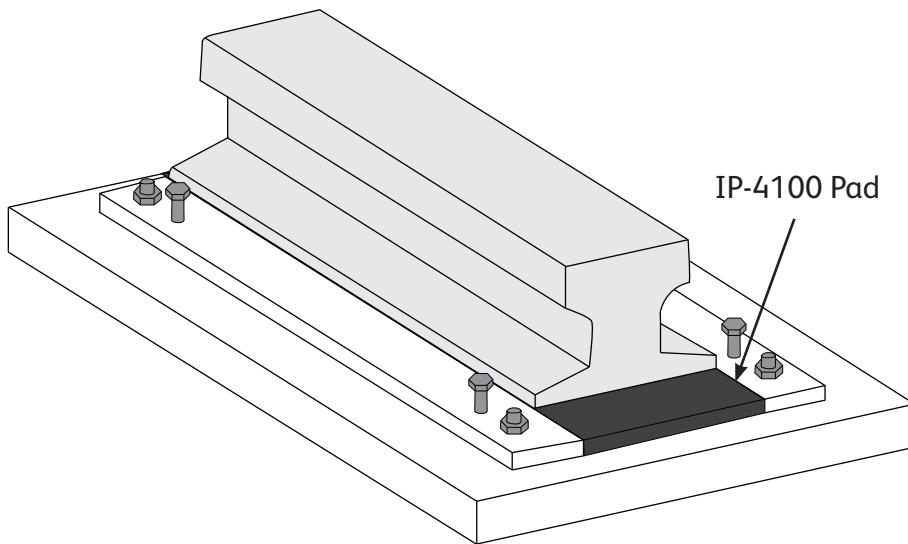


IP-4100

CRANE RAIL PAD | Intermittent Soleplates Systems



Product Details

The unique feature of the Molyneux IP-4100 intermittent soleplate pad is the freedom provided to engineers to determine the soleplate size required by stress analysis as opposed to a limited choice of pad dimensions determining the choice of the soleplate dimensions.

Each pad has retaining protrusions to prevent escape from the soleplate.

How to Specify:

IP-4100/Rail Size/Soleplate Length

Example: IP-4100/A100/300mm

Features

- Reduces noise & structural vibration.
- Reduces rail wear & fatigue stresses.
- Reduces runway maintenance.
- Reduces stresses in the runway structure & the crane structure.
- Resistant to water, oil, grease, mildew & fungus.
- Absorbs uneven contact between the rail and supporting structure.
- Protects the crane mechanism & increases wheel, bearing & axle life.
- Eliminates soleplate wear due to fretting corrosion.
- Distributes the wheel load over a large area, reducing high local bearing stresses.
- Has a high recovery rate to attenuate each wheel pass.

PHYSICAL PROPERTIES

Compressive modulus:	700 N/mm ² to ASTM D695	Compression properties 10 % strain:	700 N/mm ² to ASTM D695
Pad thickness:	6.4mm	Maximum Service temperature:	>77°C
Compressive yield strength:	20 N/mm ² to ASTM D695	Shore hardness D:	68 to ASTM D2240
Brittleness temperature:	<-76°C to ASTM D746	Tensile strength @ yield:	>28 N/mm ² to ASTM D638

TECHNICAL NOTES

Molyneux recommends that the rail joints should be welded when using crane rail pad. Molyneux Engineering Department is pleased to offer help to your engineers in designing the total rail support system from the choice of rail to the design of the load path into the concrete ground beam. Molyneux can supply the complete system, including soleplate fabrication, the rail clips and the soleplate leveling system.