



GENERAL INFORMATION

Concrete
 MIN.COMPRESSION STRENGTH MEASURED ON CUBES OF 150mm
 At Release 30MPa
 After 28 Day 60MPa
 Water cement ratio <=0.45
 Minimum cement content : 300kg/m³

Prestressing steel
 Amount of wires 14 nos
 Type of wires prEN 10138-3-Y1860S3-6,8-A (low relaxation)
 Dimension of wires 3x3, 15 mm
 Initial prestressing force 380 kN ±5%

Fastening
 Vossloh W14 fastening system or similar
 Pad type: High attenuation >30%
 Dowel type Sdü25
 (Design gauge 1520 mm)

Tolerances
 Overall length ±10 mm
 Top and bottom width ±5 mm
 Depth at any position +5/-3 mm
 Distance between rail fastening gauge points +2/-1
 Position of the fastening gauge point with regard to end of sleeper ±8 mm
 Plainness of each rail seat area with regard to 2 points 150 mm apart 1 mm
 Inclination of the rail seat 1:18 to 1:22
 Relative twist between rail seats 0,5°
 Position of the prestressing tendons in relation to the nominal position relative to the rail seat
 -For centroid of the prestressing tendons ±3 mm
 -For individual prestressing tendons ±6 mm
 Concrete cover of prestressing tendons: bottom surface / other surfaces 30 / 20 mm

Marking
 Indented marking:
 Manufacturer's mark, mold no., and year of manufacturing
 (additional marking is possible upon customer's request)
 Marking with indelible paint:
 day and month of manufacturing

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DIMENSIONAL TOLERANCES 0 à 10 : ± 3 11 à 100 : ± 5 > à 100 : ± 10	Volume of concrete : 122 litres MASS OF THE SLEEPER (EX. FASTENING) (± 5%) : 302kg	Scale : 2/5
LG M2700 LTG14 Sleeper for gauge 1520 Vossloh type fastening system		
Drawn by : -GA-	Checked by WFr	Approved by : ALO
Preliminary design :	Advanced project :	Execution drawing : 10/06/2024
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