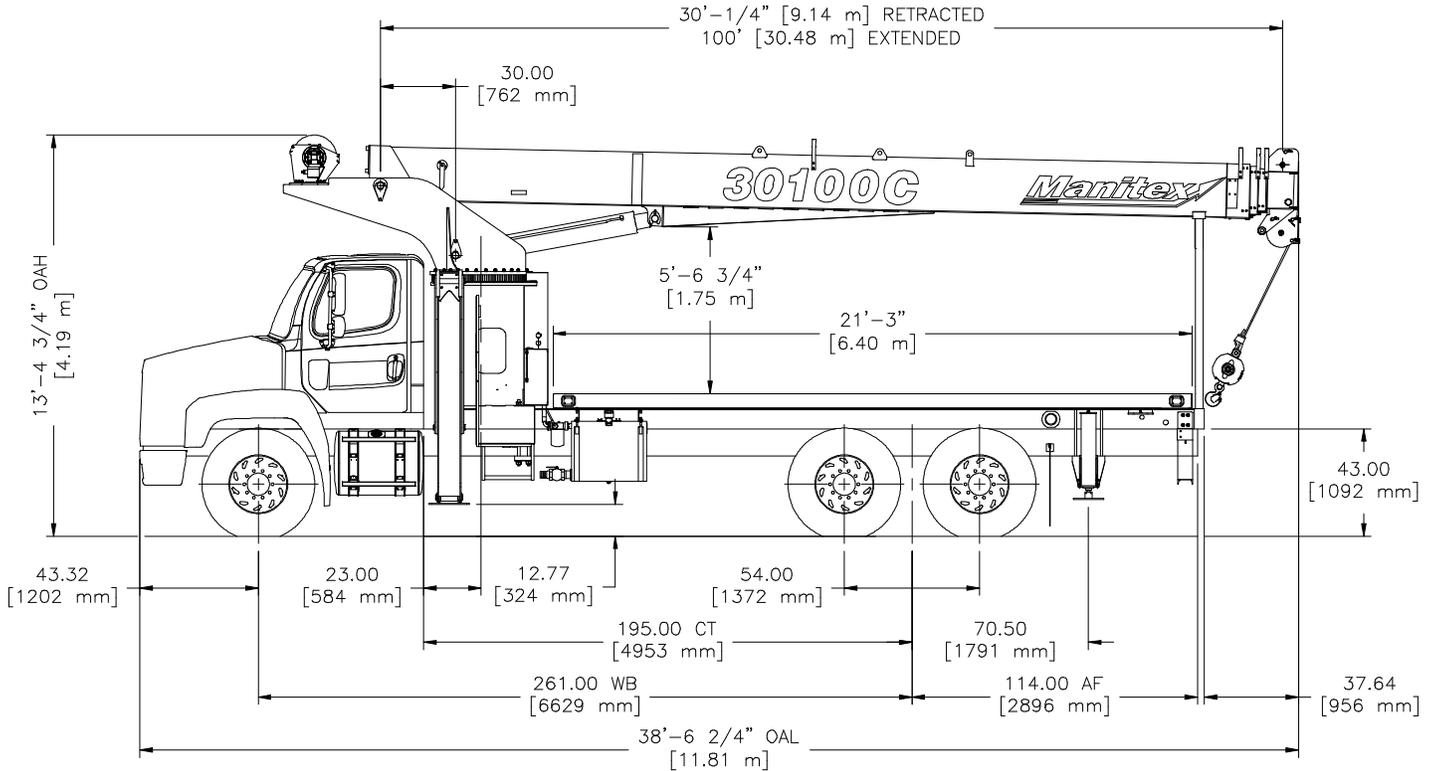


# 30102C / 30100C CHASSIS

## 30100C Model Shown



## CRANE WEIGHTS

Total Crane 30102C A-Frame	22,212 lbs. (10,075 kg)
Total Crane 30102C Out & Down	23,040 lbs. (10,451 kg)
Total Crane -30100C A-Frame	22,485 lbs. (10,199 kg)
Total Crane -30100C Out & Down	23,047 lbs. (10,454 kg)
Flatbed 22 ft. (6,7 m):	2,552 lbs. (1,144 kg)
Fixed jib: 26 ft. (7,9 m):	832 lbs. (377 kg)
Telescoping jib: 26 ft. (7,92 m) to 46 ft. (14,0 m):	1,220 lbs. (553 kg)

