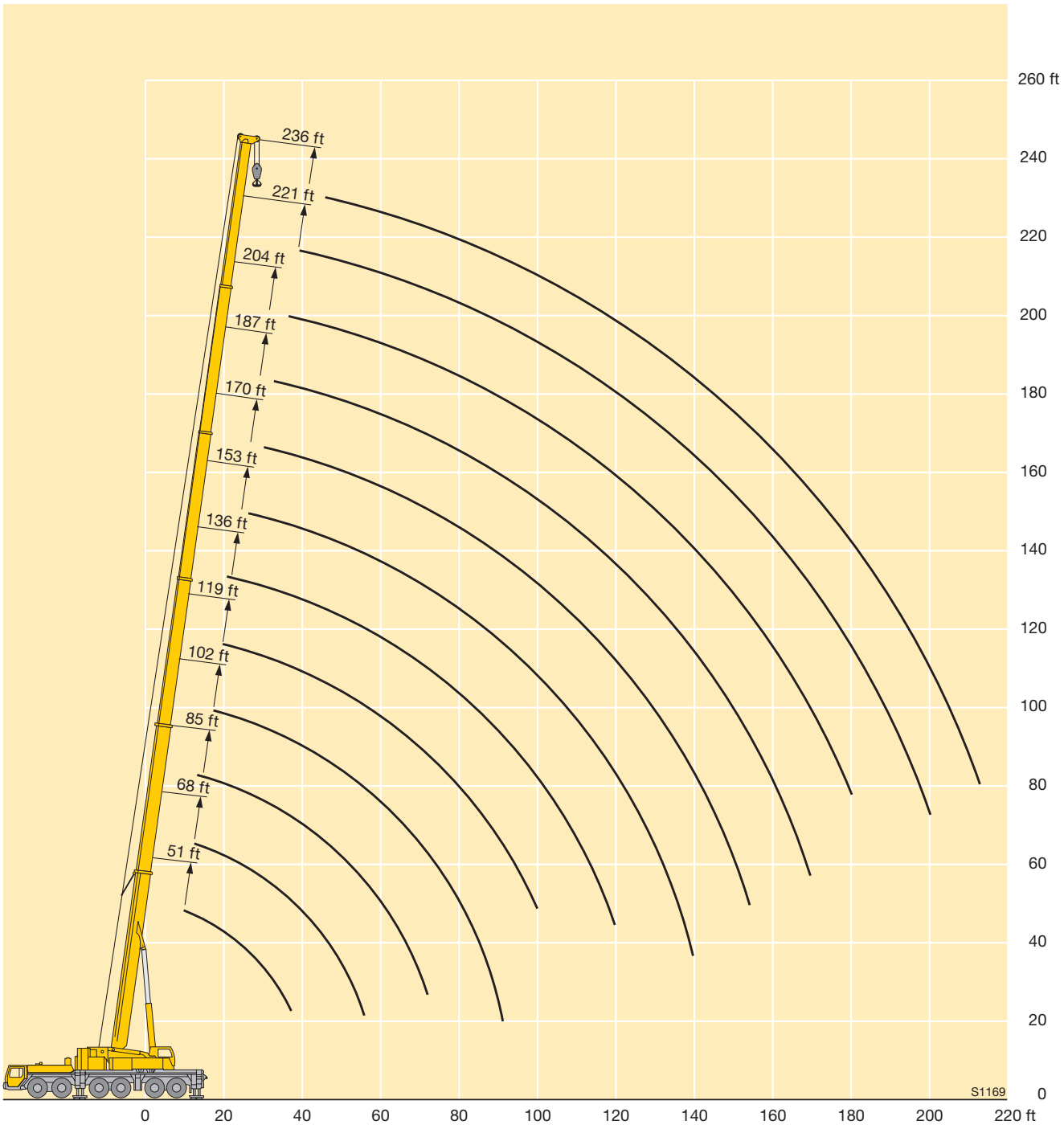
STERLING CRANE

LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1250-6 - 300 TON CAPACITY

Lifting heights
Hauteurs de levage



Lifting capacities on telescopic boom
Forces de levage à la flèche télescopique

ft	51 ft *		68 ft	85 ft	88 ft	102 ft	119 ft	125 ft	136 ft	153 ft	162 ft	170 ft	187 ft	199 ft	204 ft	221 ft	236 ft	ft
9		389																9
10	585	388	297															10
12	370	370	297	258	113													12
14	331	331	297	258	113													14
16	305	305	284	258	113	197												16
18	286	286	267	250	111	197	157	87.5										18
21	261	261	246	232	105	197	157	85.5	134									21
24	239	239	226	214	97.5	195	157	81	134	104								24
27	220	220	209	198	91	188	157	75.5	134	104	63	81.5						27
30	201	201	195	184	85	175	157	70.5	132	102	62.5	81.5	63.5					30
33	183	183	182	172	79	164	156	66	130	97.5	59.8	81	63.5					33
36	163	163	170	162	74.5	154	150	62.5	129	93.5	57.1	79	63.5	46.3	46.3			36
39	142	142	158	153	70.5	145	141	58.9	124	89.5	54.6	76.5	63.5	46.3	46.3	41.3		39
45			137	136	63	130	127	52.8	113	82	50.1	71.5	60.5	45.1	46.3	41.1		45
51			115	121	56.7	117	115	47.4	104	74.5	45.9	66	57.4	43.2	46.3	40.8	34	51
57			76.5	107	52	105	104	43.2	96	68	42	60.5	53.6	40.8	46	39.8	33.8	57
63				93	48.3	94.5	95	39.7	89	63	38.5	55.7	49.9	38.2	44	38.5	33.2	63
69				79	44.9	84	86	36.5	82.5	59.2	35.6	51	46.4	35.8	41.3	36.9	32.3	69
75					41.6	75	77.5	33.5	76.5	56.1	33	46.9	43.2	33.6	38.8	35.1	31	75
81						65.5	72.5	31	71	53.2	30.7	43.7	40	31.6	36.4	33.2	29.4	81
87						59.1	67	29.1	65	50.5	28.5	40.9	37	29.6	34.2	31.4	27.9	87
93							61	27.4	59.4	48	26.5	38.4	34.5	27.8	32.1	29.8	26.4	93
99							53.8	25.7	54.3	45.6	24.6	36.1	32.1	26.2	30.1	28.2	25.1	99
