

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

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

5. Disclaimer

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