



JIB
FLEX®

MATERIALS
Handling Working with ease™

JIBFLEX

Adding efficiency & safety to manual handling

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JibFlex is an innovative and flexible jib arm that allows the operator to carry up to 500 kg and freely move the payload through gaps and openings, around corners and obstacles.

With JibFlex, which is a portable and mobile lifting tool, you can avoid manual handling operations in applications and situations where no conventional lifting beam or crane can operate due to limitations of space.

Installation of the JibFlex is fast and easy, requiring only minimal training of the operators. If the JibFlex is permanently installed, it can be stored along a wall or even coiled up around itself to avoid taking up space when idle.

JibFlex is manually operated.

For the operator

- Easy and fast installation and dismantling of the JibFlex
- Simplified lifting plans
- Ergonomically improved working environment

For the supervisor

- Increased safety for operators
- Less time spent on lifting operations
- Minimal and simple training of personnel

For the management

- Significantly improved working environment for all staff
- Increased efficiency in lifting operations
- The same lifting equipment can be used in various applications, thus minimising the need for alternative solutions on site



Safety first!

JibFlex literally takes the load of the shoulders of the operators, thereby reducing the risk of injuries.

THE A TO Z OF JIBFLEX

Adding efficiency & safety
to manual handling.

Numerous possibilities of securing the interface between
the JibFlex and the application in which it operates:

- Welded hinges directly on structure
- Welded bracket on structure
- Floor-mounted column
- Semi-mobile platforms



If the application offers no extra space above the JibFlex,
the lifting eye may alternatively be in level with the
modules of the JibFlex. However, this solution fits only the
smallest modules with 400 mm height.



The JibFlex consists of aluminium modules that are
attached to each other and secured by lock brackets.

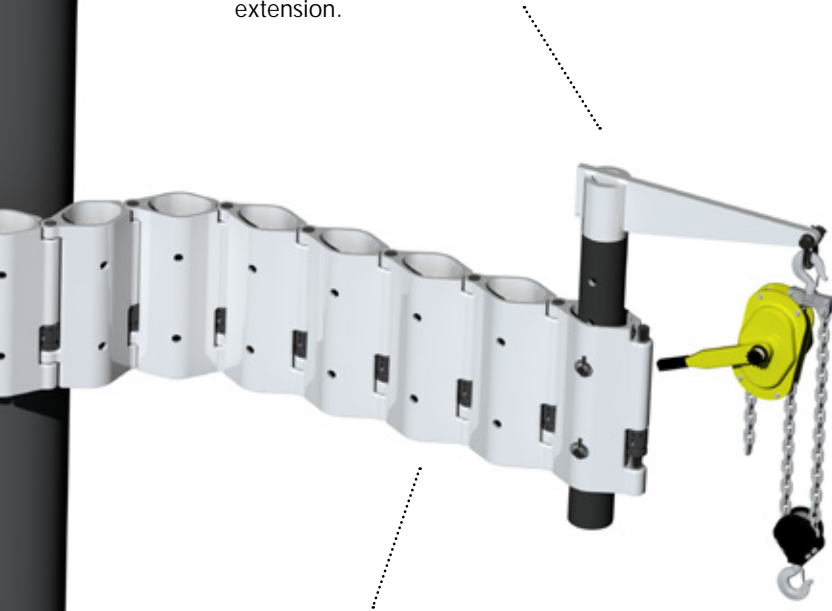
Each module can turn 62 degrees against the
other, allowing the JibFlex to turn around
itself with a turning diameter of only half a
metre.



Carries up to **500 kg**

Working radius up to **7 m**

The lifting eye is called the stork. The stork fits into all modules of the JibFlex and is easily installed and locked into place by two lock-pins. This allows a lifting process in all radii from the anchoring point of the JibFlex to the point of maximum extension.



The JibFlex can be extended to reach out 7 m from the anchoring point. In this working radius, it can carry up to 150 kg. In a 3 m working radius, it can carry up to 500 kg. Please note that the working load limit (WLL) is defined as the payload plus the weight of the hoist mechanism.

Configure your JibFlex to suit any situation

The JibFlex comes in 41 different configurations. All you need to know is your working radius and the WLL in the specific distance.

WLL kg / lbs	Radius (m / ft)					
	2 / 7 8 modules	3 / 10 13 modules	4 / 13 18 modules	5 / 16 23 modules	6 / 20 28 modules	7 / 23 33 modules
50 / 110	JF 050-2	JF 050-3	JF 050-4	JF 050-5	JF 050-6	JF 050-7
100 / 220	JF 100-2	JF 100-3	JF 100-4	JF 100-5	JF 100-6	JF 100-7
150 / 331	JF 150-2	JF 150-3	JF 150-4	JF 150-5	JF 150-6	JF 150-7
200 / 441	JF 200-2	JF 200-3	JF 200-4	JF 200-5	JF 200-6	
250 / 551	JF 250-2	JF 250-3	JF 250-4	JF 250-5		
300 / 661	JF 300-2	JF 300-3	JF 300-4	JF 300-5		
350 / 772	JF 350-2	JF 350-3	JF 350-4			
400 / 882	JF 400-2	JF 400-3	JF 400-4			
450 / 992	JF 450-2	JF 450-3				
500 / 1102	JF 500-2	JF 500-3				

Jib arms highlighted in orange are designed for use with manual hoist only.

For all available jib arm configurations, access to 3D drawings and technical documentation, please contact our sales team at sales@materialshandling.com.au.

JIBFLEX APPLICATIONS

JibFlex brings value to numerous applications through its unique design.

The JibFlex takes over where conventional cranes and lifting tools give up due to lack of space or limitations and obstacles induced by the application itself. Here is a non-conclusive list of applications:



Wind turbine nacelles and platforms



Work shop containers



Armed vehicles in the defense industry



Marine engine rooms



Side-loaded CNC machines



Navy applications



Oil rigs and platforms



Trucks



Industrial applications with confined space



THE JIBFLEX STORY

The idea for JibFlex came up during an offshore project in the North Sea. Welding brackets of 150 kg each needed to be transported from a vessel onto a platform of a wind turbine. From there, they had to go through a door and be lowered down a hatch. Here, the brackets should be positioned so that the welder could do his job.

A number of conventional crane alternatives were considered for the job, but it turned out that there was no existing solution in the market that could do this. This led to the idea of creating an articulated jib arm that could perform all the lifting procedures in one single operation.

The JibFlex was now a reality, and ever since it has improved the efficiency of lifting operations as well as the safety for workers in applications where space and the nature of the application offer limitations and obstacles.

MATERIALS
Handling PTY LTD *Working with ease.*



Please contact Materials Handling Pty Ltd for more information on how to implement JibFlex in your operation in order to improve the overall efficiency and safety.

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