

GROUND WIRE ATTACHMENT DETAILS

REACTION BAR REQUIRED
OPTIONAL REACTION BARS
AVAILABLE

APPLY LOCTITE 222 (PURPLE)
TIGHTEN TO 1.0 Nm (9 IN-LBS)

TIGHTEN TO 5.4 Nm (48 IN-LBS)

TIGHTEN TO 5.4 Nm (48 IN-LBS)

SECURE TO HOUSING WITH
SILICONE RTV 108

NO LOCTITE
TIGHTEN TO .6Nm (5 IN-LBS)

APPLY LOCTITE 222 (PURPLE)
TIGHTEN TO .6 Nm (5 IN-LBS)
4 PLACES

APPLY LOCTITE 243
TIGHTEN TO 2.8 Nm (25 IN-LBS)

CONNECT FEMALE END TO CONNECTOR ON RING GEAR.
ATTACH GROUND LUG TO TAPPED HOLE IN BOTTOM OF MOTOR ASM.
WITH SCREW (9). FEED MALE END THRU THE BOTTOM HOLE IN MOTOR HOUSING
AND ATTACH IT TO MATING CONNECTOR ON ITEM (5).

NO LOCTITE
TIGHTEN TO .6Nm (5 IN-LBS)
3 PLACES

NO LOCTITE
TIGHTEN TO .6 Nm (5 IN-LBS)

SEE "GROUND WIRE ATTACHMENT DETAILS"

TIGHTEN TO .3 (3 IN-LBS)

APPLY LOCTITE 243
TIGHTEN TO 2.3 Nm (20 IN-LBS)

APPLY LOCTITE 243
TIGHTEN TO 20 Nm (15 FT-LBS)
SEE ORIENTATION PG. 2
SEE "GROUND WIRE ATTACHMENT DETAILS"

MODEL NO.	GEARBOX ASM.
AEP4A884200B	28112
AEP4A884200B1	28113
AEP4A885000B	28112
AEP4A885000B1	28113

COMMENTS	ITEM	PART NUMBER	QTY.	DESCRIPTION
	1	26160	1	MOTOR ASM.
	2	27714	1	O-RING 3" ID
	3	24840	1	FOIL SEAL 2" DIA
	4	25490	2	LENS, LED, INJECTION MOLDED
	5	27796	1	TID BOARD, POPULATED W/AMP CIRCUIT
	6	29335	4	STANDOFF, M-F, 4-40 X 3/16, SS
	7	29338	1	TID WIRE INSULATOR
	8	29337	3	STANDOFF, M-F, 4-40 X 1/8, SS
	9	25573	8	SCREW PHP 4-40 X 3/16 18-8 SS
	10	SEE CHART	1	GEAR BOX ASM.
	11	29279	3	SCREW, BHSC, 10-32 x 3/8, TORX HEAD, NYLON PELL-IT, STEEL
	12	25234	1	HANDLE, HT TOOLS PISTOL
	13	25505	1	TOOL CONNECTOR ASM HERC PISTOL
	14	25212	1	SWITCH SUB-ASSEMBLY
NOT SHOWN	15	25582	1	TRIGGER CABLE
	16	24838	1	TRANSDUCER CABLE CHASE
	17	25569	6	SCREW LHCS 10-32 X 3/8 18-8 SS
	18	25233	1	TRAY, WIRE, HT TOOLS PISTOL
	19	25570	2	SCREW SHCS 4-40 X 1/4 18-8 SS
NOT SHOWN	20	25284	1	HT TOOL TRANSDUCER SLEEVE
	21	28257	A/R	CABLE TIE, 1.65MM W X 71MM LG.
	22	29284	3	SCREW, BHSC, 10-32 X 1/2, TORX HEAD, NYLON PELL-IT, STEEL
	23	25564	3	WASHER SHIM .0931HK .25ID .375OD
	24	28211	1	(4) LINE MALE/FEMALE JUMPER ASM.
	25	25218	3	SCREW, BHSC, 6-32 X 5/16, SS
	26	25230	1	END CAP
	27	25568	4	SHC 10-32 x 1.25 BLK OXIDE
	28	25579	1	PLUG 3/8"
	29	26898	1	CHOOSE REACTION BAR
	31	31412	1	GROUND WIRE ASSEMBLY, 18 AWG, 8000 & 9000 HT SERIES
NOT SHOWN	32	24177	A/R	RTV 108, TRANSLUCENT SILICONE

- ◆ 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



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REV	DATE	DESCRIPTION

REVISION BLOCK

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'

