

**PANDROL®**

# **FASTCLIP**



# PANDROL® FASTCLIP

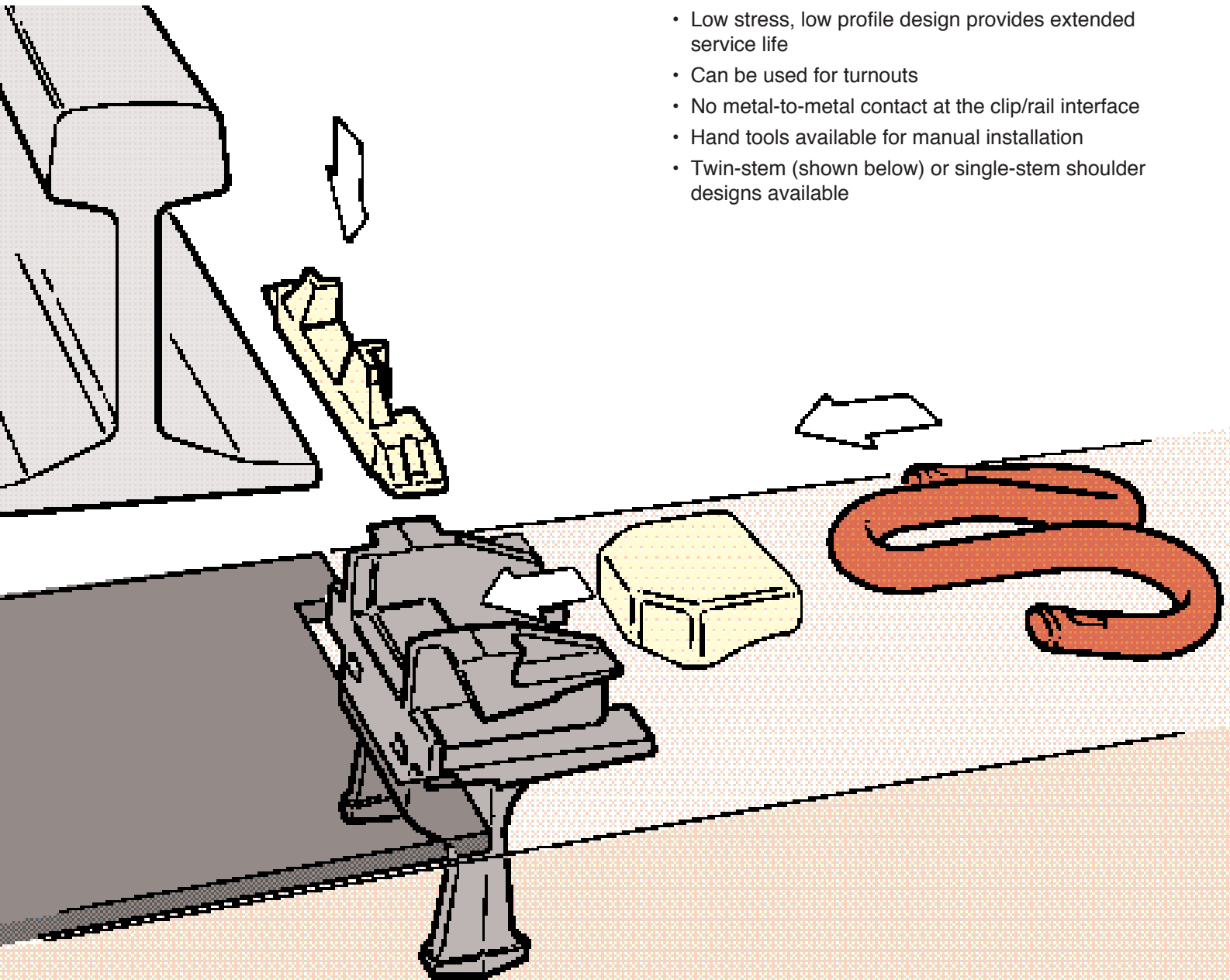
## ...Rail-Ready for the 21st Century

The PANDROL® FASTCLIP is a new and revolutionary concept in rail fastening systems. It was computer-developed to meet both current and future requirements of high speed, heavy haul and rapid transit operations. The PANDROL FASTCLIP system completely addresses the need for fast, efficient track installation and reduced maintenance costs.

The PANDROL FASTCLIP has met or exceeded every test and in-service performance demand. It is pre-installed on concrete ties with pad and insulators in place, ready for track installation. Installation costs and long-term maintenance costs are significantly reduced.