## CHASSIS DATA

Wheel Base (WB)	261 in. (6,629 mm)
Cab to Tandem (CT)	195 in. (4,877 mm)
After Frame (AF)	114 in. (2,896 mm)
Nominal frame width	34 in. (864 mm)
Frame Section Modulus at 180/360° area of operation*	30 in. <sup>3</sup> (491.6 cm <sup>3</sup> ) 110,000 psi (758,423 kPa)

\*Frame selection modulus at 360° area of operation requires front bumper stabilizer.

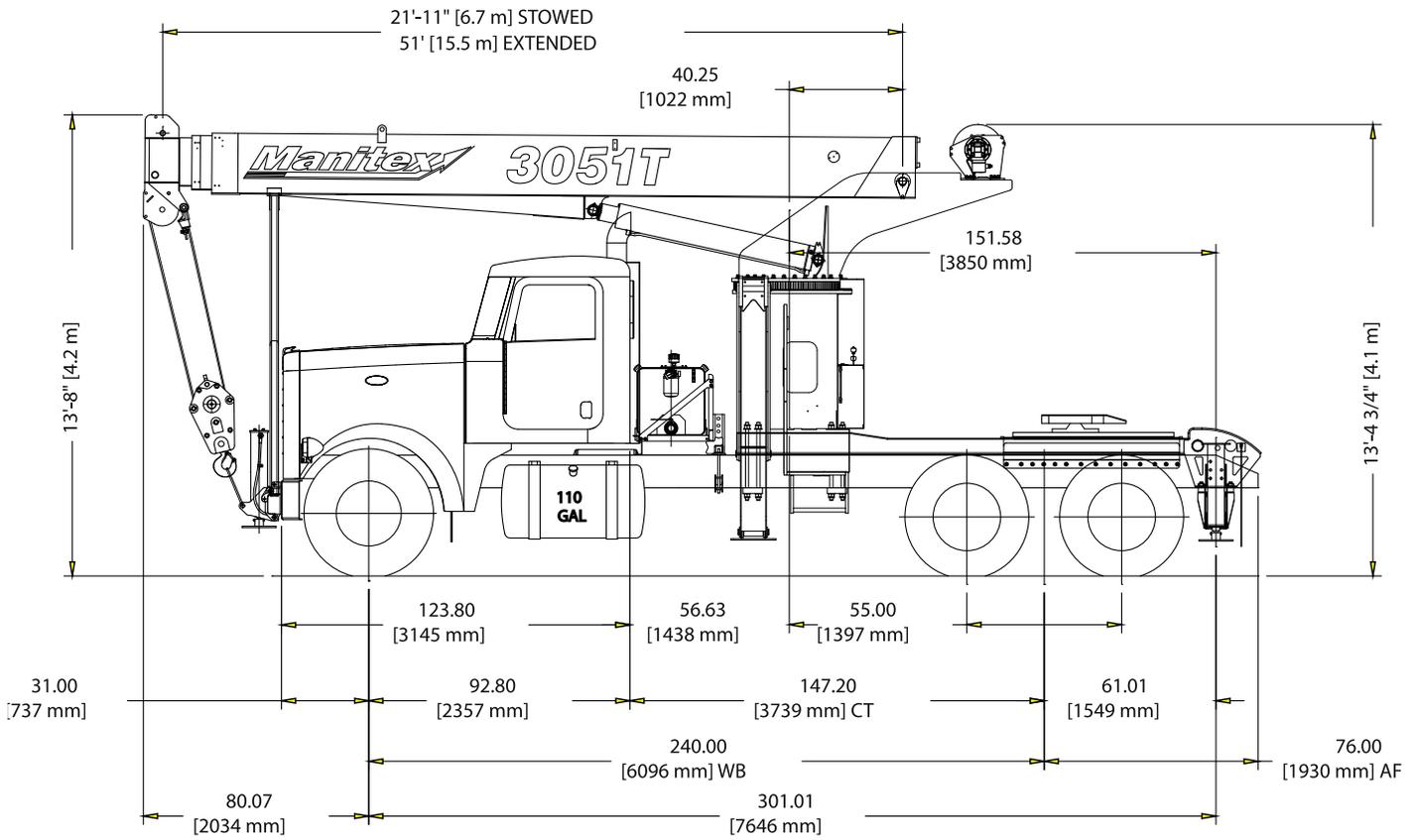
## TRUCK AXLE WEIGHT

Minimum truck axle weight - Front**	8,400 lbs. (3,810 kg)
Minimum truck axle weight - Rear**	8,400 lbs. (3,810 kg)
Front Axle Gross Weight Rating	18,000 lbs. (8,165 kg)
Rear Axle Gross Weight Rating	34,000 lbs. (15,422 kg)

\*\*Minimum chassis weight is required to meet 85% stability requirements. Chassis data is general - not for engineering. Some dimensions depend on truck selection.  
Notes: Additional axles required for federal bridge legal configuration - consult Manitex. Manitex highly recommends addition of a front stabilizer and may be required on some installations - consult Manitex.

# 3051T CHASSIS

## 3051T Dimensions



### CRANE WEIGHT

Total crane (standard):	16,129 lbs. (7,316 kg)
