



Product range

CO₂-reduced steel.
SPAETER begins today.

You can count on us.

CO₂-reduced steel

Steel for a sustainable future.

The future of steel production and steel trade has now entered the inevitable path to decarbonization. With the product range presented in this document, SPAETER Group is setting new standards for the sustainable design of the steel supply chain. For a broad range of product categories, we are able to offer CO₂-reduced variants, significantly minimizing the carbon footprint in comparison to conventional steel production. Leveraging our long lasting and close co-operation with various suppliers, we are able to provide you with the whole range of CO₂-reduced steel products as a one-stop-shop. The positive contribution to your carbon footprint is verified by reliable manufacturer certificates. Join our mission on the path to a more sustainable future by sourcing steel products as presented in this document and significantly reduce the carbon footprint of your company.

Consistently green. Since 1875.

In our green colors we are well known as the reliable trading partner for any type of steel product for almost 150 years. For all significant product types, we are now able to offer a “green” variant to our customers also. For each such product, we quote the residual CO₂ emissions per ton until delivery ex works from the steel manufacturer’s mill. The positive contribution achieved by sourcing the relevant CO₂-reduced variant is made transparent by comparison to the global average carbon footprint in conventional production.* This will allow you to reliably assess the potential for reduction of your company’s carbon footprint.

* CO₂ emissions according to the manufacturer or comparative value according to the Technical Report of the Joint Research Centre (JRC) of the European Commission <https://publications.jrc.ec.europa.eu/repository/handle/JRC134682>

Green steel. Clear
choice. SPAETER.

Sheets & coils _____ 4

hot-rolled, cold-rolled, hot-dip galvanized

Heavy plates _____ 7

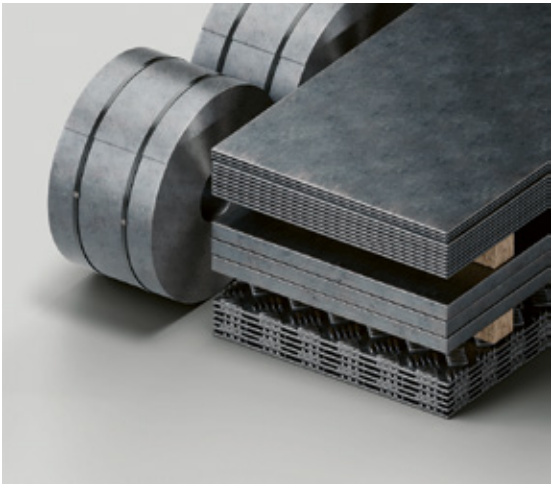
Bar steel _____ 8

Sectional steel &
wide flange beams _____ 9

CO₂-reduced

Hot-rolled sheets & coils

G **Grades**
S235JR · S355MC



Length

Sheets
up to 8,000 mm

Thickness

Sheets & coils
3.0 mm – 15.0 mm

Width

Sheets & coils
1,250 mm – 1,500 mm

Other grades and dimensions on request

Conventional steel



Quantity of CO₂ per ton
of conventional steel

Carbon footprint of hot-rolled sheets & coils



Quantity of CO₂ per
ton **green steel**



CO₂ savings per
ton of **green steel**



Percentage of
CO₂ savings

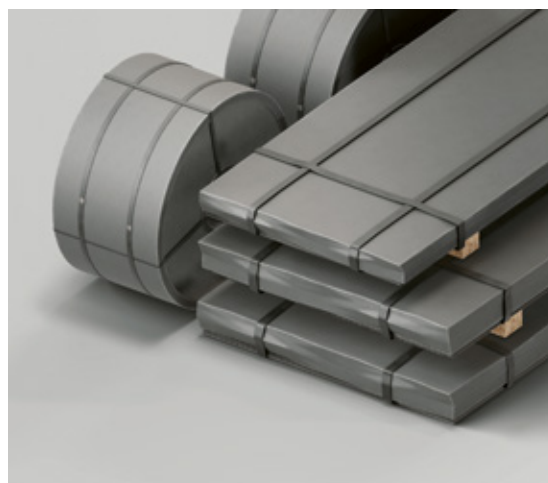
CO₂-reduced

Cold-rolled sheets & coils



Grades

DC01



Length

Sheets

up to 8,000 mm

Thickness

Sheets & coils

1.0 mm – 3.0 mm

Width

Sheets & coils

1,250 mm – 1,500 mm

Other grades and dimensions on request

Conventional steel



Quantity of CO₂ per ton
of conventional steel

Carbon footprint of cold-rolled sheets & coils



Quantity of CO₂ per
ton **green steel**



CO₂ savings per
ton of **green steel**



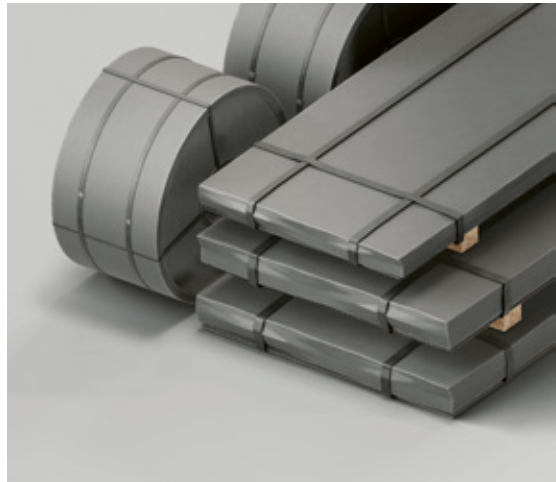
Percentage of
CO₂ savings

CO₂-reduced

Hot-dipped galvanised sheets & coils

**Grades**

DX51D (Z100 & Z275)