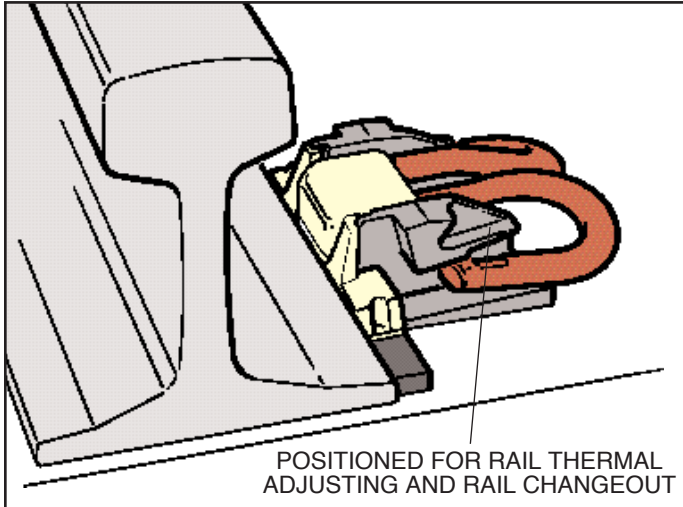
### FEATURES

- All components pre-assembled on concrete ties
- Fast, fully mechanized installation and removal
- All components remain on the tie during rail changeout or de-stressing
- Three positive locked positions (see illustrations)
- Exceptional durability
- Excellent gage retention
- Exclusive two-piece insulators promote exceptionally long insulator life
- Larger bearing area of side post insulator distributes high lateral forces in curves
- Low stress, low profile design provides extended service life
- Can be used for turnouts
- No metal-to-metal contact at the clip/rail interface
- Hand tools available for manual installation
- Twin-stem (shown below) or single-stem shoulder designs available

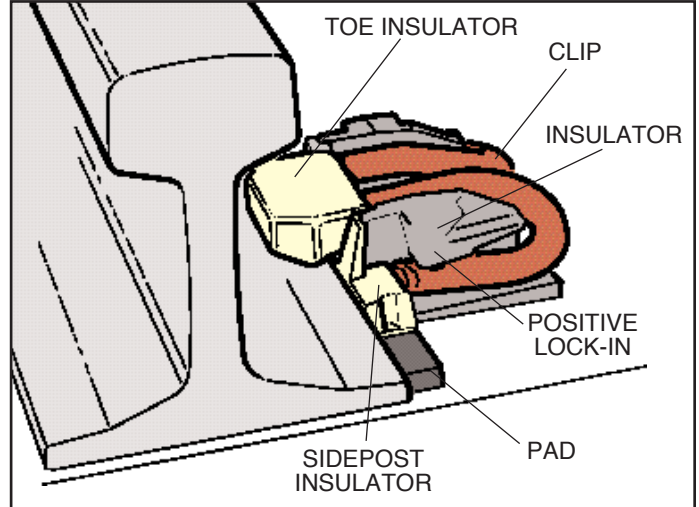


## RAIL-READY POSITION

(As supplied by concrete tie manufacturer)