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### CHASSIS DATA

Wheel Base (WB)	240 in. (6,096 mm)
Cab to Tandem (CT)	147.2 in. (3,739 mm)
After Frame (AF)	76 in. (1,930 mm)
Nominal frame width	34 in. (864 mm)
Frame Section Modulus at 180/360° area of operation*	110,000 psi (758,423 kPa)

\*Frame selection modulus at 360° area of operation requires front bumper stabilizer.

### TRUCK AXLE WEIGHT

Minimum truck axle weight - Front**	8,400 lbs. (3,810 kg)
Minimum truck axle weight - Back**	8,400 lbs. (3,810 kg)
Front Axle Gross Weight Rating	18,000 lbs. (8,165 kg)
Rear Axle Gross Weight Rating	34,000 lbs. (15,422 kg)

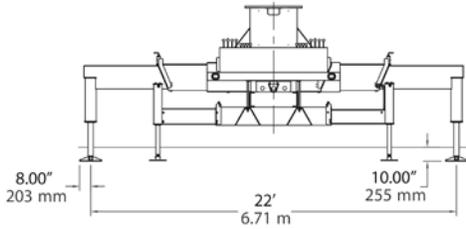
\*\*Minimum chassis weight is required to meet 85% stability requirements. Chassis data is general - not for engineering. Some dimensions depend on truck selection.

Notes: Additional axles required for federal bridge legal configuration - consult Manitex. Manitex highly recommends addition of a front stabilizer and may be required on some installations - consult Manitex.

