

# HYDAC INTERNATIONAL

## Accessories

### Mounting solutions for mobile applications



# Your partner for reliable and easy-to-install mounting solutions.

## Standardised and custom mounting technology for mobile machines.

When you need to mount cylinders, accumulators, exhaust systems, tanks, batteries, containers, heat exchangers, thermal management elements and their supply lines (such as pipes, hoses and cables) securely, the product range of HYDAC mounting technology HY-ROS (HYDAC piping clamps) has the right solution for almost any application. We develop custom solutions, but also have standard parts in stock.

HYDAC's in-house engineering, coupled with our multidisciplinary approach and worldwide know-how, guarantees state-of-the-art technology and rapid development times. Thanks to the width and depth of its range of standards, slight modifications and special components and custom solutions, HYDAC Accessories can perfect and optimise your mobile machine.

### • Band straps and band straps with support base

Mount large-size components with all kinds of shapes (round or rectangular), for example air containers, plastic containers, steel and plastic tanks, type-IV tanks, as well as all kinds of accumulators and much more. The band strap with support base is used to mount accumulators, filters, air containers, oil reservoirs, small electric motors, hose and cable bundles and other cylindrical objects. In the modified version, it is especially suitable for high dynamic loads, thermal stresses, changes in diameter and strong force effects. It can also be installed efficiently and quickly, which makes it very easy to use.

### • Clamps to DIN 3015

Mounting supply lines (pipes, hoses and cables) is quick, clean and tidy with HY-ROS mounting clamps, which are available in all sizes directly from stock.

### • Series strips

Used for bundled, tidy, secure and cost-effective laying of parallel pipe, hose and cable groups.

### • Custom solutions

Custom solutions to problems range from modified standard clamps to complex subsystems.

**HY-ROS mounting solutions**  
Everything mounted securely, rapidly, always and everywhere.

- Time-saving
- Economical
- Customer-orientated
- Tolerance-compensating
- Easy to install
- Resistant to high temperatures
- Shock-absorbing
- Vibration-damping
- Sound-absorbing
- Part-protecting
- Defined preload
- Space-saving
- Flame-resistant



# Developed in-house from the coil to the complete band strap. From the granulate to the complete clamp.

We supply custom solutions. Engineering, production and professional advice from a single source.

- Interdisciplinary development, with very direct communication channels and constant contact between the pillars of development, production and customer.
- Rapid sample production and delivery possible at any time
- Standard goods available from stock
- Individual product development according to customer specification
- Fully automated production

## 1 Band strap – 1000 possibilities, thanks to various:

- Materials
- Surfaces
- Closures
- Attachments
- Sizes/thicknesses/widths
- Designs
- Support bases

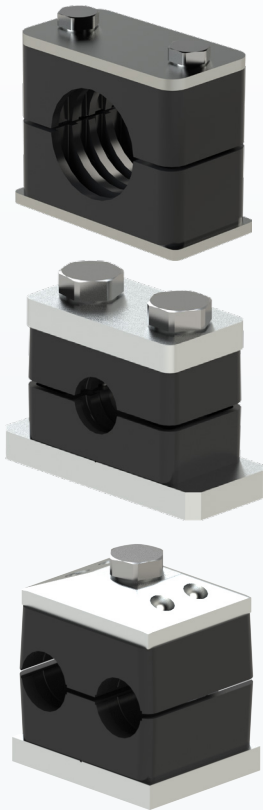
**DIN3015**  
Standard portfolio available from stock



# Mounting solutions for pipes, cables, hoses and components.

## Our standard solutions

Full supplier  
DIN 3015



### Space-optimised installation



### Advantages

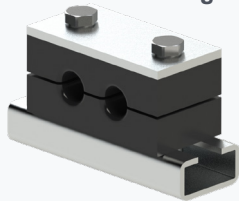
#### Clamps

- Mounting simplified
- Mounting time optimised
- Countless variants of diameter and length
- Space optimisation
- Damping of vibrations
- Reduction in oscillations
- Metal 3D printing
- Rapid model construction for samples and series
- Rapid prototyping
- DIN 3016 and DIN 3017 available

