

## The soft and adjustable solution for your special applications

The **GANTREX**® patented clips are part, together with the **GANTREX**® pads, of the soft rail fixing system, providing a perfect horizontal rail fixing.

Designed as stress resistant, their mechanical performances have been certified by demanding and highly specified tests carried out by the Evaluation Laboratory for Rail Tracks Construction in München (Germany).

During installation, the system allows a continuous side adjustment of the rail, providing a perfect alignment.

### Our material range comprises :

- **Rails**  
UIC60, UIC54, U50, EB50T, SEI60G,...
- **GANTREX**® clips  
Weldable clips  
Bolttable clips
- **Pads**  
GANTREX® pads MK6 – MK2 – MK0  
Grooved pads
- **Chairs**  
GANTREX® chairs D414 – D415 – D419  
Other chairs : U67, U75, ...
- **Anchoring and fixing products**  
Holding down bolts acc. to DIN 976 – DIN 529B – DIN 529C  
Chairscrews acc. to NF 50-003  
Chemical anchors GANTREX® CHEMICAL C30 – V60 – VT30
- **Embedment products**
  - non-shrink grouts :  
GANTREX 035  
GANTREX 040 SW
  - synthetic resin :  
GANTREX EPOXY PLUS  
GANTREX EPOXY RAPIDE
- **Supporting columns**  
HEA, HEB, cylindrical
- **Buffers**  
rubber, hydraulic

### The references

#### ■ TRAMWAY IN LILLE (FRANCE)

*Track renovation in switch area. The service supplied by GANTREX including studies, logistics and technical assistance enabled the project to be carried out in a very short period of time, including a gap of only 2 hours between trams passing over the system.*



Track renovation comprising :

- special GANTREX® chairs D419 • GANTREX® clips 22/200
- GANTREX® pads MK2 • embedment GANTREX® EPOXY RAPIDE
- chemical anchors GANTREX® CHEMICAL C30 • anchors acc. to DIN 976

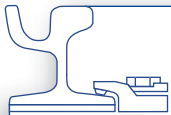
#### ■ TRAMWAY IN BRUSSELS (BELGIUM)

*Curved track renovation. GANTREX recommended and supplied a mounting solution on a concrete floor enabling installation at very low ambient temperatures.*



Track renovation comprising :

- special GANTREX® chairs D419 • GANTREX® clips 22/200
- GANTREX® pads MK2 • embedment GANTREX® EPOXY RAPIDE
- chemical anchors GANTREX® CHEMICAL C30 • anchors acc. to DIN 976



## ■ BILBAO SUBWAY (SPAIN)

Maintenance Hall – Line 2



Hall track mounting comprising :

- GANTREX® hot dip galvanized clips 41/035 + electrical insulators
- supporting columns • GANTREX® pads MK2 • embedment and anchoring GANTREX 035 • anchors acc. to DIN 976

## ■ CITY TRANSPORT IN HONG KONG

GANTREX : a presence on all continents.



Continuous support track mounting comprising :

- GANTREX® clips 41/125 • GANTREX® pads MK6
- embedment and anchoring GANTREX 040SW
- anchors acc. to DIN 529B

## ■ ICE TRAIN (GERMANY)

Track on inspection pit, where GANTREX's know-how in the field of tracks mounted on steel structures is a reference.



Track mounting comprising :

- GANTREX® chairs D419 • GANTREX® clips 71/075
- GANTREX® pads MK2

## ■ SNCB ANTWERP (BELGIUM)

Track on supporting columns :  
GANTREX as market leader.



Track laid on supporting columns comprising :

- rail UIC60 • supporting columns • GANTREX® clips 21/080 + electrical insulators • GANTREX® pads MK2

## ■ ATHENS SUBWAY (GREECE)

Track on an inspection pit. For this project, GANTREX developed special fixings to satisfy the particular insulation requirements. These fixings were successfully tested by the H.T. Laboratory of Free University of Brussels.



Track mounting comprising :

- special GANTREX® chairs D415 • GANTREX® clips 41/075 + electrical insulators • GANTREX® pads MK2 • embedment and anchoring GANTREX 035 • anchors acc. to DIN 976

We reserve the right to discontinue or change specifications or design at any time without prior notice and without incurring any obligation whatsoever.



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