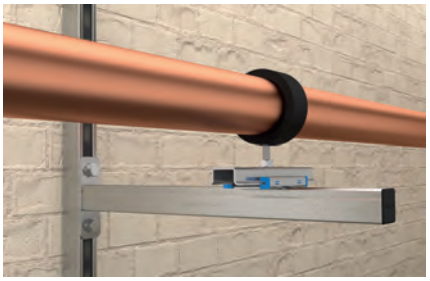
Cantilever arm FCA hdg.

Hot-dip galvanised FUS profiles with welded base plate for direct mounting on the base material



Refrigerant pipe clamp on sliding element

Heavy pipe on cantilever

Applications

- Quick and easy installation of pipelines, for example, along the wall
- For indoor and outdoor applications and in environments with high stress to components due to corrosion

Certificates

Fire resistance classification R120

MLAR R30

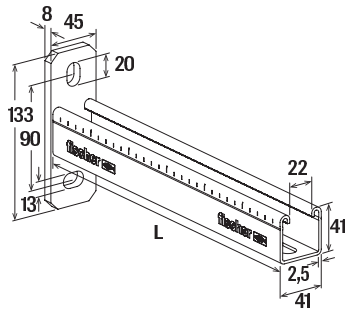
Advantages/benefits

- The fire inspection report in line with MLAR/EN13501 guarantees indipendently tested functional safety.
- The graduated range of lengths allows for an ideal adaptation to the application.
- The arms solid base plate offers a secure hold for load-bearing construction.
- The base plate's long slots, which are at 90° to one another, allow the arm to be easily aligned.
- The stamped teeth in the channel give the sliding nuts a secure hold for high shear loads, e.g. for vertical installation.
- The surface coating creates a high corrosion protection against environmental influences like humidity, water, saltwater or other corrosive substances.

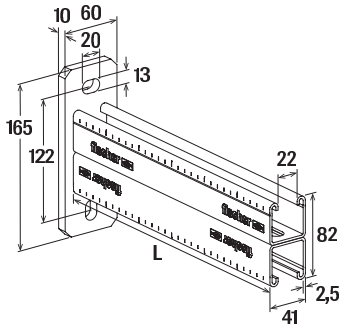
Properties

- Material: steel S235 JR (material no.10037) acc. to DIN EN 10025
- Zinc plating: hot-dip galvanised, min. 45 µm, acc. to DIN EN ISO 1461

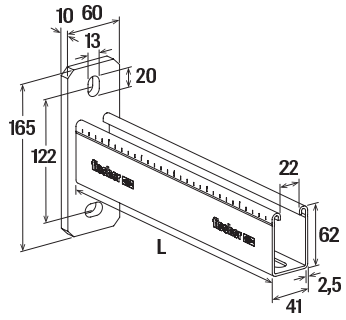
Technical data



FCA 41



FCA 41D



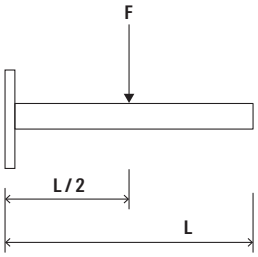
FCA 62

Item	Item No.	Fire test report	Profile	Length L [mm]	Sales unit [pcs]
FCA 41 - 300 hdg.	**517411**	X	41/2,5	300	1
FCA 41 - 450 hdg.	**517412**	X	41/2,5	450	1
FCA 41 - 600 hdg.	**517413**	X	41/2,5	600	1
FCA 41 - 750 hdg.	**517414**	X	41/2,5	750	1
FCA 62 - 1000 hdg.	**538015**	X	62/2,5	1000	1
FCA 41D - 750 hdg.	**538016**	–	41D/2,5	750	1
FCA 41D - 1000 hdg.	**538017**	–	41D/2,5	1000	1

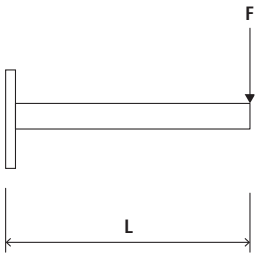
Loads

Item	Item No.	Max. recommended static load load case 1 F_{rec} [kN]	Max. recommended static load load case 2 F_{rec} [kN]	Max. recommended static load load case 3 F_{rec} [kN]
FCA 41 - 300 hdg.	**517411**	1.8	0.9	1.8
FCA 41 - 450 hdg.	**517412**	1.2	0.6	1.2
FCA 41 - 600 hdg.	**517413**	0.9	0.45	0.9
FCA 41 - 750 hdg.	**517414**	0.72	0.36	0.72
FCA 62 - 1000 hdg.	**538015**	1.25	0.62	1.25
FCA 41D - 750 hdg.	**538016**	2.5	1.25	2.5
FCA 41D - 1000 hdg.	**538017**	1.9	0.93	1.9