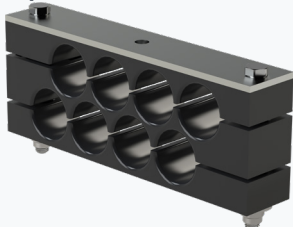
#### Band straps

- Hinged quick release fastener
- System solution with support base
- Integration of all kinds of attachments
- Flexibility thanks to individual design of the band straps
- Various materials for any application
- Insulation from electrostatic and noise damping thanks to plastic or rubber inserts
- Tolerance compensation thanks to inserts and closure system
- Space optimisations
- Certified to IATF 16949
- Fully automated production
- Rapid sample production

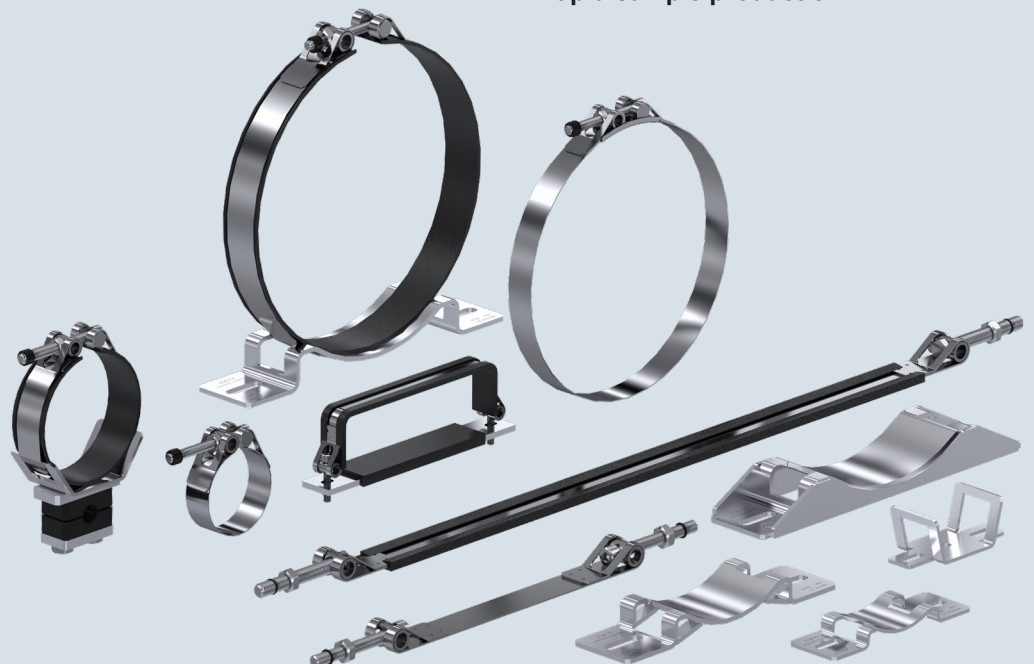
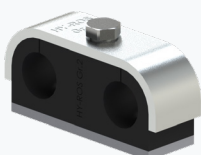
Flexible on mounting rail



