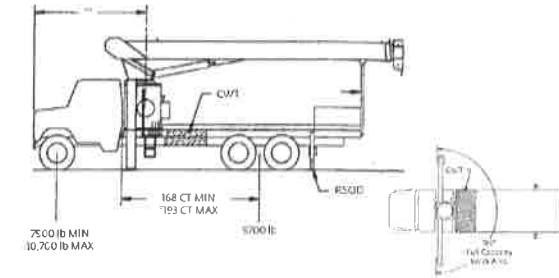


# Mounting configurations

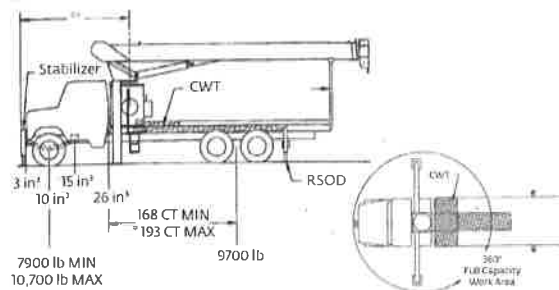
The configurations are based on the Series 1100 with an 85% stability factor. The complete unit must be installed in accordance with factory requirements and a test performed to determine actual stability and counterweight requirements since individual truck chassis vary. Trucks with a frame height in excess of 107 cm (42 in) after mounting will have a final mounted unit height more than 411,5 cm (13.5 ft). Chassis that do not meet these minimum stability weights may require counterweight.



## Configuration 1 – 11105

Working area	180°
Gross Axle Weight Rating Front	8165 kg (18,000 lb)
Gross Axle Weight Rating Rear	15 422 kg (34,000 lb)
Gross Vehicle Weight Rating	23 587 kg (52,000 lb)
Wheelbase	650 cm (256 in)
Cab to Axle/trunnion (CA/CT)	488 cm (192 in)
Frame Section Modulus (SM) under crane with 758 MPa (110,000 PSI)	261 cm <sup>3</sup> (15.9 in <sup>3</sup> )
Frame Section Modulus (SM) over rear stabilizers with 758 MPa (110,000 PSI)	213 cm <sup>3</sup> (13.0 in <sup>3</sup> )
Stability Weight, Front	3583 kg (7900 lb) minimum*
Stability Weight, Rear	4400 kg (9700 lb) minimum*
Estimated Average Final Weight	21 001 kg (46,300 lb)

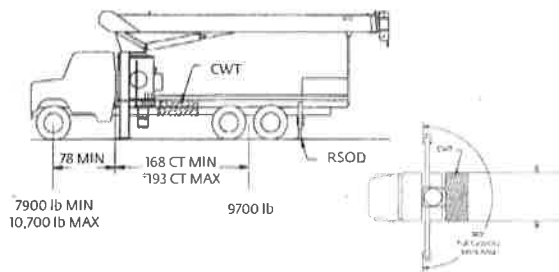
This configuration allows the installation of the Series 11105 by using the subbase for a 6,71 m (22 ft) bed.



## Configuration 2 – 11105 with SFO (Extended front frame rails required for SFO installation.)

Working area	360°
Gross Axle Weight Rating Front	7257 kg (18,000 lb)
Gross Axle Weight Rating Rear	15 422 kg (34,000 lb)
Gross Vehicle Weight Rating	23 587 kg (52,000 lb)
Wheelbase	650 cm (256 in)
Cab to Axle/trunnion (CA/CT)	488 cm (192 in)
Frame Section Modulus (SM) under crane with 758 MPa (110,000 PSI)	426 cm <sup>3</sup> (26.0 in <sup>3</sup> )
Frame Section Modulus (SM) over rear stabilizers with 758 MPa (110,000 PSI)	245 cm <sup>3</sup> (15.0 in <sup>3</sup> )
Stability Weight, Front	3583 kg (7900 lb) minimum*
Stability Weight, Rear	4400 kg (9700 lb) minimum*
Estimated Average Final Weight	21 001 kg (46,300 lb)

