

MODEL NO.	GEAR CASE SUB-ASM	ANGLEHEAD ASM.	TRANSDUCER SUB-ASM.	SHIMS
AEN4C22014CV	24860	25769	31048.001	24855/24856/24857
AEN4C22024CV	24709	25769	31048.003	24855/24856/24857
AEN4F22029CV	24901	31457	31048.004	21091/21092/21093
AEN4F22036CV	24894	31457	31045.001	21091/21092/21093
AEN4F22043CV	24902	31457	31045.003	21091/21092/21093
AEN4F22055CV	24904	31457	31045.005	21091/21092/21093

COMMENTS	ITEM NO.	PART NUMBER	QTY.	DESCRIPTION
	1	28766	1	MOTOR ASSEMBLY
	2	SEE CHART	1	GEAR CASE SUB-ASM.
	3	SEE CHART	1	ANGLE HEAD ASM.
	4	28754	1	LEVER HANDLE
	5	29186	1	COVER, LEVER HANDLE
	6	25763	1	TRANSDUCER ADAPTOR
	7	24780	1	MOTOR COUPLER SUB-ASM.
	8	SEE CHART	1	TRANSDUCER SUB-ASM.
	9	29202	1	TRIGGER CABLE ASM., 6 PIN - 6 PIN
	10	29191	1	TRIGGER/MFG BOARD ASM., 2000-SERIES, GEN 4
	11	28767	1	TOOL CONN. ASM.
	12	30966	1	LED BOARD ASM, i2C
	13	24679	1	RETAINING RNG
	14	24683	1	SPRING, REV BUTTON
	15	25557	1	REV BUTTON SUB-ASSEMBLY
	16	29189	1	TRIGGER SUB-ASM.
	17	31051	1	DOWEL PIN, Ø.094 X .75, GROOVED, STEEL, ZINC PLATED
	18	31061	2	DOWEL PIN, Ø3/32 X 1/4, STEEL
	19	29184	2	DOWEL PIN, Ø.094 X .25, PLASTIC
	20	28760	1	LED COVER
	21	28753	2	MOTOR COVER, SMALL MOTOR O.D.
	22	22141	1	SAFETY LABEL
	23	20132	1	THROTTLE SPRING
	24	27235	2	O-RING, BUNA-N, #28
	25	23753	8	SCREW, FHSC 6-32x5/16, 18-8 SS
	26	25745	5	SCREW, BHSC 4-40 STEEL, BLACK OXIDE
	27	24935	2	SCREW, SHC 4-40 X .25, STEEL, BLACK OXIDE
	28	26078	4	SCREW, SHC 4-40 X 5/16, BLK OXIDE
AEN4C TOOLS ONLY	29	24855	A/R	SHIM .1MM, 14MM ID X 20MM OD
AEN4C TOOLS ONLY	30	24856	A/R	SHIM .2MM, 14MM ID X 20MM OD
AEN4C TOOLS ONLY	31	24857	A/R	SHIM .3MM, 14MM ID X 20MM OD
AEN4F TOOLS ONLY	32	21091	A/R	SHIM, PINION SHAFT, .002 --- 2000 SERIES
AEN4F TOOLS ONLY	33	21092	A/R	SHIM, PINION SHAFT, .005 --- 2000 SERIES
AEN4F TOOLS ONLY	34	21093	A/R	SHIM, PINION SHAFT, .010 --- 2000 SERIES
	35	23741	1	SHIM, OUTPUT, .002 IN, 40 NM
	36	21022	1	SHIM, BLANK OUTPUT SHAFT, 0.005 THK
	37	21021	1	SHIM, BLANK OUTPUT SHAFT, 0.010 THK
	38	20534	1	2000 SERIAL/MODEL LABEL
NOT SHOWN	39	28257	A/R	CABLE TIE, 1.65mm X 71mm
NOT SHOWN	40	25471	1	LABEL SN# COVER, .25 X 4"

- ◆ ASSEMBLY INSTRUCTIONS
- ◊ SUB-ASSEMBLY
- 1) GEARS & SPLINES: LUBRICATE WITH DOW CORNING MOLYKOTE BR2 PLUS GREASE.
- 2) BEARINGS: LUBRICATE WITH CHEVRON SR1 GREASE
- 3) O-RINGS: LUBRICATE WITH O-RING LUBE
- 4) APPLY LOCTITE 222 (PURPLE), TIGHTEN TO 1.0 Nm (9 IN-LBS)



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REVISION LEVEL	REVISION RELEASE DATE	DESCRIPTION OF CHANGES MADE TO PART	ECN #	AUTHOR/ APPROVAL

**UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES**  
 DIMENSIONS AND TOLERANCING PER ANSI Y14.5  
 SURFACE ROUGHNESS PER ANSI Y14.36

**BLOCK TOLERANCING PER DECIMAL:**  
 X = ±.030 XX = ±.010 XXX = ±.005 XXXX = ±.0005  
 ANGLE = ±0°30'

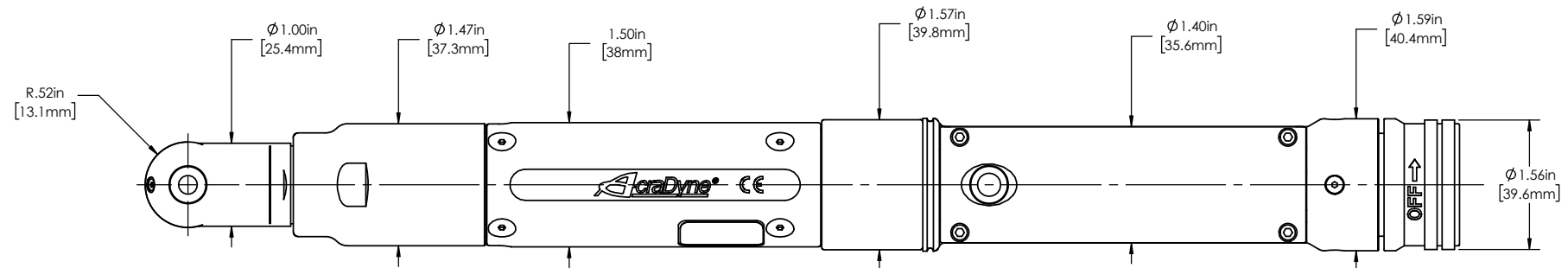
REMOVE BURRS AND SHARP EDGES: R.015 MAX  
 MACHINE SURFACE FINISH: 125 RMS OR BETTER

DRAWINGS AND TECHNICAL DOCUMENTS CONTROLLED BY:  
**ACRADYNE MECHANICAL ENGINEERING**

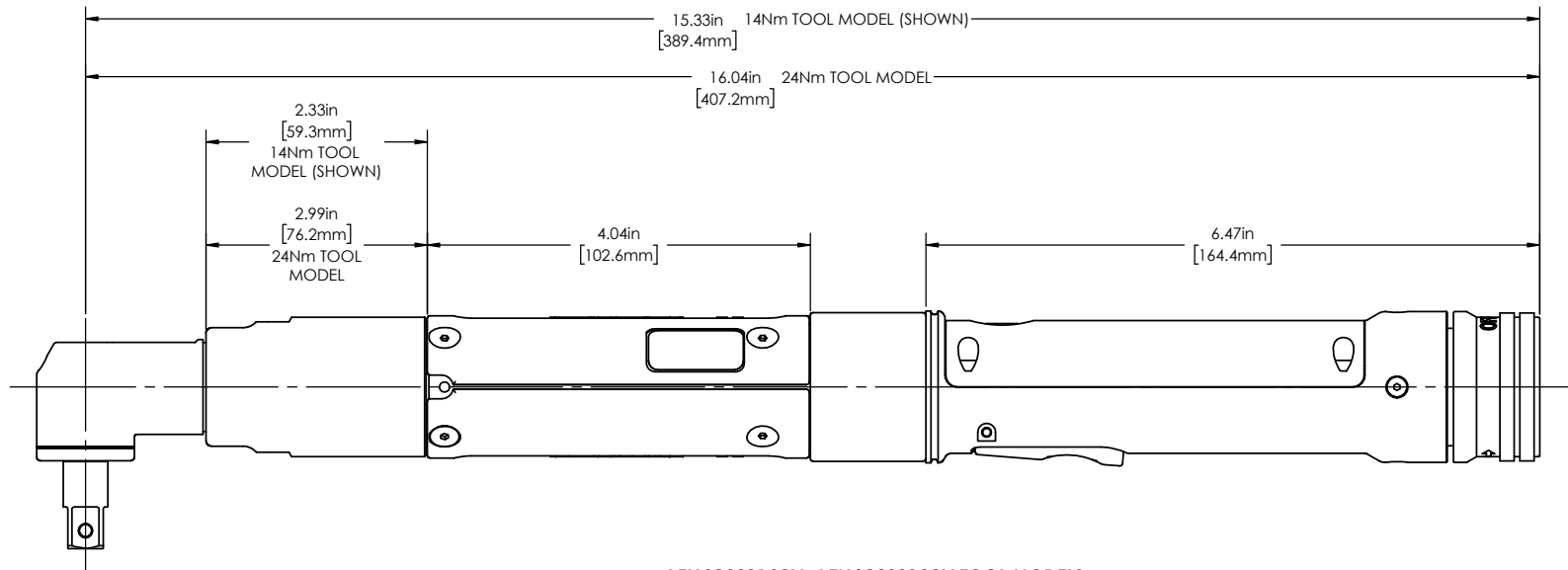
**ANGLE NUTRUNNER, EXT. OUTPUT, 3/8" SQ. DR.**

