

NOTE: BUILD WHEEL ASSEMBLY FIRST,
THEN ATTACH MOTION HARDWARE

8IN HD PNEUMATIC WHEEL ASSEMBLY (am-3935)

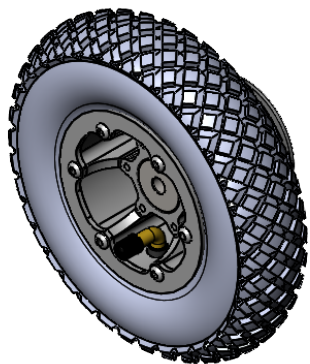
QTY 1 FR6ZZ-L
BEARING
(am-0573)

QTY 12
10-32 x 0.500 BHCS
(am-1676)

QTY 1 TIRE
(am-0972)

QTY 1 8IN HD PNEUMATIC WHEEL
CORE 1.125IN BEARING BORE
(am-3931)
(IN SECTION VIEW)

QTY 2 HD PNEUMATIC WHEEL RING
(am-3930)



QTY 2 42T HTD PULLEY HALF
(am-2234_half)

QTY 1 42T HTD PULLEY EXTENSION
(am-2813)

QTY 6 10-32 x 2.00 SHCS
(am-1049)

QTY 1 R8ZZ BEARING
(am-0181)

QTY 1 SHOULDER SPACER
(am-1519)
[PRESSED INTO BEARING]

QTY 2 250 SPROCKET AND PULLEY SPACER
(am-0207a)

*** SEE CAD FOR ADDITIONAL TOOLPATH INFO***

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES

TOLERANCES:
FRACTIONAL $\pm 1/16$
ANGULAR: MACH $\pm 1^\circ$
ANGULAR: BEND $\pm 5^\circ$
ONE PLACE DECIMAL ± 0.1
TWO PLACE DECIMAL ± 0.01
THREE PLACE DECIMAL ± 0.005
FOUR PLACE DECIMAL ± 0.0005

MATERIAL

FINISH

DO NOT SCALE DRAWING

COMMENTS:

DUAL DIMENSIONS ARE IN MILLIMETERS.

BREAK ALL SHARP EDGES.

CHECKED	NAME	DATE
ENG APPR.	PY	7/28/25
MFG APPR.		
Q.A.		



TITLE:

