

# Datasheet for JibFlex: JF 150-5

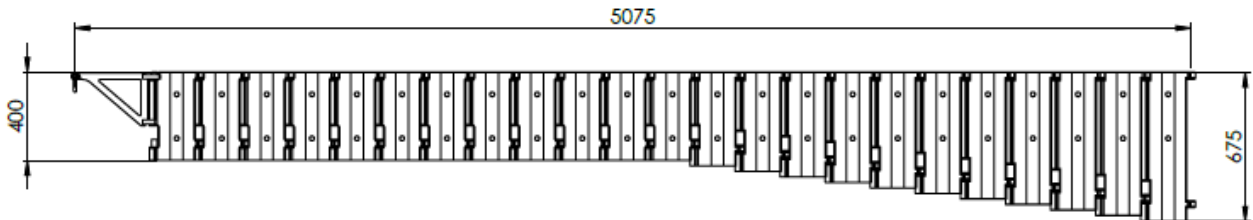


Figure 1: Basic dimensions of JF 150-5.

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   | 500   | 500   | 475   | 430   | 390   | 355   | 325   |
| Profile Height [m]      | 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 | 0.400 |
| Profile Mass [kg]       | 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   | 7.3   |
| 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  | 0.06  |

| 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]                | 300   | 280   | 255   | 235   | 220   | 205   | 190   | 175   | 160   |
| 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] | 0.07  | 0.07  | 0.07  | 0.07  | 0.08  | 0.08  | 0.08  | 0.08  | 0.08  |

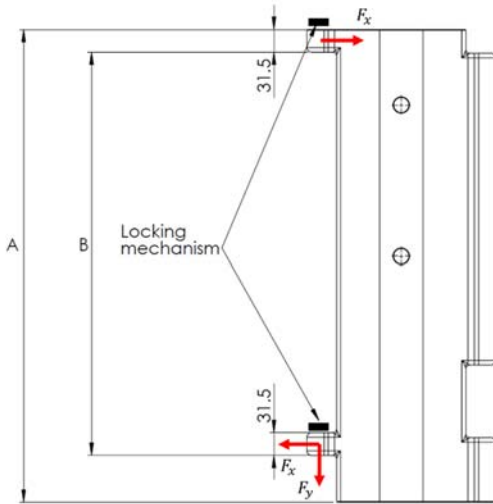


Figure 2: Following structural requirements applies to the supporting structure. The reactions are omnidirectional and characteristic loads that includes dynamic amplification factor (DAF) but without partial coefficients / safety factor.

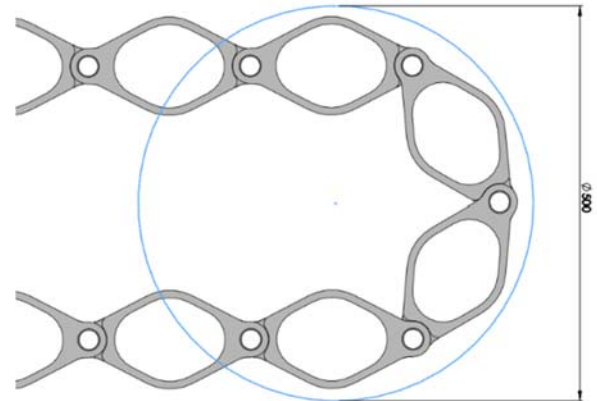


Figure 3: The JibFlex has a bending radius of 250 mm.

| Specifications                         |     |           |
|--|-----|-----------|
| <b>Weight of JibFlex</b>               |     |           |
| • JibFlex modules                      | kg  | 194       |
| • Stork                                | kg  | 12        |
| • Total                                | kg  | 206       |
| <b>WLL at last module</b>              | kg  | 160       |
| <b>Max radius</b>                      | m   | 5         |
| <b>Maximum deflection cause by WLL</b> | m   | 0.08      |
| <b>Safety factor including DAF</b>     | -   | 1.95      |
| <b>Maximum hoist speed</b>             | m/s | Unlimited |
| <b>Installation requirements</b>       |     |           |
| • A                                    | m   | 0.675     |
| • B                                    | m   | 0.583     |
| • Fx                                   | N   | 26000     |
| • 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-675-1 | Module 1          | 1        |
| 2           | M-650-1 | Module 2          | 1        |
| 3           | M-625-1 | Module 3          | 1        |
| 4           | M-600-1 | Module 4          | 1        |
| 5           | M-575-1 | Module 5          | 1        |
| 6           | M-550-1 | Module 6          | 1        |
| 7           | M-525-1 | Module 7          | 1        |
| 8           | M-500-1 | Module 8          | 1        |
| 9           | M-475-1 | Module 9          | 1        |
| 10          | M-450-1 | Module 10         | 1        |
| 11          | M-425-1 | Module 11         | 1        |
| 12          | M-400-1 | Module 12-23      | 12       |
| 13          | S-006-1 | 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 |
|-------------|----------|-----------------------|----------|
| 14          | S-015    | Ø19 Lockpins          | 2        |
| 15          | S-013    | Ø16 Shackle           | 1        |
| 16          | S-014    | Linchpin              | 6        |
| 17          | PB-001   | Bushings with flange  | 46       |
| 18          | LB-001-1 | LockBrackets Ø44 67,5 | 23       |
| 19          | 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        |

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