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).

INTERNATIONAL UNION OF RAILWAYS

U I C CODE
Leaflet to be classified in Volumes : VII - WAY AND WORKS VIII - TECHNICAL SPECIFICATIONS

861-3
O

3rd edition, 1-1-69

Brought up-to-date on

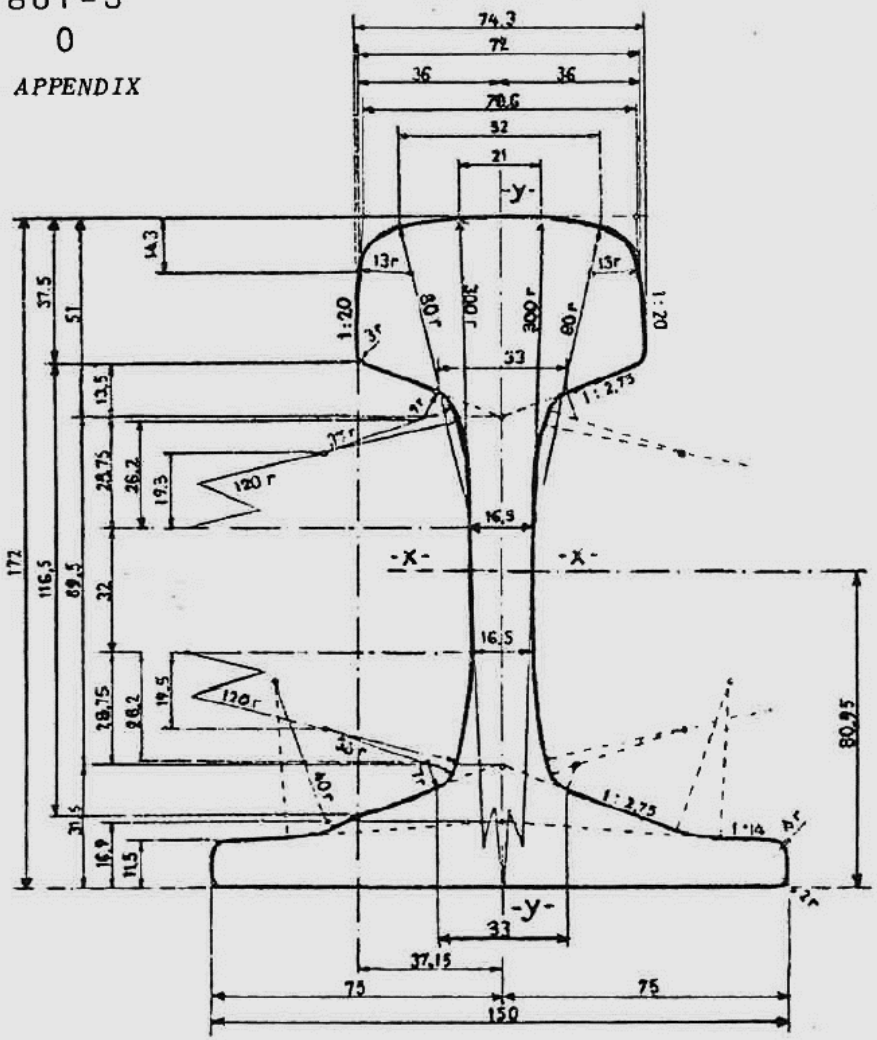
STANDARD 60 kg/m RAIL PROFILES

Types : UIC 60 and 60 E

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

orint, 1-7-91

TYPE UIC 60

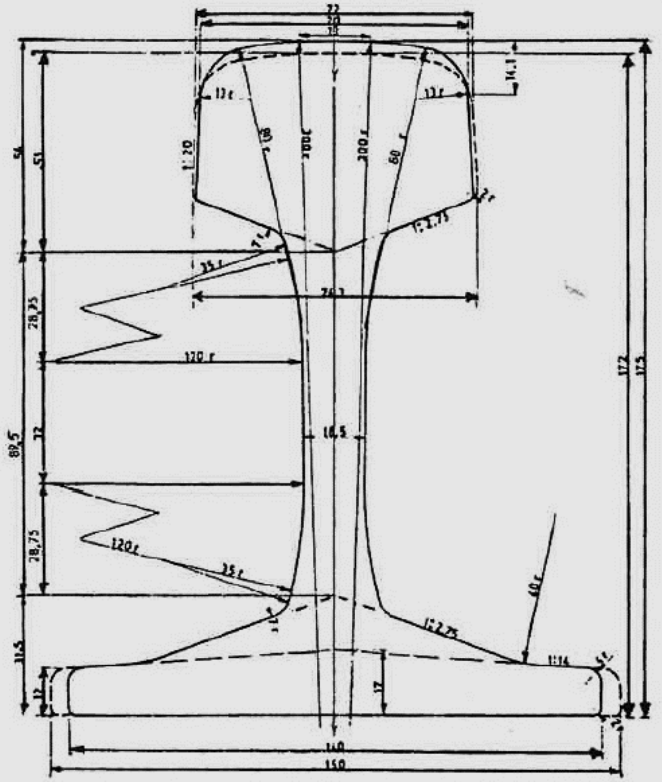


RAIL CHARACTERISTICS

Theoretical weight per linear metre	G	60.34 kg/m
Cross section	F	76.86 cm2
Moment of inertia in relation to the X-X neutral axis.	J_x	3055 cm4
Moment of inertia in relation to the Y-Y vertical axis	J_y	512.9 cm4
Moment of resistance in relation to the rail head	W_{xk}	335.5 cm3
Moment of resistance in relation to the foot of the rail	W_{xF}	377.4 cm3
Moment of resistance in relation to the Y-Y vertical axis	W_y	68.4 cm3
Rake		1.15
Thermal balance	$\frac{a}{b}$	1.68

861-3
0
APPENDIX

TYPE : UIC 60 E



- - - - UIC 60 Profile

——— UIC 60 E Profile