



Hangers and supports

Our product range includes Hydra spring hangers and spring supports, constant hangers and constant supports as well as accessories including pipe clamps to form complete load assemblies. They can carry loads of up to 500 kN and have nominal displacements of up to 60 mm (spring hangers) or 500 mm (constant hangers). Advantages:

- Reliable carrying behaviour thanks to pre-relaxed springs, safe dimensioning and low friction bedding of the rotating parts using high performance PTFE composite bearings.
- Completely maintenance free thanks to permanent surface protection of all steel parts and springs; the bearings of the rotating components are also protected against corrosion.
- Function of standard series tested and approved using suitability tests involving dynamic long-term loading and static overload tests carried out by VGB and TÜV (Technical Control Board of Germany).



Fixed, moveable and roller bearings

Our range of bearings for pipes includes all types required for safe positioning and guidance of supported pipelines. Advantages:

- Simple to plan and select thanks to standard series with guaranteed features, low installation heights, simple to fit, suitable corrosion protection and absolutely maintenance free.
- HYDRA roller bearings permanently provide extremely low friction resistance ($\mu \approx 0.05$) thanks to the optimized bedding of the rollers and a patented axle securing system with a stainless steel stop collar.
- The patented anti-lift device for double cylinder and double cone roller bearings prevent the pipe lifting when the pipes undergo uncontrolled vertical or horizontal movements.



Clampable bearings

This series of bearings is supplemented by a new series of easy to fit bearings which have been developed in co-operation with the chemical industry. This series provides moveable, roller and fixed bearings with clamp fittings which can be fitted in no time at all; a number of patents underline its novelty. It includes bearings for insulated and non-insulated pipelines with nominal diameters between DN 25 and DN 300 which can be adapted for support diameters between 80 and 300 mm.





Dynamic components

Dynamic components serve to control dynamic load on pipelines and sensitive system components relevant to safety. This range includes articulated struts, clamps and hinged blocks up to a maximum load of 350 kN. Articulated struts arranged in pairs to form a V-shape result in very compact pipeline guides which do not fail even in the case of vibrating or dynamic loads or earthquakes.



Service

Tailor-made solutions are not only a result of our high performance products but also a result of competent advice. It starts with support during the planning phase and selection of the optimal products, includes detailed summaries of entire load assemblies and goes as far as specific support on site when arranging and setting hangers and supports within the pipeline system.

Our load assembly program CASCADE, which provides optimal support during planning, is available free of charge. For more information click www.flexperte.com or www.witzenmann.com



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