

The universal and complete mounting channel system for a wide range of applications



APPROVALS



ADVANTAGES/BENEFITS

- The fire inspection report in line with MLAR/EN13501 guarantees independently tested functional safety.
- The basic channel geometry allows the usage of the complete extensive range of accessories.
- The stamped teeth in the channel give the sliding nuts a secure hold for high shear loads, e.g. for vertical installation.
- Different channel wall thicknesses allow economical choices for installation.
- The scale on the mounting channels simplifies the cutting and positioning of the fixtures during the installation.

APPLICATIONS

- Secure horizontal and vertical installations
- Fast and efficient fixing of pipelines and supporting structures

PROPERTIES

- Material: steel S250 GD (material no. 1.0242) acc. to DIN EN 10346
- Zinc plating: sendzimir-galvanised, app. 20 µm

TECHNICAL DATA



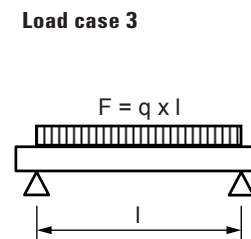
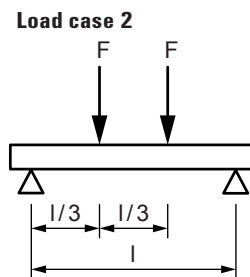
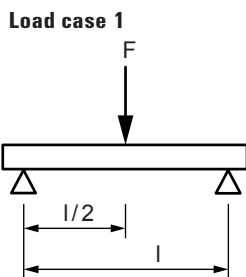
Channel FUS

Article name	Art.-No.	Fire test report	Length l [mm]	Thickness s [mm]	Sales unit [pcs]
FUS 21/2,0 - 2 m	040391		2000	2	1
FUS 21/2,0 - 3 m	097660		3000	2	1
FUS 21/2,5 - 2 m	092867		2000	2,5	1
FUS 21/2,5 - 3 m	077349		3000	2,5	1

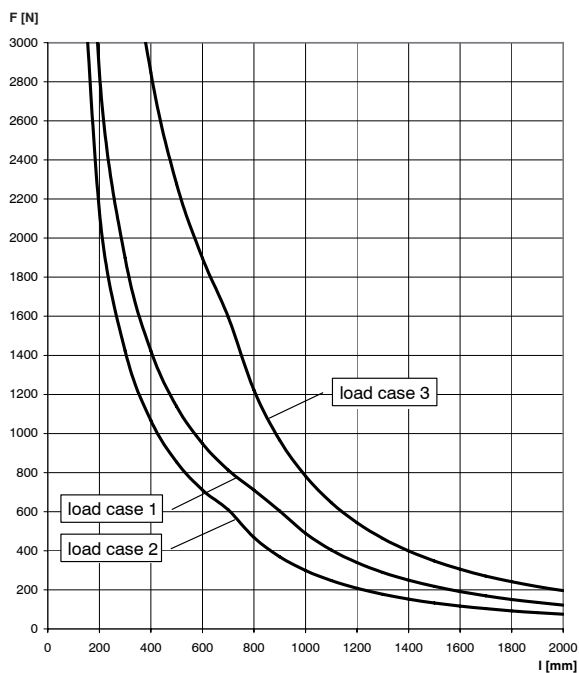
Article name	Art.-No.	Fire test report	Length l [mm]	Thickness s [mm]	Sales unit [pcs]
FUS 21/2,5 - 6 m	077541		6000	2,5	1
FUS 41/2,0 - 2 m	040390		2000	2	1
FUS 41/2,0 - 3 m	097658		3000	2	1
FUS 41/2,0 - 6 m	097659		6000	2	1
FUS 41/2,5 - 2 m	092295	X	2000	2,5	1
FUS 41/2,5 - 3 m	077347	X	3000	2,5	1
FUS 41/2,5 - 6 m	077537	X	6000	2,5	1
FUS 62/2,5 - 6 m	504457	X	6000	2,5	1
FUS 21D/2,0 - 3 m	504458		3000	2	1
FUS 41D/2,5 - 6 m	504459		6000	2,5	1
FUS 62D/2,5 - 6 m	504460		6000	2,5	1

