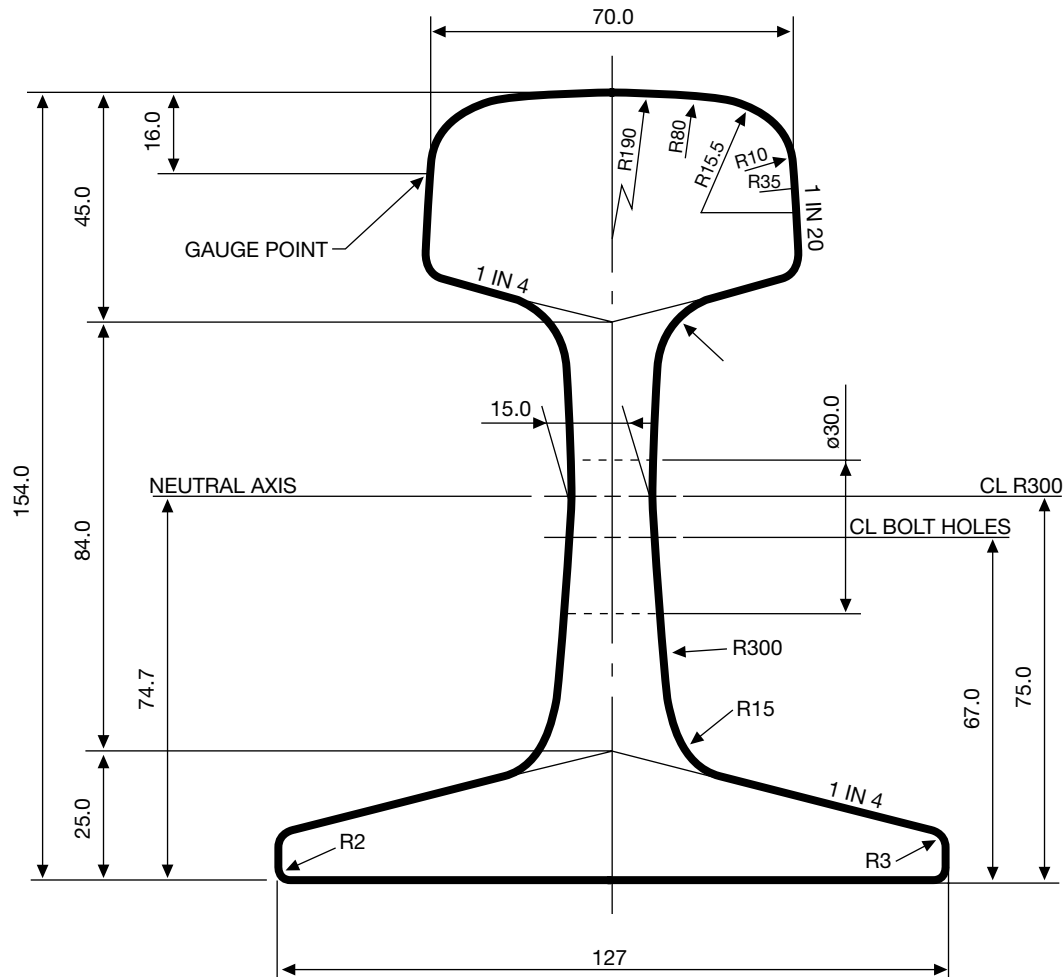




50 KG RAIL

RT 23



MECHANICAL PROPERTIES

Area of Head	2710 mm ²	Horizontal Axis	
Area of Web	1578 mm ²	Second Moment of Area	20.1 x 10 ⁶ mm ⁴
Area of Foot	2163 mm ²	Section Modulus Head	253.5 x 10 ³ mm ³
Total Area	6451 mm ²	Section Modulus Foot	269.1 x 10 ³ mm ³
Standard Lengths	12.19 m & 13.72 m	Vertical Axis	
Calculated Mass	50.6 kg/m	Second Moment of Area	3.26 x 10 ⁶ mm ⁴

TYPICAL MECHANICAL PROPERTIES (Minimum)

0.2% Proof Stress MPa	Tensile Strength MPa	% Elongation Gauge length = 5.65 √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