Space-optimised series strips



Noise- and vibration-optimised



# Your partner for all mounting solutions – from the prototype to series production!

## Our proceeding to optimised custom solutions

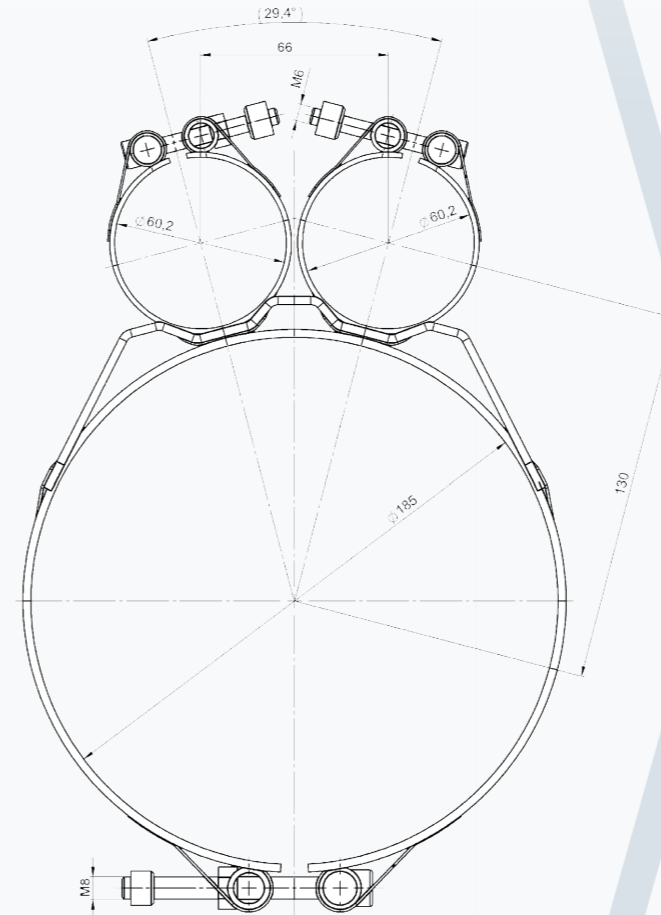
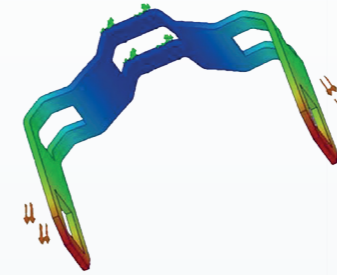
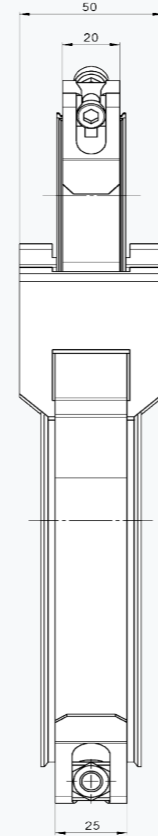
### The approach with the customer

- Problem analysis with customer
- Brainstorming
- Possible solutions
- Defining initial variants



### Discover, analyse, draft prototypes, taking all criteria into account, up to series production – in constant communication with our customers.

- Costs
- Installation time
- Requirements
- Vision
- Strategy
- Modules



### To the finished product – which we produce competitively in series for you.



### Already implemented, application-related, cost- and installation-optimised solutions, including solutions for:

- Type I–III tanks (compressed air container for brakes, CNG gas tanks, etc.)
- Type IV tanks for hydrogen (H<sub>2</sub>)
- Cylinders
- Tanks (diesel particle filters, SCR, catalytic converters, diesel, LPG, water, Ad Blue)
- Piston, bladder, diaphragm accumulators
- Cables, pipes, hoses
- Object mounts (batteries, fire extinguishers, coolers and much more)
- Mounts for heat shield / stone chipping protection

# Mounting solutions for the climate-neutral mobility of the future.

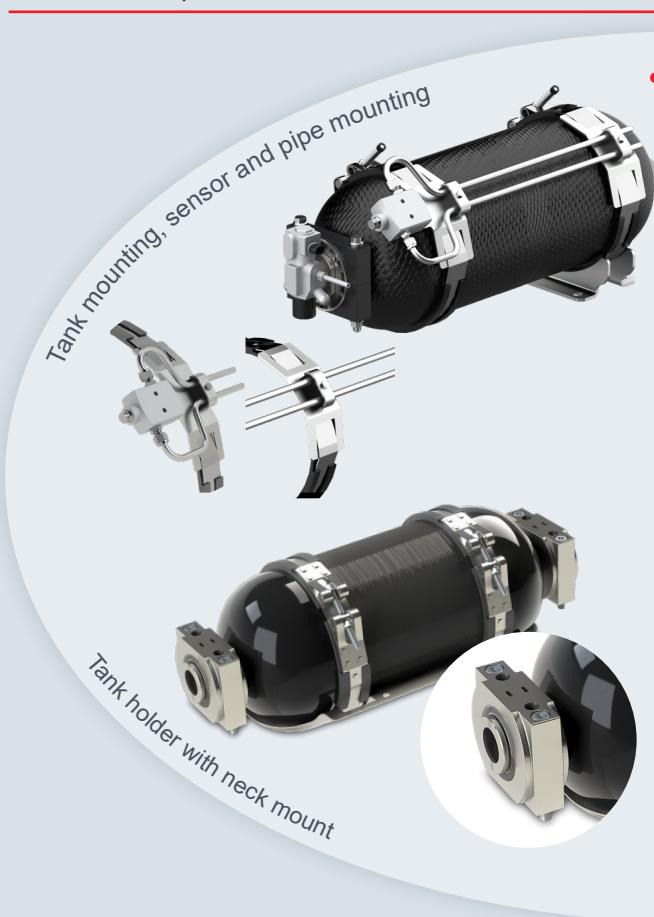
We support you all the way

## Modular system for mounting type-IV tanks

The right solution for any application or installation type.

