

MPT-Consoles Q100

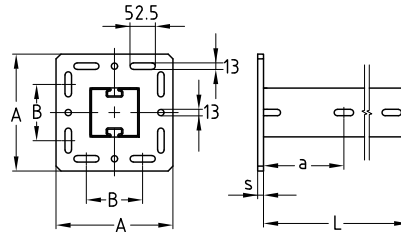
hot-dip galvanised

Field of application

- Consoles for accommodation of pipelines and aggregates in industrial construction, plant building construction and heavy-duty building technology for attachment on floor, wall and ceiling

Advantages

- Stable, perforated baseplate for direct or indirect connection to the structure
- High corrosion protection due to standardised hot-dip galvanising ensures flexible implementation outdoors and indoors
- Quick fastening of add-on parts via the dual-side fastening groove
- Can also be implemented universally as support from the floor or as a shaft from the ceiling
- Clean-cut appearance by the use of MPT-protection caps




Size	Length L [mm]	Thickness s [mm]	Part no.	Sales unit	Pack unit	Weight [kg/piece]	Dimensions [mm]		
							A	B	a
Q100-2.5	500	12	135617	1	pieces	9.620	240	115.5	165
	750		135619			11.480			
	1,000		135620			13.960			
	1,500		135621			18.960			
	2,000		135622			23.960			
	3,000		135623			33.960			


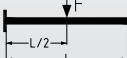

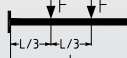

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Technical data of brackets:

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]
Q100-2.5	240 x 240 x 12	S235	158	S235	158

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

Profile 	Base plate M _{max.} [Nmm]	Length L [mm]				
			Max. allowable load [N]			
Q100-2.5	3,994,128	500	15,976	7,988	7,988	5,325
		750	10,651	5,325	5,325	3,550
		1,000	7,988	3,994	3,994	2,662
		1,500	5,325	2,662	2,662	1,775
		2,000	3,994	1,870	1,997	1,331
		3,000	2,410	750	1,130	730



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

The safety coefficient $\gamma = 1.48$ 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.