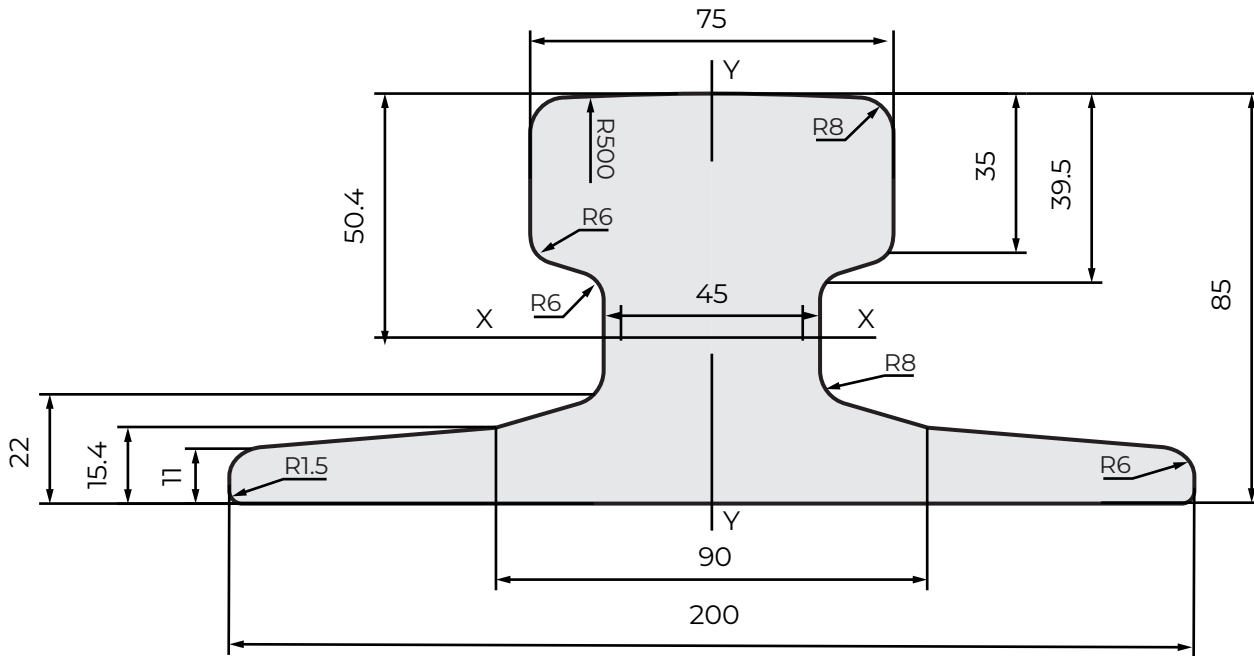


# A75

## CRANE RAIL

DIN 536 P1:1991



Crane rail symbol	Minimum tensile strength (N/mm <sup>2</sup> )	C	Si max.	Mn	P max.	S max.
A45, A55, A65, A75, A100, A120, A150	690	0.40–0.60	0.35	0.80–1.20	0.045	0.045
A75, A100	880	0.60–0.80	0.50	0.80–1.30	0.045	0.045
A120, A150	880	0.55–0.75	0.50	1.30–1.70	0.045	0.045

Crane rail	Mass kg/m	e1 cm	e2 cm	A <sub>x</sub> cm <sup>2</sup>	A <sub>y,z</sub> cm <sup>2</sup>	A <sub>z</sub> cm <sup>2</sup>	I <sub>x</sub> cm <sup>4</sup>	I <sub>y</sub> cm <sup>4</sup>	I <sub>z</sub> cm <sup>4</sup>	S <sub>y</sub> cm <sup>3</sup>	S <sub>z</sub> cm <sup>3</sup>
A75	56.2	5.04	6.29	71.6	44.1	26.9	311	531	1011	88.41	102.09

**Notes:**

- A<sub>x</sub> cross-sectional area
- A<sub>y,z</sub> shear areas
- I<sub>x</sub> second moment of area (torsion)
- I<sub>y,z</sub> second moments of area (flexure)
- S<sub>y,z</sub> section moduli