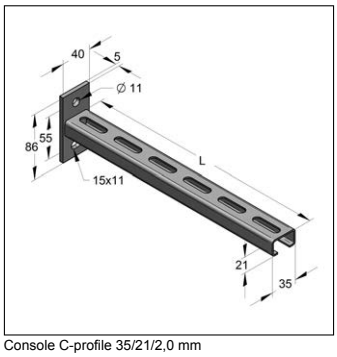
Console C-profile 35/21/2,0 mm



Console C-profile 35/21/2,0 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: Load limitation due to admissible bending L/150. From a length of 630 mm limitation torque MG and bearing strengths FAx, FBx not valid anymore. All loads refer 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	1,19	0,60	7,57	0,307	25	18020158
210,0	vertical	0,89	0,45	4,26	0,368	25	18020210
262,5	vertical	0,72	0,36	2,72	0,429	25	18020263
315,0	vertical	0,60	0,30	1,89	0,490	25	18020315
420,0	vertical	0,45	0,19	1,06	0,612	25	18020420

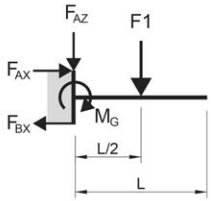
Console C-profile 35/21/2,0 mm

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.
525,0	vertical	0,36	0,12	0,62	0,734	25	18020525

Console 35/21/2,0 - Static values

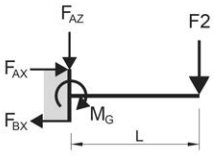
Limitation torque	M_G:	93,86 Nm
Reaction force	F_{AX}:	1,71 kN
Reaction force	F_{BX}:	1,71 kN
M_G, F_{AX}, F_{BX} on	F1:	up to L = 630,0 mm
	F2:	up to L = 315,0 mm
	q0:	up to L = 472,5 mm

Loading condition F1



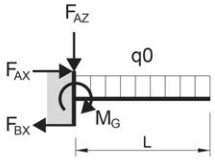
F_{AZ} = F1 M_G= F1*L / 2

Loading condition F2



F_{AZ} = F2 M_G = F2*L

Loading condition q0



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