



Track System VT-STERO

The VT-STERO solution consists of pre-fabricated reinforced concrete beams containing the rail which is completely embedded in elastic material. The elastic profiles – jackets – are made from resin-bonded recycled rubber with a shape adapted to fit the rail. The system provides a continuous support without rail fasteners. During installation the VT-STERO beams are placed on concrete sleepers (5 pcs per rail beam of 18 m). These sleepers are first aligned in x-, y- and z-direction. The VT-STERO beams are installed on top of the sleepers, aligned with shim plates and welded. The welding areas are equipped with rubber jackets before concrete is poured in-situ.

Product Characteristics

- Vibration isolation 3 – 15 dB depending on type of rubber profile
- Noise reduction 3-6 dB
- Quick installation – perfect for rail renovation in existing networks
- Suits any type of top surface (grass, asphalt, stones)
- Excellent electrical isolation due to the full rubber encapsulation, the absence of fasteners and an optional protection film complying with EN 50122-2 from 2 to 500 Ω /km.
- Low rail corrugation due to homogeneous stiffness of the track resulting in less maintenance and vibrations
- Maintenance-free track: low "Life Cycle Cost" and "Total Cost of Ownership"

Product Applications

- Tram tracks
- Depot
- Bridges
- Tunnels
- Crane tracks

Contact information

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