LOADS

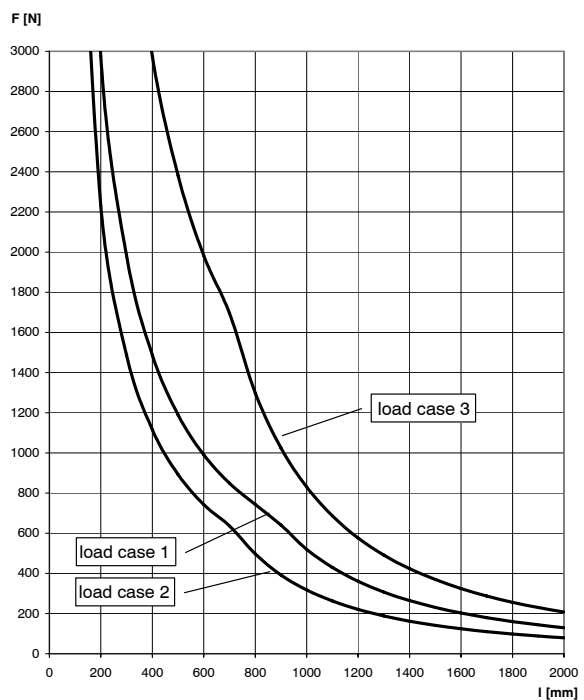
Item	Art.-No.	Profil weight [kg/m]	Profile cross section [cm ²]	Moment of inertia I_y [cm ⁴]	Moment of inertia I_z [cm ⁴]	Section modulus W_y [cm ³]	Section modulus W_z [cm ³]	Max. recommended static load for 1m length	Max. recommended static load for 2m length	Max. recommended static load for 3m length
								F_{rec} [kN]	F_{rec} [kN]	F_{rec} [kN]
FUS 21/2,0 - 2 m	040391	1.44	1.72	0.97	4.66	0.89	2.27	0.49	0.12	0.05
FUS 21/2,0 - 3 m	097660	1.44	1.72	0.97	4.66	0.89	2.27	0.49	0.12	0.05
FUS 21/2,5 - 2 m	092867	1.67	1.99	1.03	5.28	0.93	2.58	0.52	0.13	0.06
FUS 21/2,5 - 3 m	077349	1.67	1.99	1.03	5.28	0.93	2.58	0.52	0.13	0.06
FUS 21/2,5 - 6 m	077541	1.67	1.99	1.03	5.28	0.93	2.58	0.52	0.13	0.06
FUS 41/2,0 - 2 m	040390	2.06	2.52	5.33	7.69	2.58	3.75	1.65	0.67	0.30
FUS 41/2,0 - 3 m	097658	2.06	2.52	5.33	7.69	2.58	3.75	1.65	0.67	0.30
FUS 41/2,0 - 6 m	097659	2.06	2.52	5.33	7.69	2.58	3.75	1.65	0.67	0.30
FUS 41/2,5 - 2 m	092295	2.45	3.00	6.00	8.99	2.85	4.38	1.82	0.76	0.34
FUS 41/2,5 - 3 m	077347	2.45	3.00	6.00	8.99	2.85	4.38	1.82	0.76	0.34
FUS 41/2,5 - 6 m	077537	2.45	3.00	6.00	8.99	2.85	4.38	1.82	0.76	0.34
FUS 62/2,5 - 6 m	504457	3.27	4.05	17.70	12.90	5.62	6.29	3.59	1.79	0.99
FUS 21D/2,0 - 3 m	504458	2.87	3.44	5.49	9.31	2.61	4.54	1.67	0.69	0.31
FUS 41D/2,5 - 6 m	504459	4.89	6.00	1.03	17.90	8.76	8.78	5.60	2.79	1.85
FUS 62D/2,5 - 6 m	504460	6.55	8.09	111.00	25.80	17.90	12.58	11.45	5.72	3.80



