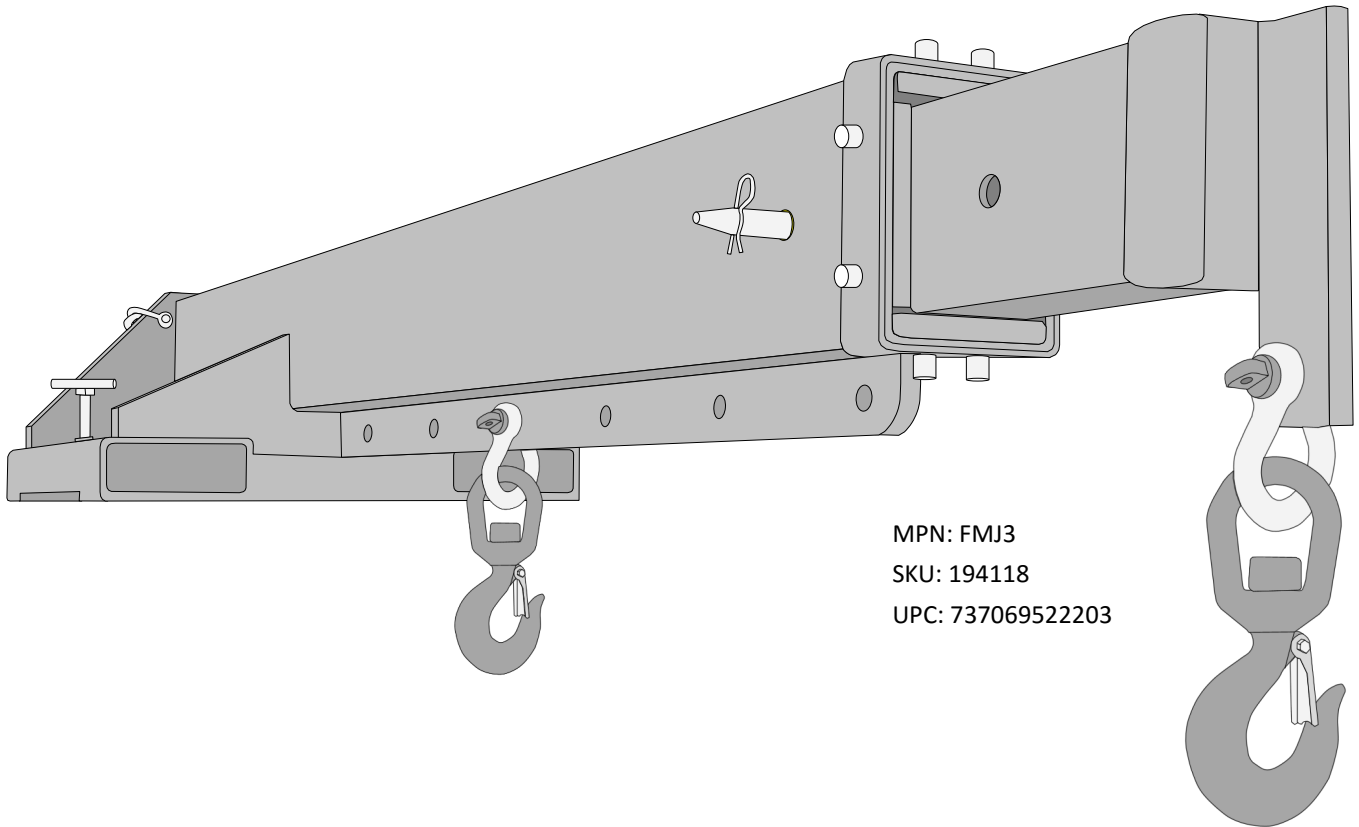




TITAN

ATTACHMENTS

FORKLIFT JIB
INSTRUCTION MANUAL



MPN: FMJ3
SKU: 194118
UPC: 737069522203

| | |
|--|--|
| <p>Fork Hook</p> <p>Capacity: 5500lbs</p> | <p>⚠ WARNING!</p> <p>READ AND FOLLOW THIS LABEL AND SUPPLIED INSTRUCTION SHEET BEFORE USING</p> <p>DO NOT USE TO LIFT PERSONNEL</p> <p>DO NOT LEAVE SUSPENDED LOAD UNATTENDED</p> |
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The Titan Forklift Jib is installed on the forklift by inserting both forks fully into the fork pockets so that the rear of the Jib is against the back of the fork. If equipped with "Fork Pin Tabs", insert locking pins behind the heel of each fork and secure with hair pins. If equipped with a "safety chain", wrap chain around a strong part of the forklift carriage keeping chain as level as possible. Chain angle must not exceed 45°. Take as many wraps as needed to take up the slack, then hook the chain back onto itself making sure the open part of the grab hook is pointing down.

General Precautions

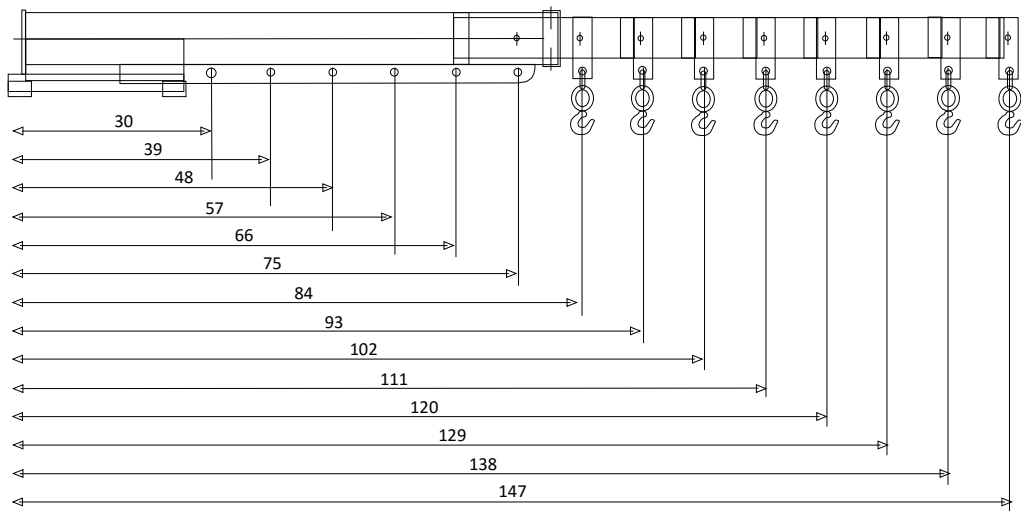
1. Forklift operator must be properly trained and have required certifications.
2. Before using the Jib check to see that it is properly secured to the forklift as described above and that the shackles and hooks are properly secured to the Jib and screw pins are tight.
3. Determine that the loads to be handled are within the capabilities of the forklift. Keep in mind that rated capacities will likely decrease when the boom is in a raised position, or when the mast is tilted forward, or in the case of telehandlers, when the boom is extended.
4. Forks should be level or tipped upward (never down below level) when using the jib.
5. Do not pull loads. Booms designed for vertical lift only.
6. The load should always be carried low and kept from swinging using tag lines as necessary. When a load is raised; extreme caution should be exercised as the forklift is far more vulnerable to tipping with a raised load.
7. Any time the load is raised make sure the forklift is on level, firm footing.
8. Check Jib boom extension lock pin to make sure it is functioning properly. Make sure spring has proper tension to keep pin engaged.
9. Refer to the forklift operator's manual for more information on handling elevated loads as well as information for safe and proper forklift operation.
10. Each time before use check all shackles and hooks, make sure cotter pins are installed properly. And shackle screw pins are tight.
11. Always comply with all local, state, and federal Safety regulations.
- 12. DO NOT USE JIB IN ANY WAY TO CARRY OR ELEVATE PERSONNEL!**

Forklift Load Capacities

Care must be taken not to exceed the capacity of the forklift. When handling a load with the jib, the load center is moved out away from the standard forklift load center (typically 24") which significantly reduces the lift capacity of the forklift. In addition the weight of the jib has been added which also further reduces forklift capacity.

