

PRODUCT CARBON FOOTPRINT



GWP

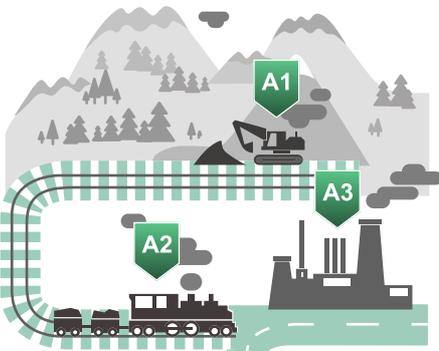
This quantifies a product's contribution towards global warming. This is referred to as carbon footprint, global warming potential and also embodied carbon.

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.

SCOPE OF ASSESSMENT

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



CARBON FOOTPRINT

Declared unit	1 tonne
Mass of declared unit (kg)	1000
GWP-fossil, A1-A3 (kg CO₂e)	1,116E3
GWP-total, A1-A3 (kg CO₂e)	1,14E3

MANUFACTURER AND PRODUCT

Manufacturer	Železiarne Podbrezová a. s.
Address	Kolkáreň 35, 976 81 Podbrezová, Slovakia
Website	www.steeltube.sk
Product name	Precision seamless cold drawn steel tubes
Product reference	-
Place of production	Strojárska street 24, 976 43 Valaská – Piesok, Slovakia
Period for data	2020

PRODUCT DESCRIPTION

Precision seamless tubes are used as construction elements for hydraulic cylinders, high pressure hydraulic distributions, pressure vessels, ball bearings, parts and axles of engineering units. In automotive industry examples of use of tubes and tubular semi products are as follows: automobile steering systems, half-axes and cardan shafts, absorbers and air springs, distribution tubes.

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