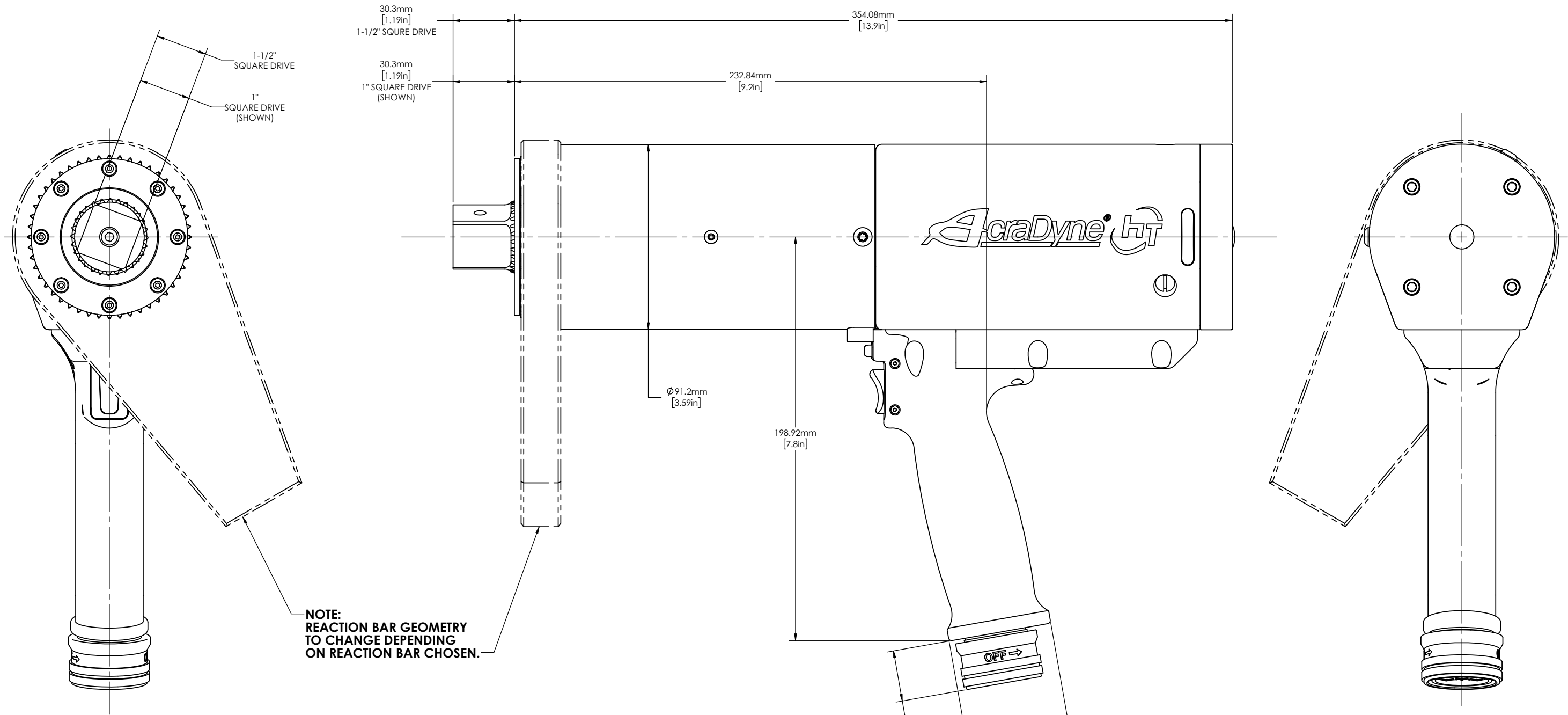
REMOVE BURRS AND SHARP EDGES: R.015 MAX
MACHINE SURFACE FINISH: 125 RMS OR BETTER

DRAWINGS AND TECHNICAL DOCUMENTS CONTROLLED BY:
ACRADYNE MECHANICAL ENGINEERING

**AEP4A88 B
PISTOL NUTRUNNER
8000 SERIES**

SIZE	PART / DRAWING NUMBER	REVISION
D	AEP4A88 B	D

SCALE 2:3 DO NOT SCALE DRAWING SHEET 1 OF 2



MODEL NO.	SQUARE DRIVE
AEP4A884200B	1-1/2"
AEP4A884200B1	1"
AEP4A885000B	1-1/2"
AEP4A885000B1	1"



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D	AEP4A88 B	D

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