

Sto-Away Power Cranes®
Specifications **
Quickset Jr., 10, 15, & 20©

Revised 01/01/09

Truck/Van Style: These Quick Set Pedestal/Corner mount Crane/Van cranes shall be bed mounted pedestal cranes for **Service Bodies, High Cube Van Bodies, Dump Beds and Flat Beds**

Minimum Safety Requirements *:

Safety Placards / All Pinch Points *: The crane shall have pictorial warning placards at all the known hazard areas thus protecting the operator from known pinch-point areas when folding away the crane. Placards must meet **Federal and ANSI Z535 standards for pictorial warning decals.**

Aircraft Quality Retention Keepers *: The crane must have on all load bearing pivot pins aircraft quality locking retention keepers.

Plastic Hand Control: The unit shall include a plastic 3 prong hand control.

Square mounting base: This feature shall be 16" square base with (4) 10 X 3 triangular gussets to further support the pedestal column. The base shall have (4) ¾" diameter mounting holes at each of the corners of the base.

Crane Construction:

The cranes boom shall be no less than **ASTM A-500 GRADE B** high grade structural tubing and **ASTM A-36** carbon alloy plate for the cranes housing.

Mounting / Wiring: The crane shall come complete with all of the wiring; auto reset circuit breakers, mounting brackets, and hardware.

Crane Construction:

The crane bearing housing shall be machined to 11" in length of **Seamless DOM Alloy 1026 certified steel.** Machined grease ports to allow lubrication directly to the rotational bearings.

Pulleys shall be 3" in diameter or greater plus contain replaceable bushings. *The crane's boom assembly shall be attached with a minimum ½" diameter clevis pin, and held in place by a locking aircraft type keeper.

Crane Features:

Crane's Rotation *: Shall be **360** degrees rotation right or left.

The crane shall have 5 elevations settings from horizontal to 61 degrees of elevation.

The crane shall have a self ratcheting elevation system that can be set without setting a lock pin through the cranes body. (Quickset Jr. excluded)

The Cranes boom will have 5 boom extension points. The crane will have 25 manually adjusted work points (Quickset Jr. excluded)

The crane shall have a **Posi-Lock Mast©** feature that will enable the operator to lock the crane in place every **22 1/2** degrees throughout its rotation and **stay locked in position until the lever is shifted and the operator takes control of the load.**

JR. quickset®: The crane's payload capacity shall be 500 lb. and clearly marked on the crane's boom and shall have a 70" horizontal maximum reach.

Quickset Jr., 10, 15, & 20®

Quickset 10®: The crane's payload capacity shall be 1,000 lb. and clearly marked on the crane's boom and shall have a 72" horizontal maximum reach.

Quickset 15®: The crane's payload capacity shall be 1,500 lb. and clearly marked on the crane's boom and shall have a 72" horizontal maximum reach.

Quickset 20®: The crane's payload capacity shall be 2,000 lb. and clearly marked on the crane's boom and shall have a 72" horizontal maximum reach.

ANSI B30.5 shall be manufactured to applicable standards of ANSI B30.5 for mobile cranes.

Hoist/Cable: The hoist shall be 12 volt DC motor and be controlled by sealed continuous duty cycle contactors.

The hoist shall be controlled by a ten-foot weather resistant pendant control.

The hoist lifting cable will be **7X19** galvanized aircraft cable with a safety hook and length will be from **25'**(optional up to **50'**).

Load Bearing / Rotation / Lubrication *:

The crane's rotation system must contain the following construction requirements:

All rotation bearings shall have external grease zerts for greasing. No dis-assembly required for lubrication and maintenance.

A: The crane must rotate freely using a combination of two sealed needle and a sealed thrust bearing.

B: The needle bearings must meet the following specifications:

- 1) No less than two heavy duty, caged roller with a minimum bearing surface area of **27.475"**.
- 2) Must have double lip grease seal.
- 3) Each bearing must have an external center grease port for complete lubrication.
- 4) The center point of each needle roller bearing shall be **9.250"** to assure a stable base of rotation.

C: The thrust bearing must be sealed with a single center grease port and contain no less than **9.35** square inches of thrust surface area.

Optional Equipment:

BLGL® Winch *: This feature shall assure positive cable attachment to a **3,200 lb.** minimum payload at the maximum extended cable reach for **Below Level Ground Lifting** more than **5 feet** beneath the truck.

Rubber hand control: This feature shall provide a durable and impact resistant hoist control.

Stainless Steel Cable and Hook: Stainless steel cabling can be supplied from **25' to 50'**.

Pedestal Column Height: Working height will be set to the customer's requirement to a maximum of 54". **NOTE: The Quickset Junior has a column included.**

110 volt winch: Can be ordered as a substitution for the 12 volt winch.

Warranty: The crane shall have a One year limited warranty from the date of purchase.

* Denotes Sto-Away's ®exclusive

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