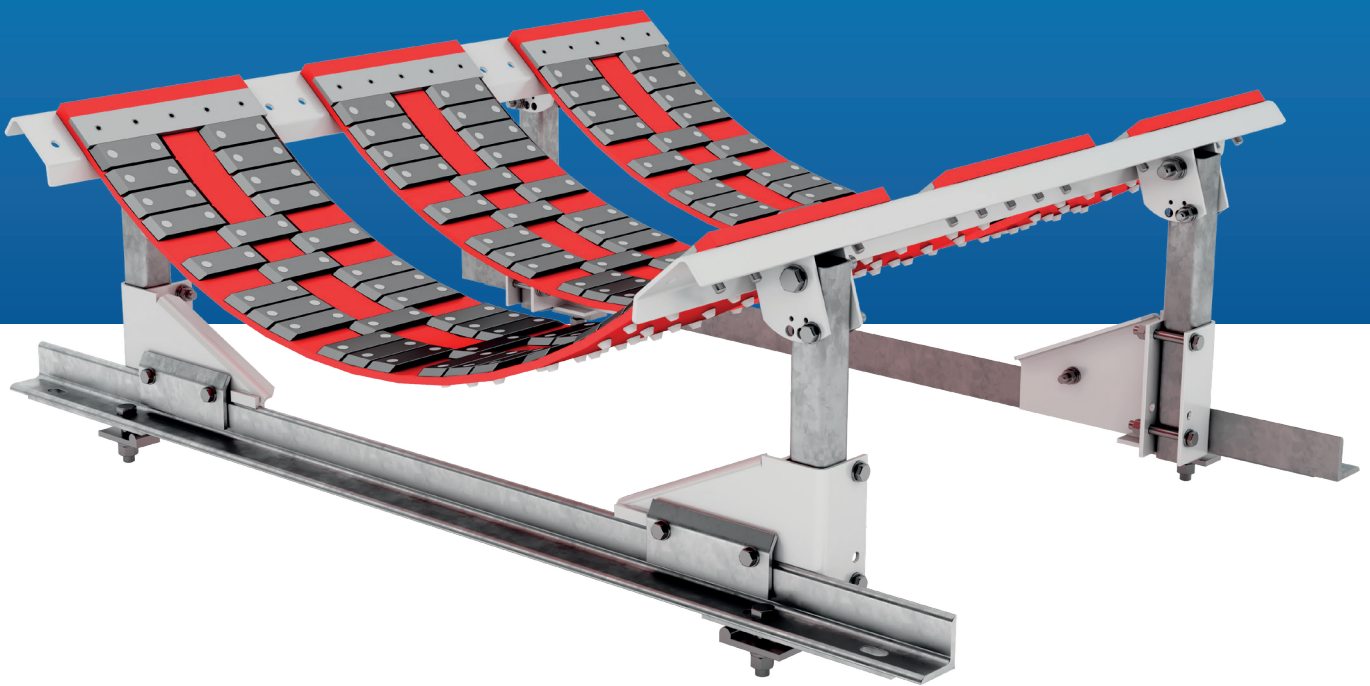


BLU-TEC

POWERED BY **Promati**

FLEXAL

Superior impact absorption
for heavy loads



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Flexal

Increased belt lifespan, lower maintenance costs

The patented FLEXAL® system (patent #52 2735759) is made of cross-belt tensile straps that absorb the impact and weight of heavy conveyed products.

The number of straps can be customised to the application. They are supported by a robust metal framework, which is adjustable in all **three dimensions** to fit any trough angle from 20° to 70°.

Each strap is fitted with sliding pads made of very high molecular weight HDPE. These pads are easily replaceable, and their quantity can be customised for **each unique** application.

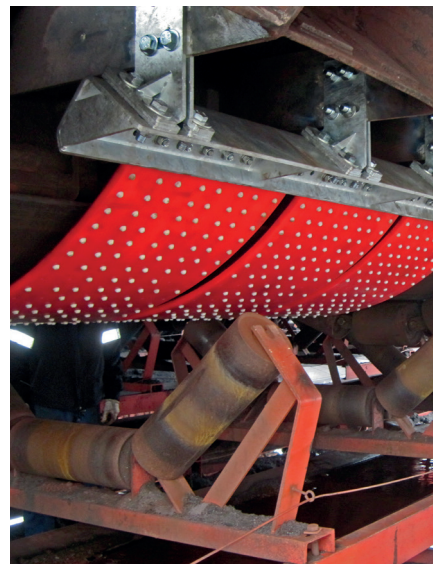
The pads allow for maximal elongation of the system, ensuring the belt remains in contact with a large number of pads, distributing tension and friction across the entire system. This keeps overall pressure low, resulting in:

- minimal wear and long pad lifespan
- negligible motor power loss.



FLEXAL®: A unique and efficient system for managing belt impact, increasing belt lifespan, and reducing operating costs.

Type	Weight	Permitted belt widths (mm)
FLEXAL® 650		500 to 600
FLEXAL® 800		800
Adjustable trough 650 / 800	3 straps maxi	650 to 800
FLEXAL® 1000		1000
FLEXAL® 1200		1200
Adjustable trough 1000 / 1200	4 straps 1000 maxi 3 straps 1200 maxi	1000 to 1200
FLEXAL® 1400		1400
FLEXAL® 1600		1600
FLEXAL® 1800		1800
Heavy adjustable trough 1400 / 2000 For straps 1000 mm to 1200 mm	6 straps 1000 maxi 5 straps 1200 maxi	1400 to 2000



Applications and special features

- Quarries
- Cement works
- Steel industry
- Recycling industry
- Waste management
- Paper industry
- Corrosive applications such as salt and fertilizers

The superior elasticity of the FLEXAL® system is specifically designed to counter heavy and continuous impacts on the belt.

Factors such as:

- The size and weight of the product
- The drop height combined with the product weight
- The belt speed
- The abrasiveness of the product