105								24.1	49.9	44	23.2	33.8	30.3	24.6	28.3	26.6	23.7	105
111								22.6	45.9	42.4	21.8	32	28.6	23.1	26.5	25.1	22.5	111
117									40.7	40.9	20.5	30.7	27	21.7	24.9	23.8	21.3	117
123									36.2	39.5	19.3	29.5	25.4	20.4	23.6	22.4	20.1	123
129										36.9	18.1	28.4	24.1	19.3	22.4	21.1	19	129
135										33.6	17.2	27.4	22.9	18.3	21.2	19.8	17.9	135
141										23.1	16.4	26.3	21.8	17.4	20.1	18.6	16.9	141
147											15.6	25.4	20.8	16.5	19.3	17.4	15.9	147
153												24.4	19.8	15.6	18.4	16.3	14.9	153
159													19	14.8	17.7	15.4	14	159
165													18.3	14	16.9	14.6	13.3	165
171													17.7	13.2	16.2	13.7	12.6	171
177													14.7	12.5	15.5	12.9	11.9	177
183														11.7	14.8	12.2	11.2	183
189																11.4	10.5	189
195																10.7	9.8	195
201																10	9.2	201
207																	8.5	207
213																	7.9	213

* over rear / en arrière

TAB 131201 / 131351

Remarks referring to load charts

1. The tabulated lifting capacities do not exceed 85% of the tipping load.
2. The crane's structural steelwork is in accordance with DIN 15018, part 3. Design and construction of the crane comply with DIN 15018, part 2, and with F. E. M. regulations.
3. The 85% overturning limit values take into account wind force 5 = wind speed 20 mph.
4. Lifting capacities are given in kips.
5. The weight of the hook blocks and hooks must be deducted from the lifting capacities.
6. Working radii are measured from the slewing centreline.
7. The lifting capacities given for the telescopic boom only apply if the folding jib is taken off.
8. Lifting capacities are subject to modifications.
9. Lifting capacities above 298 kips only with additional pulley block/special equipment.

