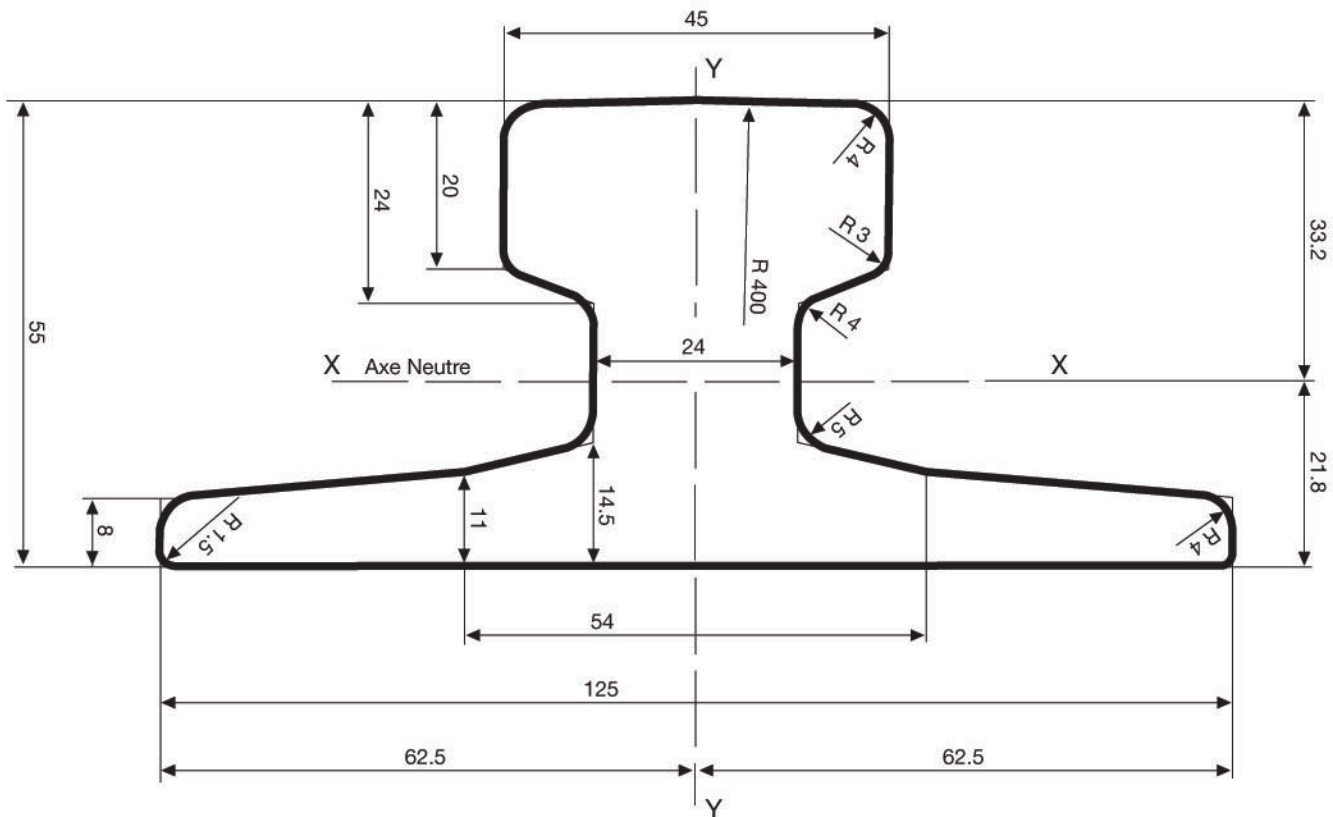


# A45 RAIL

DIN 536



## MECHANICAL PROPERTIES

<b>Tensile Strength (Min.): N/mm<sup>2</sup></b>	<b>690 min.</b>	<b>Section Modulus - Foot:</b>	<b>41.5 cm<sup>3</sup></b>
<b>Moment of Inertia: I<sub>x</sub></b>	<b>90.0 cm<sup>4</sup></b>	<b>Section Modulus - Head:</b>	<b>27.0 cm<sup>3</sup></b>
<b>Moment of Inertia: I<sub>y</sub></b>	<b>170.0 cm<sup>4</sup></b>	<b>Elongation (%):</b>	<b>12 min.</b>
<b>Yield Point (Min.): N/mm<sup>2</sup></b>	<b>355</b>	<b>Area:</b>	<b>28.2 cm<sup>2</sup></b>
<b>Standard Length:</b>	<b>12.00 m</b>	<b>Calculated Mass:</b>	<b>22.1 kg/m</b>

## CHEMICAL COMPOSITION (%) Indicative

<b>Carbon</b>	<b>Silicon</b>	<b>Manganese</b>	<b>Phosphorus</b>	<b>Sulphur</b>
0.40 - 0.60	0.10 - 0.40	0.70 - 1.25	0.045 max	0.045 max