fischer

Installation systems.

Your strong partner for innovative and flexible systems.

For the reliable fixing of pipes ventilation systems and cable systems.

The technical requirements placed upon building services, engineering, and thus on fixing systems are increasing. fischer installation systems provide safe, cost-effective mounting and fixing elements for diverse applications in building services engineering. Fixing solutions made from zinc-plated, hot-dip galvanised and stainless steel are suitable for light, medium-weight and heavy piping systems.

The product range consists of mounting channel systems, pipe clamps, fix points, sliding elements, ventilation fixings, fixings for steel construction elements, and an extensive range of accessories. Suitability certificates as per VdS, FM and UL as well as fire protection and sound protection reports guarantee added safety.

»A strong partner for innovative and flexible systems – always on your side with our all-around service.«

Integrated solutions from the fixing and installation system specialists:

- Fixing technologies and installation systems from fischer experts from a single source
- Consulting hotline with technical experts for competent and quick support
- Training and professional expertise from fischer technicians
- Personal, highly qualified advising on the construction site

Construction site support:

- Continuous support throughout the entire term of construction
- Delivery of pre-assembled, multiple fixations and mounting channels cut to length to shorten assembly time
- "Just in time" site delivery
- Detailed preparation with static proofs based on assembly and workshop planning
- Provision of construction site containers(material containers) for optimal supply on site

Planning phase:

- Support from the draft to the finished installation
- Custom planning of the fixing concept, in consideration of structural circumstances and fire protection requirements
- Preparation of professional texts for the service specifications
- Processing of 2D and 3D design plans
- Cost calculations for fixing technology
- Fast and flexible BIM integration with MagiCAD

fischer channel systems.
For modular, simple construction of heavy installations.

fischer massive channel system FMS:

- Efficient fixing solution for heavy-duty installations
- Weight-optimised profile geometries to reduce material costs
- Simple assembly without cutting and welding
- Hot dip galvanised for additional corrosion protection

fischer universal channel system FUS:

- The push-through system for quick and efficient installation
- Galvanised, hot-dip galvanised, and stainless-steel ranges available
- Suitable for medium-duty applications
- With or without fire protection requirements

fischer light channel system FLS:

- Pre-assembled design elements for fast assembly
- Quick and efficient fixing
- For lightweight pipes, ventilation ducts or cable racks
- With or without fire protection requirements

CONNECTORS

SPRINKLER CLAMPS

REFRIGERATION CLAMPS

PIPE CLAMP

UBOLT

BEAM CLAMPS

CANTILEVER ARMS

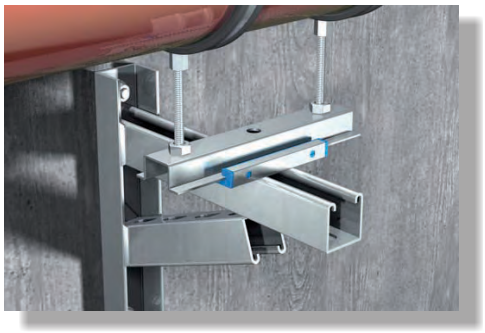
CHANNEL SYSTEM

THREADED ROD ACCESSORIES

Product solutions with example.

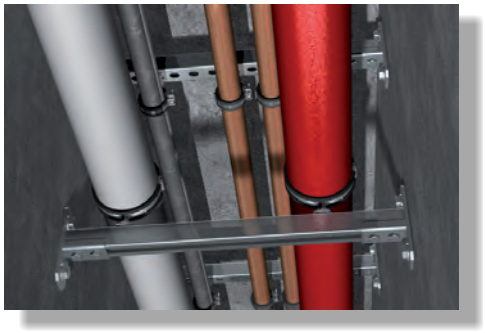
Installation shaft with FUS channel system

- Through the distinctive interlocking of the channels for the channel nuts FCN Clix P or PFCN, the FUSchannel system provides a secure grip for handling high shear loads.
- Also the first choice for pipe line routes due to the greater stability.



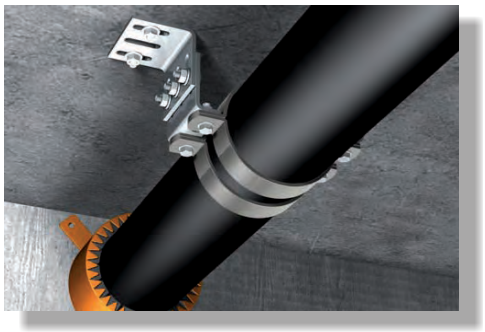
Cantilevers for different load ranges

- With centred load (load case 1), the load rangeof the brackets is between 0.33 kN (33 kg) and7.5 kN (750 kg)
- Lightweight cantilevers in the FLS system: ALKMedium cantilevers in the FUS system: FCAMassive cantilevers in the FUS system: FCAM



Telescopic flanging for flexible wall connection

- Through its design, the telescope flange for connection to the MS channel is ideal for use in confined installation spaces, such as narrow corridors or installation ducts and shafts.
- MS installation system: TSF telescope flange



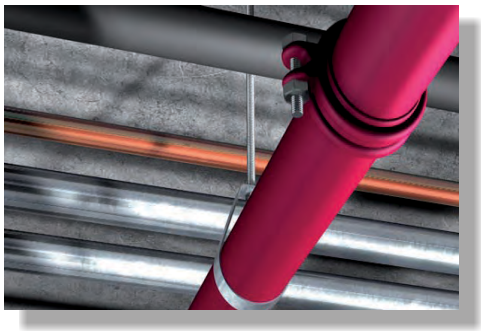
Fix points and sliding components

- Sound insulation requirements for fix points: FSFP anchor point For all standard cases: FFPS fix point with FFPK Fixing ensures controlled movement in one direction: Sliding elements (see instructions on this under Elongation).
- See chapter on anchors and sliding elements.

