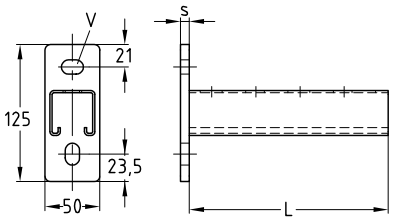
MPR-Wall hanger brackets

Field of application

- Ideal as cantilever support structure of multisection pipeways
- Applicable as cantilever bracket for air ducts
- Applicable in combination with saddle support and channel support brackets as a cross-beam for pipe attachments in shafts and ducts
- Solid wall bracket for valves and equipment
- For indoor and outdoor use



Advantages

- The strong base plate ensures a high load carrying capacity
- Elongated- and cross-hole for flexible attachment to the building structure
- Variety of lengths covers all construction requirements
- Clean-cut appearance by the use of MPR-Protection caps

Profile	Length L [mm]	Material	**Part no.**	Sales unit	Pack unit	Dimensions [mm]	
						s	V
41/41/2.0	160	V4A	**154435**	1	pieces	8	13.5 x 20
	240		**154436**				
	320		**154437**				
	400		**154438**				
	480		**154439**				
	560		**154440**				
	640		**154441**				

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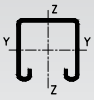
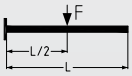
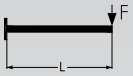
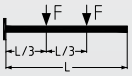
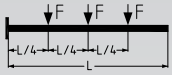
Technical data of brackets:

Profile	Base plate			Support channel	
	Dimensions H x W x D [mm]	Material	Admissible steel stress $\sigma_{adm.}$ [N/mm²]	Material	Admissible steel stress $\sigma_{adm.}$ [N/mm²]
41/41/2.0	125 x 50 x 8	V4A	143	V4A	149

Load bearing capacities of brackets for bending around the y-axis:

Profile	Base plate $M_{max.}$ [Nmm]	Length L [mm]				
			Max. allowable load [N]			
41/41/2.0	242,069	160	3,025	1,512	1,512	1,008
		240	2,017	1,008	1,008	672
		320	1,512	756	756	504
		400	1,210	605	605	403
		480	1,008	504	504	336
		560	864	432	432	288
		640	756	378	378	252

The determined loads apply for static loads. Calculation based on Eurocode (EC3).

The safety coefficient $\gamma = 1.54$ takes into account the partial and combination coefficients as well as the safety factor of the material.

For the given values, the permissible steel stress and the maximum permissible deflection $L_{/150}$ are not exceeded, taking the deadweight into consideration.

The load-carrying values refer to the console support. Fastening elements such as plugs and screws, must be choosen in accordance with the loads.

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