**GEN 4 2000 SERIES**

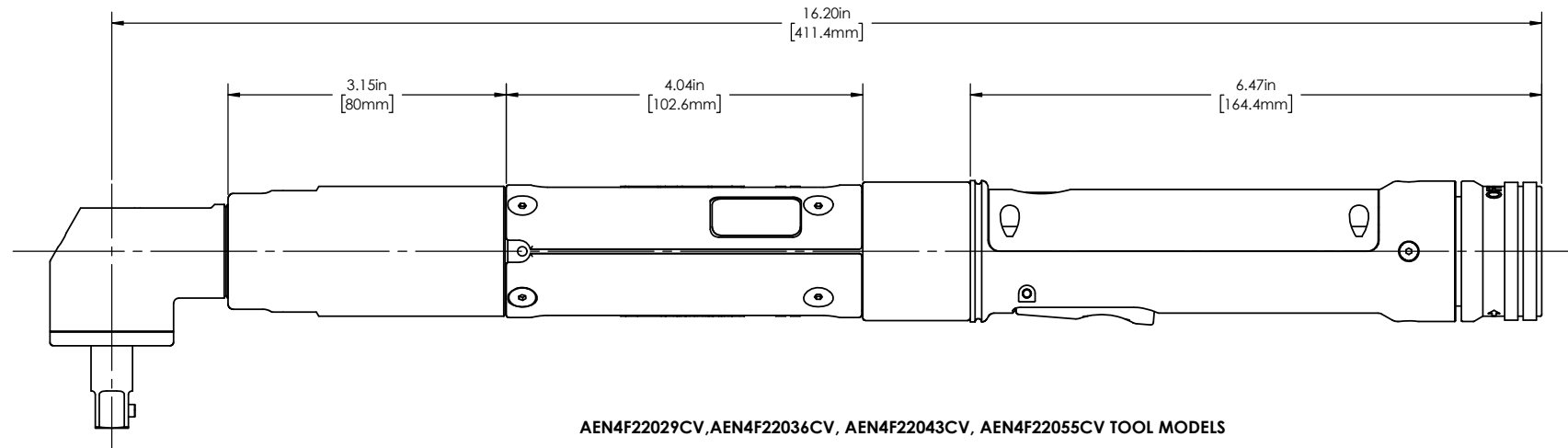
SCALE: 1:1	DO NOT SCALE DRAWING	SHEET 1 OF 2
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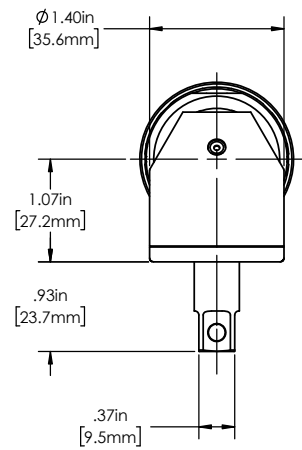
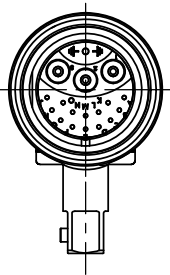
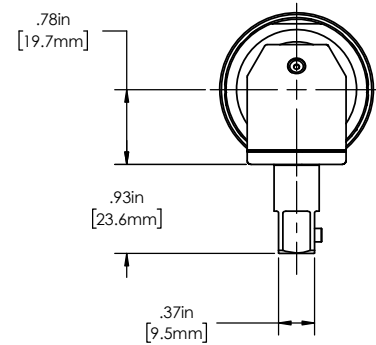
TOOL MODEL NO.
AEN4C22014CV
AEN4C22024CV
AEN4F22029CV
AEN4F22036CV
AEN4F22043CV
AEN4F22055CV



AEN4C22014CV, AEN4C22024CV TOOL MODELS



AEN4F22029CV, AEN4F22036CV, AEN4F22043CV, AEN4F22055CV TOOL MODELS



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**ACRADYNE MECHANICAL ENGINEERING**

**ANGLE NUTRUNNER, EXT. OUTPUT, 3/8" SQ. DR.**  
 GEN 4 2000-SERIES

SIZE	PART / DRAWING NUMBER	REVISION
D	AEN4 220 CV	A

SCALE: 1:1 DO NOT SCALE DRAWING SHEET 2 OF 2

REVISION BLOCK