

STRUCTURAL ELEMENTS



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Van Maercke nv.
Oudenaardebaan 60
B-9690 Kluisbergen

Tel. +32 (0)55 39 00 40
Fax. +32 (0)55 38 99 59

WWW.VANMAERCKE.COM

 **VAN MAERCKE**
building contractors

3 ROLLING BRIDGE BEAMS

3.1 INTRODUCTION

Rolling bridge beams are made of prestressed concrete, in lengths of 10 or 12 m.

Rolling bridge beams can be designed for all types of rolling bridges with a carrying capacity up to 30 tons. Rolling bridge beams are equipped with the necessary facilities in order to allow the rolling bridge track to be attached later on at the construction yard.

They are ideally suited for use in halls in which only a limited number of columns is allowed. They can be combined with 12-m roofing slabs.



3.2 TECHNICAL FEATURES

The corners of the structural elements have a 15-mm bevelled side. They are cast in smooth metal forms and vibrated. The three formed sides are smooth, while the cast side is smoothed manually. All reinforcement for the beams is made to measure in our metal department.



3.3 FIRE RESISTANCE

Most applications have a guaranteed 1-hour fire resistance rating. Modifications in the design can improve the fire resistance.

