

kg Stainless steel extruded

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. Stainless steel is extremely resistant to corrosion.

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. To render the steel stainless, chromium is needed and is typically added as stainless steel scraps. The molten steel is usually further processed before being extruded into its final shape.

Steel is commonly used in the construction industry, mainly as a structural material. Extruded stainless steel can be used to produce a range of tubes for structural and finishing purposes as well as pipes.

Category Metals

Type Stainless steel

Functional unit kg

Specific heat 456 J/(kg·K)

Density 7 740 kg/m³

Common uses

Tubes, pipes

Process name

Stainless steel, hot extruded (custom)

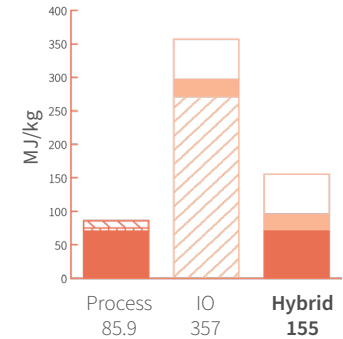
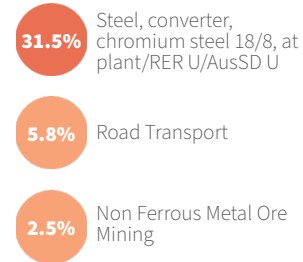
Input-output sector

Iron and Steel Manufacturing

Further information

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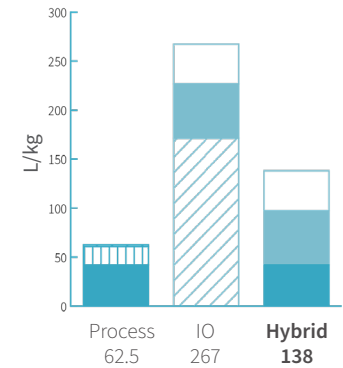
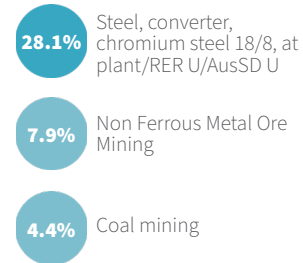
TOP THREE INPUTS



ENERGY



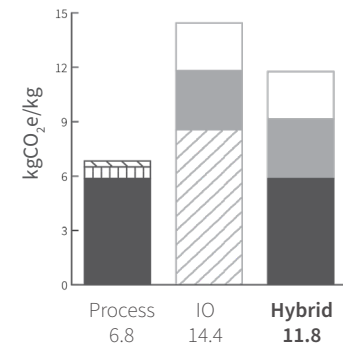
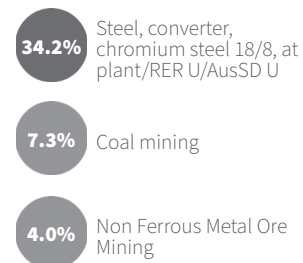
TOP THREE INPUTS



WATER



TOP THREE INPUTS



GREENHOUSE GAS EMISSIONS

