



MOUNTING AND LAYING OF CRANETRACK MADE BY RAILBEAMS

The beam is designed for a corner pressure up to 1500 kN

The RAILBEAM is a welded beam after EU standard, and is CE-marked. RAILBEAMS are joint with 6x M24 bolts.

The rail is bolted to the beam at each 500 mm with M20 bolts.

The rail beam for rail-running cranes and consists of a welded steel beam with mounted rail.

The rail beam is placed on a sustainable surface consisting of compressed stable gravel or macadam. Load capacity of at least 300 kN / m² is calculated.

When building the base, the crown width on both sides must extend approx. 80 cm beyond the base plates.

At high loads, steel plates are placed under the rail beam to achieve sufficient load-bearing capacity.

The individual rail beams are assembled with brackets and bolts. Railbeams are equipped with lifting eyes for easy placement.

Safety equipment: Spacer roof that ensures constant track gauge. Electric end stop, Glide end stop and Fixed end stop. The end stops are placed in that *order*.

Instructions on how to build.

The Railbeam must be placed on ground with sufficient capacity to carry the corner load from the crane.

Use gravel compressed to minimum 300 kN/m² or use macadam.

Place the Railbeam by means of the lifting brackets.

When building the underlay be aware of the width of gravel under the railbeam, see drawing below.

To estimate base under the Railbeam, see Calculation/Base on top of this page. The Railbeams are connected with a pair of fishplates between the rails and 6 bolts between the beams.

Security:

As the cranes local position is not known to us, we make certain reservations for capacity of soil and situations where strong wind will have influence on the cranes stability. With

