

IS1079 HR0 – Technical Datasheet

1. Chemical & Mechanical Properties

A. Chemical Composition (Max %)

Element	Max %
C	0.21
Mn	1.50
P	0.050
S	0.050

B. Mechanical Properties (Typical / Min)

Property	Value
Yield Strength	≥ 240 MPa
Tensile Strength	370–410 MPa
Elongation	≥ 23 %

2. Equivalent / Alternative Grades

Standard	Grade
EN 10025	S235JR
ASTM	A36

3. Common Applications

- General fabrication
- Structural parts
- Formed sections

4. Standard Conformance

Conforms to IS 1079 : 2017 – Hot-Rolled Carbon-Steel Sheet, Plate and Strip grades.

5. Disclaimer

All chemical compositions, mechanical properties, dimensions and other technical data presented on this page are provided by Raunaq Steels Trading Pvt. Ltd. for **general reference only**. While we endeavour to ensure that the information is as accurate and up-to-date as possible, **no warranty, express or implied, is given** as to its completeness, correctness or fitness for any particular purpose. Raunaq Steels Trading Pvt. Ltd. **accepts no liability** for any loss or damage arising directly or indirectly from the use of, or reliance upon, the information contained herein.

For **authoritative** and **legally binding** specifications, users must refer to the **official publications** of the relevant standards—such as the BIS, ASTM, EN or JIS standards—available through their respective websites or published documents.