

PRODUCT CARBON FOOTPRINT



GWP

This quantifies a product's contribution towards global warming. This is referred to as carbon footprint, global warming potential and also embodied carbon.

CARBON FOOTPRINT

Declared unit	1 tonne
Mass of declared unit (kg)	1000
GWP-fossil, A1-A3 (kg CO₂e)	1,954E2
GWP-total, A1-A3 (kg CO₂e)	1,979E2

STANDARDS

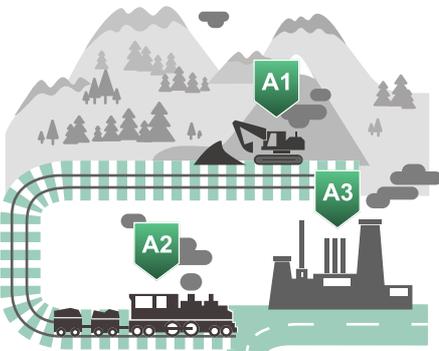
These are ISO 14021 self-declared results, calculated according to ISO 14040 and ISO 14044 standards. The results follow ISO 21930/EN 15804+A2.

MANUFACTURER AND PRODUCT

Manufacturer	Železiarne Podbrezová a. s.
Address	Kolkáreň 35, 976 81 Podbrezová, Slovakia
Website	www.steeltube.sk
Product name	Continuously cast steel blooms
Product reference	
Place of production	Strojárska street 24, Valaská – Piesok, Slovakia
Period for data	2020

SCOPE OF ASSESSMENT

The results have a cradle-to-gate scope, comprising raw materials extraction and supply (A1), transport (A2) and manufacturing (A3).



PRODUCT DESCRIPTION

Steel blooms and billets are the starting materials for production of seamless steel tubes. In addition to the production of tubes they can also be used to produce other metallurgical semi-finished products using hot forming (rolling, forging, pressing, etc.).

SYSTEM BOUNDARY

Product stage			Construction		Use stage							End of life stage				Beyond the system boundary		
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D	D	D
X	X	X						Modules not declared										
Raw materials	Transport to site	Manufacturing	Transport	Construction	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy	Operational water	Deconstruction	Transport	Waste processing	Disposal	Reuse	Recovery	Recycling