

Steel bar

Steel is a ferrous metal and is an alloy of iron and carbon, as well as potential other elements. It has a very high tensile strength. Steel has been used in the construction industry for over a century.

The core material for making steel is iron, which is found in iron ore. Iron is extracted from iron ore in blast furnaces through the smelting process, while controlling for the content of carbon. The molten steel is usually further processed before being cast for its final use.

Steel is commonly used in the construction industry, mainly as a structural material. Steel (flat) bars are used as frames and cut and welded into steel plates.

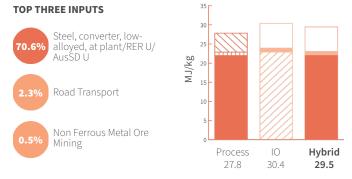
Category	Metals
Туре	Steel
Functional unit	kg
Specific heat	490 J/(kg∙K)
Density	7 850 kg/m³

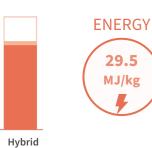
Common uses Framing, plates

Process name Steel bar (custom)

Input-output sector Iron and Steel Manufacturing

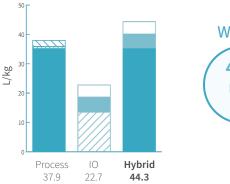
Further information doi.org/10.26188/5da55814c051c





TOP THREE INPUTS



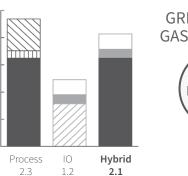




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GREENHOUSE GAS EMISSIONS 2.1



METALS