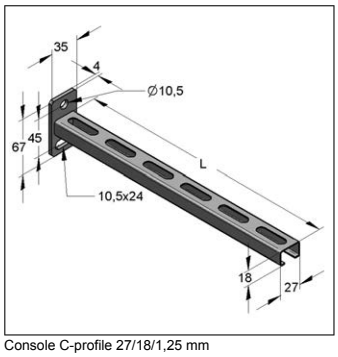
Console C-profile 27/18/1,25 mm



Console C-profile 27/18/1,25 mm

Specification

Application area: Console for the production of cantilever structures for the support of suspended and standing pipe loads.

Technical data

Material:	Steel
Surface:	galvanized
Global safety coefficient:	1,35

Remark: From a length of 630 mm limitation torque MG and bearing strengths FAx, FBx not valid anymore. All loads refering to static loads.

Length console L [mm]	Alignment of plate	Load F1 [kN]	Load F2 [kN]	Load q0 [kN/m]	Weight [kg/pc]	Packing unit [pcs.]	Part-No.
157,5	vertical	0,47	0,23	2,94	0,159	25	18010158

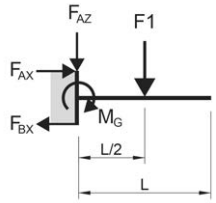
Console C-profile 27/18/1,25 mm

Length console L [mm]	Alignment of plate	Load F1 [kN]	Load F2 [kN]	Load q0 [kN/m]	Weight [kg/pc]	Packing unit [pcs.]	Part-No.
210,0	vertical	0,35	0,17	1,66	0,190	25	18010210
262,5	vertical	0,28	0,14	1,06	0,222	25	18010263
315,0	vertical	0,23	0,12	0,74	0,253	25	18010315

Console 27/18/1,25 - Static values

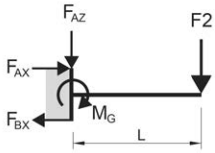
Limitation torque	M_G:	36,74 Nm
Reaction force	F_{AX}:	0,82 kN
Reaction force	F_{BX}:	0,82 kN
M_G, F_{AX}, F_{BX} on	F1:	up to L = 630,5 mm
	F2:	up to L = 315,5 mm
	q0:	up to L = 420,5 mm

Loading condition F1



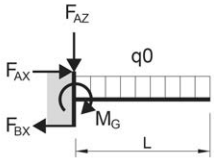
$F_{AZ} = F1$ $M_G = F1*L / 2$

Loading condition F2



$F_{AZ} = F2$ $M_G = F2*L$

Loading condition q0



$F_{AZ} = q0*L$ $M_G = q0*L^2 / 2$