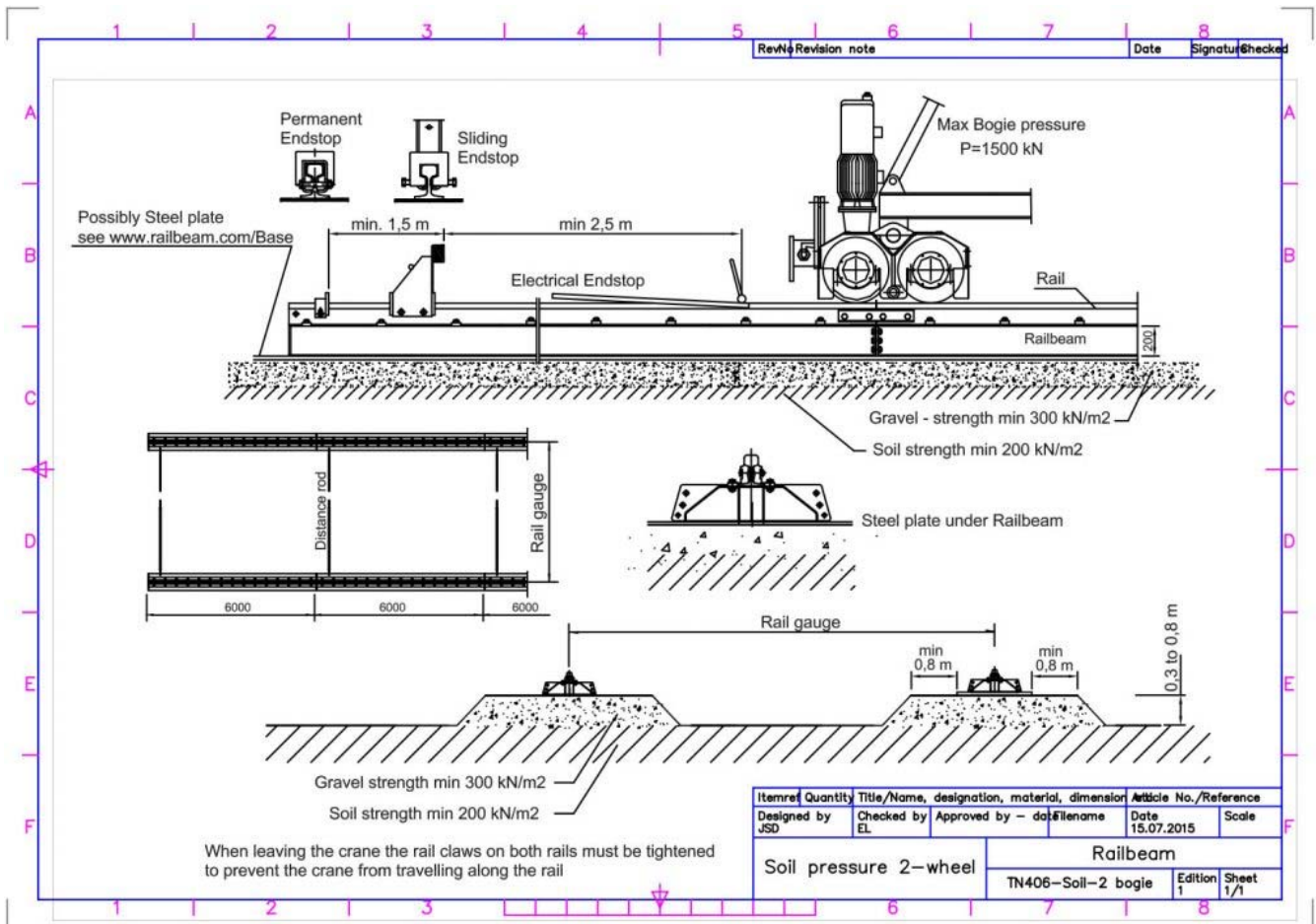


storm we recommend to anchor the crane.

By mounting RAILBEAMS on steel plates it is recommended to place a material with higher friction coefficient between RAILBEAM and steel plate.

There are three types of end stops:

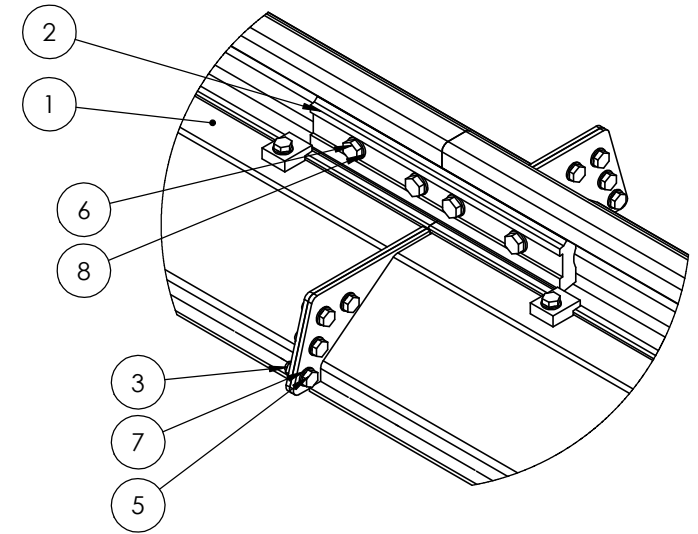
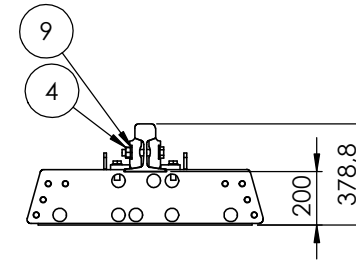
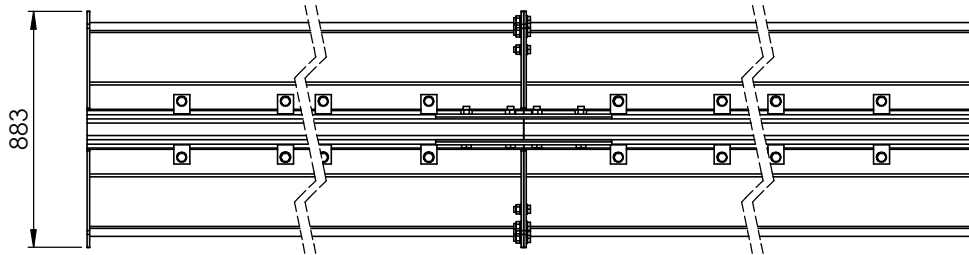
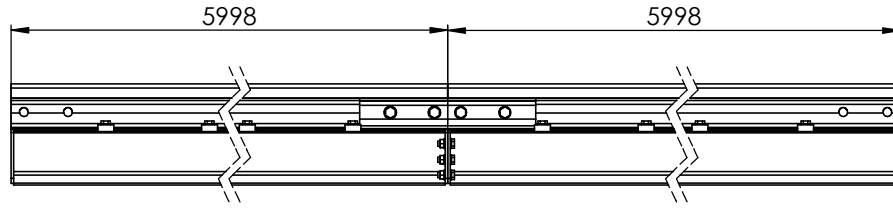
1. Electrical end stop: The electrical power is disconnected.
2. Sliding end stop: Will reduce the speed of the crane
3. Permanent end stop: This end stop is bolted to the rail.



The Railbeams shall be mounted by joining endplate to endplate preassembled loose with 6x M24 bolts.

Then the end stops are mounted to the rail.

Please note that no potholes under the steel plate can be accepted.



ITEM NO.	PART NUMBER	QTY.
1	RAILBEAM 6000 UIC60 ZINC FULL ASSEMBLY	2
2	Fishplate	2
3	DIN 934 M20	8
4	DIN 934 M24	4
5	DIN 933 M20x50	8
6	DIN 931 M24x140	4
7	DIN 125 M20	16
8	DIN 125 M24	4
9	DIN 127 M24	4

