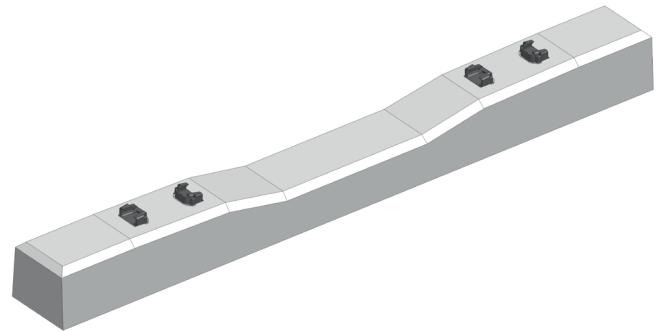




# HEAVY HAUL CONCRETE TIES

## Features and benefits

- » Concrete Ties are the gold standard for the most demanding conditions of railroading
- » Provide the lowest total lifecycle cost by maximizing asset life and minimizing ongoing maintenance costs
- » Deliver improvements in track stiffness, minimize ballast degradation, and increase fuel economy of the rolling stock based on minimization of rail deflection
- » Embedded elastic fastener systems are a reliable choice, providing added resilience, gauge holding, safety, and durability



### Technical considerations

- » For over 60 years, concrete ties have proven their capacity on the heaviest, fastest, and most demanding railroads in the world
- » Safelok 1 and 3, SKL, and e-Clip elastic fastener systems are available according to the operator's necessities and preferences
- » All concrete ties tested to surpass AREMA MRE Chapter 30 guidelines
- » Produced to the highest standards at manufacturing plants certified with ISO 9001, ISO 45001, ISO 14001, PCI, and AAR M-1003 quality, safety, and environmental standards
- » Our Concrete Ties have over 30 years of proven field experience in North America, connecting the complete supply chain and economy to the people



Thank you very much for your interest. Please visit our web site or contact a Nortrak sales professional if you have any questions or if you need assistance.