Lifting capacities on telescopic boom
Forces de levage à la flèche télescopique

ft	51 ft	68 ft	85 ft	88 ft	102 ft	119 ft	125 ft	136 ft	153 ft	162 ft	170 ft	187 ft	199 ft	204 ft	221 ft	236 ft	ft
9	389																9
10	388	297															10
12	370	297	258	113													12
14	331	297	258	113													14
16	305	284	258	113	197												16
18	286	267	250	111	197	157	87.5										18
21	261	246	232	105	197	157	85.5	134									21
24	239	226	214	97.5	195	157	81	134	104								24
27	220	209	198	91	188	157	75.5	134	104	63	81.5						27
30	201	195	184	85	175	157	70.5	132	102	62.5	81.5	63.5					30
33	183	182	172	79	164	156	66	130	97.5	59.8	81	63.5					33
36	163	170	162	74.5	154	150	62.5	129	93.5	57.1	79	63.5	46.3	46.3			36
39	142	158	153	70.5	145	141	58.9	124	89.5	54.6	76.5	63.5	46.3	46.3	41.3		39
45		137	136	63	130	127	52.8	113	82	50.1	71.5	60.5	45.1	46.3	41.1		45
51		115	119	56.7	116	115	47.4	104	74.5	45.9	66	57.4	43.2	46.3	40.8	34	51
57		76.5	103	52	102	103	43.2	96	68	42	60.5	53.6	40.8	46	39.8	33.8	57
63			90.5	48.3	89	91.5	39.7	89	63	38.5	55.7	49.9	38.2	44	38.5	33.2	63
69			78.5	44.9	78.5	83	36.5	82	59.2	35.6	51	46.4	35.8	41.3	36.9	32.3	69
75				41.6	70	76.5	33.5	74.5	56.1	33	46.9	43.2	33.6	38.8	35.1	31	75
81					64.5	69	31	67	53.2	30.7	43.7	40	31.6	36.4	33.2	29.4	81
87					59.1	63	29.1	61	50.5	28.5	40.9	37	29.6	34.2	31.4	27.9	87
93						57.3	27.4	55.2	48	26.5	38.4	34.5	27.8	32.1	29.8	26.4	93
99						52.4	25.7	50.2	45.6	24.6	36.1	32.1	26.2	30.1	28.2	25.1	99
105							24.1	45.8	44	23.2	33.8	30.3	24.6	28.3	26.6	23.7	105
111							22.6	42	42.4	21.8	32	28.6	23.1	26.5	25.1	22.5	111
117								38.6	40.3	20.5	30.7	27	21.7	24.9	23.8	21.3	117
123								36.2	37.4	19.3	29.5	25.4	20.4	23.6	22.4	20.1	123
129									34.6	18.1	28.4	24.1	19.3	22.4	21.1	19	129
135									32.2	17.2	27.4	22.9	18.3	21.2	19.8	17.9	135
141									22.6	16.4	26.3	21.8	17.4	20.1	18.6	16.9	141
147										15.6	25.4	20.8	16.5	19.3	17.4	15.9	147
153											24.4	19.8	15.6	18.4	16.3	14.9	153
159												19	14.8	17.7	15.4	14	159
165												18.3	14	16.9	14.6	13.3	165
171												17.7	13.2	16.2	13.7	12.6	171
177												14.7	12.5	15.5	12.9	11.9	177
183													11.7	14.8	12.2	11.2	183
189															11.4	10.5	189
195															10.7	9.8	195
201															10	9.2	201
207																8.5	207
213																7.9	213

TAB 131352

Remarques relatives aux tableaux des charges

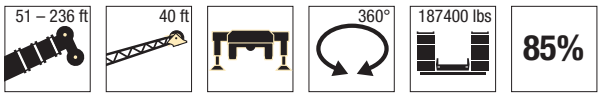
1. Les forces de levage indiquées ne dépassent pas 85% de la charge de basculement.
2. La norme DIN 15018, 3ème partie est appliquée pour les charpentes. La construction de la grue est réalisée conformément à la norme DIN 15018, 2ème partie, et aux règles de la F. E. M.
3. A 85% de la charge de basculement, il a été tenu compte d'un vent de force 5 = vitesse de vent 20 mph.
4. Les forces de levage sont données en kips.
5. Le poids des moufles et crochets doit être soustrait des charges indiquées.
6. Les portées sont calculées à partir de l'axe de rotation.
7. Les forces indiquées pour la flèche télescopique s'entendent fléchette dépliable déposée.
8. Les forces de levage sont modifiables sans préavis.
9. Forces de levage plus de 298 kips seulement avec moufle additionnel/équipement supplémentaire.

