Installation of<br>DYNATEK<br>Loading Systems



## Suggested Tools needed for Install:

-Proper PPE as Required by Facility.
$-15 / 16^{\prime \prime}$ or 35 mm Deep well socket.
-15/16" Open ended wrench.
$-3 / 4$ " or 19 mm open ended wrench.
-Thread Lubricant
-Torque wrench capable of $70 \mathrm{ft} / \mathrm{lbs}-640 \mathrm{ft} / \mathrm{lbs}$
-Impact socket gun(not required,but makes it easier)


Pedestal lifting angles.

Lift pedestal to vertical position.


Lower pedestal into place.


Bolt pedestal down to mounting pad and torque nuts.

## SUGGESTED ASSEMBLY TORQUE VALUES VS. BOLT LOADS



Pedestal arm—right side.


Outboard arm—right side.


Pedestal arm—left side.


Outboard arm—left side.


Align hole in base plate with bolt hole in bearing.


Drop 7/8-9x7" bolt into bearing

There are (2) access holes in base plate to install bolts on right and left sides


Rotate bearing drop in (2) two more bolts.



Remove guard.



Outboard arm install $1 / 2-13 \times 3$ " bolts.

There are (2) two access holes on base plate to install bolts. One on right and one on left sides. (26) Twenty-six $1 / 2-13 \times 3$ " bolts.


Install 1/2-13x3" bolts, rotate bearing.


Outboard bearing with all 1/213X3" bolts installed.


Rotate bearing drop in bolts.


Lift main arm—arm must be level left to right-back to front.


Position main bearing over top of pedestal.

Move bolts or rotate bearing to align with pedestal holes.



Lower arm to top of pedestal. Aligning bolts with holes.


Lower until bolts go thru pedestal plate. Install nuts only on bolts.


Pedestal nuts installed.


Use a $15 / 16$ " or 35 mm open end flat wrench to tighten all the nuts.


Use a $15 / 16$ " or 35 mm deep well socket to tighten all the nuts.



After all nuts are tight it is time to torque the nuts down.


Torque Setting 470 ft lbs or 624 Nm


Out board bearing with bolts installed.


Rotate bearing to align with bolt holes in outboard arm.


Outboard arm must be level right to left and front to back.


Arm must be level.


Lift arm.


Move outboard arm in place.


Align bolts in bearing with bolt holes in the outboard arm.


Using a flat open end wrench $3 / 4$ or 19 mm , tighten bolts-move around the bearing when doing this step.


Using your fingers screw bolts into outboard arm working your way around bearing.


Bolts almost tightened.


Torque bolts to 70 ft lbs or 109 Nm


Install auto greaser main pivot. Only use $-40^{\circ} \mathrm{C}$ grease refill.


Install auto greaser outboard arm. Refill with $-40^{\circ} \mathrm{C}$ grease only.

