

# Datasheet for JibFlex: JF 100-5



Figure 1: Basic dimensions of JF 100-5.

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	475	420	375	340	310	280	255
Profile Height [m]	0.575	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
Profile Mass [kg]	10.2	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
Deflection from WLL [m]	<0.02	<0.02	<0.02	<0.02	0.02	0.03	0.03	0.04	0.05	0.05	0.05	0.06	0.06	0.06

Module No.	15	16	17	18	19	20	21	22	23
Lifting Radius [m]	3.455	3.660	3.865	4.070	4.275	4.480	4.685	4.890	5.095
WLL [kg]	235	215	195	180	165	155	140	130	115
Profile Height [m]	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
Deflection from WLL [m]	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07

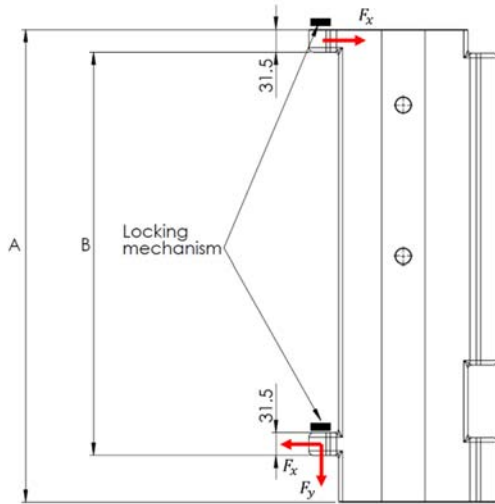


Figure 2: Following structural requirements applies to the supporting structure. The reactions are omnidirectional and characteristic loads that includes dynamic amplification factor (DAF) but without partial coefficients / safety factor.

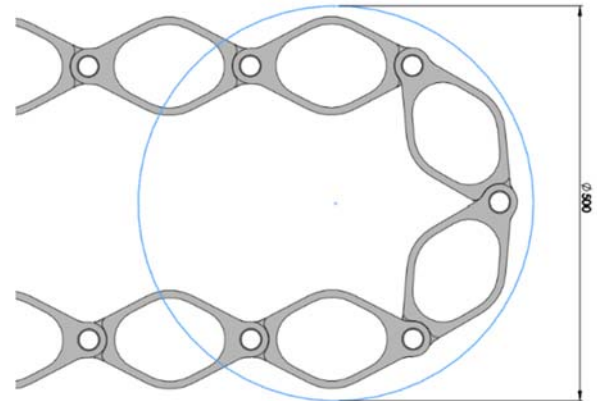


Figure 3: The JibFlex has a bending radius of 250 mm.

Specifications		
<b>Weight of JibFlex</b>		
• JibFlex modules	kg	178
• Stork	kg	12
• Total	kg	190
<b>WLL at last module</b>	kg	115
<b>Max radius</b>	m	5
<b>Maximum deflection cause by WLL</b>	m	0.07
<b>Safety factor including DAF</b>	-	1.95
<b>Maximum hoist speed</b>	m/s	Unlimited
<b>Installation requirements</b>		
• A	m	0.575
• B	m	0.483
• Fx	N	24500
• Fy	N	7500
<b>Bending Radius</b>	m	0.25

## Part List

A complete JibFlex consists of the following:

### Main Parts

Part Number	ID	Description	Quantity
1	M-575-1	Module 1	1
2	M-550-1	Module 2	1
3	M-525-1	Module 3	1
4	M-500-1	Module 4	1
5	M-475-1	Module 5	1
6	M-450-1	Module 6	1
7	M-425-1	Module 7	1
8	M-400-1	Module 12-23	16
9	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
10	S-015	Ø19 Lockpins	2
11	S-013	Ø16 Shackle	1
12	S-014	Linchpin	6
13	PB-001	Bushings with flange	46
14	LB-001-1	LockBrackets Ø44 67,5	23
15	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	23
	WH-003	M6 washer	23
	WH-004	Flexhose Clip	23
	AP-001-1	Standard bracket	2