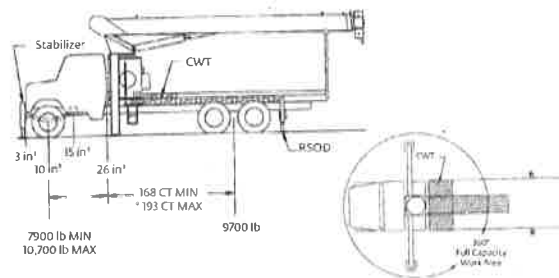
This mount requires front stabilizer for full capacity 360° around the truck. Front stabilizer gives the machine a solid base, helping the operator control loads precisely. This configuration requires a 6,71 m (22 ft) bed.



## Configuration 3 – 1195

Working area	180°
Gross Axle Weight Rating Front	8165 kg (18,000 lb)
Gross Axle Weight Rating Rear	15 422 kg (34,000 lb)
Gross Vehicle Weight Rating	23 587 kg (52,000 lb)
Wheelbase	625 cm (246 in)
Cab to Axle/trunnion (CA/CT)	427 cm (168 in)
Frame Section Modulus (SM) under crane with 758 MPa (110,000 PSI)	261 cm <sup>3</sup> (15.9 in <sup>3</sup> )
Frame Section Modulus (SM) over rear stabilizers with 758 MPa (110,000 PSI)	213 cm <sup>3</sup> (13.0 in <sup>3</sup> )
Stability Weight, Front	3583 kg (7900 lb) minimum*
Stability Weight, Rear	4400 kg (9700 lb) minimum*
Estimated Average Final Weight	20 321 kg (44,800 lb)

This configuration allows the installation of the Series 1195 on a chassis with a small frame by using a subbase for a 6,10 m (20 ft) bed or a different subbase for a 6,71 m (22 ft) bed.



## Configuration 4 – 1195 with SFO (Extended front frame rails required for SFO installation.)

Working area	360°
Gross Axle Weight Rating Front	8165 kg (18,000 lb)
Gross Axle Weight Rating Rear	15 422 kg (34,000 lb)
Gross Vehicle Weight Rating	23 587 kg (52,000 lb)
Wheelbase	625 cm (246 in)
Cab to Axle/trunnion (CA/CT)	427 cm (168 in)
Frame Section Modulus (SM) under crane with 758 MPa (110,000 PSI)	426 cm <sup>3</sup> (26.0 in <sup>3</sup> )
Frame Section Modulus (SM) over rear stabilizers with 758 MPa (110,000 PSI)	213 cm <sup>3</sup> (13.0 in <sup>3</sup> )
Stability Weight, Front	3583 kg (7900 lb) minimum*
Stability Weight, Rear	4400 kg (9700 lb) minimum*
Estimated Average Final Weight	20 321 kg (44,800 lb)

This configuration allows the installation of the 1195 on a chassis by using a subbase for a 6,10 m (20 ft) bed or a different subbase for a 6,71 m (22 ft) bed. This mount requires front stabilizer for full capacity 360° around the truck. Front stabilizer gives the machine a solid base, helping the operator control loads.

### Notes:

- Gross Vehicle Weight rating (GVWR) is dependent on all components of the vehicle (axles, tires, springs, frame, etc.) meeting manufacturers' recommendations; always specify GVWR when purchasing trucks
- Diesel engines require a variable speed governor and energize-to-run fuel solenoid for smooth crane operation; electronic fuel injection requires EET engine remote throttle

- All mounting data is based on a National Crane Series 1100 with an 85% stability factor
- The complete unit must be installed in accordance with factory requirements, and a test performed to determine actual stability and counterweight requirements per SAE J765; contact the factory for details
- Transmission neutral safety interlock switch is required with optional remote control

\*Estimated axle scale weights prior to installation of crane, stabilizers and subbase for 85% stability.

\*\*If the distance from the front bumper (SFO) to center of rotation exceeds (366 cm 144 in), the (12.19 m 40 ft) overall truck length restriction will be exceeded. Overall length restrictions vary from state to state. In some states it is legal to be more than (12.18 m 40 ft) in length, and some states allow overlength permits.