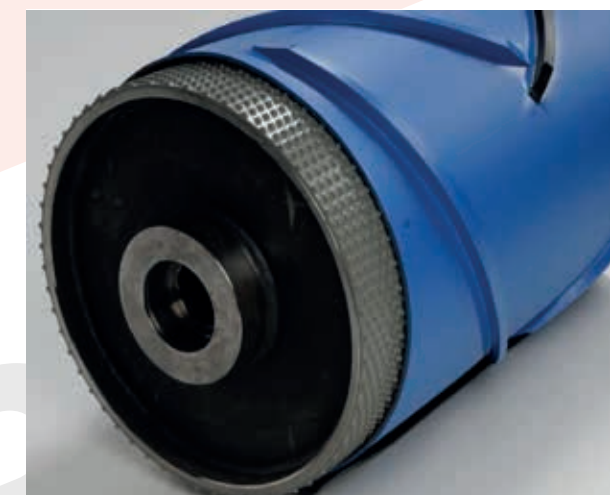


## SUPERIOR GRIP

We have developed lagging material for drums and drum motors, which is especially suited for this thermoplastic chevron belt.

This material has undergone extensive practical tests and provides superior grip, also under heavy loading of the belt.

We can supply you with the drum lagging material or lag your drums and drum motors for you.



**THESE THERMOPLASTIC CHEVRON BELTS ARE LIGHT IN WEIGHT,  
ENABLING A LARGER REACH AND LIGHTER MACHINE DESIGNS.**

## Technical specifications of our chevron belts

Belt width	Maximal 1.000 mm
Belt length	Maximal 45.000 mm
Edge, free zone	35 mm
Chevron	15 mm hoch, 15 mm breit
Center-to-center distance of chevrons	400 mm
Minimum drum diameter	120 mm
Roller support	Yes
Troughed support	Yes
Belt thickness	5,5 mm (excl. chevrons)
Weight per m <sup>2</sup>	6,95 kg (excl. chevrons)
Oil and grease resistance	Blue: excellent / black: limited
Force for 1% stretch	20 N/m

## WHY THERMOPLASTICS?

Due to their composition and construction thermoplastic conveyor belts are lighter in weight, more flexible, cleaner and easier to install than rubber belts. This offers unprecedented possibilities and as a result, the black belts we developed have become an instant success among users, machine manufacturers and service companies.

The addition of foodgrade belts further increases the options and makes these belts very suitable for conveying such products as unpacked potatoes, fruit and vegetables during their processing.