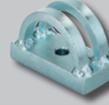


Related products at a glance.

Product	Art.-No.		Sales unit [pcs]	Product	Art.-No.		Sales unit [pcs]
 FVS 3	505549	for FUS 62 + FUS 62 D profile	8	 VM M 12	020971	M 12	100
FVS 4	505550	for FUS 62 + FUS 62 D profile	5	 SPS M 12	064090	M 12	25
 FUS 62/ 2,5 - 6 m	504457	6000 mm	1	 BLR 100	064091	M 12	25
 FUS 62D/ 2,5 - 6 m	504460	6000 mm	1	 TKR 124	504367	62 D Profile	10
 FUF OC 62	504518	400 mm	10	 UHRS	063938		6
 HK 41 12,5	504354		50	 FHS CLIX S 12 x 30	020969	M 12	50
 G 12/3	064056	3000 mm	5	 FEC 62 B	505551	Polyethylene, black	100
 MU M 12	024650	Thread M 12	100	 FCN Clix P 12	504331	M 12	100
 U 12 x 40	024649		100	 FCN 12	077411	M 12	100

Note: The colour design of channels and construction elements according to RAL colours through powder coating is available on request.

More information about products and assortments you will find in our comprehensive main catalogue or most actual in our product online catalogue on www.fischer.de

fischer FIXPERIENCE. The new design and information software suite.



- The new modular design program includes engineering software and application modules.
- The software is based on international design standards (ETAG 001 and EC2, such as EC1, EC3 and EC5), including the national application documents. All common force and measurement units are available.
- Incorrect input will be recognized and the software gives tips to get a correct result. This ensures a safe and reliable design every time.
- The graphical display can easily be rotated through 360°, panned, tilted or zoomed as required.
- The 3 D display gives a detailed and realistic image.
- The "live update" feature helps to keep the program up to date ensuring you are always working with the latest version.
- Free download and updates at www.fischer.de/fixperience-en

