



Sustainability at ARNOLD

"Blue" is our identity. The concept of sustainability stands at the forefront of our corporate actions.

www.arnold-fastening.com

Sustainability at ARNOLD

Fastening our sights on getting emissions down

All round the world, sustainability is a key topic. Framework conditions agreed at the political level set the targets, for example:

- + Europe: Carbon neutral by 2050
- + Germany: Carbon neutral by 2045
- + China: Carbon neutral by 2060
- + USA: Zero emissions by 2050

All this means that greater demands are placed on business and industry. Companies must take action to ensure that the social targets are met - and to avoid higher financial burdens.

OEMs keeping pace

All the major automotive manufacturers have also defined their own sustainability standards.

- + Setting demanding targets to protect the climate
- + Encouraging transparency in greenhouse gas emissions - throughout the entire value chain.
- + Placing value on sustainable product processes - including their suppliers
- + Calculating the final sustainability account for their products

ARNOLD: The ideal partner

Sustainability is in ARNOLD's DNA, manifesting itself in a variety of ecological, economic and social activities. The ACO₂-Save program means that we can reduce CO₂ output, reduce costs, and improve fastening performance.

Sustainability at ARNOLD: A comprehensive concept

- + Founding member of the WIN Charta - The Business Initiative Sustainability
- + Annual sustainability report
- + Regular climate account
- + Annual climate monitoring under the Global Report Initiative (GRI)
- + Commitment to the principles of the UN Global Compact

What we offer: ACO₂-Save Fasteners for the Future

Development process uses less CO₂

- Fewer unnecessary samples and prototypes with the latest forecasting tools (such as FEM). Cuts the number of potential variants.

CO₂ calculation at the development stage

- When we develop a fastener, we work out its carbon footprint at the same time, using our unique CO₂ calculator.

Innovative ARNOLD fastening technology



- Thread-forming screws replace threaded screws - less production effort, less material required, and lighter.

Alternative ARNOLD production technologies

- Forming technology uses less material than machining.

Innovative fasteners from ARNOLD

- Enabling consistent reductions in size.

Innovative ARNOLD fastening systems



- ARNOLD specialises in joining multi-material mixes, thus reducing the weight of the entire application.

Traditional manufacture



Turned part blank

Volume
25.630 mm³

Weight
69,20 g

Conform® Next



Forming blank

Volume
9.195 mm³

Weight
24,82 g



45 %
less CO₂

An example: ARNOLD Conform® Next

The name Conform® Next stands for high – performance cold-formed parts for use in very many applications, while also making crucial savings in CO₂ and costs.



Find out more

about cold-forming at ARNOLD and the solutions we are developing to cut CO₂ and make the planet a little bit better.

www.arnold-fastening.com

Sustainability and climate protection

Detailed action and reports from ARNOLD

Current sustainability report
with climate protection section



This way to the
sustainability report

Click here



Monitoring emissions
as per CDP



This way to the
CDP report

Click here



Product Carbon Footprint *

for the parts you purchase

ARNOLD Part-No.	Customer Part-No.	Scope 1 Emission (Gramm CO ₂ /Part)	Scope 2 Emission (Gramm CO ₂ /Part)	Scope 3 Emission (Gramm CO ₂ /Part)

CO₂ emissions shown for the parts you purchase have been calculated on the basis of the current corporate carbon footprint, the weight of the individual part concerned, and in accordance with the current scope ratio for CO₂ in 2021.

CO₂ emissions generated under Scope 1 are primarily avoided and continuously reduced through targeted measures.

The power we buy (Scope 2) is identified as energy from regenerative sources under the “Guarantees of Origin” scheme.

* The data presented here were determined using a top-down calculation (deviating from ISO 14067) from the corporate carbon footprint for the year 2021. They only provide a rough estimate of the emissions for the items presented. As the values are dynamic and constantly evolving, they do not represent a guaranteed characteristic.