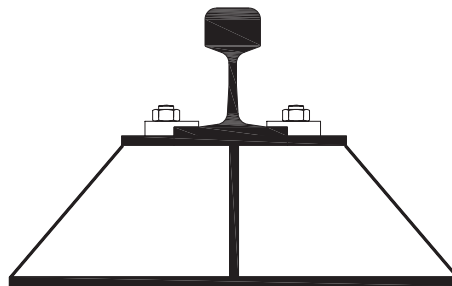


RAIL BEAMS



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RAIL BEAM



Type	Corner pressure *) kN	Wheel pressure t	Beam dimensions B x H x L m	Area / wheel m
TN300	3000	75	0.6 x 0,2 x 6,0	0.6 x 0.8
TN600	6000	150	1.3 x 0,4 x 6,0	1.3 x 1.2

The RAIL BEAM is designed for tower cranes on rails and replace the concrete sleepers. The rails are connected to the beam with clamps and screws. The RAIL BEAM is placed on base course aggregates or compreable base which is able to absorb the the load from the crane. The base must be free of cavities. The RAIL BEAM'S are produced in lengts of 6 meter and are connected internal with bolts and punch. The rail beam is a welded steel construction and no maintenance is needed. For distribution of the bogie pressure the RAIL BEAM has a 50% bigger area compared to traditional sleepers. The rail beam is calculated for a seperate wheel pressure on 750 kN (75 ton) and a corner pressure on 3000 kN (300 ton). The rail beam is calculated according to Danish standard and EN-norm by Rambøll Denmark A/S.

*) Max bogie pressure for 4 wheels to be spread over min. 2.3 m