

Applications.

Push-through installation

Installation duct pipelines



e. g. angle bracket PWK

- Simple and stiff frame constructions with FUS-channels and angle brackets.

Installation shaft pipelines



e. g. universal bracket PUWS

- Flexible and stiff frame constructions with universal brackets.

Vertical pipes, single layer



e. g. bracket PFFF

- Adjustable positioning of riser pipes with flat angle brackets.

Horizontal installation



e. g. saddle flange PSF

- Simple horizontal constructions in corridors with saddle flanges.

Installation grid



e. g. channel connector PFUF OC

- Secure connection of channels for installation grids with channel connectors.

Cantilever for pipes



e. g. bracket PFAF

- Flexible cantilever constructions for pipe lines with flat angle brackets.

Sub frame construction for pipes



e. g. bracket PFUF

- Simple and secure cross connection with hat connector.

Massiv bracing of cantilever arm



e. g. variable bracket PVB

- Variable angular positioning of profile support with the variable bracket.

fischer FIXPERIENCE. The design and information software suite.



- The 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 3D 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

Our service to you.



We are available to you at any time as a reliable partner to offer technical support and advice:

- Our products range from chemical resin systems to steel anchors through to nylon anchors.
- Competence and innovation through own research, development and production.
- Global presence and active sales service in over 100 countries.
- Qualified technical consulting for economical and compliant fastening solutions. Also on-site at the construction site if requested.
- Training sessions, some with accreditation, at your premises or at the fischer ACADEMY.
- Design and construction software for demanding applications.

This is what fischer stands for.



FIXING SYSTEMS



AUTOMOTIVE SYSTEMS



FISHERTECHNIK



CONSULTING

See the extensive main catalogue or visit our website at www.fischer.de for information about the complete fischer range

534206(2) - 01/2017 - V-MKS/ST - Printed in Germany - Subject to technical modifications



fischer FUS Push-through system

Push, turn, ready!
The clever installation.



fischerwerke GmbH & Co. KG
Klaus-Fischer-Straße 1 · 72178 Waldachtal
Germany
Tel. +49 7443 12-0 · Fax +49 7443 12-4220
www.fischer.de · info@fischer.de

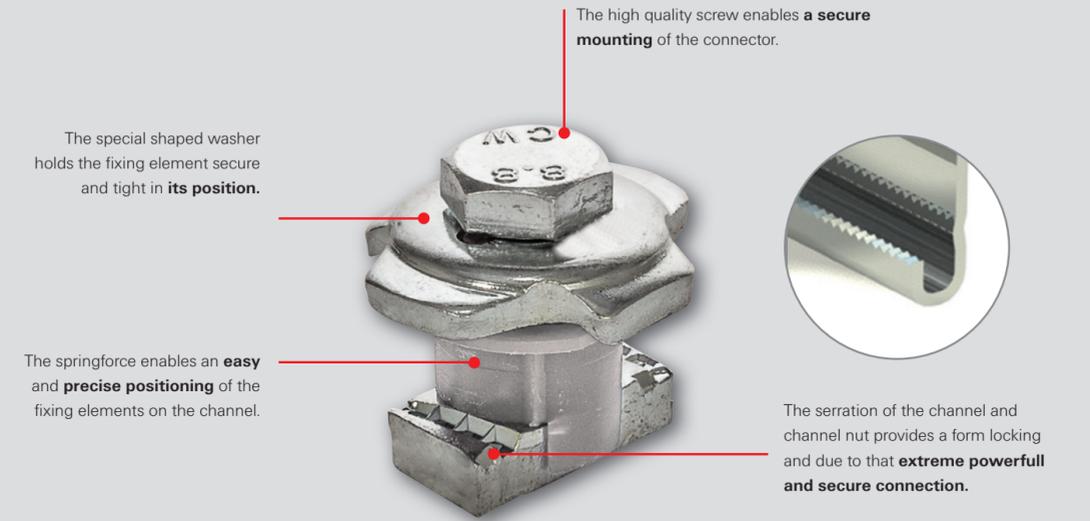
fischer 
innovative solutions

fischer 
innovative solutions

The fastest and most simple connection for FUS channel systems.

A most variable system: Fast and easy to assemble.

Range and loads.



