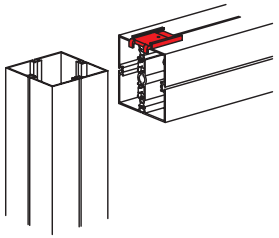
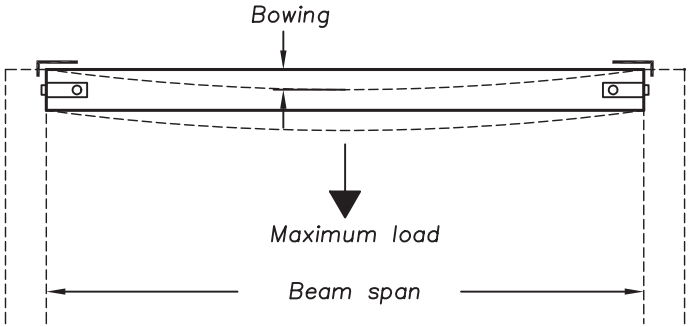
## *Supporting capacity values*



***The indicated values apply provided that the construction of the beams prevents them from twisting. Proof must be produced for the flexural buckling and torsional-flexural buckling values separately.***




*maximum possible loads (in addition to dead weight) and the resulting calculated bowing of beams with maximum permissible bowing of 1/300 of the span.*

*xxx (values which are underlined)=the maximum admissible bearing load is decisive*

***With beam supports higher load capacity is achieved which results in "more safety"***

| | | | Beam spans (m) : | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 |
| *Each side 2x tension locks and 1x support beam* | 120 M 225 | *Single load in beam center* (kg): | 2131 | 2128 | 846 | 538 | 370 | 269 | 202 | 156 | 123 | 98 | 78 | 63 | 51 |
| | | *uniformly distributed load* (kg/m): | 2131 | 1419 | 677 | 344 | 197 | 122 | 80 | 55 | 39 | 28 | 21 | 15 | 11 |
| | | *bowing* (cm): | 0.13 | 0.44 | 0.67 | 0.83 | 1.00 | 1.16 | 1.32 | 1.50 | 1.65 | 1.82 | 2.00 | 2.17 | 2.33 |
| *Each side 1x tension lock and 1x support beam* | 80 M 1020 | (kg): | 519 | 229 | 127 | 80 | 87 | 61 | 45 | 33 | 25 | 18 | 13 | --- | --- |
| | | (kg/m): | 831 | 244 | 102 | 51 | 36 | 28 | 18 | 12 | 8 | 5 | 3 | --- | --- |
| | | (cm): | 0.33 | 0.32 | 0.42 | 0.53 | 0.81 | 1.15 | 1.33 | 1.50 | 1.67 | 1.83 | 2.00 | --- | --- |
| *Each side 1x tension lock and 1x support beam* | 80 M 1222 | (kg): | 519 | 229 | 127 | 80 | 54 | 38 | 27 | 20 | 14 | 10 | 7 | 4.2 | --- |
| | | (kg/m): | 831 | 244 | 102 | 51 | 28 | 17 | 11 | 7 | 4.5 | 3 | 1.8 | 1 | --- |
| | | (cm): | 0.33 | 0.50 | 0.67 | 0.83 | 0.97 | 1.14 | 1.33 | 1.48 | 1.62 | 1.81 | 1.94 | 2.10 | --- |

* = *average value relevant for data collection*

**TI M-3.4** 08/2001/WG// Englisch 09.01/HB geä 06.02/HB neues Layout 09/2005 shift