There are two ways to determine the reduced lift capacities when using the Titan Forklift Crane. The most preferable and most accurate is to contact the forklift manufacturer or certified professional engineer for a de-rated load capacity chart. If this is not available, simple foot pound calculations can be made to estimate the reduced load capacities. For example, a forklift that is rated in the desired lift position at 8000 lbs (at a 2 ft load center) has a lift capacity of 16000 foot lbs. (2 ft X 8000 lbs.) To calculate the forklift de-rated capacity when using our Titan Forklift Crane at its maximum extension of 12'3", simply deduct the 2093 foot lbs for the weight of the jib (cg of 4.63 ft x 452 lbs weight of jib = 2093 ft lbs) from the 16000 ft lbs and then divide the remainder by the new 12.25 foot load center, which gives us 1135 lbs de-rated lift capacity for an 8,000 lb Forklift with the Titan Forklift Crane extended. The chart below shows these reduced capacity calculations for several forklift capacities.

| Hook Position | Distance | Horz. CG Inches | <ol style="list-style-type: none"> Determine Forklift Capacity (@ 24" load center) from your forklift's load chart for applicable fork & mast position. Bold figures at top of columns represent your forklift's capacity at the relevant fork & mast position. Read de-rated capacity when using Jib in respective column. | | | | | | | |
|---------------|----------|--------------------|---|-------|-------|-------|-------|-------|--------|--------|
| | | | 2,000 | 3,000 | 4,000 | 5,000 | 6,000 | 8,000 | 10,000 | 12,000 |
| 1 | 2'6" | 36.31 | 1057 | 1857 | 2657 | 3457 | 4257 | 5857 | 7457 | 9057 |
| 2 | 3'3" | 36.31 | 813 | 1428 | 2044 | 2659 | 3275 | 4505 | 5736 | 6967 |
| 3 | 4'0" | 36.31 | 661 | 1161 | 1661 | 2161 | 2661 | 3661 | 4661 | 5661 |
| 4 | 4'9" | 36.31 | 556 | 977 | 1398 | 1819 | 2240 | 3082 | 3925 | 4767 |
| 5 | 5'6" | 36.31 | 480 | 844 | 1208 | 1571 | 1935 | 2662 | 3389 | 4117 |
| 6 | 6'3" | 36.31 | 423 | 743 | 1063 | 1383 | 1703 | 2343 | 2983 | 3623 |
| 7 | 7'0" | 36.31 | 377 | 663 | 949 | 1234 | 1520 | 2092 | 2663 | 3234 |
| 8 | 7'9" | 40.20 | 341 | 599 | 857 | 1115 | 1373 | 1889 | 2405 | 2921 |
| 9 | 8'6" | 42.25 | 311 | 546 | 781 | 1016 | 1252 | 1722 | 2193 | 2664 |
| 10 | 9'3" | 45.00 | 285 | 502 | 718 | 934 | 1150 | 1583 | 2015 | 2448 |
| 11 | 10'0" | 48.65 | 219 | 419 | 619 | 819 | 1019 | 1419 | 1819 | 2219 |
| 12 | 10'9" | 50.00 | 203 | 389 | 576 | 762 | 948 | 1320 | 1692 | 2064 |
| 13 | 11'6" | 52.17 | 190 | 364 | 538 | 712 | 886 | 1234 | 1581 | 1929 |
| 14 | 12'3" | 55.57 | 178 | 342 | 505 | 668 | 832 | 1135 | 1485 | 1811 |



| | | | | | | | | | | | | | | |
|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Length Positions (Inches) | 30 | 39 | 48 | 57 | 66 | 75 | 84 | 93 | 102 | 111 | 120 | 129 | 138 | 147 |
| Capacity (lbs) | 6614 | 5070 | 4112 | 3457 | 2983 | 2624 | 2339 | 2112 | 1927 | 1770 | 1638 | 1523 | 1429 | 1336 |