

# FLEXAL<sup>®</sup>

**Superior impact absorption  
for heavy loads**

## INCREASED BELT LIFESPAN, LOWER MAINTENANCE COSTS

The patented FLEXAL® system (patent #52 2735759 ) is made of cross-belt tensile straps which 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. The framework is adjustable in all three dimensions so the system can be adjusted to every trough angle, from 20° to 70°.

Each strap is fitted with sliding pads made of very high molecular weight HDPE. They are easily replaced and the quantity of pads can be customised to each unique application.

The pads allow for maximal elongation of the system. The belt is in contact with a large number of these pads, distributing tension and friction across the entire system.

This keeps the overall pressure in the system low, which in turn means:

- minimal wear and therefore 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		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

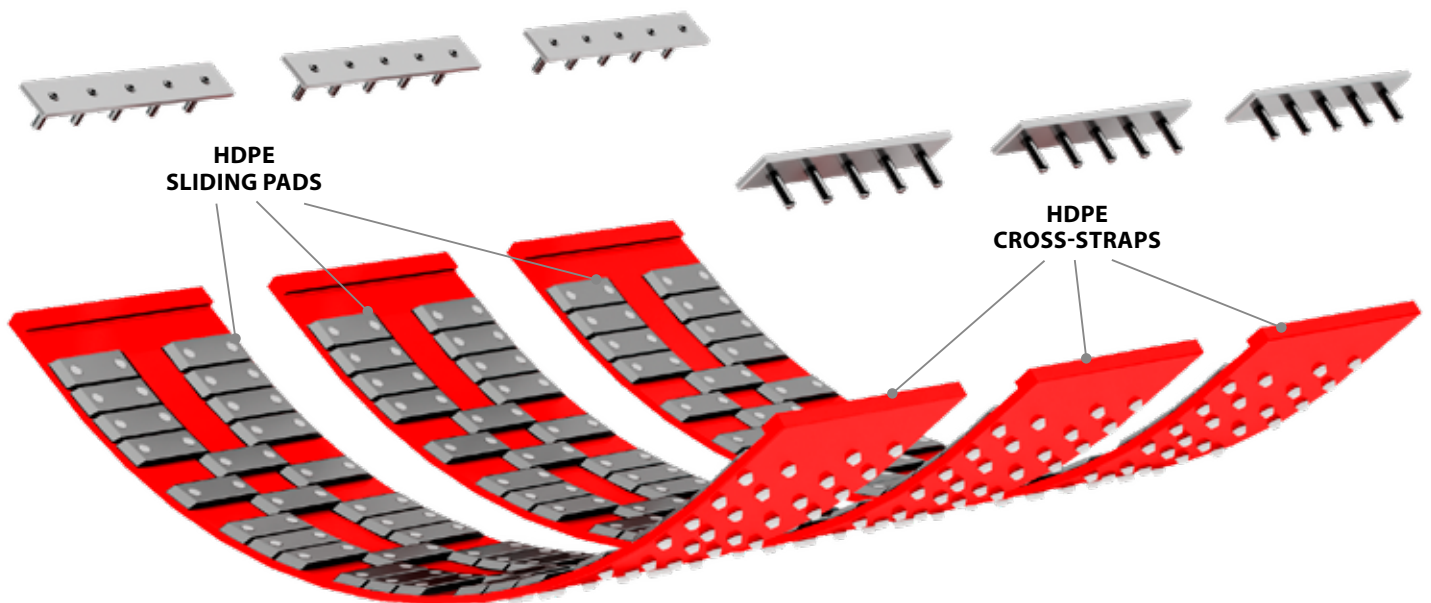


## APPLICATIONS AND SPECIAL FEATURES

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

The superior elasticity of the FLEXAL<sup>®</sup> 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

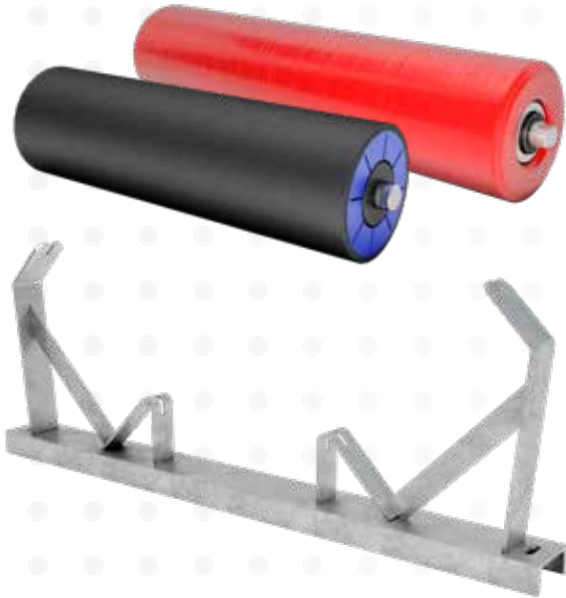


**FLEXAL<sup>®</sup>: THE BEST WAY TO MANAGE HEAVY IMPACTS  
ON YOUR CONVEYOR SYSTEM**



## Other products in our range

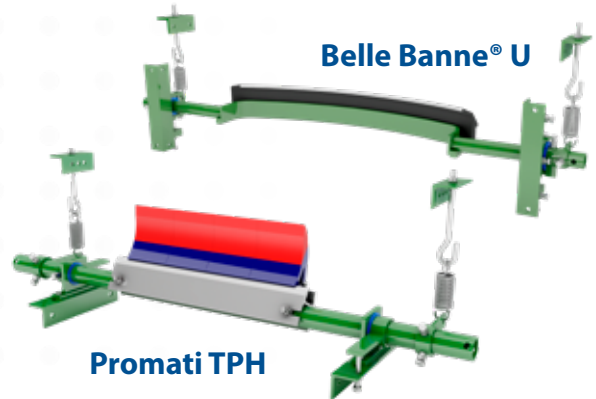
### CONVEYOR ROLLERS AND IDLERS



### BELT CLEANERS



**Belle Banne® H**



**Belle Banne® U**

**Promati TPH**

### SEALING SYSTEMS, IMPACT ZONE, DUST- AND SPILLAGE-FREE LOADING



**Duo-Seal**



**FLEXAL®**



**BLU-TEC® Proload**



**BLU-TEC® Impact Bars**

### DRUMS



Head office: Chaussée de Wavre, 362 box 2 - 1390 Grez-Doiceau - Belgium  
T. +32 10 84 83 90 - F. +32 10 84 83 99  
info@promati.com - www.promati.com