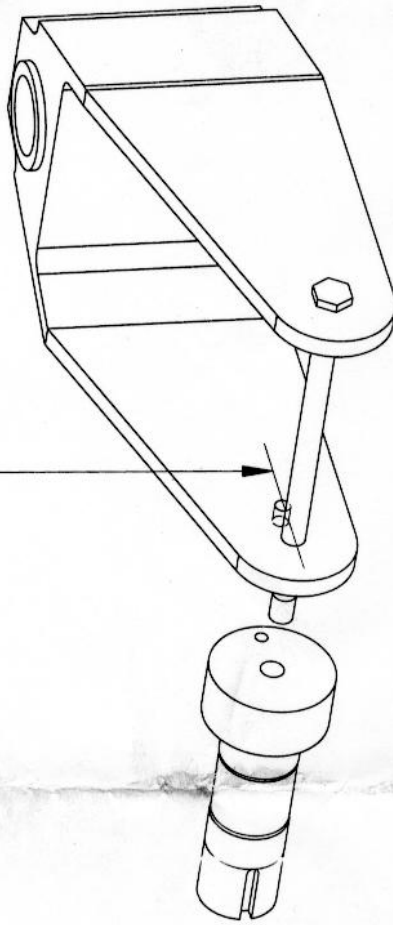


Horizontal Axis



- 1) Remove Wheel.
- 2) Insert AN6 Bolt for Use as a guide. Insert from opposite side used for final installation

3) Slide WHLA24 on to AN6 Bolt with 0.25 inch hole aligned on horizontal axis of the fork hole.



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Woods Cross, Utah 84087 USA

DRAWN BY  
George R. Happ

NOMENCLATURE  
A24 INSTALLATION

MATERIAL  
VARIES

DATE  
12/8/2018

DRAWING NO.  
MANUAL DWG/A24 Install

CHECKED BY  
SHEET 1 OF 5

REVISION  
NC

Est. Wt. (lb)  
-

PART NUMBER  
WHLA24

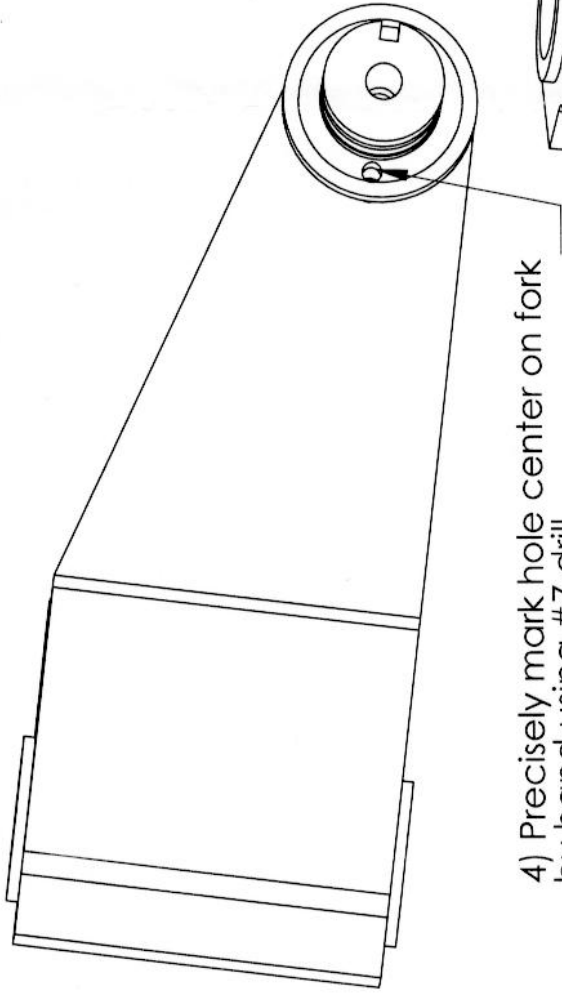
SCALE  
1:4

TOLERANCES  
(EXCEPT AS NOTED)

