



RAIL FASTENERS DELKOR ALT-1

About Delkor Rail

Delkor Rail is a world-leading supplier of high quality resilient bonded rail baseplates with over 40 years' experience providing technical advice and quality track related products to the world's Rail Industry.

Delkor Rail's bonded baseplates have been utilised in numerous worldwide track and turnout projects as well as retrofit applications to suit a wide variety of railway operating conditions.



Quality
ISO 9001
SAI GLOBAL

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GLOBAL

Delivering leading edge rail solutions to the world's railway industries.



R & D

Over 40 years' experience in the research, development and design of elastomeric products and rubber to metal bonding



PRODUCTION

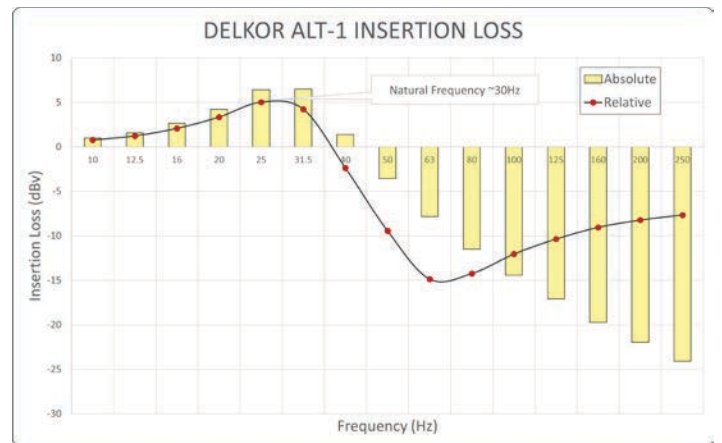
High production rates to meet the delivery demands of clients

RAIL FASTENERS

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- Vibration and noise attenuation
- Low static and dynamic stiffness
- In service vertical and lateral adjustment
- Bonded one-piece unit: no wearing parts
- Single rubber dampening element
- Proven fatigue life
- Easy installation either by Top-Down or Bottom-Up
- High electrical insulation
- Fail-safe design
- Maintenance-free long-life performance over 30 years
- Custom retrofit design development capability
- 2, 3 and 4 anchor bolt designs available



Relative Insertion Loss Reference Track – 150kN/mm



ALT-1
Resilient Fastener

DELKOR ALT-1 TECHNICAL INFORMATION

Axle Load	≤40 T
Static Stiffness of Fastening System	15kN/mm – 35kN/mm
Dynamic/Static Stiffness Ration of Fastening System	<1.4 @ 20Hz
Electrical Resistance	>1MΩ
Rail Clip	'e' Style Clip, Skl Style Clip (others available on request)
Rail Cant	Zero, 1:20, 1:40
Standards	EN13146, EN13481