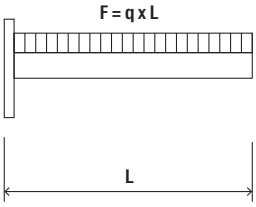
Load case 1



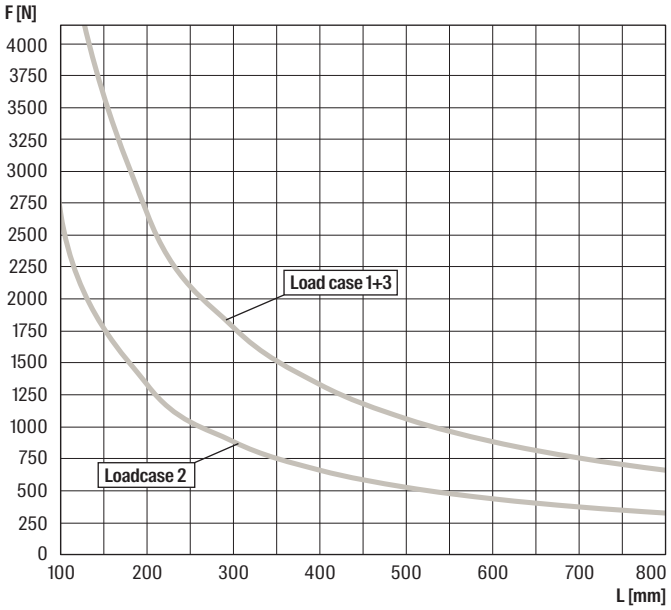
Load case 2



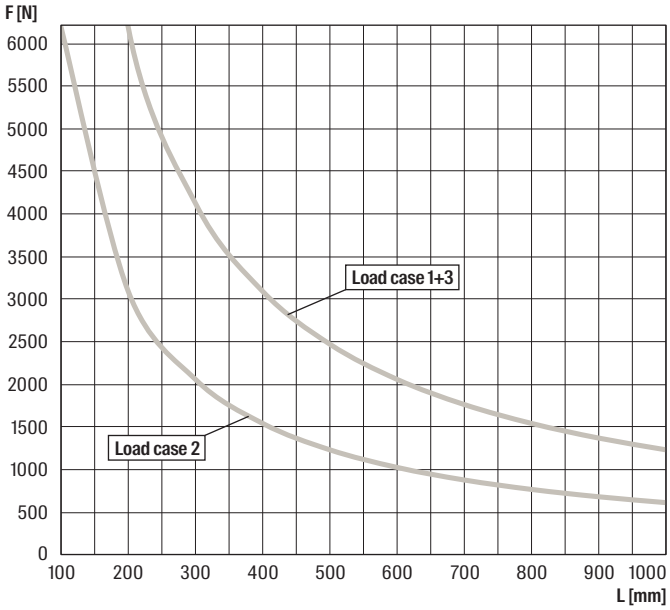
Load case 3



FCA 41



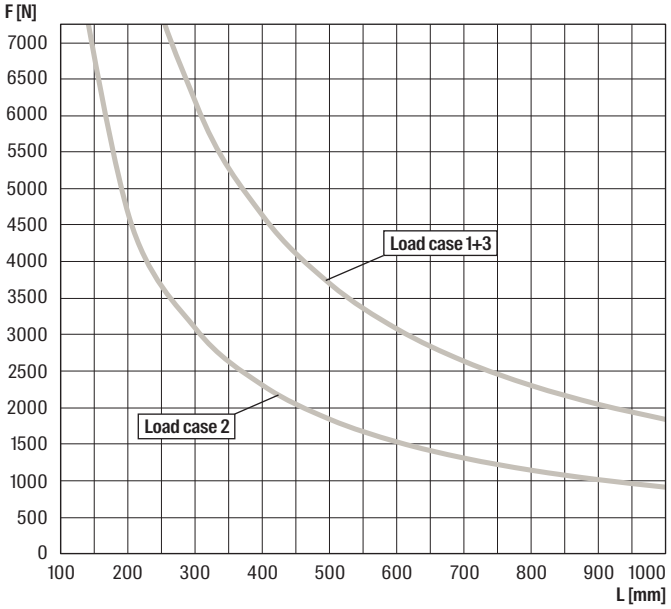
FCA 62



3a

For the load curves, the permissible steel strain $\delta_{adm.}$ = 160 N/mm and the maximum deflection under load L/150 are not exceeded. Load values of the cantilever arms under consideration of the load capacity of the base plate. Fixings and screw fastenings must be calculated accordingly.

FCA 41D



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