

The GANTREX crane rail soft-mounting system consists of a range of synthetic rubber pads, which are laid under the rail, and a range of resilient crane rail clips which locate the rail.

Individual data sheets on the various GANTREX pads and clips give details of the unique characteristics and geometry of each product.

This general specification describes the weldable Weldlok series clips.

The “boltable” clips are described in the Stelcam series general specification sheet.

The rail pads are described in the MK6 pad specification.

GENERAL CHARACTERISTICS

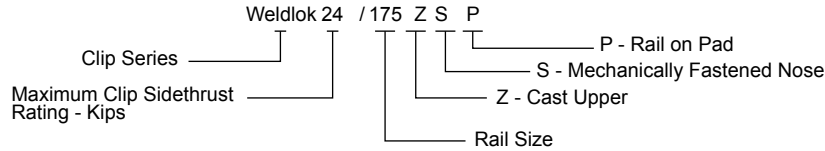
All GANTREX Weldlok series patented clips are specifically designed for the mounting of crane rails, with or without pad. A full range of weldable clips is available to the designer to optimize the economy as well as the technical integrity of the installation.

All Weldlok clips consist of two interacting components which allow easy lateral rail adjustment and, once correctly installed, are self-locking and self-tightening. A controlled vertical force is applied to the rail flange through a synthetic rubber “nose”, which is vulcanize-bonded (or mechanically fastened) to the appropriate clip component.

WELDLOK™ SERIES CLIPS

CLIP IDENTIFICATION AND NUMBERING SYSTEM

The GANTREX Clip numbering system applies to most current products and concisely describes the product as illustrated below:



TECHNICAL ADVANTAGES OF GANTREX CLIPS

- Simple and positive lateral rail adjustment of up to 3/4" (20mm), depending on type of clip.
- Self-locking and self-tightening features through a system of double wedging action.
- Very high resistance to lateral loads through careful selection of clip component materials.
- Controlled vertical force applied to rail through synthetic rubber "nose":
 - accommodates rail and girder tolerances
 - eliminates fatigue effects on bolt
 - ensures contact between rail and pad under the rail
 - controls axial movement of broken rail
 - eliminates loosening of bolts
- Minimizes crane runway maintenance and down time.
- Reduces noise and vibration.

STANDARD RANGE OF CLIPS

See data sheet on specific clip series for details. All GANTREX clips are available in various heights, with optional "nose" thicknesses to accommodate all rail sizes with and without pad.

MAXIMUM ALLOWABLE SIDE LOAD (R) FOR STANDARD CLIPS

CLIP	R MAX IN KIPS
WELDLOK 10	17
WELDLOK 15	15
WELDLOK 18	18
WELDLOK 20	20
WELDLOK 24	24
WELDLOK 32	32
WELDLOK 43	43

See data sheet on specific clip for details

CLIP SELECTION

The following information must be available in order to select the correct GANTREX clip for your installation:

- rail designation (e.g. 85 ASCE, 175 CR)
- thickness of pad or wear plate under the rail
- maximum side thrust per wheel
- vertical clearance tolerances where side rollers are used
- girder top flange width
- lateral adjustment required
- maximum wheel load

Please consult GANTREX if the girder is not simply supported.

INSTALLATION INSTRUCTIONS

See data sheet on specific clip for details. A standard option on all GANTREX clips is protection against corrosion in the form of electro or hot-dip galvanizing. The lower part which must be welded cannot be galvanized prior to welding. Bolts shall be coated with zinc chromate. Where further painting is required, please consult GANTREX before using mineral-based solvents. Do not use cleaning fluids or protective coatings which contain ketones or similar chemicals, as they may seriously damage the rubber nose.

CLIP SPECIFICATION

The data sheet for each clip gives the following details:

- clip size and weight
- model designation for selected rail sizes
- resistance to side load (R)
- lateral adjustment range

Please contact GANTREX for more information on any GANTREX product or for clip specification if your rail size does not appear in the tables on the data sheet tables.

GANTREX reserves the right to discontinue or change specifications at any time without prior notice and without incurring any obligation whatsoever.



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