Lifting capacities on telescopic boom
Forces de levage à la flèche télescopique

ft	51 ft	68 ft	85 ft	88 ft	102 ft	119 ft	125 ft	136 ft	153 ft	162 ft	170 ft	187 ft	199 ft	204 ft	221 ft	236 ft	ft
9	389																9
10	388	297															10
12	370	297	258	113													12
14	331	297	258	113													14
16	305	284	258	113	197												16
18	277	256	234	111	192	157	87.5										18
21	231	212	191	105	171	149	85.5	133									21
24	185	169	153	97.5	139	131	81	126	103								24
27	149	142	131	91	128	117	75.5	107	99	63	80.5						27
30	123	121	116	85	109	101	70.5	94.5	89.5	62.5	79.5	63.5					30
33	104	104	100	79	94.5	87.5	66	86	78.5	59.8	72	63					33
36	89.5	90	87.5	74.5	83	78	62.5	76	71.5	57.1	67.5	62	46.3	46.3			36
39	78	79	77.5	70.5	74.5	69	58.9	68	65.5	54.6	61	56.4	46.3	46.3	41.3		39
45		63	62	61.5	62	55.8	52.8	57.4	54.3	50.1	51.7	48.1	45.1	44.4	40.6	33.9	45
51		50.8	51	51	51.6	49.3	47.4	48.6	45.9	44.7	43.8	40.4	39.6	37.8	34.2	32	51
57		41	42.5	42.6	43.4	42.1	41.5	41	38.8	38.3	36.8	33.7	33.4	31.4	28.1	27.3	57
63			35.8	35.8	36.7	35.7	35.6	34.8	32.9	32.5	31.1	28.3	28.1	26.2	23.2	22.5	63
69			29.8	30	31.3	30.4	30.3	29.8	28	27.7	26.4	23.8	23.7	21.9	19.1	18.6	69
75				25	26.9	26.1	26.1	25.6	24	23.7	22.5	20.1	20.1	18.4	15.7	15.3	75
81					23.1	22.5	22.5	22.1	20.6	20.4	19.3	17	17	15.3	12.8	12.4	81
87					19.6	19.5	19.5	19.2	17.7	17.6	16.5	14.3	14.3	12.8	10.3	10	87
93						16.8	16.9	16.7	15.2	15.1	14.1	12	12.1	10.5	8.1	7.8	93
99						14.3	14.5	14.5	13.1	13	12	9.9	10	8.5			99
105							12.3	12.5	11.2	11.1	10.2	8.2	8.3				105
111							10.5	10.6	9.6	9.5	8.6	6.6	6.7				111
117								9	8.1	8.1	7.1	5.2	5.4				117
123								7.6	6.7	6.8	5.9						123
129									5.3	5.5	4.8						129
135									4.2	4.3							135

TAB 131358

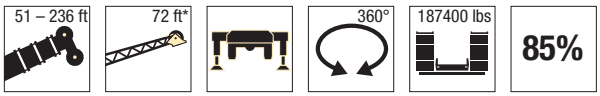
Lifting capacities on the folding jib
Forces de levage à la fléchette pliante