**Length**

Sheets

up to 8,000 mm

Thickness

Sheets & coils

1.0 mm – 3.0 mm

Width

Sheets & coils

1,250 mm – 1,500 mm

Other grades and dimensions on request

Conventional steel

Quantity of CO₂ per ton
of conventional steel

Carbon footprint of galvanised sheets & coils

Quantity of CO₂ per
ton green steelCO₂ savings per
ton of green steelPercentage of
CO₂ savings

CO₂-reduced

Heavy plates



Grades

S355J2+N



Length

Plates

6,000 mm – 12,000 mm

Thickness

Plates

6.0 mm – 120 mm

Width

Plates

1,500 mm – 3,000 mm

Other grades and dimensions on request

Conventional steel



Quantity of CO₂ per ton
of conventional steel

Carbon footprint of heavy plates



Quantity of CO₂ per
ton green steel



CO₂ savings per
ton of green steel



Percentage of
CO₂ savings

CO₂-reduced

Bar steel



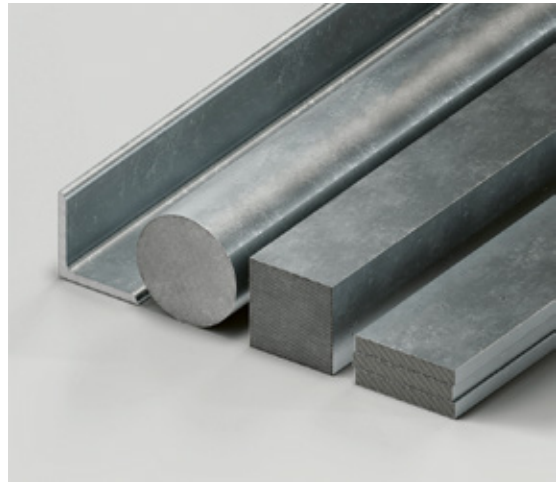
Grades

S235JR · S355J2



Products

Flat steel · Wide flat steel
Angles · T-sections · U-sections ·
Round bar steel · Square bar



Dimensions

Flat steel

20 × 5 mm – 150 × 60 mm

Wide flat steel

150 mm – 500 mm

Equal angle sections

20 × 3.0 mm – 250 × 24 mm

Unequal angle sections

30 × 20 mm – 250 × 90 mm

T-sections

T20 – T140

U-sections

U30 – U65

Round bar

8.0 mm – 200 mm

Square bar

8.0 mm – 100 mm

Other grades and dimensions on request

Conventional steel

Carbon footprint of bar steel


Quantity of CO₂ per ton
of conventional steel

Quantity of CO₂ per
ton green steel

CO₂ savings per
ton of green steel

Percentage of
CO₂ savings

CO₂-reduced

Sectional steel & wide flange beams



Grades

S235JR · S355J2



Products

UNP · IPE · INP
HEB · HEA · HEM



Abmessung

UNP

80 mm – 400 mm

INP

80 mm – 400 mm

HEA

100 mm – 1,000 mm

IPE

80 mm – 600 mm

HEB

100 mm – 1,000 mm

HEM

100 mm – 1,000 mm

Other grades and dimensions on request

Conventional steel



2.21 t

Quantity of CO₂ per ton
of conventional steel

Carbon footprint of sectional steel & wide flange beams



0.7 t

Quantity of CO₂ per
ton green steel



1.51 t

CO₂ savings per
ton of green steel



68 %

Percentage of
CO₂ savings

Sustainability

The core of our value system.



People

Responsibility for people is the focus of our attention. In our day-to-day operations, we implement the highest standards of occupational health and safety. We respect the diversity of people and advocate equal opportunities for them.

Environment

We are actively committed to environmental and climate protection. We are tackling the human challenge of “mitigating climate change” in various projects to avoid emissions in the services process and from energy procurement. In accordance with ambition to be a problem-solver, we also strive to supply our customers with “green steel” as needed.



Society

We have defined our commitment to socially responsible activities and compliance in a code of conduct, binding for all companies and employees in the SPAETER Group. Compliance with the code is constantly monitored and any violations are strictly sanctioned.



YOU CAN FIND
OUT MORE ABOUT
SUSTAINABILITY
ON OUR WEBSITE.

SPAETER Group

Your network for green steel.

The SPAETER Group stands for a comprehensive network in steel trade. Wherever you are, you can order our product range at any of our locations and benefit from sustainable steel of the highest quality. Our 15 sales-companies are present for you throughout Germany to make your projects more sustainable. Put your trust in CARL SPAETER.



ORDER YOUR
GREEN STEEL
AT ONE OF OUR
LOCATIONS NOW.

Give us a call!

Visit us online and find the right
contact person for your enquiry.

www.spaeter.de



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