FUS 21 / 2.0

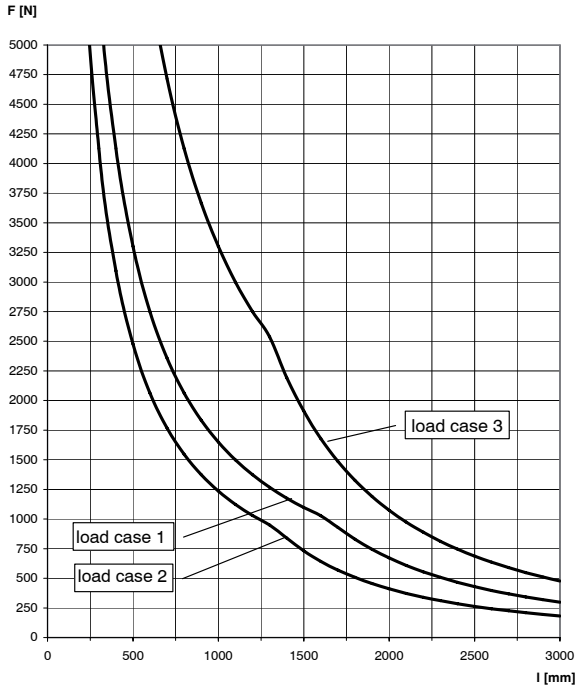


FUS 21 / 2.5

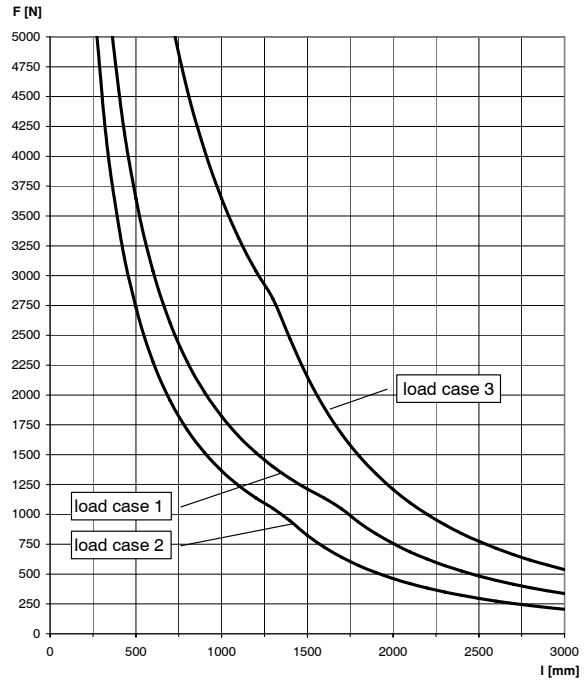


For the load curves, the permissible steel strain $\delta_{adm.} = 160 \text{ N/mm}$ and the maximum deflection under load $l/200$ are not exceeded. Fixings and screw fastenings must be calculated accordingly.

