

# PRODUCT OVERVIEW

## HYDRA® PIPE SUPPORTS



### HYDRA Spring Hangers And Spring Supports

Spring hangers and spring supports are mobile pipe supports whose load-carrying behaviour changes linearly. The hanger travel changes proportional to the load carried. Spring hangers are less expensive than constant hangers and are used where the vertical motion to be absorbed is moderate (max. 60 mm).

#### Details

- The kinking-resistant dimensioning of the springs prevents undesired lateral forces on the spring plate
- Load can be set easily by simply rotating the turnbuckle
- The locking can be changed later on in any position
- No wear – no need for spare parts



### HYDRA Constant Hangers And Constant Supports

HYDRA constant hangers and constant supports are mobile pipe supports with a constant bearing behaviour. The bearing load stays basically constant over the entire hanger travel. More sophisticated in design than spring hangers, this type of device is needed where major vertical motions need to be absorbed (from 60 mm and more) or load deviations must not be exceeded.

#### Details

- Constant force at the load application point due to a well-adjusted lever mechanism
- Optimised lever dimensions for a constant carrying load over the entire adjustment range
- Full preservation of overtravel safety margins of the hanger even after readjustment of the load



### HYDRA Bearings Programme

Floating, movable, and fixed bearings for industrial pipeline construction.

#### Details

- Easy planning and selection based on standard series' with guaranteed properties, low installation heights, easy installation, adapted corrosion protection, and absolutely no need for maintenance
- Temperature range up to 650 °C
- Versions with three different fixed overall heights and three different height adjustment ranges are available
- For clamping on T and/or L supports



### HYDRA Connecting Elements And Clamps

The connecting elements are used to affix the hangers between the load-bearing steel construction and the clamps as pipe-enveloping components. They are classified according to our hanger system and by load group.

All clamps are dimensioned appropriately such that they can be used with spring hangers, constant hangers, and connecting elements even at 2.5x overload without any permanent deformation, including at operating temperature.

HYDRA horizontal clamps are used as brackets for horizontal pipes. HYDRA vertical clamps are used as brackets for vertical pipes.



### HYDRA Dynamic Components And Sway Struts

Our programme of dynamic components serves to control dynamic loads on safety-relevant pipelines and delicate plant components.

#### Details

- The hydraulic sway suppressors are used to compensate for dynamic loads or influences such as earthquakes or wind loads.
- Articulated struts are push-pull elements and are mainly used to reduce dynamic loads.



### FLEXPORTE® – The Design Software

Special-designed for designers, "FLEXPORTE" is a PC software for dimensioning and presenting expansion joints, metal bellows, metal hoses, and pipe supports. The menu-based application aids in the calculation and dimensioning of these products.

For more details, please visit [www.flexperte.de](http://www.flexperte.de)

#### Details

- Intuitive operation
- Tailor-made design even of complex load chains
- Rohr2, CaesarII, PDMS and PDS interfaces
- Available free of charge – download from our homepage