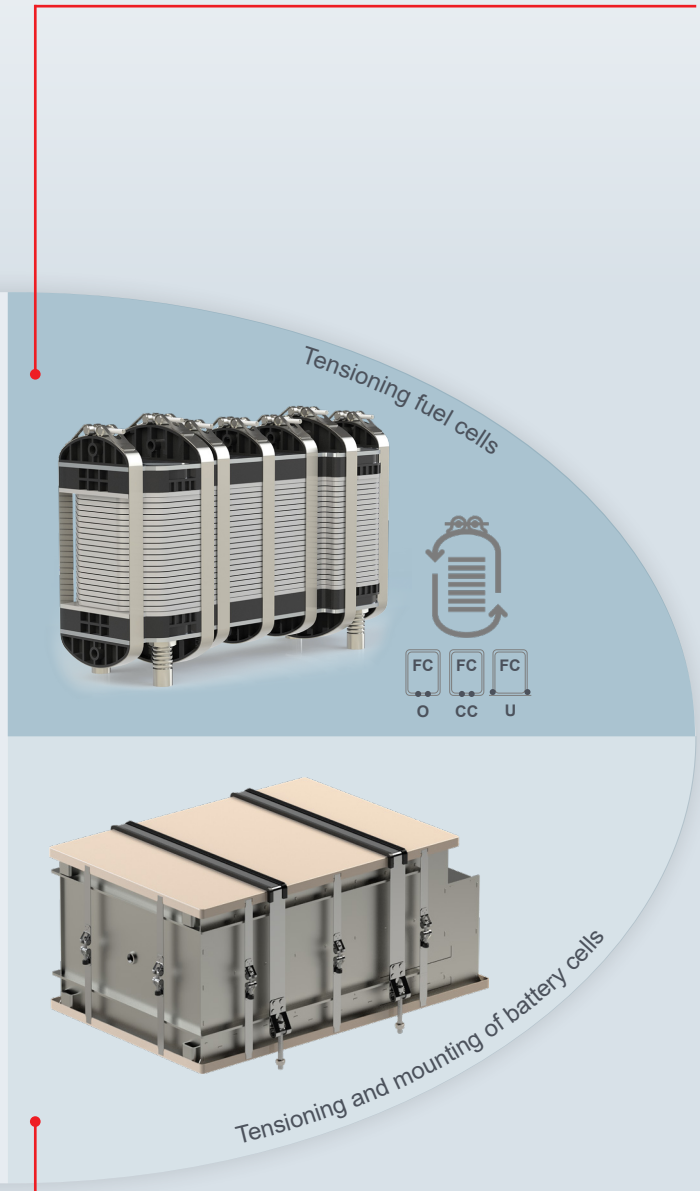
Bottle size and diameter (200–750 mm)

- **Installation sites**
- **Installation types**  
Vertical, horizontal, upright, on side, suspended, etc.
- **Vehicle types**  
Lorries, buses, vans, agricultural machinery, municipal vehicles, construction machines, material handlers, snow groomers, marine, rail vehicles, planes



## Tensioning fuel cells

- Flexible preload to compensate for effects
- Homogeneous force distribution
- Various connections
- Minimal space requirements and weight



## Tensioning battery cells

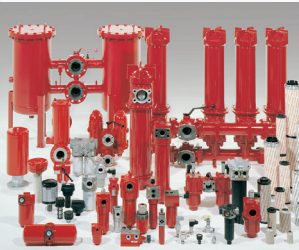
- Tensioning of cells
- Closure of battery system
- Secure attachment to the vehicle body



With years of experience as a supplier for the automotive industry, we have optimised our installation solutions to the fullest extent possible – ready for the e-mobility and H<sub>2</sub>-mobility of the future.