FUS 41 / 2.0

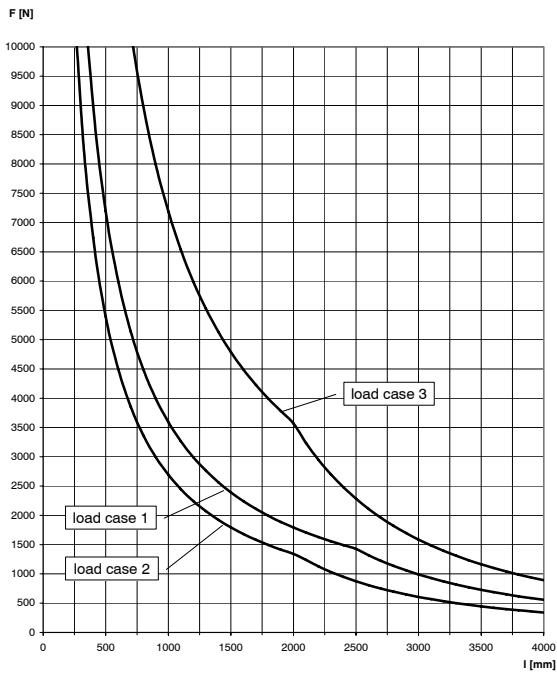


FUS 41 / 2.5

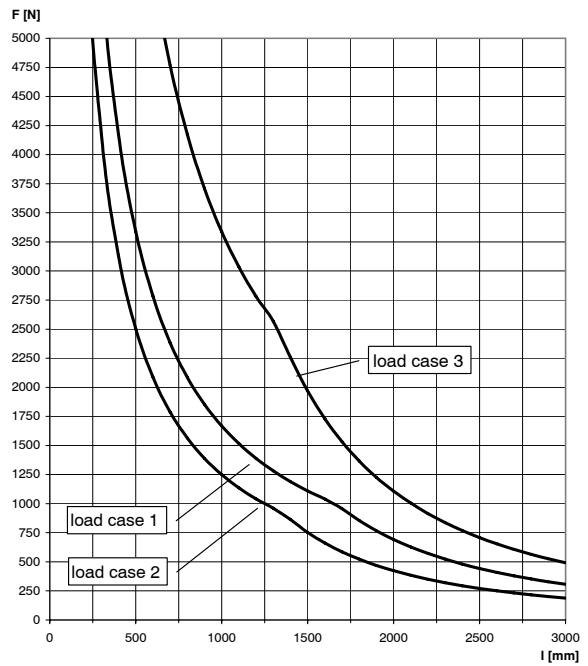


For the load curves, the permissible steel strain $\delta_{adm.} = 160$ N/mm and the maximum deflection under load $l/200$ are not exceeded. Fixings and screw fastenings must be calculated accordingly.

FUS 62 / 2.5

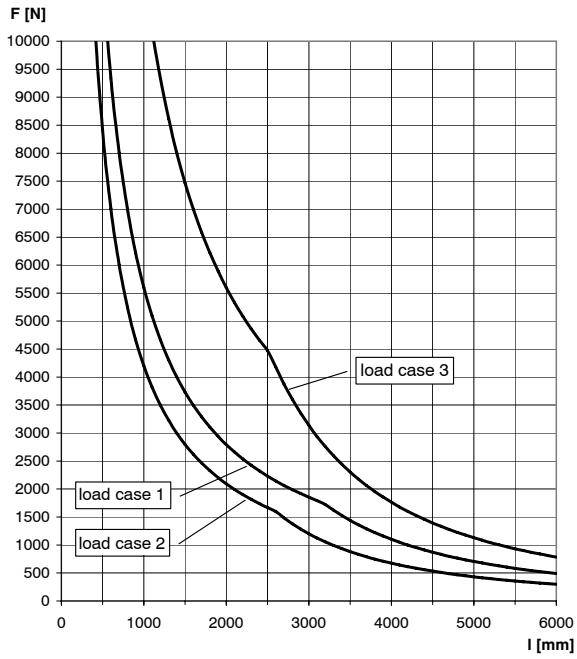


FUS 21D / 2.0

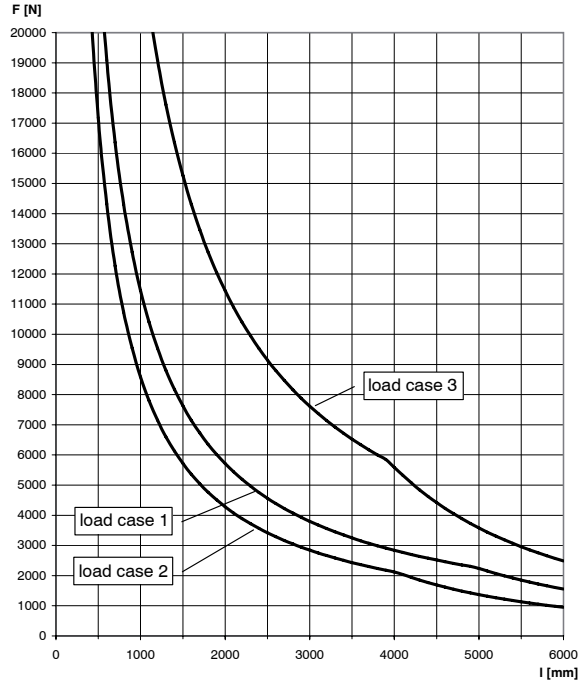


For the load curves, the permissible steel strain $\delta_{adm.} = 160$ N/mm and the maximum deflection under load $l/200$ are not exceeded. Fixings and screw fastenings must be calculated accordingly.

FUS 41D / 2.5



FUS 62D / 2.5



For the load curves, the permissible steel strain $\delta_{adm.} = 160 \text{ N/mm}$ and the maximum deflection under load $l/200$ are not exceeded. Fixings and screw fastenings must be calculated accordingly.