Goals achieved safely and speedily with HYDAC ACCESSORIES
Your partner for expertise in rail technology.

With over 8,000 employees worldwide, HYDAC is one of the leading suppliers of fluid technology, hydraulic and electronic equipment. With numerous products and solutions, it has a presence in nearly all sectors.

We have been active in the rail technology sector for decades, working with our customers as a development partner from the outset.

HYDAC products are used in countless rail vehicles worldwide:
- complete systems and components for hydraulics, lubrication, cooling
- and mounting solutions for pipes, cables, hoses and components.

Expertise
You can capitalise on our many years of experience and our application knowledge.

Capacity and availability
thanks to in-house development and production.

System solutions.
One supplier.
One contact.

Global presence – local expertise.

With over 45 overseas subsidiaries and more than 500 sales and service partners, HYDAC is your reliable partner worldwide.

Wherever you need us, we are there to help you find the most effective solution.

For every application – from components to a complete system.

Worldwide specifications and approvals.

NOTE
The information in this brochure relates to the operating conditions and applications described. For applications and operating conditions not described, please contact the proper HYDAC department. All technical details are subject to change without notice.
HYDAC ACCESSORIES
All from one supplier

Single-source producer and supplier for accessory components.
In-house development capacity, interdisciplinary transfer of expertise among all HYDAC companies, minimised distances between development, production and sales. Rapid access to an extensive product range thanks to intelligent warehousing and lean logistics. Individual product development and adjustment to customer specification.

Current range:

- HY-ROS mounting technology
  - HY-ROS mounts for pipes, hoses, cables and components
  - Mounting technology to DIN 3015 for pipes
  - Hose, cable and component mounts in accordance with individual requirements
    - Buegu clamps
    - Series strips
    - Quick release swivel bolt clamps
    - Swivel bolt clamping bands
    - Combinations

- HYDAC ball valves for shut-off and change-over without leakage
  - Block-type, sleeve-type and manifold mounted ball valves
  - Change-over ball valves
  - Multi-way ball valves
  - DIN, ANSI, SAE, ISO flanges
  - High pressure, low pressure
  - Isolator sandwich plates
  - el./pneum. drives

- Coaxial valves for open and closed-loop control
  - 2/2-way, 3/2-way
  - Direct acting, pilot operated
  - Modular series
  - Special valves
  - Pressure relief valves
  - Piston control valves

- Fluid level gauges/fluid level sensors for easy recording, visualisation and control of the relevant fluid level values in a tank
  - Lengths from 76 mm to 1000 mm
  - FSA, standard
  - FSA with side inspection window
  - FSK, standard
  - FSK with 2 switching points
  - FSK with variable switching points
  - Numerous options regarding inspection window, pipe, form, additions, etc.

- Accessories for traction, damping and tanks...
  - Bell housings with flexible pump mounting and oil/air cooler
  - Flexible and rigid bell housings
  - Bell housing accessories
  - Tank set
  - Flexible drive (spider) and gear couplings
Mounting equipment for all pipes, cables, hoses, components, sensors...

Series strip with tension spring
Balances out pipe and cable differences

Swivel bolt band clamp
Mounting large-volume components

Swivel bolt clamping bands
Mounting large-volume components of any form

System mount
Customised design for laying supply lines of all kinds

Clip clamp
Pre-assembly via clip connection for parallel supply lines

Combinations
Customised mounting solutions for cable groups, pipes and hoses

Block clamps to DIN 3015
Mounting supply lines

Mount on cylinder
Mounting lines to the cylinder without welding

Application examples
Part for part, one step ahead: HY-ROS mounting technology

- Shock-absorbing
- Vibration-damping
- Sound-absorbing
- Gentle component mounting
- Space requirements minimised
- Simple installation
- Expertise garnered through 50 years of experience at international level
- In-house development – in-house production
- Materials compliant with international fire protection standards
- Weight-optimised
- Wide range of variants and combination options
- Additional safety for standard clamps according to DIN3015 thanks to use of embossed welding plates and non-rotating M6 support-rail nuts

AccuMount

Suitable mountings for your accumulator can be found on our homepage under Service → Online Tools

Applications: wheelsets, braking systems, bogies, vehicle transitions, buffers, coupling, tilting equipment, fire-extinguishing systems and much more

Buegu clamps for mounting small lines in engine area

Gentle cable mounting via series strips with elastomer insert

Special shaping of DIN3015 clamps to hold corrugated pipes (e.g. type PMA)

Under-floor installation of supply lines with HY-ROS system mounts
Systematic fire protection

Fire protection is a crucial factor for safety in rail vehicles. Accordingly, very complex requirements apply for fire protection. In practice this means that the materials used need to fulfil various test procedures and approval criteria to verify that effective fire protection is provided. HYDAC’s product range therefore includes clamps and mounting solutions made from special plastics (PAFF) and elastomers (TPEFF). These materials have been tested to the former national standard and the current European standard.

- EN 45545-2
- DIN 5510-2
- BS 6853
- UNI CEI 11170-2
- UL 94-V0

Components, assemblies and system solutions for rail vehicles = manufacture, sales and expert advice all from one supplier =

- Space requirements optimised
- Fire protection, e.g. EN 45545
- Noise reduction
- Optimised mounting

Swivel bolt band clamps to mount the buffer covering

Air reservoirs holding compressed air for sprinkler systems mounted with HY-ROS clamping bands

Compressed-air frame, underfloor: receivers mounted with swivel bolt band clamps, pipework mounted with standard DIN 3015 clamps.

Orderly pipe installation using series strips

Fire extinguishers mounted and aligned by means of pivoting console clamps

Compressed-cable routing with double-pipe clamps to DIN3015 in surface-mounting version

HRGKSM with fire retardant underlay acc. to EN 45545 HL3

Applications: wheelsets, braking systems, bogies, vehicle transitions, buffers, couplings, drive technology, lavatory systems, sanding, air-conditioning equipment,
Valves and accessories

**Fluid level gauges and sensors for mounting on the outside of tanks**

**Ball valves with position monitoring**

**Low-pressure ball valves**

**Direct acting coaxial valves**

**Multi-way ball valves**

**Pneumatic or electrical drives for automated ball valve change-over**

**Standard ball valve with DKO port and change-over wing handle**

**Application examples**