

Column capacity calculations for 250x250 BEEEM™
4 off GR 8.8 M16 Bolts - end to end connection detail

EFFECTIVE LENGTH	ALLOWABLE AXIAL LOADING
(m)	(kN)
1	284
2	242
3	200
4	161
5	145
6	132
7	122
8	114
9	107
10	96

Effective length of columns to be determined by a qualified structural engineer
This table is provided as a guide and assumes all loads are applied at nodes
All structures should be checked by a suitable qualified structural engineer
Factor of Safety = 1.5
Calculations as per BS EN 1993-1-1
Above values are for axial loads only
Horizontal loads that induce bending not considered and should be determined
by a qualified structural engineer