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- Competence and innovation through own research, development and production.
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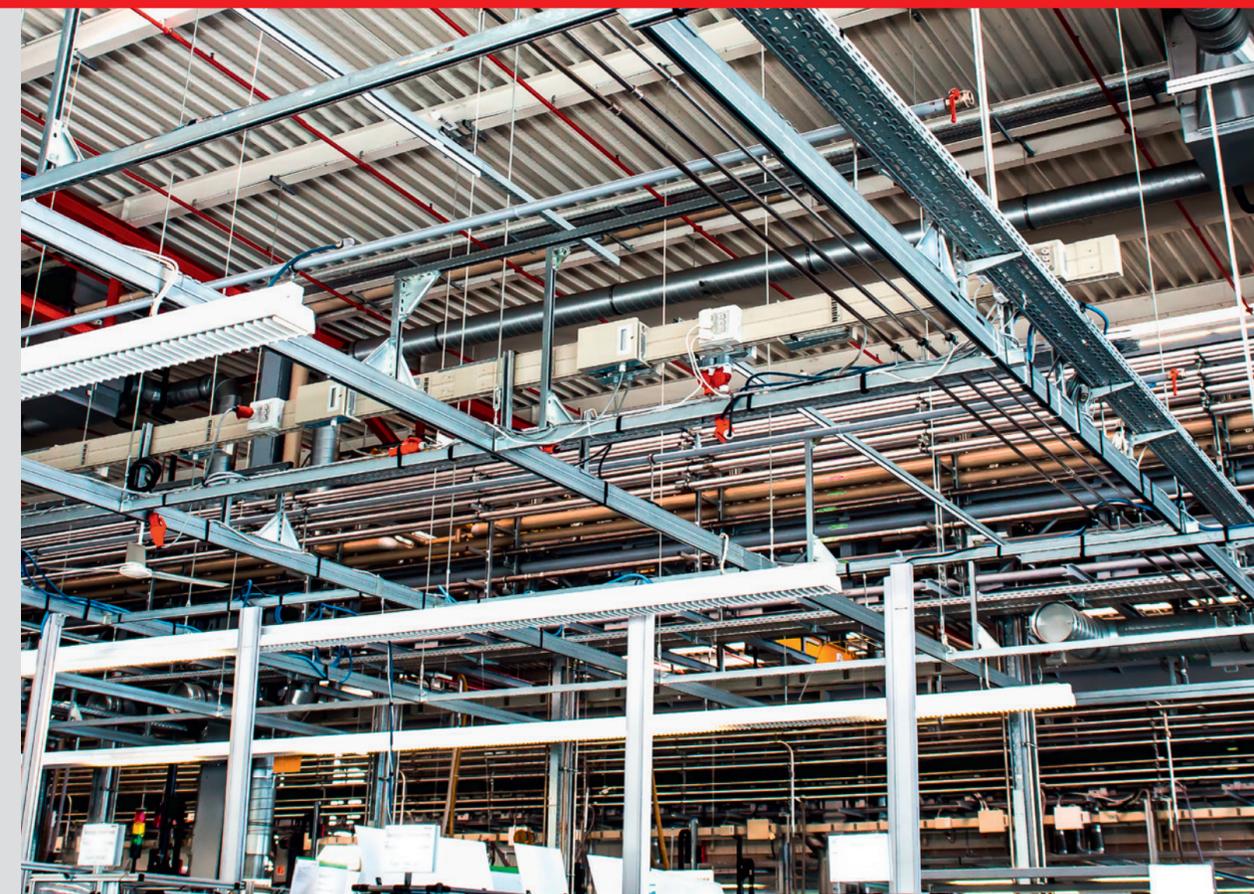
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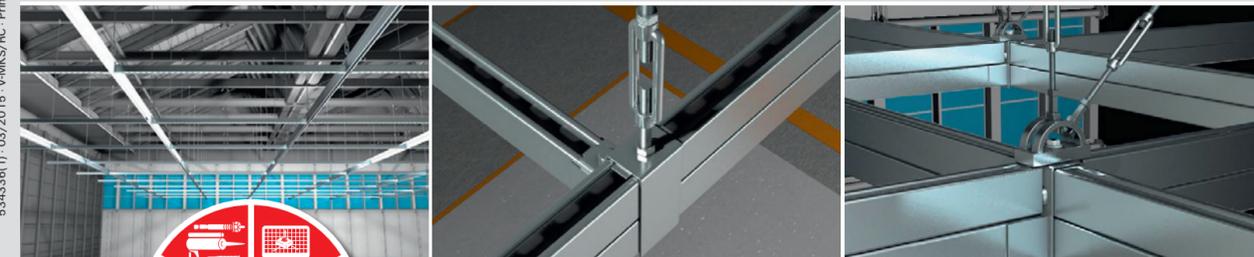
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fischer SaMontec Installation grid

Unlimited flexibility



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fischer Installation grid – great flexibility every time and everywhere.

Flexible support structure for utilities distribution.

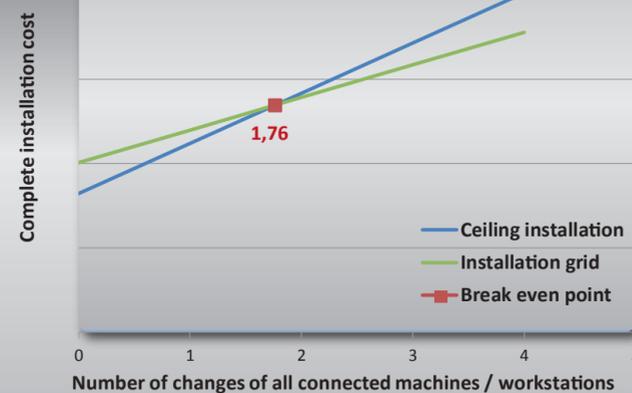
All round availability for the installation of service and supply.

