

North America's leader in steel ties and turnout sets



 **NARSTCO**

THE PREFERRED STANDARD

NARSTCO steel ties - the most cost-effective option for your track

NARSTCO manufactures steel ties and turnout sets for Class I's, short lines and industrial rail customers across North America.

NARSTCO steel railroad ties and turnout sets extend other track components' life and operate with optimal efficiency under the most adverse conditions. Steel ties are installed with less cost, labor and material.

With a proven track record of over two decades of service across North America, high-quality NARSTCO steel ties and turnout sets deliver a return on investment that exceeds any alternative for mainline, siding and yard applications of all types.

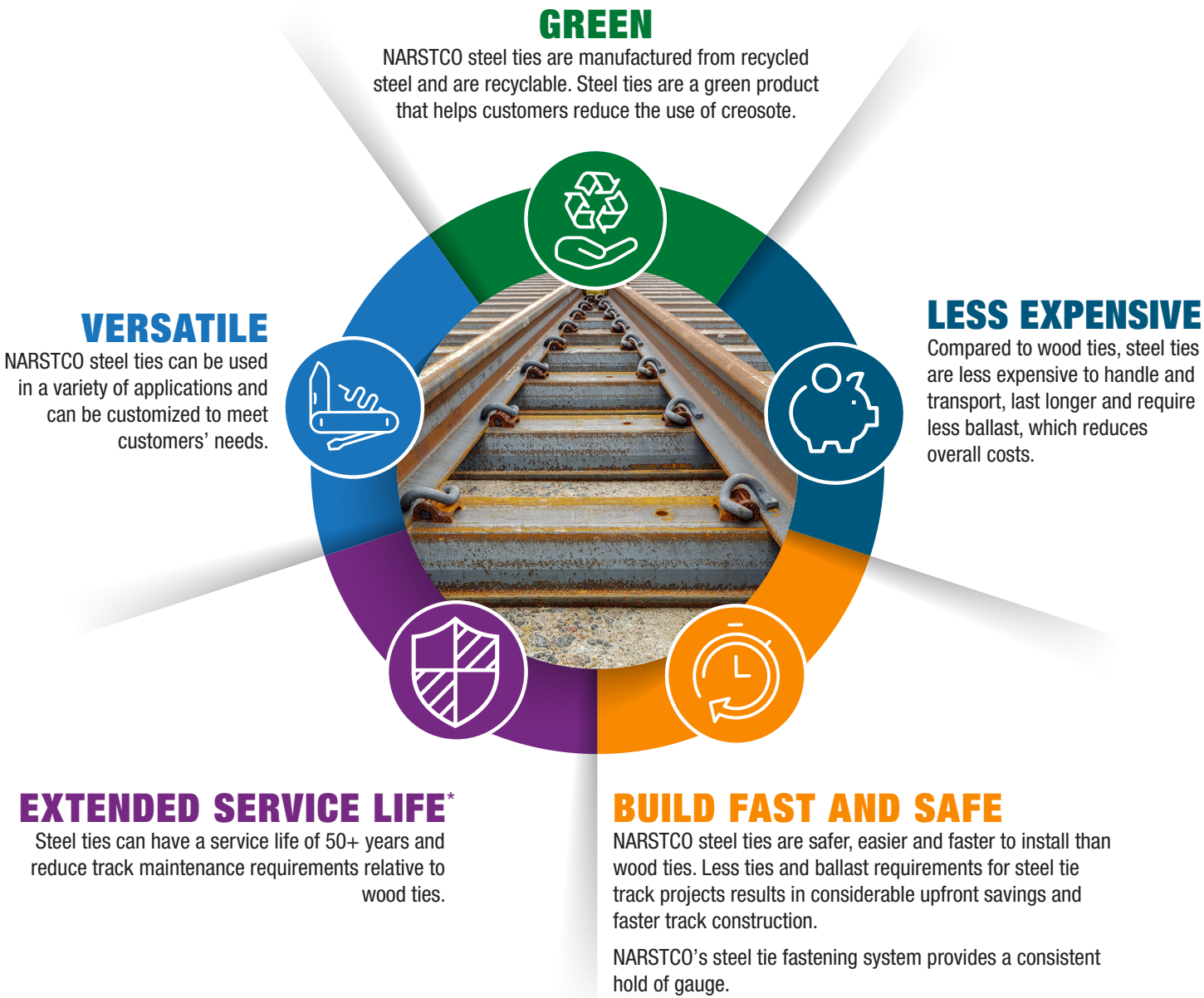
- Safer, easier and faster to install than wood
- Can be interspersed with wood ties to strengthen track structure
- Design allows for reduced ballast section ... up to 40 percent savings vs. wood!
- Extended service life and minimal maintenance requirements compared to wood
- Manufactured from recycled steel and 100 percent recyclable

NARSTCO steel ties and turnouts – the innovative solution to your toughest problems to put you on the right track!



Why steel ties?

Versatile, durable, green and cost efficient, NARSTCO steel railroad ties and turnout sets offer exceptional financial and operational benefits for today's rail industry.



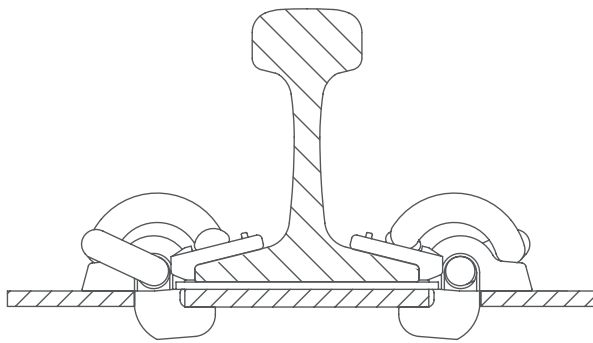
*NARSTCO disclaims all warranties not set forth in NARSTCO's terms and conditions.

Steel Tie Application Guidelines

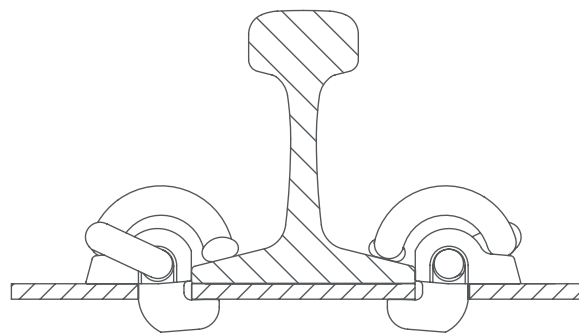
Steel Tie Information

Steel Tie Applications

Tie	MGTM	Speed MPH	Application
M8	<3MGTM Class I	Freight 10mph Passenger 15	Light branch line, flat storage yard tracks, industrial yards and concrete encasement
M10	3 - 10 MGTM Class 2	Freight 25mph Passenger 30	Mainline, yard tracks, sidings, passing tracks, interspersed with wood ties, industrial tracks, concrete encasement, industrial turnout tie sets and grade crossings
H10	10 - 25 MGTM Class 3	Freight 40mph Passenger 60mph	Mainline, yard leads, turnout tie sets, grade crossings, tunnels, interspersed with wood ties, bumping post tie sets and derail tie sets
H12	>25 MGTM Class 4 & 5	Freight 80mph Passenger 90mph	Mainline, tunnels, and ballast deck bridges



Typical Insulated Rail Assembly



Typical Uninsulated Rail Assembly



THE PREFERRED STANDARD

300 Ward Road
Midlothian, TX 76065
Tel: 972.775.5560
Fax: 972.775.5514

NARSTCO.COM