

TISCRAL – Technical Datasheet

1. Chemical & Mechanical Properties

Property	Value
Carbon (C)	≤ 0.23%
Manganese (Mn)	≤ 1.60%
Silicon (Si)	≤ 0.50%
Phosphorus (P)	≤ 0.050%
Sulphur (S)	≤ 0.050%
Chromium (Cr)	≤ 0.65%
Hardness	≥ 200 HBW
Yield Strength	≈ 250 MPa
Tensile Strength	430 – 560 MPa
Elongation	≥ 18 %

2. Equivalent / Alternative Grades

Brand	Hardness (HB)
SAIL HARD	≥ 200
Hardox 200	≥ 200

3. Common Applications

- Chute & hopper liners
- Dump truck floors
- Buckets & blade edges

4. Standard Conformance

TISCRA is Tata Steel proprietary 200 HB wear-resistant plate specification.

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.