ELEVATOR CLAMPING SYSTEM (EBM)

Splicing System for Bucket Elevator Belts

The EBM belt splice has been designed and patented by Tarma (European Patent No.18382832) and is jointly developed and marketed by TARMA and SIBAN, based on extensive experience in bucket elevator belt joints, offering maximum safety, mechanical strength, and operational reliability.

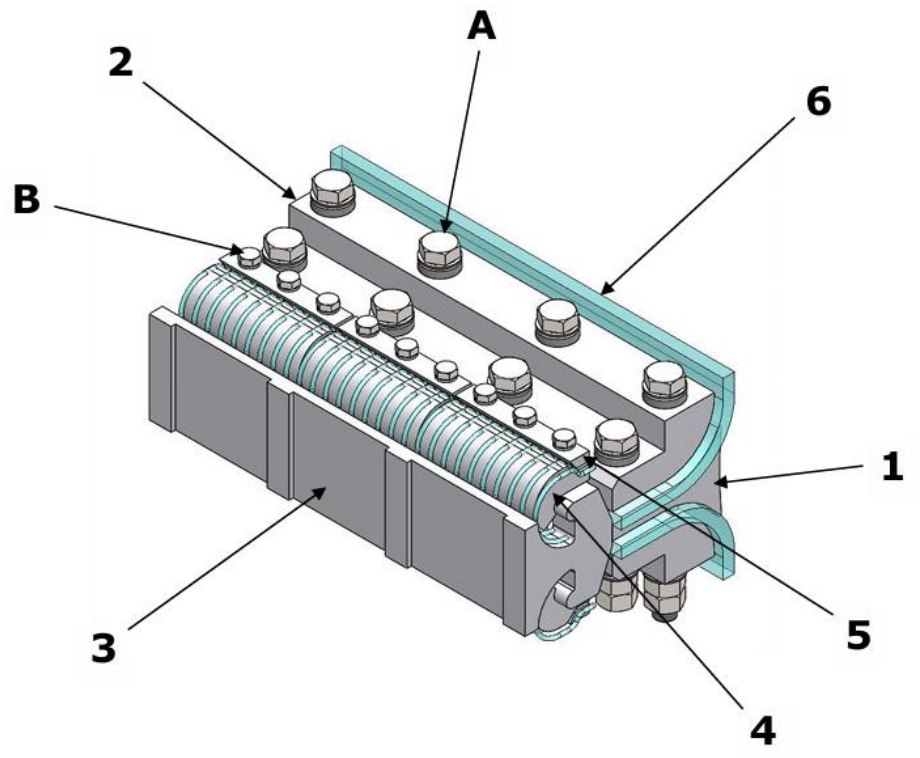
Its unique design ensures uniform load distribution along the splice, minimizing stress points and helping to extend the service life of the belt. Additionally, it significantly reduces downtime and associated maintenance costs.

Key Advantages

- Quick installation.
- No vulcanization required.
- High tensile strength, with values close to the breaking strength of the belt.
- Easy maintenance and retightening.
- Safe and efficient assembly.
- Designed for continuous industrial operation.



Components



Parts 1 to 5: Metallic elements that make up the EBM assembly.

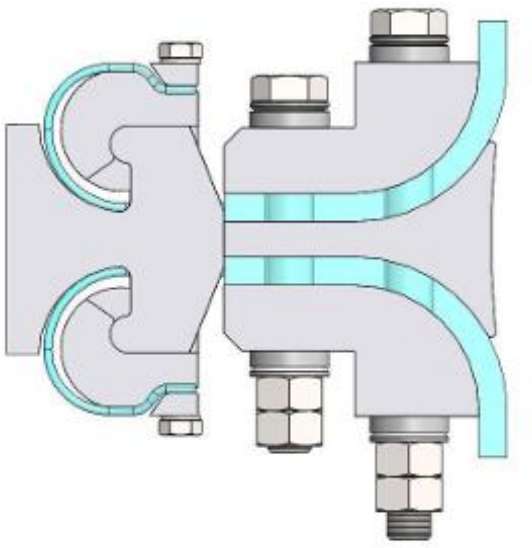
Part 6: Elevator Belt.

A and B: Fasteners designed to ensure a firm, secure, and durable joint.

Operating Principle

The belt splice plays a fundamental role in the safety and performance of the elevator:

- Firmly clamps both ends of the belt.
- Evenly distributes working tensions.
- Prevents belt slippage.
- Transmits the full operational load of the elevator.
- Maintains the structural integrity of the system during continuous operation.



Product Range

Belt width (mm)*	Splice Width (mm)	Strength Range (N/mm)**
300	250	*Up to 2.250 N/mm*
450	400	
560	510	
680	630	
850	800	
1.050	1.000	
1.300	1.250	

**Other belt widths available upon request.*
*** Higher strengths available upon request.*

A robust, secure, and durable joint, designed for quick installation and minimal maintenance in the vertical transport of bulk materials in demanding sectors such as:

- **Cement** and construction materials.
- **Mining** and mineral extraction**.**
- **Agro-food** industry (grains, flour, animal feed).
- **Fertilizers** and **chemicals.**
- **Ports** and bulk terminals.
  Biomass and renewable energy.

When reliability is critical, the choice is TARMA and SIBAN