Accumulators 30,000



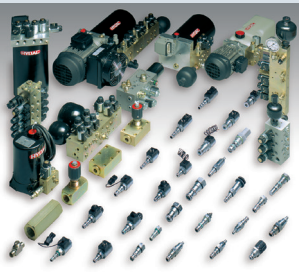
Filter Technology 70,000



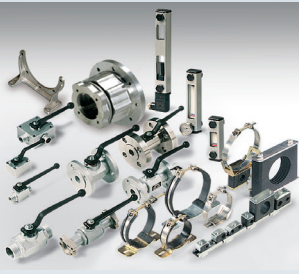
Process Technology 77,000



Filter Systems 79,000



Compact Hydraulics 53,000



Accessories 61,000

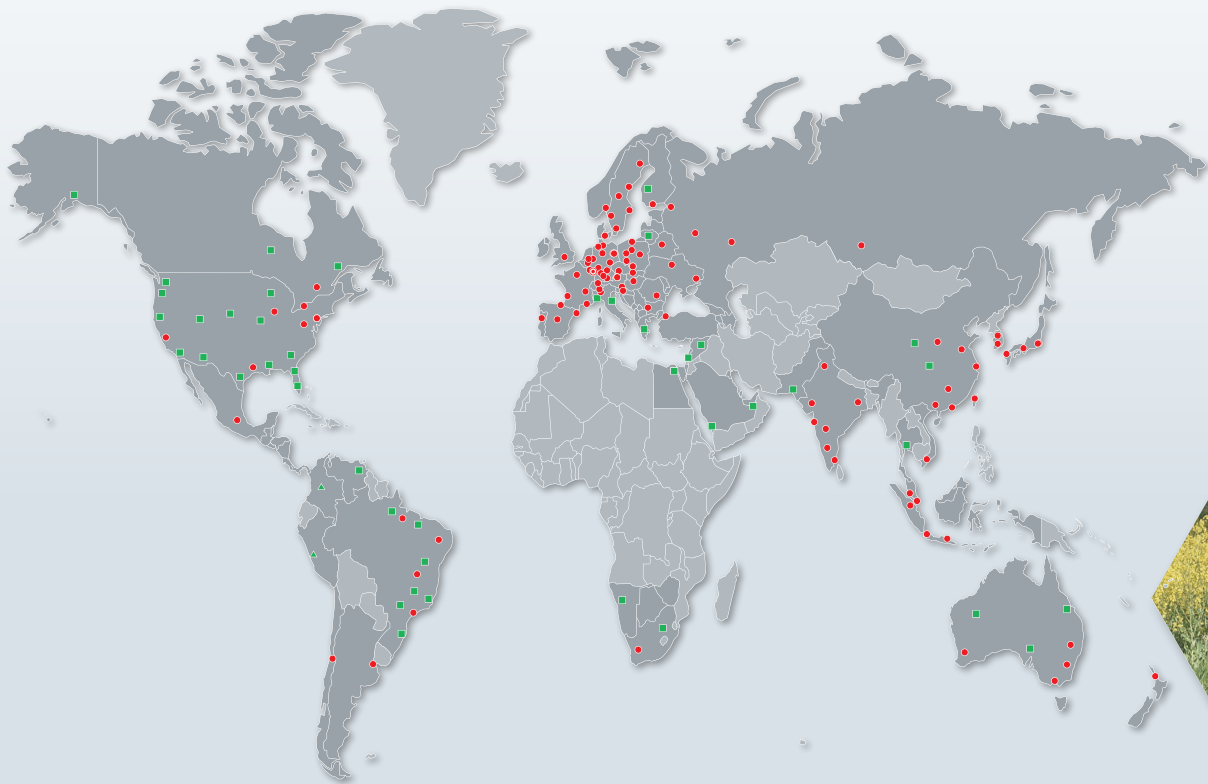


Electronics 180,000



Cooling Systems 57,000

**Global Presence.  
Local Expertise.  
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-  HYDAC Companies
-  HYDAC Sales and Service Partners
-  Free Sales Partners

## **HYDAC** INTERNATIONAL

**HYDAC ACCESSORIES  
GMBH**

Hirschbachstraße 2  
66280 Sulzbach/Saar  
Germany

Tel.: +49 6897 509-01  
E-mail: [accessories@hydac.com](mailto:accessories@hydac.com)

[www.hydac.com](http://www.hydac.com)

### **Note**

The information in this brochure relates to the operating conditions and applications described. For applications and/or operating conditions not described, please contact the relevant technical department.

Subject to technical modifications.