

ELEVATOR CLAMPING SYSTEM

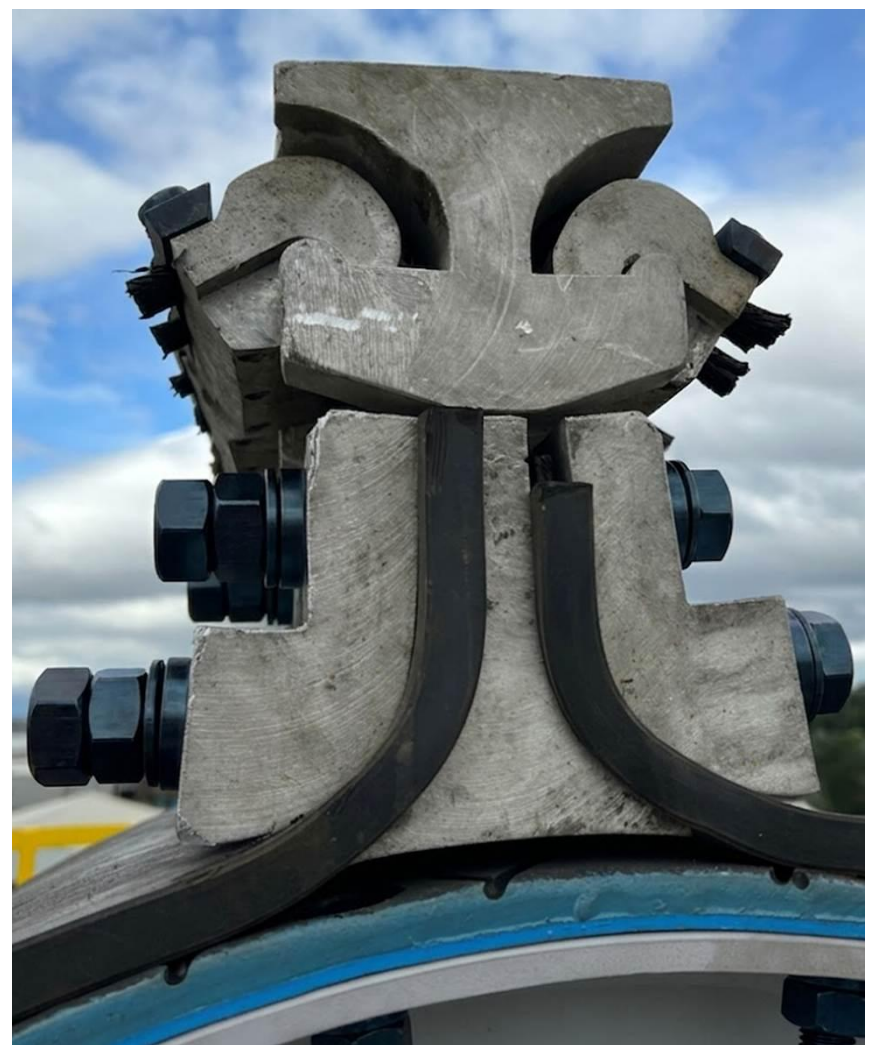
Splicing System for Bucket Elevator Belts

The ECS splicing system has been developed in collaboration with TARMABULK engineering, building on extensive experience in bucket elevator belt joints to offer maximum safety, mechanical strength, and operational reliability.

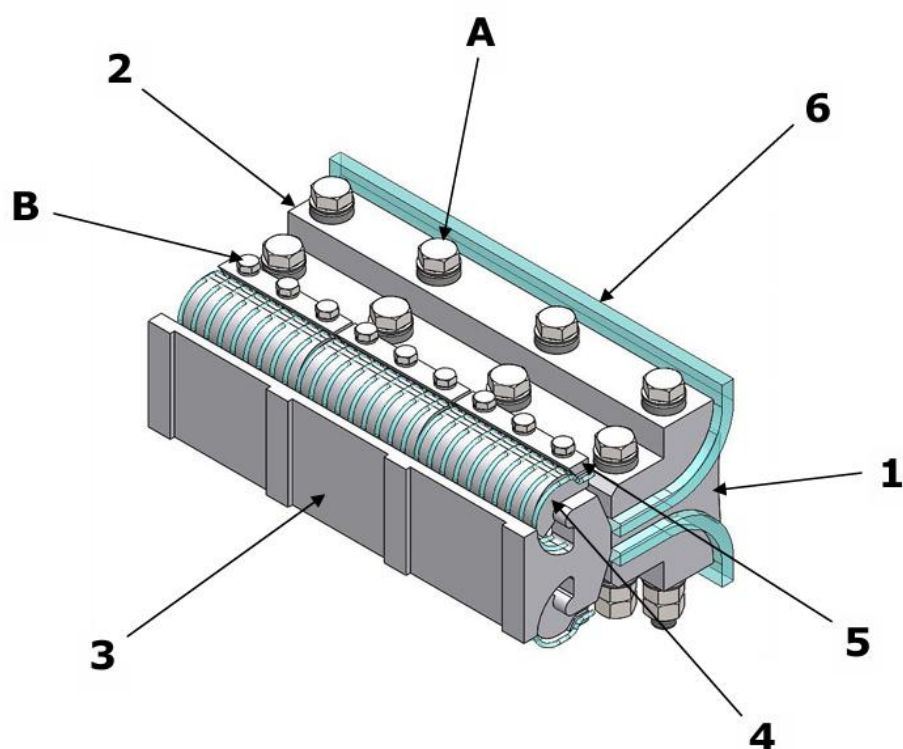
Its unique design ensures uniform load distribution along the splice, minimizing stress points and helping to extend the service life of the belt. Additionally, it significantly reduces downtime and associated maintenance costs.

Key Advantages

- Quick installation
- No vulcanization required
- High tensile strength
- Easy maintenance and retightening
- Safe and efficient assembly
- Designed for continuous industrial operation



Components



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

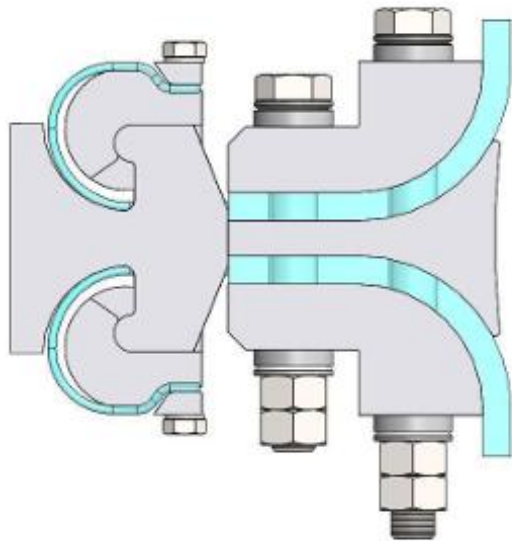
Part 6: Elevator Belt.

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

Operating Principle

The splicing clamp performs key functions essential for 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)	Clamp Width (mm)	Model (Tensile strength N/mm)	
300	250	S	-
450	400	S	L
560	510	S	L
680	630	-	L
850	800	-	L
1.050	1.000	-	L
1.300	1.250	-	L

S: Up to 1.250N/mm
L: Up to 2.250N/mm

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 SIBAN