ft	51 ft / 40 ft			170 ft / 40 ft			187 ft / 40 ft			204 ft / 40 ft			221 ft / 40 ft			236 ft / 40 ft			ft
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
11	40																		11
12	39.8																		12
13	39.4																		13
14	39.1																		14
15	38.8																		15
16	38.5																		16
17	38.2																		17
18	37.9	32.7																	18
20	37.3	32.6																	20
22	36.6	32																	22
24	36	31.2																	24
26	35.3	30.1																	26
28	34.7	29.2	22.8																28
30	33.9	28.3	22.8																30
32	32.6	27.5	22.8	40															32
34	31.2	26.8	22.6	40															34
36	29.9	26.1	22.2	40			34.9												36
38	28.6	25.5	21.8	39.7			34.9												38
40	27.4	24.9	21.5	39.5			34.9												40
45	24.5	23.5	20.8	38.9	32.3		34.9			29.1			23.3						45
50	22.1	22.5	20.2	38.3	31.4		34.6	30.6		29.1			23.3			19.6			50
55	20	21.3	19.8	37.6	30.3	22.8	34.2	30.1	22.6	29.1	27.9		23.3			19.6			55
60	18	19.8	19.6	36.8	29.2	22.7	33.8	29.2	22.5	28.9	27.8		23.3			19.6			60
65	16.3	17.8	18.9	36.2	28.2	22.3	33.5	28.3	22.2	28.7	27.4	21.6	23.3	23.3		19.6	19.6		65
70	14.9	16.1	17	35.5	27.5	21.9	32.9	27.5	21.8	28.5	26.7	21.4	23.3	23.3		19.6	19.6		70
75	13.7	14.5	16.1	34.8	26.8	21.6	32.4	26.8	21.5	28.2	26.1	21.1	23.2	23	20.2	19.6	19.6		75
80				33.9	26.1	21.3	31.7	26.1	21.2	27.9	25.5	20.8	22.9	22.5	20.2	19.6	19.6		80
85				32.6	25.4	21	30.6	25.5	20.9	26.9	24.9	20.6	22.2	22.1	20	19.3	19.4	19.2	85
90				31.1	24.8	20.8	29.2	24.9	20.7	25.8	24.4	20.3	21.6	21.5	19.8	18.7	18.9	19	90
95				29.7	24.2	20.5	27.8	24.4	20.5	24.6	23.9	20.2	21	20.8	19.6	18.2	18.3	18.6	95
100				28.3	23.6	20.3	26.5	23.9	20.2	23.6	23.4	20	20.4	20.2	19.4	17.7	17.8	18.1	100
105				27	23.2	20.1	25.2	23.4	20	22.5	22.9	19.8	19.8	19.6	19.3	17.1	17.3	17.7	105
110				25.8	22.8	19.9	24	22.9	19.9	21.6	22.1	19.7	19.2	18.9	18.9	16.6	16.9	17.2	110
115				24.6	22.3	19.8	22.9	22.5	19.7	20.6	21.3	19.6	18.6	18.3	18.4	16.1	16.4	16.7	115
120				23.4	22	19.6	21.8	21.9	19.6	19.7	20.3	19.4	17.9	17.8	17.8	15.7	16	16.2	120
125				22.4	21.6	19.5	20.7	21.2	19.4	18.8	19.4	19.2	17.2	17.2	17.3	15.2	15.5	15.7	125
130				21.5	21.2	19.4	19.5	20.1	19.2	17.9	18.5	18.9	16.5	16.7	16.7	14.5	14.9	15.2	130
135				20.6	20.5	19.3	18.4	19.1	19.1	17.1	17.6	18.1	15.8	16.1	16.2	13.9	14.4	14.7	135
140				19.7	19.6	19.1	17.4	18.1	18.6	16.3	16.8	17.3	15.1	15.6	15.7	13.3	13.8	14.2	140
145				18.8	18.8	18.9	16.6	17.1	17.7	15.5	15.9	16.5	14.4	15	15.2	12.7	13.2	13.7	145
150				18	18.1	18.2	15.9	16.1	16.8	14.7	15.1	15.7	13.8	14.3	14.8	12.1	12.6	13.1	150
155				17.2	17.3	17.5	15.4	15.4	15.9	13.9	14.4	14.9	13.2	13.7	14.2	11.5	12	12.5	155
160				16.5	16.6	16.8	14.8	14.7	15	13.3	13.6	14.1	12.6	13.1	13.5	11	11.4	11.9	160
165				15.9	15.9	16.2	14.2	14.1	14.3	12.8	13	13.4	12	12.5	12.8	10.4	10.9	11.4	165
170				15.3	15.3	15.5	13.7	13.5	13.7	12.3	12.5	12.7	11.5	11.9	12.2	9.9	10.3	10.8	170
175				14.8	14.8	14.9	13.2	12.9	13.1	11.9	12	12.1	10.9	11.3	11.6	9.4	9.8	10.2	175
180				14.2	14.3	14.3	12.7	12.4	12.6	11.4	11.5	11.6	10.3	10.7	11	8.9	9.4	9.7	180
185				13.7	13.8		12.2	11.9	12.1	11	11.1	11.1	9.7	10.1	10.4	8.5	8.9	9.2	185
190				13.2	13.3		11.7	11.5	11.5	10.5	10.7	10.7	9.2	9.6	9.9	8.1	8.5	8.8	190
195				9.7			11.2	11	11.1	10.1	10.3	10.3	8.6	9.1	9.3	7.7	8	8.3	195
200							10.8	10.6		9.7	9.9	9.8	8.2	8.7	8.8	7.3	7.6	7.9	200
205							10.3	10.2		9.3	9.5	9.4	7.8	8.2	8.2	7	7.1	7.5	205
210										9	9.1	9	7.3	7.8	7.7	6.6	6.7	7.1	210
215										8.6	8.7	8.6	7	7.3	7.2	6.3	6.4	6.7	215
220										8.2	8.3		6.6	6.9	6.7	6	6	6.2	220
225													6.2	6.5	6.3	5.6	5.6	5.8	225
230													5.8	6.1		5.2	5.3	5.4	230
235													5.5	5.7		4.9	4.9	5	235
240													5.1	5.3		4.5	4.6	4.6	240
245																4.1	4.3		245
250																3.8	3.9		250
255																3.4	3.5		255

