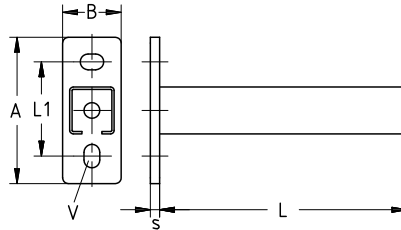


MPC-Wall hanger brackets

Field of application

- Ideal as cantilever support structure of pipeways
- Applicable in combination with MPC-Saddle support and MPC-Channel support brackets as a cross-beam for pipe attachments in shafts and ducts
- Applicable as cantilever bracket for air ducts and cable trays
- Solid wall bracket for valves and equipment



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

Features



Profile	Length L [mm]	Part no.		Sales unit	Pack unit	Dimensions [mm]				
		V2A	V4A			A	B	L1	s	V
27/18	200	156743	156753	1	pieces	120	40	80	4	11 x 19
	300	156744	156754							
38/40	160	156745	156755	1	pieces	125	50	120	8	13.5 x 20
	240	156746	156756							
	320	156747	156757							
	400	156748	156758							
	480	156749	156759							
	560	156750	156760							
40/60	640	156751	156761	1	pieces	165	60	120	8	13.5 x 20
	560	156752	156762							



For use in areas with requirements on the duration of fire resistance, the boundary conditions set out in the fire test report must be observed.

MPC-Wall hanger brackets

Technical data of brackets:

Profile 	Dimensions H x W x D [mm]	Base plate		Support channel	
		Material	Admissible steel stress $\sigma_{adm.}$ [N/mm ²]	Material	Admissible steel stress $\sigma_{adm.}$ [N/mm ²]
27/18	120 x 40 x 4	V2A, V4A	149	V2A, V4A	149
38/40	125 x 50 x 8		136		
40/60	165 x 60 x 8				

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	34,049	200	340	170	170	113
		300	226	113	113	75
38/40	219,110	160	2,738	1,369	1,369	912
		240	1,825	912	912	608
		320	1,369	684	684	456
		400	1,095	547	547	365
		480	912	456	456	304
		560	782	391	391	260
		640	684	342	342	228
40/60	304,499	560	1,087	543	543	362



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 chosen in accordance with the loads.

