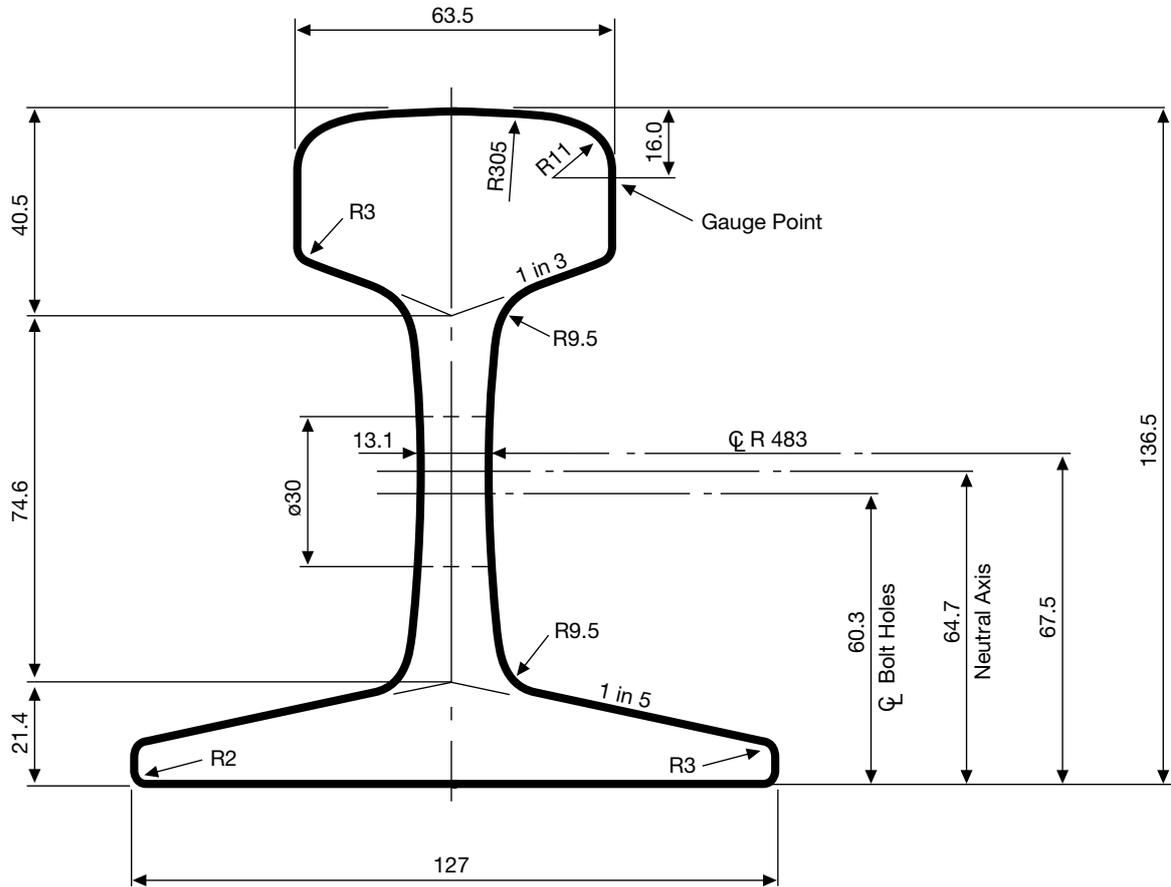


41 KG RAIL

RT 23


MECHANICAL PROPERTIES

Area of Head	2162 mm ²	Horizontal Axis	
Area of Web	1122 mm ²	Second Moment of Area	13.27 x 10 ⁶ mm ⁴
Area of Foot	1908 mm ²	Section Modulus Head	184.4 x 10 ³ mm ³
Total Area	5192 mm ²	Section Modulus Foot	204.5 x 10 ³ mm ³
Standard Lengths	12.19 m & 13.72 m	Vertical Axis	
Calculated Mass	40.8 kg/m	Second Moment of Area	2.67 x 10 ⁶ mm ⁴

TYPICAL MECHANICAL PROPERTIES (Minimum)

0.2% Proof Stress MPa	Tensile Strength MPa	% Elongation Gauge length = 5.65 $\sqrt{S_0}$	Surface Hardness H.B.
400	700	8	230

CHEMICAL COMPOSITION (%) Ladle Analysis

Carbon	Silicon	Manganese	Phosphorus	Sulphur
0.53 - 0.69	0.15 - 0.58	0.60 - 0.95	0.025 max	0.025 max