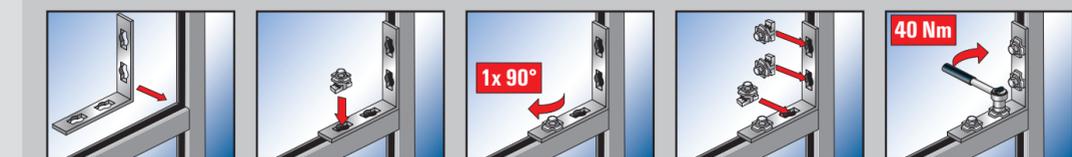
Function

- Place the construction element on the channel.
- Push the connector through the hole in the element. Premount by turning the connctor by 90°, if necessary push the connector for adjustment.
- Secure the construction by tightening of the hexagonal screw.

Your benefits at a glance

- The smart construction combines screw, washer, channel nut and spring in one unit.
- The push through connector is compatible with all FUS channels and due to that most variably applicable.
- The spring effect enables a handy positioning and adjustment of the connector.
- The form locking serration between channel and channel nut enables high shear loads and hence a secure connection.
- The comfortable push through principal saves time and assembly costs - even when dismantling.

Mounting



Channels

FUS 21 D / FUS21 Channels

FUS 41 D / FUS41 Channels

FUS 62 D / FUS62 Channels

+

PFCN 41 Push-through connector

+

Construction elements

PUWS Universal bracket

PWK Angle bracket

PSF Saddle flange

PFAF Bracket

PFUF Bracket

PFUF OC Channel connector

PFFF Bracket

PSAE Brace element and PU washer

PFUF 3D and 4D Bracket

PVB Variable bracket

Item	Art.-No.	Length [m]	Sales unit [pcs]
FUS 21/2,0 - 2 m Channel	040391	2	1
FUS 21/2,0 - 3 m Channel	097660	3	1
FUS 21/2,5 - 2 m Channel	092867	2	1
FUS 21/2,5 - 3 m Channel	077349	3	1
FUS 21/2,5 - 6 m Channel	077541	6	1
FUS 41/2,0 - 2 m Channel	040390	2	1
FUS 41/2,0 - 3 m Channel	097658	3	1
FUS 41/2,0 - 6 m Channel	097659	6	1

Item	Art.-No.	Length [m]	Sales unit [pcs]
FUS 41/2,5 - 2 m Channel	092295	2	1
FUS 41/2,5 - 3 m Channel	077347	3	1
FUS 41/2,5 - 6 m Channel	077537	6	1
FUS 62/2,5 - 6 m Channel	504457	6	1
FUS 21D/2,0 - 3 m Channel	504458	3	1
FUS 21D/2,0 - 6 m Channel	535531	6	1
FUS 41D/2,5 - 6 m Channel	504459	6	1
FUS 62D/2,5 - 6 m Channel	504460	6	1

Item	Art.-No.	Sales unit [pcs]
PFCN 41 Push-through connector	533739	50
PUWS 2x2/135° Universal bracket	533731	10
PUWS 2x2 Universal bracket	533733	10
PUWS 4x4 Universal bracket	533734	8
PFAF 2 Bracket	533735	25
PFAF 3 Bracket	533736	25
PFAF 4 Mounting bracket	535267	25
PFAF 4/135 Bracket	533737	20
PSFQ 41 Saddle flange across	535266	10
PSF 41 Saddle flange	533740	10
PSF 82 Saddle flange	533741	5
PSF 124 Saddle flange	533742	5
PWK 200/200 Angle bracket	533744	15

Item	Art.-No.	Sales unit [pcs]
PFFF 2L Bracket	533745	20
PFFF 4L Bracket	535268	25
PVB Variable bracket	534960	5
PSAE 300 Brace element	535269	10
PSAE 500 Brace element	535270	10
PU 10,5 Washer	535271	50
PU 12,5 Washer	535272	50
PFUF 41 Bracket	533738	25
PFUF OC Channel connector	533743	6
PFUF 3DL Bracket	535273	10
PFUF 3DR Bracket	535274	10
PFUF 4D Bracket	535275	10

Loads					
Item	Art.-No.	Max. recommended tension load for FUS 2,0mm N _{rec} [kN]	Max. recommended tension load for FUS 2,5mm N _{rec} [kN]	Max. recommended shear load V _{rec} [kN]	Tightening torque for screw grade ≥ 8.8 T _{rec} [Nm]
PFCN 41 Push-through connector	533739	5.0	7.0	3.5	40

Please note: Load values are based on the push-through connector PFCN 41.