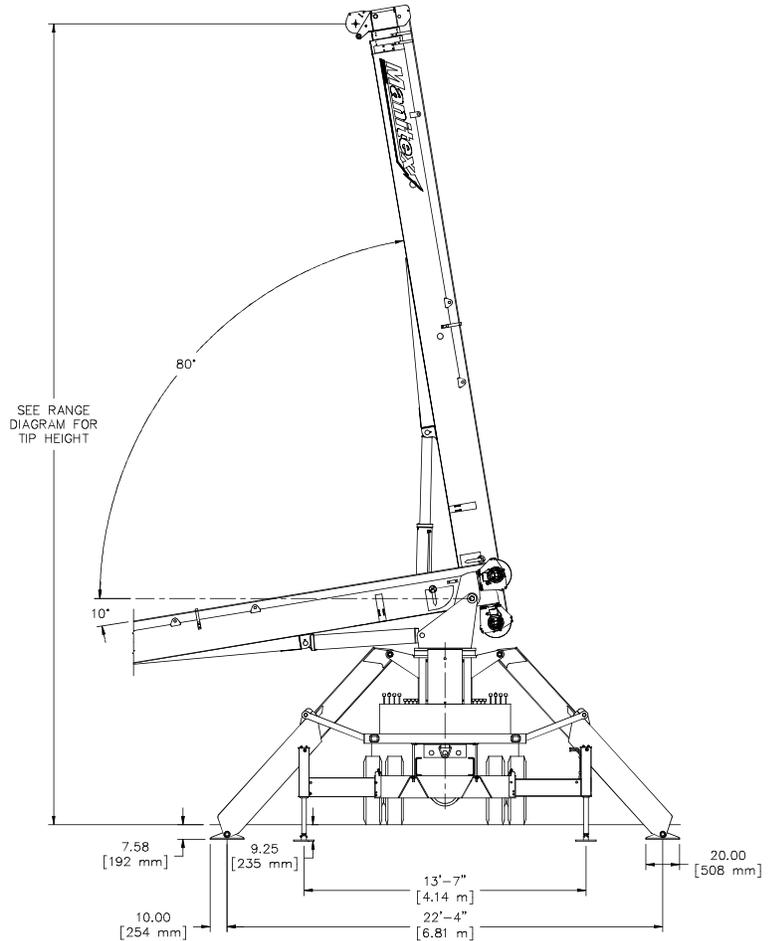


# OUTRIGGER EXTENSION

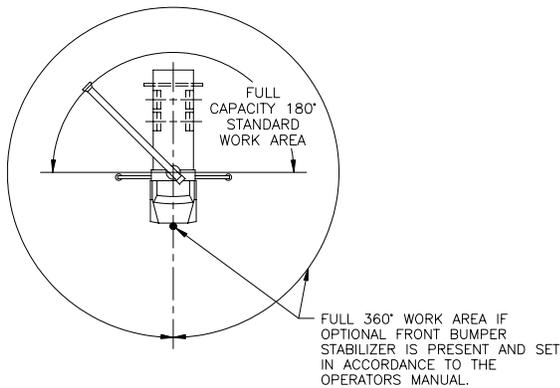
Out and Down Outrigger-Stabilizer Combination Fully Extended (optional)



Standard Outrigger-Stabilizer Combination Fully Extended - Imperial & Metric Units



## AREA OF OPERATION



## Deductions from rated loads for load handling devices supplied by Manitex

Auxiliary block	50 lbs. (22,7 kg)
Auxiliary sheave	50 lbs. (22,7 kg)
Overhaul ball	See overhaul ball mfr. nameplate
Load blocks	See load block mfr. nameplate
Hose reel	140 lbs. (63,5 kg)
Swing around jib	See load chart

**WARNING:** Lifting off the main boom point while the jib is erected is not intended nor approved.

## ALLOWABLE LINE PULL

1 PART LINE	2 PART LINE	3 PART LINE	4 PART LINE	5 PART LINE	6 PART LINE	7 PART LINE	<b>WARNING</b> ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE.  REFER TO THE OWNER'S MANUAL.  KEEP AT LEAST 3 WRAPS OF LOAD LINE ON THE DRUM AT ALL TIMES.  9/16" 6X25 IWRC (3.5:1 SF) - 29750 LBS MIN BREAKING STRENGTH 9/16" ROT RESISTANT (5.0:1 SF) - 38500 LBS MIN BREAKING STRENGTH
8500 LBS	17000 LBS	25500 LBS	34000 LBS	42500 LBS	51000 LBS	60000 LBS	
7700 LBS	15400 LBS	23100 LBS	30800 LBS	38500 LBS	46200 LBS	53900 LBS	

## REEVING DIAGRAM

Data published herein is intended as a guide only. Crane operation is subject to machine specific load charts and information.