Planing of factories today

- Today in the planning of factories, manufacturing plants or similar buildings, the life cycle of the structure is taken into consideration at the planning process. In industrial manufacturing, the trend is moving towards shorter production cycles. Flexible and convertible installations are necessary in the factory of the future.
- The fischer installation grid allows for problem free modification and repositioning. This also supports concepts such as Plug & Produce, Synergetic Factory Planning and In-Service Factory Planning.
- Due to its versitility and architectural orientation, the installation grid is an effective and flexible solution.
- In general, the ability of a building to be easily converted by optimising business processes and factory equipment is the recipe for success. An investment in new buildings is more likely to be made if the life expectancy is high and the building complies with the requirements for the expected life cycles.

Calculation of profability for a manufacturing plant throughout the life cycle

Ceiling installation contra installation grid



Criteria for the installation shown in the diagram:

- Distance for the grid 2.5 x 2.5 m
- 3 medium pipes per machine/ workstation
- Location of the installation grid between halfway up. Floor and ceiling (i.e., the vertical connection height for ceiling installation is twice as high as for the installation grid).



Possible installations to service the production level:

- Pipes for ventilation, heating, cooling and water
- Conductor lines and cable trays for electric cables, data lines, etc.
- Media pipelines for machines or work stations:
 - compressed air
 - technical gases
 - exhaust air
 - fluids
- Lamps, light bands
- Overhead heating
- Noise reduction elements
- Suspended ceilings

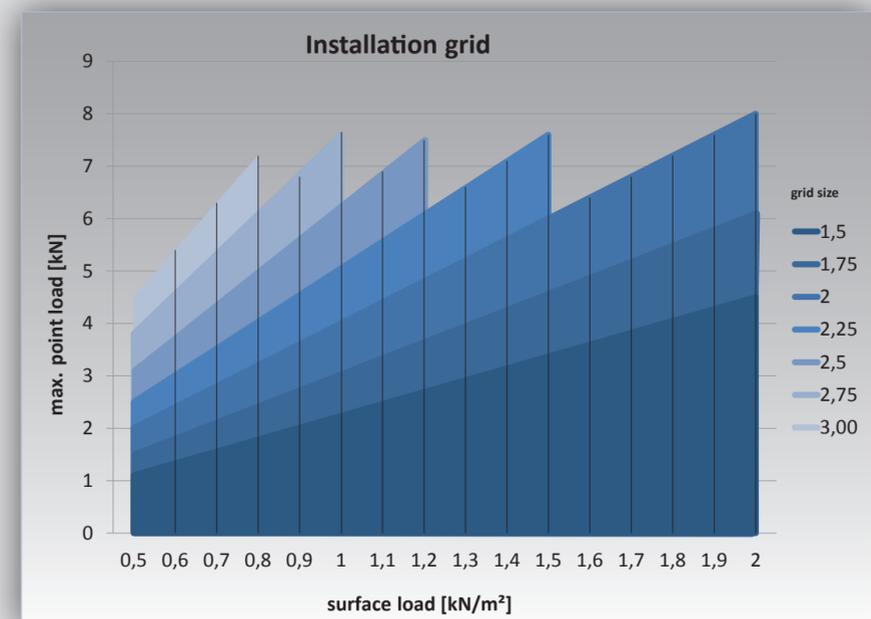
Reduced transformation process cost

- The re-equipment over the life cycle is an indicator of the efficiency of the installation grid (s. diagram left). Even with less than two position changes of the connected machines / workstations, the installation grid shows its superiority.
- This means that despite the higher investment for the fischer installation grid the transformation process cost are significantly reduced, and thus the total cost over the life cycle.

Other advantages of the installation grid are:

- Energy efficiency** through shorter paths and hydraulic optimization with ring supplies in all media by its proximity to the workstation.
- High flexibility and adaptability** in the production area for the workstations and machine locations.
- Shortest planning and transformation time** by standardized arrangement of the installations.
- Reduction of conversion cost** by minimal installation- and assembly cost.
- Visually appealing design** by individual arrangement and clarity of the installed media and other installations.
- Clear times and cost** for retrofit installation of the grid through modular construction.

Selection of grid size based on the surface loads



The point load on the installation grid is limited to max. 8 kN per mounting point (with cross connector FVS).

Application examples

