

Datasheet for JibFlex: JF 150-7

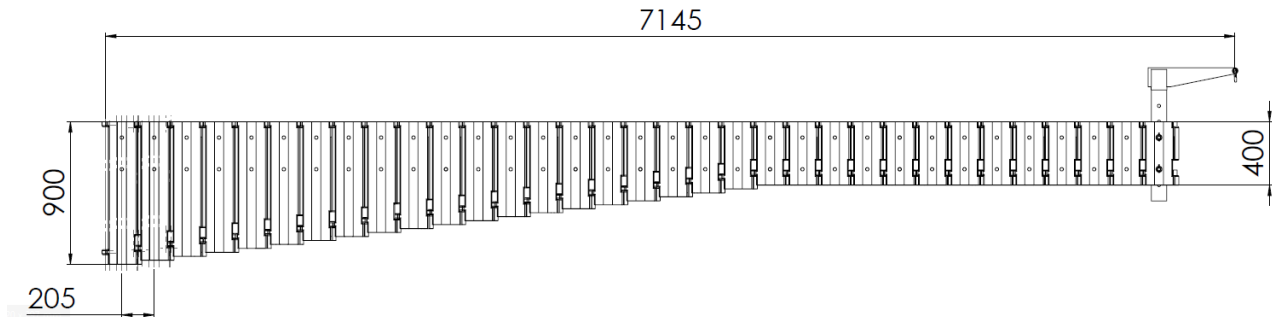


Figure 1: Basic dimensions of JF 150-7.

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	500	500
Profile Height [m]	0.900	0.875	0.850	0.825	0.800	0.775	0.750	0.725	0.700	0.675	0.650	0.625	0.600	0.575
Profile Mass [kg]	15.7	15.3	14.9	14.5	14.0	13.6	13.2	12.8	12.3	11.9	11.5	11.1	10.7	10.2
Deflection from WLL [m]	< 0.02	< 0.02	< 0.02	< 0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.06	0.07

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]	500	490	455	420	395	365	345	320	300	280	265	250	230	215
Profile Height [m]	0.550	0.525	0.500	0.475	0.450	0.425	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400
Profile Mass [kg]	9.8	9.4	9.0	8.6	8.1	7.7	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	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.12	0.12	0.13

Module No.	29	30	31	32	33
Lifting Radius [m]	6.325	6.530	6.735	6.940	7.145
WLL [kg]	205	190	175	165	150
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]	0.13	0.13	0.13	0.13	0.13

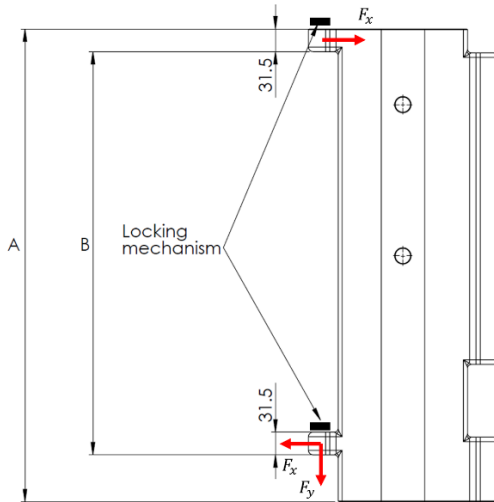


Figure 2: Following structural requirements applies to the supporting structure. The reactions are omnidirectional and without safety factor.

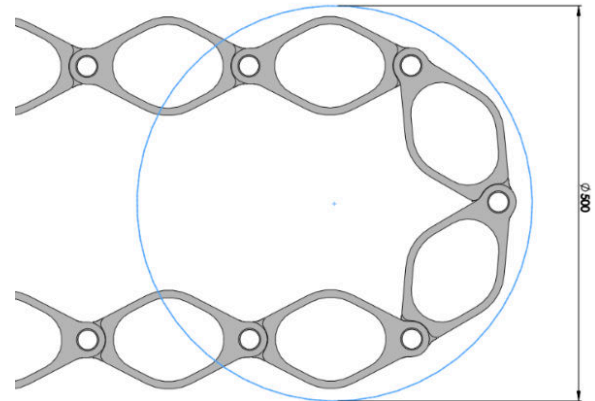


Figure 3: The JibFlex has a bending radius of 250 mm.

Specifications		
Weight of JibFlex		
• JibFlex modules	kg	328
• Stork	kg	12
• Total	kg	340
WLL at last module	kg	150
Max radius	m	7
Maximum deflection cause by WLL	m	0.13
Safety factor including DAF	-	1.56
Maximum hoist speed	m/s	0.05
Installation requirements		
• A	m	0.900
• B	m	0.808
• Fx	N	27000
• Fy	N	5000
Bending Radius	m	0.25