

MPT-Consoles Q100

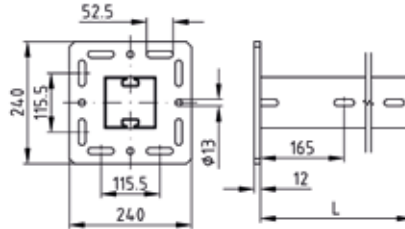
hot-dip galvanised

Application

- Consoles for accommodation of pipe-lines and aggregates in shipbuilding and on industrial and plant building sites for attachment on floor, wall and ceiling

Your advantages

- Stable, perforated baseplate for direct or indirect connection to the structure
- 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

Profile	Length L [mm]	Thickness s [mm]	Dimensions [mm]			Weight [kg]	Part no.	Sales unit	Pack unit
			a	A	B				
Q100-2.5	500	12	165	240	115.5	9.62	135617	1	Pieces
	750					11.48	135619		
	1,000					13.96	135620		
	1,500					18.96	135621		
	2,000					23.96	135622		
	3,000					33.96	135623		

Technical data of brackets:

Features

Profile	Dimensions H x W x D [mm]	Base plates		MPT-Support channels	
		Material	Admissible steel stress σ_{adm} [N/mm ²]	Material	Admissible steel stress σ_{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. recommended 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.