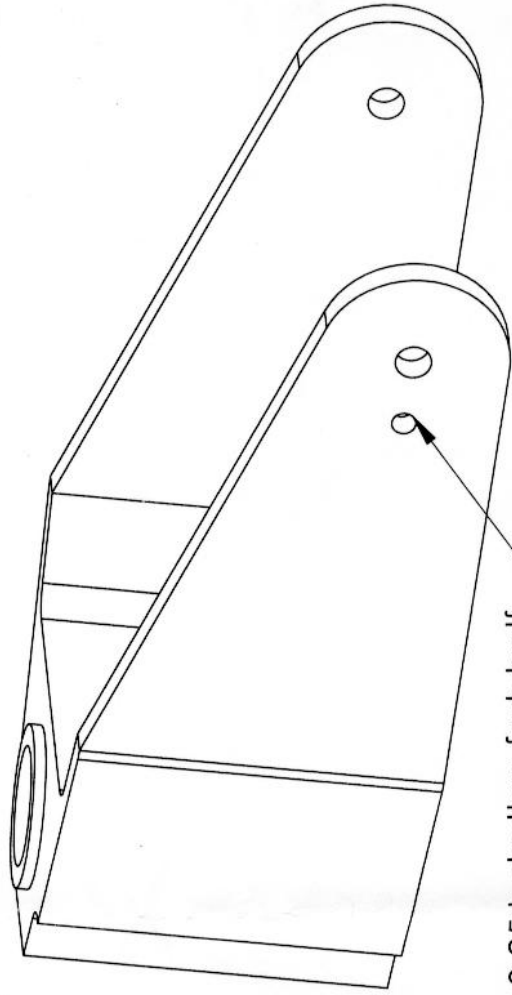
DO NOT SCALE DRAWING  
LINEAR .XX = + .03  
.XXX = + .01  
ANGULAR ± 1/2  
CONCENTRIC ± .01

NEXT ASSY. USED ON QTY

APPLICATION



4) Precisely mark hole center on fork by hand using #7 drill.



5) Drill 0.25 hole thru fork half

NEXT ASSY.	USED ON	QTY
APPLICATION		
SCALE	TOLERANCES (EXCEPT AS NOTED)	
1:4	DO NOT SCALE DRAWING	
Est. Wt. (lb)	REVISION	LINEAR .XX = ± .03
-	NC	.XXX = ± .01
	CHECKED BY	ANGULAR = ± 1/2
	SHEET 2 OF 5	CONCENTRIC = ± .01
	SHEET SIZE	A



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 Woods Cross, Utah 84087 USA  
 DRAWN BY George R. Happ

