

Datasheet for JibFlex: JF 100-7

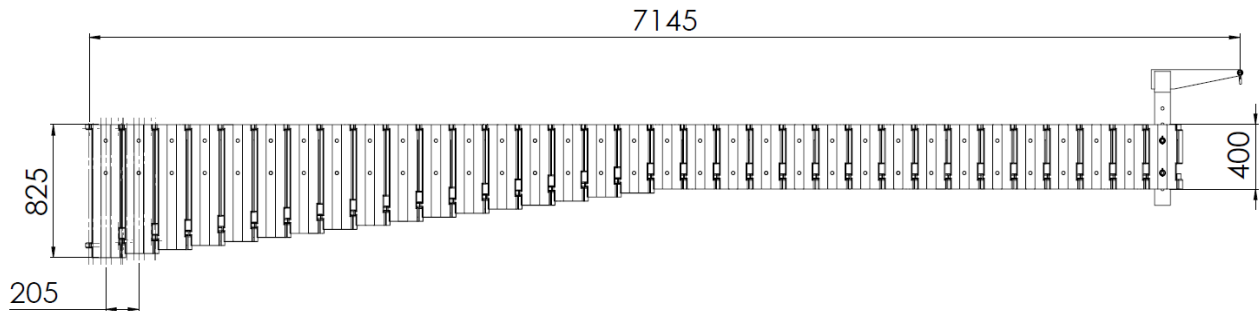


Figure 1: Basic dimensions of JF 100-7.

The lifting eye, called the stork, can be mounted in any module allowing optimisation of every lift. The WLL and radius can be seen in the tables below:

Module No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Lifting Radius [m]	0.585	0.790	0.995	1.200	1.405	1.610	1.815	2.020	2.225	2.430	2.635	2.840	3.045	3.250
WLL [kg]	500	500	500	500	500	500	500	500	500	500	500	500	455	420
Profile Height [m]	0.825	0.800	0.775	0.750	0.725	0.700	0.675	0.650	0.625	0.600	0.575	0.550	0.525	0.500
Profile Mass [kg]	14.5	14.0	13.6	13.2	12.8	12.3	11.9	11.5	11.1	10.7	10.2	9.8	9.4	9.0
Deflection from WLL [m]	< 0.02	< 0.02	< 0.02	< 0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.05	0.05	0.06	0.06

Module No.	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Lifting Radius [m]	3.455	3.660	3.865	4.070	4.275	4.480	4.685	4.890	5.095	5.300	5.505	5.710	5.915	6.120
WLL [kg]	385	355	330	305	285	265	250	230	215	205	190	175	165	155
Profile Height [m]	0.475	0.450	0.425	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400
Profile Mass [kg]	8.6	8.1	7.7	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
Deflection from WLL [m]	0.07	0.07	0.08	0.08	0.09	0.09	0.09	0.9	0.10	0.10	0.10	0.10	0.11	0.11

Module No.	29	30	31	32	33
Lifting Radius [m]	6.325	6.530	6.735	6.940	7.145
WLL [kg]	145	130	125	115	105
Profile Height [m]	0.400	0.400	0.400	0.400	0.400
Profile Mass [kg]	7.3	7.3	7.3	7.3	7.3
Deflection from WLL [m]	0.11	0.11	0.11	0.11	0.11

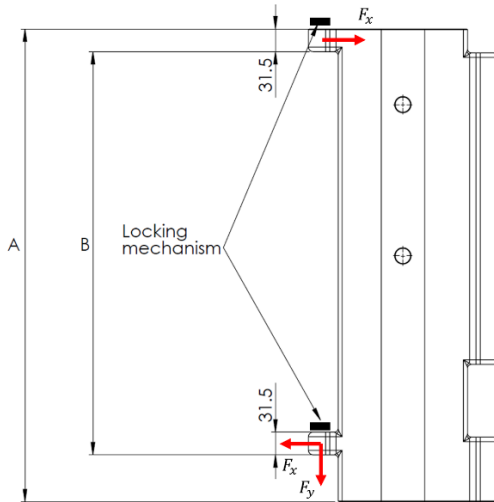


Figure 2: Following structural requirements applies to the supporting structure. The reactions are omnidirectional and without safety factor.

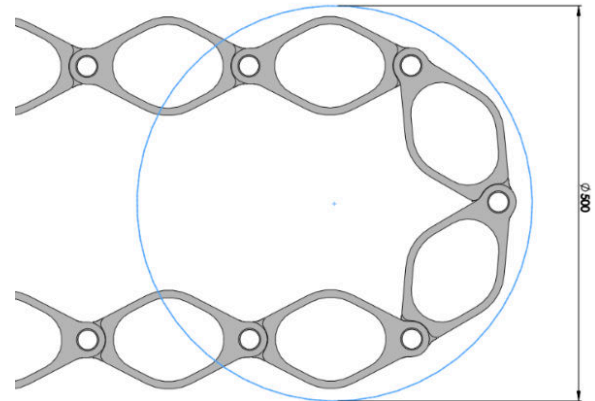


Figure 3: The JibFlex has a bending radius of 250 mm.

Specifications		
Weight of JibFlex		
• JibFlex modules	kg	304
• Stork	kg	12
• Total	kg	316
WLL at last module	kg	105
Max radius	m	7
Maximum deflection cause by WLL	m	0.11
Safety factor including DAF	-	1.95
Maximum hoist speed	m/s	Unlimited
Installation requirements		
• A	m	0.825
• B	m	0.733
• Fx	N	26500
• Fy	N	4500
Bending Radius	m	0.25