

## Cantilever Loads Eurotruss ST

a (m)	P (kg)	q (kg/m)
0,50	2574,9	5149,8
1,00	2568,7	2568,7
1,50	2562,6	1708,4
2,00	2079,4	1278,2
2,50	1657,4	1020,1
3,00	1374,9	848,1
3,50	1172,2	669,8

Be sure that point A has enough weight or is fixed against lifting loads.  
L must be minimum double the length of the cantilever

Lifting load in point A:

$$A = P * a / L * 1,5$$

$$A = q * a * a / 2 / L * 1,5$$

Upstanding loads in B:

$$B = P * (a + L) / L$$

$$B = q * a * (a / 2 + L) / L$$

The given loads are ideal, characteristic loads. Loads have to be brought directly into the knots of the bracing. Local bending has to be checked separate.

B must not exceed 10,0 kN