TAB 131246 / 131254 / 131262

Lifting capacities on the folding jib
Forces de levage à la fléchette pliante



ft	51 ft			170 ft			187 ft			204 ft			221 ft			236 ft			ft
	72 ft			72 ft			72 ft			72 ft			72 ft			72 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
13 - 20	17																		13 - 20
22	17																		22
24	17																		24
26	16.9																		26
28	16.8																		28
30	16.6																		30
32	16.4																		32
34	16.2																		34
36	16	14.6		17															36
38	15.9	14.6		17			16												38
40	15.7	14.5		17			16												40
45	15.1	14		17			16			14.3									45
50	14.6	13.4		17			16			14.3			13.1						50
55	14	12.9	11.4	17			16			14.3			13.1			11.6			55
60	13.5	12.4	11.3	16.9			16			14.3			13.1			11.6			60
65	13	12	10.9	16.8	14.6		15.9			14.3			13			11.6			65
70	12.5	11.6	10.5	16.5	14.4		15.7	14		14.3			12.9			11.6			70
75	12.2	11.2	10.2	16.3	14.1		15.5	13.8		14.2	12.9		12.9			11.6			75
80	11.9	10.9	9.9	16	13.8		15.3	13.5		14.1	12.8		12.8			11.6			80
85	11.6	10.7	9.7	15.8	13.6	11.4	15.1	13.3	11.2	14	12.7		12.6	11.9		11.6			85
90	11.2	10.4	9.5	15.6	13.3	11.3	14.9	13	11.1	13.9	12.5	10.7	12.6	11.8		11.5	10.9		90
95	10.8	10.1	9.4	15.3	13	11.1	14.7	12.8	11	13.7	12.3	10.7	12.5	11.6	10.2	11.4	10.9		95
100	10.3	9.9	9.3	15	12.8	10.9	14.5	12.6	10.9	13.6	12.1	10.6	12.4	11.4	10.2	11.3	10.8	9.7	100
105	9.6	9.7		14.7	12.5	10.7	14.3	12.4	10.7	13.4	11.9	10.5	12.3	11.3	10.1	11.2	10.7	9.7	105
110	9	9.4		14.4	12.3	10.5	14.1	12.1	10.6	13.3	11.7	10.3	12.2	11.1	10	11.2	10.6	9.7	110
115				14.2	12.1	10.4	13.8	12	10.4	13.1	11.6	10.2	12.1	11	9.9	11.1	10.5	9.6	115
120				13.9	11.9	10.2	13.6	11.8	10.2	12.9	11.4	10.2	12	10.9	9.8	11.1	10.4	9.4	120
125				13.6	11.7	10	13.4	11.6	10.1	12.8	11.2	10	11.9	10.7	9.7	11	10.3	9.3	125
130				13.3	11.5	9.9	13.2	11.4	10	12.6	11.1	9.9	11.8	10.6	9.5	10.9	10.2	9.2	130