Refrigerant pipe clamp with integrated steel bracket

- Different requirements for insulating layer thicknesses and the prevention of condensation are the basic requirements for a refrigerant pipe clamp.
- The KFT refrigerant pipe clamp allows neat bonding for insulating layer thicknesses of up to 30 mm, 40 mm or 60 mm.

Product solutions with example.

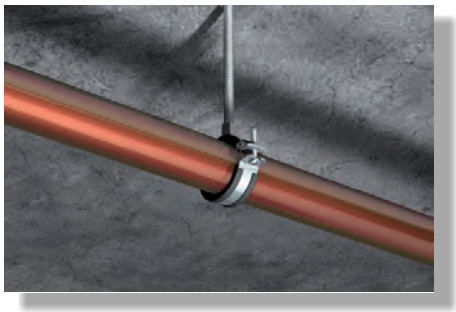


Sprinkler loop with VdS and FM approval

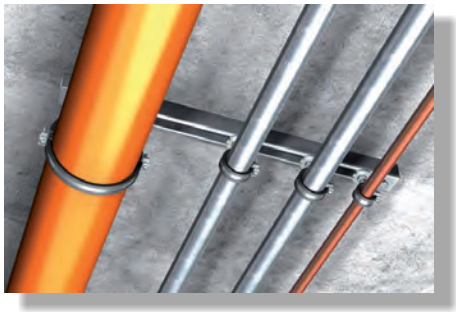
- Sprinkler systems are created according to the requirements of property insurers. The association of property insurers, VdS and FM global, testing products and give approvals for installation in water extinguishing systems.The FRSL and FRSP sprinkler clamp are approved sprinkler loops.
- See also Mounting sprinkler installations.

Channel connection - which loads are relevant?

- In the design of supports or similar components for mounting pipe installations, the load of the connecting element, such as a hammer-head screw (e. g. FHS Clix S) or channel nut (e. g. FCN Clix P) is decisive for the connection with a angle bracket, for example. The load information is shown for one element, but can be doubled when using two elements. (see example left side).

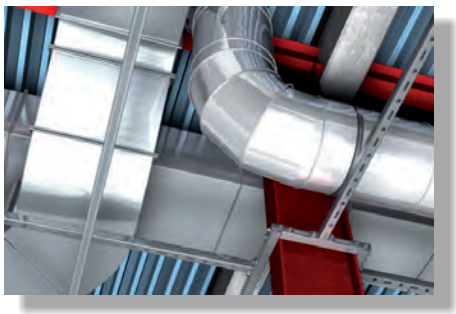


Single pipe fixing



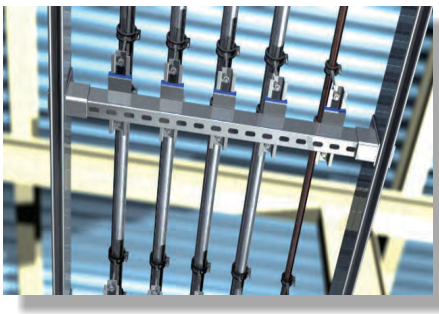
Multiple suspended pipelines

3D-Fram racks



Air duct installation

Cable trays and electrical equipment



Installation grid for production facilities

fischer Service

Our 360°-Service for you

- From software solution to training to personal advising. As a reliable partner, we are glad to provide you with advice and assistance at any time.

INSTALL-
FIX

FIXPERIENCE, dimensioning software

- The fischer FIXPERIENCE dimensioning software supports you as a planner, structural engineer or tradesman to safely and reliably complete measurements for your projects. Measuring has never been so easy!

Professional
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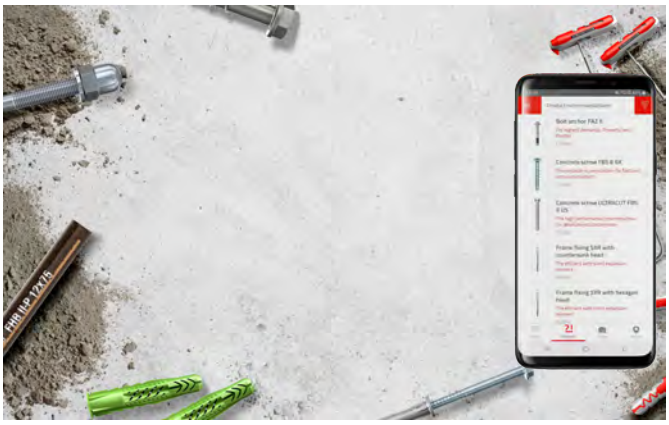

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