

Cantilever Loads Eurotruss HD33

a (m)	P (kg)	q (kg/m)
0,50	989,7	1979,3
1,00	737,9	987,1
1,50	489,6	652,8
2,00	364,8	364,8
2,50	289,3	231,4
3,00	238,5	159,0
3,50	201,8	115,3

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

5,6 kN

