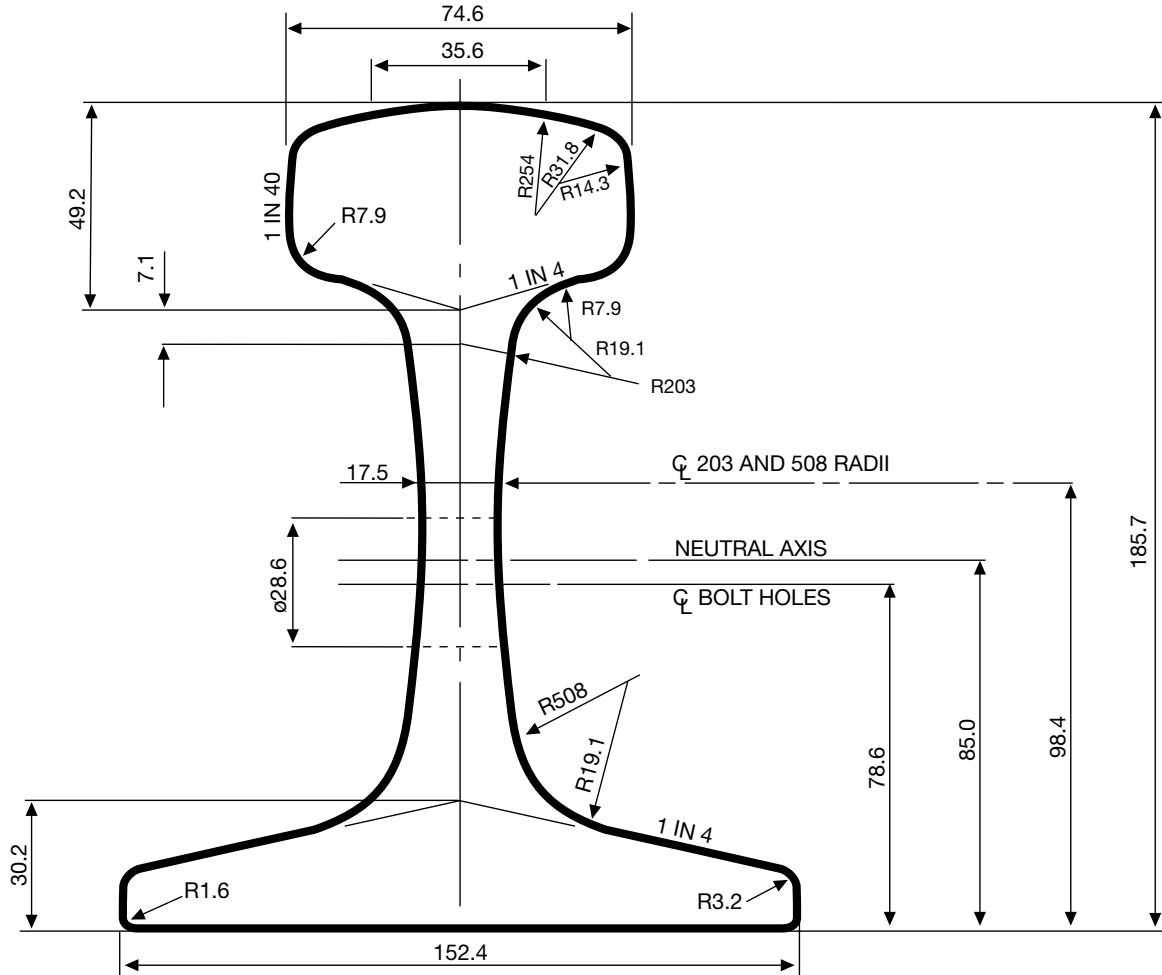


68 KG RAIL

RT 19



MECHANICAL PROPERTIES

Area of Head	3125 mm ²	Horizontal Axis	
Area of Web	2335 mm ²	Second Moment of Area	39.4 x 10 ⁶ mm ⁴
Area of Foot	3142 mm ²	Section Modulus Head	391.7 x 10 ³ mm ³
Total Area	8602 mm ²	Section Modulus Foot	463.8 x 10 ³ mm ³
Standard Lengths	12.5 m	Vertical Axis	
Calculated Mass	67.5 kg/m	Second Moment of Area	6.02 x 10 ⁶ mm ⁴

TYPICAL MECHANICAL PROPERTIES (Minimum)

0.2% Proof Stress	Tensile Strength	% Elongation Gauge	Surface Hardness
MPa	MPa	length = 5.65 √S₀	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