AM14U5&6 PN8_HD
CORNER WHEEL ASSEMBLY

SIZE
A

DWG. NO.
am-14U5_PN8_HD

REV
1

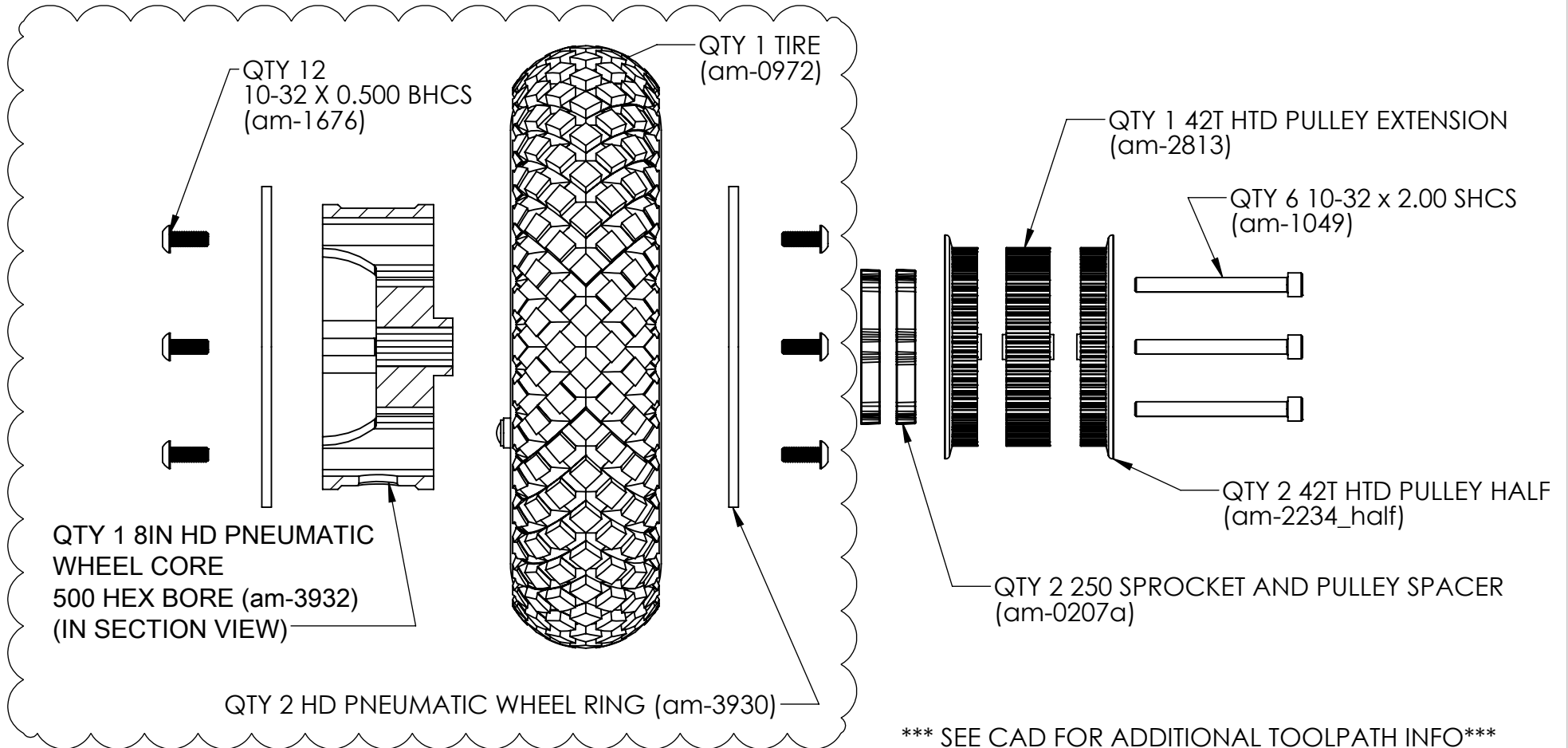
SCALE: 1:2

SHEET 1 OF 3

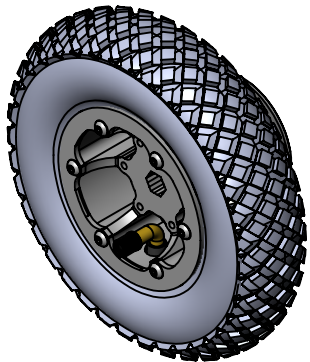
NOTE: BUILD WHEEL ASSEMBLY FIRST,
THEN ATTACH MOTION HARDWARE

8IN HD PNEUMATIC WHEEL ASSEMBLY (am-3936)

REVISION HISTORY			
REV.	DESCRIPTION	DATE	DRAWN
1	ORIGINAL PRINT	7/25/2025	N. MASSOUDA



*** SEE CAD FOR ADDITIONAL TOOLPATH INFO***



UNLESS OTHERWISE SPECIFIED:		COMMENTS:					
DIMENSIONS ARE IN INCHES		DUAL DIMENSIONS ARE IN MILLIMETERS.					
TOLERANCES:		BREAK ALL SHARP EDGES		TITLE: AM14U5&6 PN8_HD CENTER WHEEL ASSEMBLY			
FRACTIONAL	±1/16						
ANGULAR: MACH	±1°						
ANGULAR: BEND	±5°						
ONE PLACE DECIMAL	±0.1						
TWO PLACE DECIMAL	±0.01						
THREE PLACE DECIMAL	±0.005						
FOUR PLACE DECIMAL	±0.0005						
MATERIAL		NAME	DATE	SIZE	DWG. NO.	REV	
FINISH		CHECKED	PY	7/28/25	A	am-14U5_PN8_HD	1
		ENG APPR.					
		MFG APPR.					
DO NOT SCALE DRAWING		Q.A.		SCALE: 1:2	WEIGHT:	SHEET 2 OF 3	

4

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2

1

REVISION HISTORY			
REV.	DESCRIPTION	DATE	DRAWN
1	ORIGINAL PRINT	7/25/2025	N. MASSOUDA

QTY 8 1/4-20 x 0.75 TFS
(am-1310)

QTY 2 3/8-16 NYLOCK NUT
(am-1054)

QTY 1 500HEX x 0.063 SPACER
(am-3948-063)

QTY 1 TOUGHBOX S LONG SHAFT
(am-4731_mag)

QTY 1 500HEX x 0.500 SPACER
(am-3948-500)

QTY 1 CENTER WHEEL ASSEMBLY
(PAGE 2)

QTY 2 500HEX x 1.000 SPACER
(am-3948-1000)

QTY 2 755-5M-15
151 TOOTH BELT
(am-5215_151T)

QTY 2 CORNER WHEEL ASSEMBLY
(PAGE 1)

QTY 4 CHURRO CUT TO 3.875" LONG
(am-3087)

QTY 2 375HEX x 1.000 SPACER
(am-3947-1000)

QTY 2 375HEX x 0.250 SPACER
(am-3947-250)

QTY 1 500HEX x 0.125 SPACER
(am-3948-125)

QTY 1 500HEX HD BEARING
(am-2986)

QTY 2 3/8-16 x 4.75" AXLE BOLT
(am-1395)

AXLE AND CHURRO LOCATIONS

32.3

6.3

2.5

[200]
Ø 7.9

3.0

*** SEE CAD FOR ADDITIONAL TOOLPATH INFO***

UNLESS OTHERWISE SPECIFIED:		COMMENTS:		AndyMark®	
DIMENSIONS ARE IN INCHES		DUAL DIMENSIONS ARE IN MILLIMETERS.			
TOLERANCES: FRACTIONAL ANGULAR: MACH ANGULAR: BEND ONE PLACE DECIMAL TWO PLACE DECIMAL THREE PLACE DECIMAL FOUR PLACE DECIMAL		BREAK ALL SHARP EDGES.		TITLE: AM14U5&6 PN8_HD POWERTRAIN LAYOUT	
MATERIAL			NAME	DATE	SIZE
			PY	7/28/25	DWG. NO.
FINISH					REV
					1
DO NOT SCALE DRAWING					SCALE: 1:4
					SHEET 3 OF 3

4

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