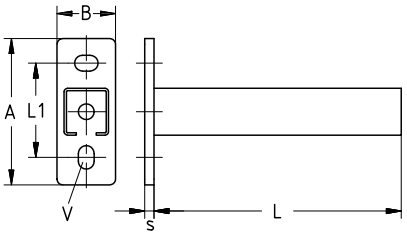
MPC-Wall hanger brackets

hot-dip galvanised

Field of application

- Applicable as cantilever support structure for pipeways
- Applicable as cantilever bracket for air ducts and cable trays
- Applicable in combination with MPC-Saddle support and MPC-Channel support brackets as a cross-beam for pipe attachments in shafts and ducts
- Solid wall bracket for valves and equipment
- Profile 38/80 is ideally suitable for double-sided installation of pipe sections due to double channel slots
- Suitable for outdoor use



Advantages

- The strong base plate ensures a high load carrying capacity
- The vertical and horizontal holes in the base plate allow easy height adjustment of the bracket
- Variety of lengths covers all construction requirements
- Clean-cut appearance by the use of MPC-protection caps

Profile	Length L [mm]	**Part no.**	Sales unit	Pack unit	Dimensions [mm]				
					A	B	L1	s	V
27/18	300	**156731**	1	pieces	120	40	80	4	11 x 19
38/40	240	**156732**			125	50		8	13.5 x 20
	320	**156733**							
	400	**156734**							
	480	**156735**							
	560	**156736**							
	640	**156737**							
	800	**156738**							
	1,040	**156739**							
40/60	560	**156740**			165	60	120		
	800	**156741**							
	1,040	**156742**							

For further technical information please refer to chapter "Technical information".

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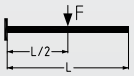
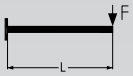
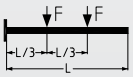
Technical data of brackets:

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]
27/18	120 x 40 x 4	S355MC	231	DC01	153
38/40	125 x 50 x 8	S235	162	DD11	
40/60	165 x 60 x 8	S355MC	231		

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

Profile	Base plate $M_{max.}$ [Nmm]	Length L [mm]				
			Max. allowable load [N]			
27/18	52,255	300	311	156	156	104
38/40	260,845	240	2,173	1,086	1,086	724
		320	1,630	815	815	543
		400	1,304	652	652	434
		480	1,086	543	543	362
		560	931	465	465	310
		640	815	407	407	271
		800	652	279	326	217
		1,040	501	161	242	156
40/60	514,741	560	1,838	919	919	612
		800	1,286	643	643	428
		1,040	989	494	494	329

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

The safety coefficient γ = 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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