

# **MPR-Wall hanger brackets**

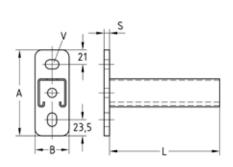
stainless steel

## **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

### Your 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	Dimensions [mm]				Part no.	Sales unit	Pack unit
			Α	В	S	V			
41/41/2.0	160	V4A	125	50	8	13.5 x 20	154435	1	Pieces
	240						154436		
	320						154437		
	400						154438		
	480						154439		
	560						154440		
	640						154441		





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#### Technical data of brackets:

Features								
Profile		Base plates	MPR-Support channels					
Y	Dimensions H x W x D [mm]	Material	Admissible steel stress	Material	Admissible steel stress Gadm. [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 <sub>max</sub> . [Nmm]	Length L [mm]	Max. recommended load [N]				
			<b>↓</b> F	F	↓F ↓F +L/3→+L/3→	↓F ↓F ↓F -L/4L/4	
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 hoosen in accordance with the loads.

