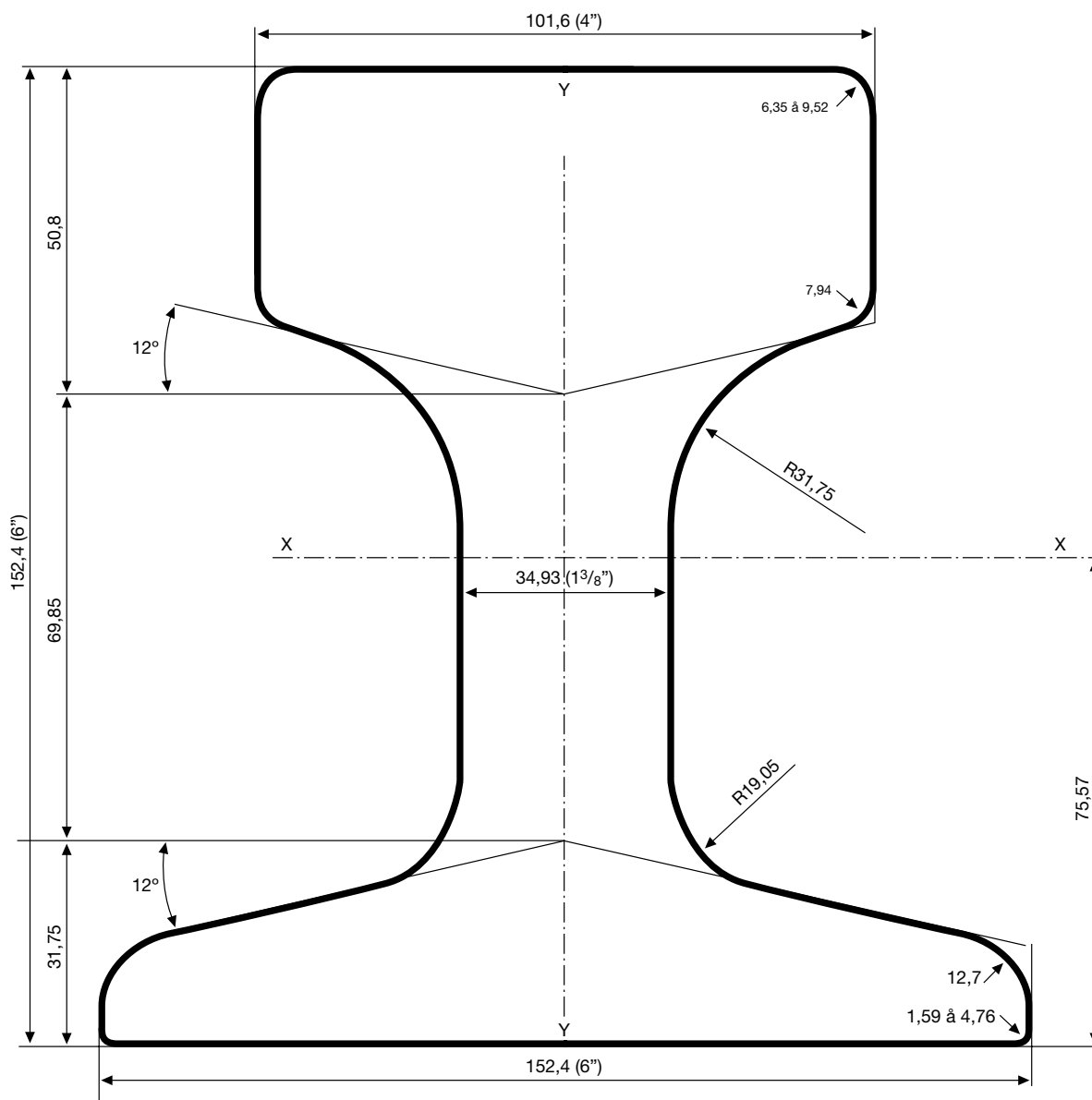


# 87A KG CRANE RAIL

**ARCELOR MITTAL**

## MECHANICAL PROPERTIES

|                                |                |                             |                  |
|--------------------------------|----------------|-----------------------------|------------------|
| Tensile Strength (Min.): N/mm² | 880            | Brinell Hardness: HB (Min.) | 260              |
| Yield Point (Min.): N/mm²      | 440            | Section Modulus: Ix/V       | 400 cm³          |
| Moment of Inertia: Ix          | 3068 cm⁴       | Section Modulus: Ly/V       | 127 cm³          |
| Moment of Inertia: Iy          | 975 cm⁴        | Elongation (%):             | 8 min.           |
| <b>Standard Length:</b>        | <b>12.00 m</b> | <b>Calculated Mass:</b>     | <b>86.8 kg/m</b> |

### CHEMICAL COMPOSITION (%) Indicative

|                              |                               |                            |                              |                           |
|------------------------------|-------------------------------|----------------------------|------------------------------|---------------------------|
| <b>Carbon</b><br>0.60 - 0.80 | <b>Silicon</b><br>0.80 - 1.30 | <b>Manganese</b><br>< 0.50 | <b>Phosphorus</b><br>< 0.045 | <b>Sulphur</b><br>< 0.045 |
|------------------------------|-------------------------------|----------------------------|------------------------------|---------------------------|