

U I C CODE

Leaflet to be classified in Volumes :

VII - WAY AND WORKS

VIII - TECHNICAL SPECIFICATIONS

861-3



3rd edition, 1-1-69

Brought up-to-date on

STANDARD 60 kg/m RAIL PROFILES

Types : UIC 60 and 60 E

The standard profiles of these rails are defined in the Appendix to this leaflet.

**NUMERISATION DANS
L'ETAT DU DOCUMENT**

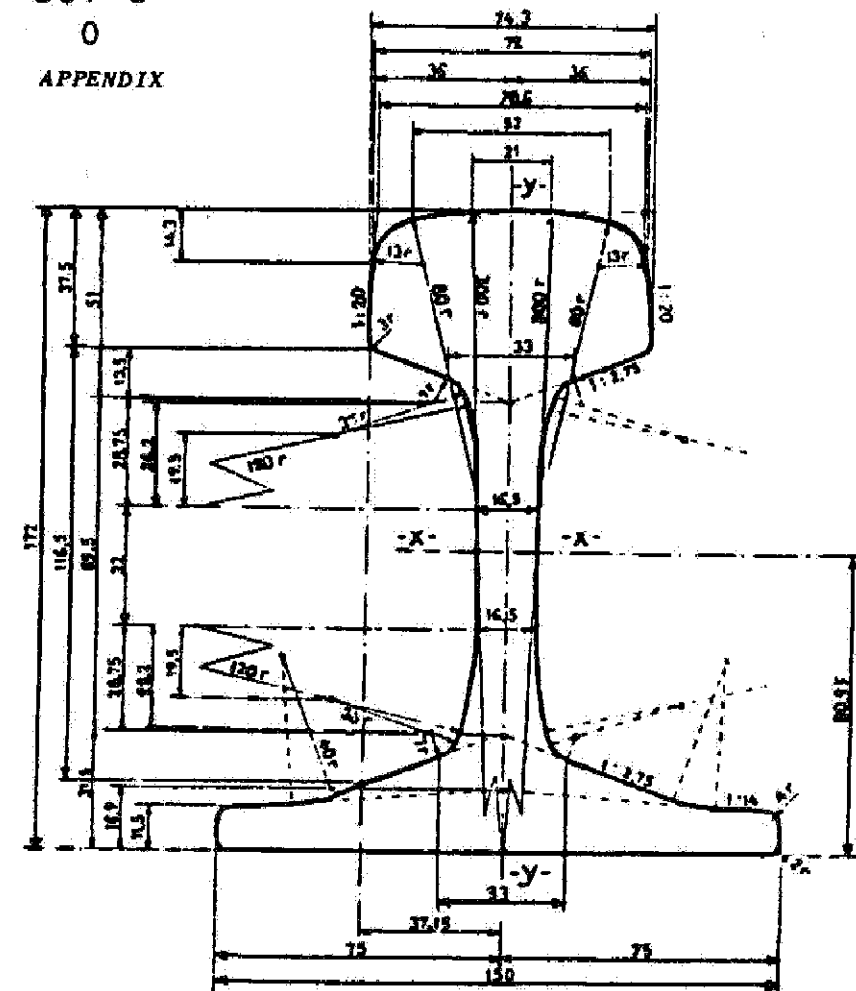
Reprint, 1-791

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APPENDIX

TYPE UIC 60



RAIL CHARACTERISTICS

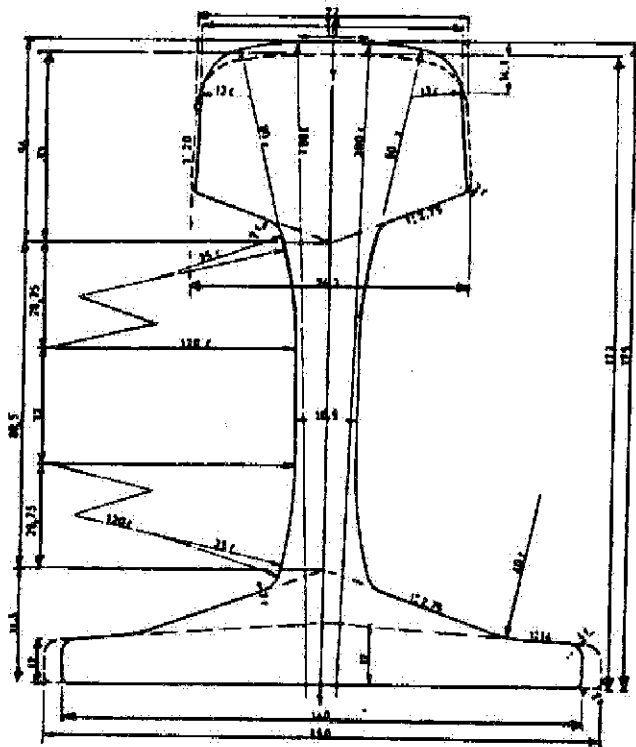
Theoretical weight per linear metre	G	60.34 kg/m
Cross section	F	76.86 cm ²
Moment of inertia in relation to the X-X neutral axis. J _x		3055 cm ⁴
Moment of inertia in relation to the Y-Y vertical axis J _y		512.9 cm ⁴
Moment of resistance in relation to the rail head W _{xk} ^y		335.5 cm ³
Moment of resistance in relation to the foot of the rail	W _{xk} ^y	377.4 cm ³
Moment of resistance in relation to the Y-Y vertical axis	W _y	68.4 cm ³
Rake		1.15
Thermal balance	$\frac{a}{b}$	1.68

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APPENDIX

TYPE : UIC 60 E



---- UIC 60 Profile

—— UIC 60 E Profile

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APPLICATION

With effect :

- from 1st January, 1958, as regards UIC 60 rails ;
- from 1st January, 1969, as regards UIC 60 E rails.

All Railways in the Union.

RECORD REFERENCES

This leaflet, printed in 1956 under No.862, is re-numbered "861-3" with effect from 1-1-67, as a result of the re-numbering of leaflets concerning rail profiles.

Headings under which the question has been dealt with :

- Determination of the optimum rail profile in relation to its weight. In particular, choice of a standard 60 kg/m rail profile.

(5th Committee -P.W.-S.-: Amsterdam, June 1955. - Board of Management : December, 1955).

- Determination of standard rail profiles.

(5th Committee -P.W.-S.-: Paris, June 1957).

- Determination of standard rail sections.

(7th Committee -P.W.-: Paris, May 1963; Berne, May 1964; Florence, May 1968).