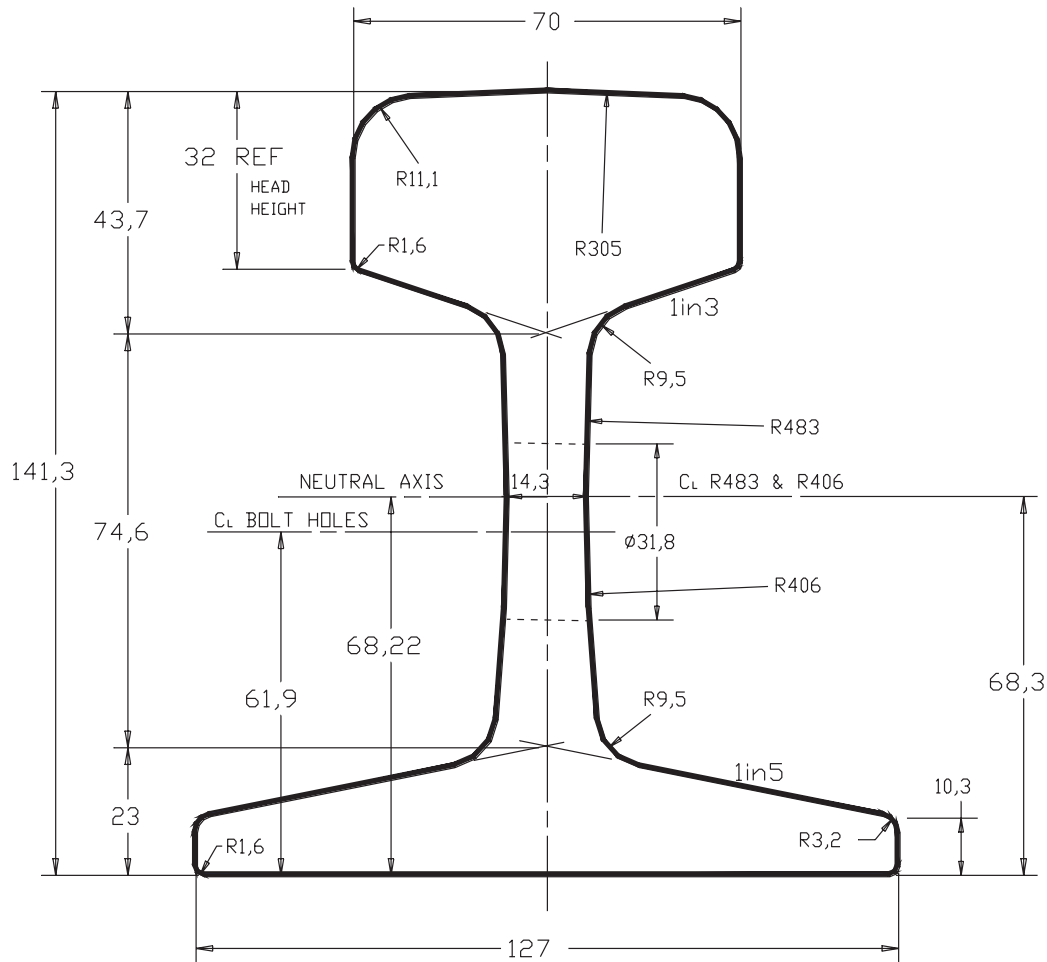


# 47 KG RAIL

**RT 27**


## MECHANICAL PROPERTIES

Area of Head	2561 mm <sup>2</sup>	<b>Standard Lengths</b>	<b>12.19 m &amp; 13.72 m</b>
Area of Web	1235 mm <sup>2</sup>	<b>Calculated Mass</b>	<b>46.37 kg/m</b>
Area of Foot	2110 mm <sup>2</sup>		
Total Area	5906 mm <sup>2</sup>		

## TYPICAL MECHANICAL PROPERTIES (Minimum)

0.2% Proof Stress MPa	Tensile Strength MPa	% Elongation Gauge length = $5.65 \sqrt{S_0}$	Surface Hardness H.B.
420	880	8	260

## CHEMICAL COMPOSITION (%) Ladle Analysis

Carbon	Silicon	Manganese	Phosphorus	Sulphur
0.65 - 0.82	0.15 - 0.58	0.70 - 1.25	0.025 max	0.025 max