



Employee owned. Family founded. Made in the USA.

Hot Rolled Sheet Steel

Description

Produced at high temperatures; rough surface with mill scale.
Cost-effective for structural and industrial use.

Specs

Common standards include ASTM A1011 (general use), ASTM A36 (structural), SAE J1392 (HSLA). Available in CS, SS, and HSLA grades.

Appearance

Dark, scaly surface; not aesthetic. P&O (pickled and oiled) improves finish and corrosion resistance.

Applications

Structural parts, automotive frames, machinery, agriculture equipment, general fabrication.

Thickness Range

Approx. 0.060" to 0.500" (varies by supplier).

Formability

Good for bending and welding. Surface roughness may affect precision work.

Weldability

Excellent weldability; surface scale may need removal.

Paintability

Requires cleaning or pickling to remove scale and allow adhesion.

Protection

Available as as-rolled (mill scale) base metal temporary corrosion protection or P&O (pickled and oiled).

Pros

Cost-effective, good strength, readily available in various sizes.

Cons

Poor surface finish and dimensional accuracy compared to cold-rolled; may need additional processing for tight-tolerance or aesthetic applications.