135				13.1	11.4	9.8	12.9	11.3	9.9	12.4	11	9.8	11.7	10.5	9.4	10.9	10.1	9.1	135
140				12.8	11.2	9.7	12.7	11.1	9.8	12.3	10.8	9.6	11.6	10.4	9.4	10.8	10	9	140
145				12.6	11.1	9.7	12.5	11	9.7	12.1	10.7	9.5	11.4	10.3	9.3	10.7	10	9	145
150				12.4	10.9	9.6	12.3	10.9	9.6	11.9	10.7	9.5	11.3	10.2	9.2	10.4	9.9	8.9	150
155				12.2	10.8	9.5	12.2	10.8	9.6	11.8	10.6	9.4	11.2	10.2	9.1	10	9.8	8.8	155
160				12.1	10.7	9.5	12	10.7	9.5	11.6	10.5	9.4	11	10.1	9	9.6	9.7	8.8	160
165				11.9	10.6	9.4	11.8	10.7	9.5	11.4	10.4	9.3	10.7	10	9	9.1	9.6	8.7	165
170				11.8	10.5	9.3	11.6	10.6	9.4	11.1	10.4	9.2	10.2	9.9	9	8.8	9.5	8.7	170
175				11.6	10.3	9.3	11.4	10.5	9.4	10.6	10.3	9.2	9.8	9.8	9	8.4	9.2	8.6	175
180				11.5	10.2	9.3	11	10.3	9.4	10.1	10.1	9.2	9.4	9.7	9	8	8.8	8.6	180
185				11.3	10.1	9.3	10.6	10.2	9.3	9.7	10	9.2	9	9.5	9	7.6	8.4	8.6	185
190				11.1	10	9.3	10.2	10	9.3	9.2	9.8	9.2	8.6	9.3	9	7.3	8	8.6	190
195				10.8	9.8	9.3	9.8	9.9	9.3	8.8	9.4	9.2	8.2	8.9	9	6.9	7.6	8.3	195
200				10.6	9.7	9.3	9.5	9.6	9.3	8.4	8.9	9	7.8	8.5	8.8	6.6	7.2	7.9	200
205				10.3	9.7	9.3	9.1	9.3	9.2	8.1	8.5	8.7	7.4	8.1	8.5	6.3	6.9	7.5	205
210				10	9.7	9.3	8.8	8.9	9.1	7.7	8.1	8.4	7	7.7	8.1	6	6.5	7.1	210
215				9.7	9.6	9.3	8.4	8.6	8.7	7.5	7.8	8.1	6.7	7.2	7.6	5.7	6.2	6.7	215
220				9.3	9.4		8.1	8.2	8.3	7.2	7.4	7.7	6.3	6.8	7.2	5.4	5.9	6.4	220
225							7.8	7.9	7.9	6.9	7.1	7.4	6	6.4	6.7	5.1	5.6	6	225
230							7.5	7.5		6.7	6.8	7	5.7	6.1	6.3	4.9	5.3	5.6	230
235							7.2	7.2		6.4	6.6	6.7	5.4	5.7	5.9	4.5	5	5.3	235
240							6.9			6.2	6.3	6.3	5.1	5.4	5.5	4.2	4.7	5	240
245										6	6.1		4.9	5.1	5.2	3.9	4.4	4.6	245
250										5.7	5.8		4.6	4.8	4.8	3.6	4.1	4.3	250
255										5.5	5.6		4.3	4.4	4.4	3.3	3.7	3.9	255
260													4	4.2	4.1	3	3.4	3.5	260
265													3.7	3.8		2.7	3	3.1	265
270													3.4	3.5		2.4	2.7	2.7	270
275													3.1	3.2		2.2	2.4	2.3	275

* bi-parted folding jib / fléchette pliante à 2 éléments

TAB 131246 / 131254 / 131262