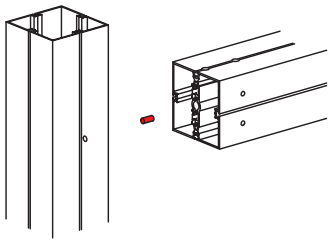
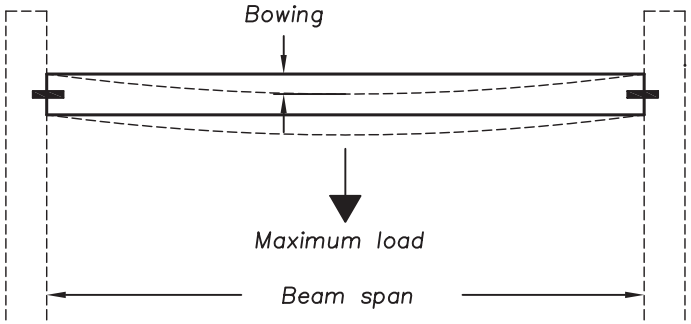
Supporting capacity values

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):	469	467	465	463	370	269	202	156	123	98	78	63	51
		uniformly distributed load (kg/m):	469	311	232	185	153	122	80	55	39	28	21	15	11
		bowing (cm):	0.00	0.10	0.23	0.45	0.78	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):	472	229	127	80	87	61	45	33	25	18	13	---	---
		(kg/m):	472	244	102	51	36	28	18	12	8	5	3	---	---
		(cm):	0.12	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):	472	229	127	80	54	38	27	20	14	10	7	4.2	---
		(kg/m):	472	244	102	51	28	17	11	7	4.5	3	1.8	1	---
		(cm):	0.19	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-3.2 08/2001/WG// Englisch 0901/HB geä 06.02/HB neues Layout 09/2005 shift