NOMENCLATURE  
 A24 INSTALLATION

MATERIAL  
 VARIES

DRAWING NO.  
 MANUAL DWG/A24 Install

REVISION  
 NC

SCALE  
 1:4

EST. WGT. (LB)  
 -

DATE  
 12/8/2008

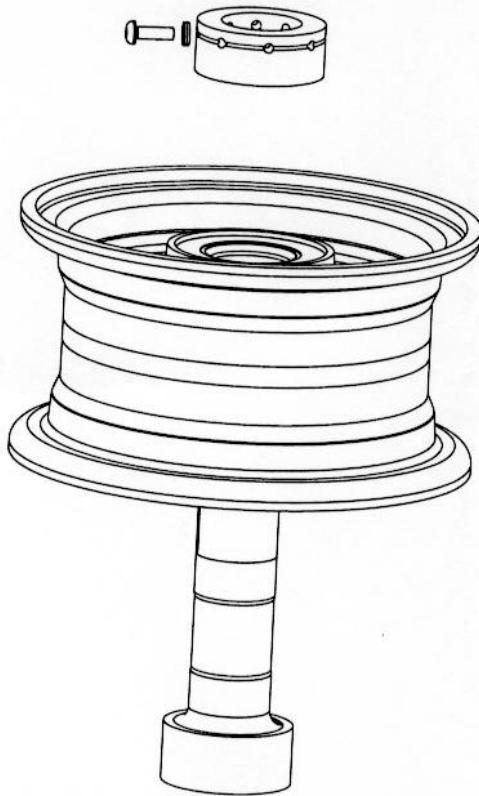
FINISH

PART NUMBER  
 WHLXLE24

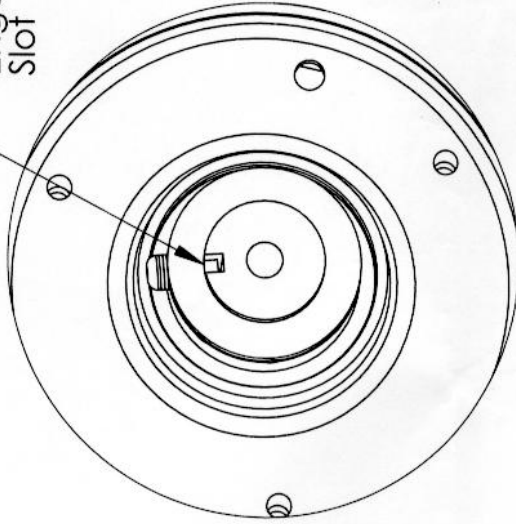
CHECKED BY

SHEET SIZE

A



Lock Screw  
Engages Axle  
Slot



LOCK DETAIL  
SHOWN INSTALLED

- 6) Pack bearings with grease. Apply grease to bearing seal edges and bore. Install bearings into wheel.
- 7) Install axle into wheel (tire not shown)
- 8) Install axle nut. Torque nut so that bearing seals do not rotate with wheel (seal face to stay stationary relative to axle as wheel is rotated)
- 9) Align nearest lock hole with axle slot that maintains preload described in #8
- 10) Insert buttonhead cap screw with Nordloc washer and tighten to prevent rotation.



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DRAWN BY  
George R. Happ

DATE  
12/8/2008

NOMENCLATURE  
A24 INSTALLATION

MATERIAL  
VARIES

PART NUMBER  
WHLAXLE24

DRAWING NO.  
MANUAL DWG/A24 Install

CHECKED BY  
SHEET 3 OF 5  
SHEET SIZE  
A

SCALE  
1:4

Est. Wt. (lb)  
-

REVISION  
NC

TOLERANCES  
(EXCEPT AS NOTED)

DO NOT SCALE DRAWING

LINEAR .XX = ± .03

.XXX = ± .01

ANGULAR  
CONCENTRIC ± 1/2  
± .01

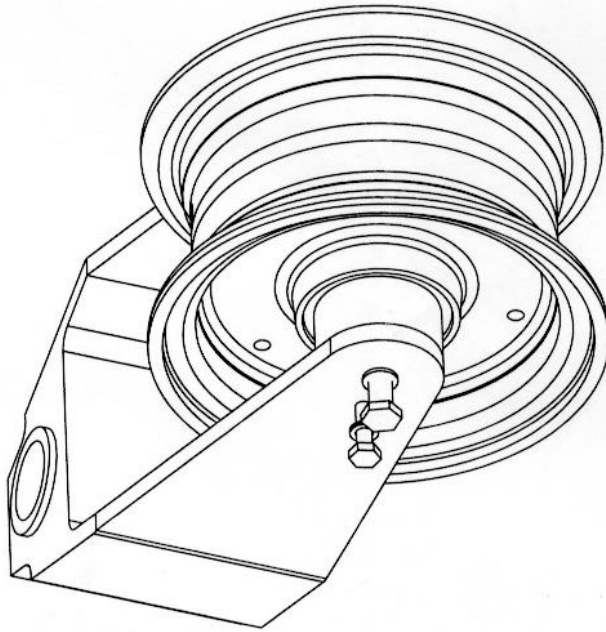
NEXT ASSY.

