

Datasheet for JibFlex: JF 50-7

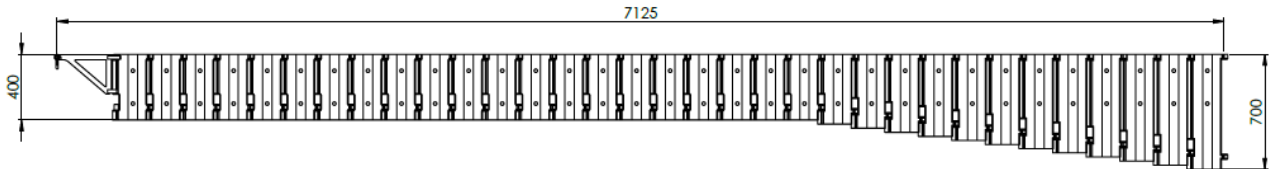


Figure 1: Basic dimensions of JF 50-7.

The lifting eye, called the stork, can be mounted in any module allowing optimisation of every lift. The Stork must always be mounted on the outer module.

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	450	410	375	345
Profile Height [m]	0.700	0.675	0.650	0.625	0.600	0.575	0.550	0.525	0.500	0.475	0.450	0.425	0.400	0.400
Profile Mass [kg]	12.3	11.9	11.5	11.1	10.7	10.2	9.8	9.4	9.0	8.6	8.1	7.7	7.3	7.3
Deflection from WLL [m]	< 0.02	< 0.02	< 0.02	< 0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05

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]	315	290	270	250	230	215	200	185	170	160	145	135	125	115
Profile Height [m]	0.400	0.400	0.400	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]	7.3	7.3	7.3	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]	0.05	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08

Module No.	29	30	31	32	33
Lifting Radius [m]	6.325	6.530	6.735	6.940	7.145
WLL [kg]	105	95	90	80	70
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]	0.08	0.08	0.08	0.08	0.08

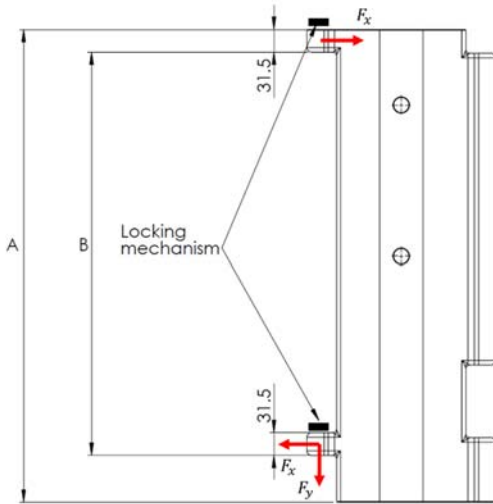


Figure 2: Following structural requirements applies to the supporting structure. The reactions are omnidirectional and characteristic loads that includes dynamic amplification factor (DAF) but without partial coefficients / safety factor.

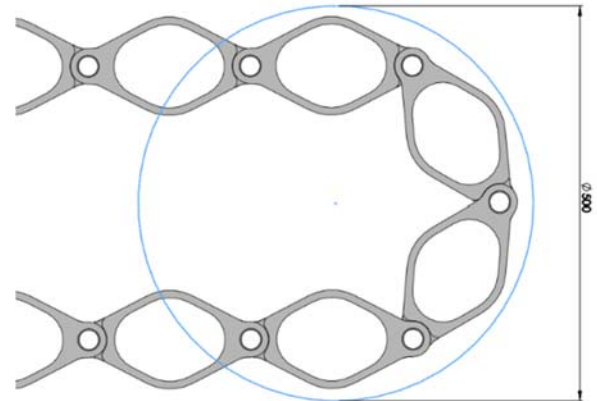


Figure 3: The JibFlex has a bending radius of 250 mm.

Specifications		
Weight of JibFlex		
• JibFlex modules	kg	272
• Stork	kg	12
• Total	kg	284
WLL at last module	kg	50
Max radius	m	7
Maximum deflection cause by WLL	m	0.08
Safety factor including DAF	-	1.95
Maximum hoist speed	m/s	Unlimited
Installation requirements		
• A	m	0.700
• B	m	0.608
• Fx	N	23500
• Fy	N	7500
Bending Radius	m	0.25

Part List

A complete JibFlex consists of the following:

Main Parts

Part Number	ID	Description	Quantity
1	M-700-1	Module 1	1
2	M-675-1	Module 2	1
3	M-650-1	Module 3	1
4	M-625-1	Module 4	1
5	M-600-1	Module 5	1
6	M-575-1	Module 6	1
7	M-550-1	Module 7	1
8	M-525-1	Module 8	1
9	M-500-1	Module 9	1
10	M-475-1	Module 10	1
11	M-450-1	Module 11	1
12	M-425-1	Module 12	1
13	M-400-1	Module 13-33	21
14	S-006	Stork, six holes*	1

Replacements of any main parts requires new load test.

* The standard stork has six holes.

Spare Parts

Part Number	ID	Description	Quantity
15	S-015	Ø19 Lockpins	2
16	S-013	Ø16 Shackle	1
17	S-014	Linchpin	6
18	PB-001	Bushings with flange	66
19	LB-001-1	LockBrackets Ø44 67,5	33
20	LB-008-1	LockBracket tool	1

Spare parts can be replaced during daily maintenance.

Spare Parts, optional

Part Number	ID	Description	Quantity
	S-008	Stork, eight holes	1
	S-003	Delta Stork	1
	WH-001	Flexhose	1
	WH-002	M6 bolt	33
	WH-003	M6 washer	33
	WH-004	Flexhose Clip	33
	AP-001-1	Standard bracket	2

Version 02

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