## INSTALLED POSITION

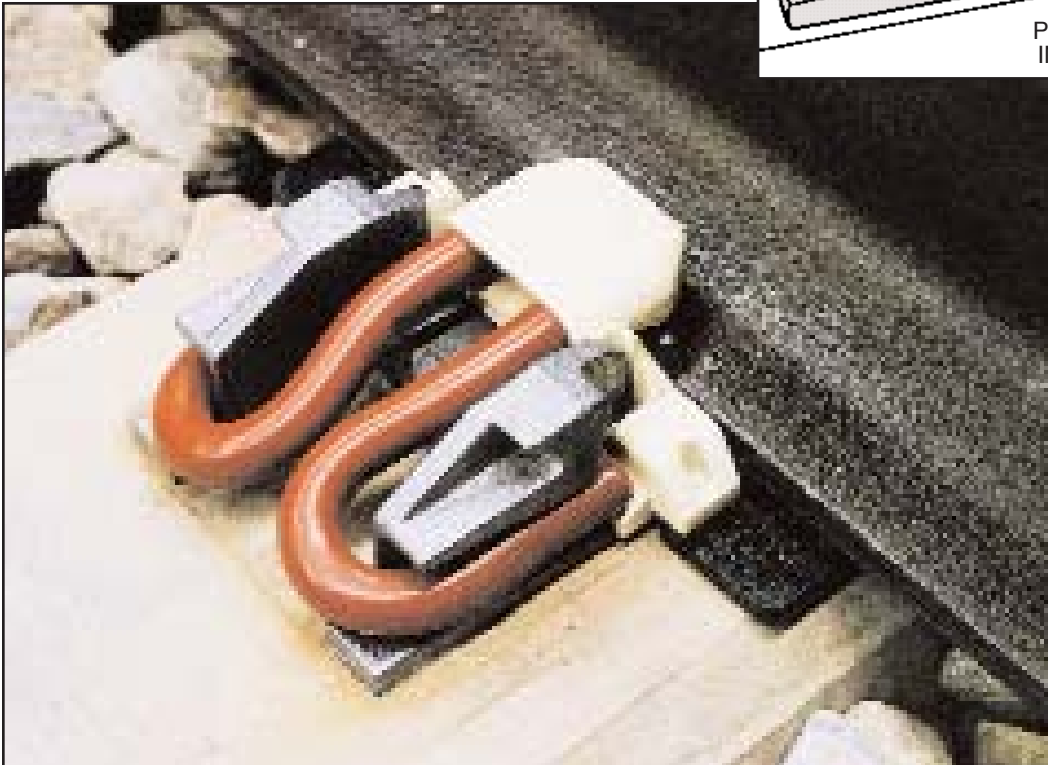
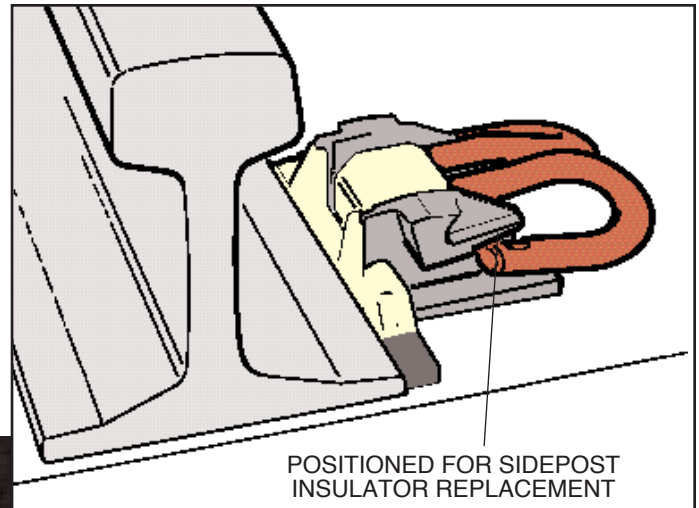


## INSTALLATION AND MAINTENANCE SAVINGS

The PANDROL® FASTCLIP system is pre-assembled at the tie manufacturer's plant. Ties arrive at the job site with all components held securely in place. The clips, complete with toe insulators, have been pressed into the rail-ready position, where they hold the side post insulators and pads in place.

Because of this railroads and contractors have realized significant installation savings. And that is just the beginning. The low-stress clip and dual insulator design result in extended component life and notable maintenance savings.

## MAINTENANCE POSITION





*Fairmont Tamper P811 SP-FC installing the PANDROL® FASTCLIP system.*



*Racine clip applicator installing the PANDROL® FASTCLIP system.*

## **FAST, EASY INSTALLATION AND EXTRACTION**

The PANDROL® FASTCLIP system is ideal for mechanized installation. A wide variety of existing track laying machines can be easily adapted for this purpose. Clip application units can be incorporated directly into the frame of track laying trains or run as free-standing units.

Clip application rates range from 15 to 35 ties per minute, depending upon the type of installation machinery. Clip removal for rail changeout or de-stressing can be done at up to 24 ties per minute. These cost-effective, high productivity levels can be accomplished by a single operator.

## **RAIL JOINT ASSEMBLY**

The PANDROL FASTCLIP system is designed to work with most joint bars. The FASTCLIP system can be adapted to various types and designs of insulated or non-insulated joints.



*The PANDROL® FASTCLIP system can be used with most joint bars.*

## **LOWER INSTALLED COST, SUPERIOR PERFORMANCE**

The PANDROL FASTCLIP system is the evolutionary result of more than six decades of worldwide experience in the development and supply of rail fastenings for every type of track and traffic.

Pandrol rail fastening systems are in use on more than 200 railways in over 80 countries.

The revolutionary PANDROL FASTCLIP system sets totally new standards for rail fastening performance, installation costs and maintenance requirements.



Pandrol USA, LP  
 501 Sharptown Road  
 P.O. Box 367  
 Bridgeport, NJ 08014  
 (856) 467-3227  
 (800) 221-CLIP  
 FAX (856) 467-2994  
[www.pandrolusa.com](http://www.pandrolusa.com)

PANDROL FASTCLIP® is protected by U.S. and foreign patents

*In the interests of product improvement, Pandrol USA, LP reserves the right to change the specifications contained herein at any time without prior notice.*

**ISO 9001:2000 Certified**