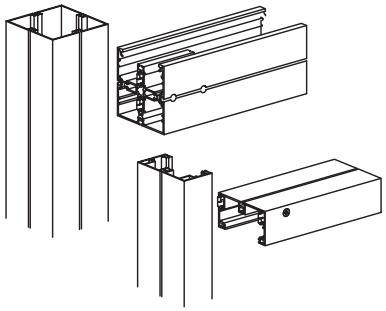
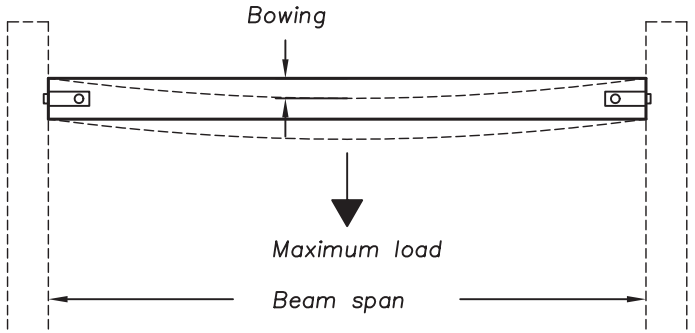
Supporting capacity values





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

open profiles have to be closed with connectors at least every one meter

		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	*Single load in beam center* (kg):		120	118	117	116	115	95	71	54	42	33	26	20	16
	uniformly distributed load (kg/m):		120	79	58	46	38	32	28	19	14	10	7	5	3.7
	the supporting capacity of the lateral open profile is greatly reduced due to its extreme elasticity of torsion which results in a variable bowing (depending on eccentricity of the axis of inertia / the point of application of force)														
Each side 2x tension locks		(kg):	239	237	235	233	230	190	142	109	85	67	53	41	32
		(kg/m):	239	158	117	93	77	65	56	38	27	19	14	10	7.4
		bowing (cm):	0.02	0.07	0.17	0.32	0.56	0.89	1.32	1.48	1.67	1.81	2.00	2.17	2.33
	the elasticity of torsion of the open profile causes a reduction of the supporting capacity at the off-center point of application of force														

TI M-3.7 08/2001/WG// Englisch 09.01/HB geä 06.02/HB neues Layout 09/2005 shift