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.**
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.

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