USED ON

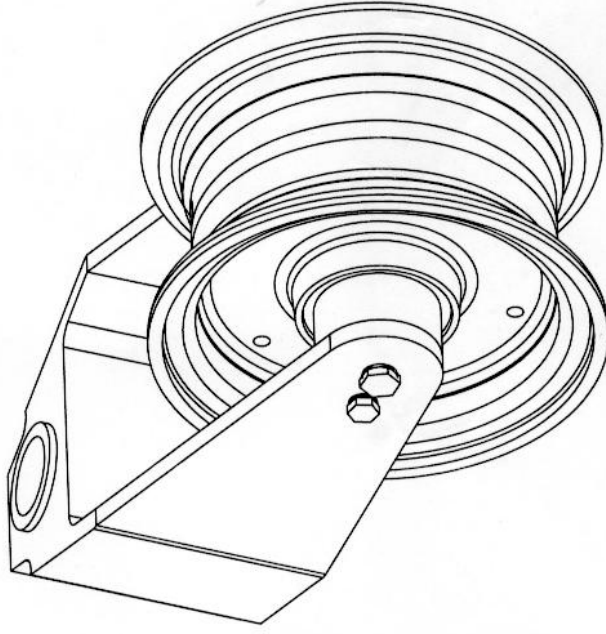
QTY

APPLICATION

Note: Install one WHLA24SP spacer on each end of WHLA24 axle for 5.25 width fork (RV-10)



11) Mount wheel/axle assembly in fork aligning 0.25" fork hole with threaded hole in axle base. Install axle thru-bolt.



12) Set final torques and assembly is ready for use

NEXT ASSY.		USED ON		QTY	
APPLICATION					
SCALE		PART NUMBER		TOLERANCES	
1:8		WHLA24SP		(EXCEPT AS NOTED)	
DRAWING NO.		DRAWING NO.		DO NOT SCALE DRAWING	
MANUAL DWG/A24		MANUAL DWG/A24		LINEAR .XX = ± .03	
INSTALL		INSTALL		ANGULAR .XXX = ± .01	
CHECKED BY		SHEET 5 OF 5		ANGULAR CONCENTRIC	
DATE		SHEET SIZE		A	
12/8/2008		A			
NOMENCLATURE		PART NUMBER		SCALE	
A24 INSTALLATION		WHLA24SP		1:8	
MATERIAL		DRAWING NO.		REVISION	
VARIES		MANUAL DWG/A24		NC	
FINISH		INSTALL		NC	
DRAWN BY		SHEET 5 OF 5		SHEET SIZE	
George R. Happ		A		A	
DATE		SHEET SIZE		A	
12/8/2008		A			
MATERIAL		DRAWING NO.		REVISION	
VARIES		MANUAL DWG/A24		NC	
FINISH		INSTALL		NC	
DRAWN BY		SHEET 5 OF 5		SHEET SIZE	
George R. Happ		A		A	
DATE		SHEET SIZE		A	
12/8/2008		A			

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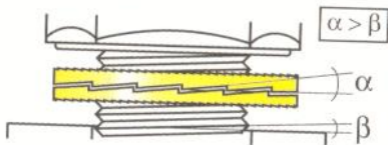


FINISH

# NORD-LOCK®

## Bolt securing system

A unique bolt securing system using tension instead of friction. When the bolt and/or nut is tightened, the teeth grip and seat the mating surfaces. The NORD-LOCK washers are locked in place, allowing movement only across the face of the cams. Any loosening movement of the bolt/ nut is blocked by the wedge effect of the cams.



### NORD-LOCK advantages

- » Achieves maximum safety when locking fasteners
- » Resist loosening caused by vibration/ dynamic load
- » Ease of assembly and disassembly
- » Locking function is not lost by lubrication
- » Positive locking at low and high preload levels

### Available in

Zinc plated, passivated  
Zinc flake coated  
Stainless Steel 316  
Enlarged/ reg. outer diameter  
Pre-assembled pairs

### Dimension range

Steel:  
#5 - 5", M3 - M130  
Stainless steel:  
#5 - 3 1/8",  
M3 - M80