

GROUND WIRE ATTACHMENT DETAILS



TIGHTEN TO 5.4 Nm (48 IN-LBS) 11

TIGHTEN TO 5.4 Nm (48 IN-LBS) 20

APPLY LOCTITE 222 (PURPLE) TIGHTEN TO 1.0 Nm (9 IN-LBS) 22

SECURE ALL ELECTRICAL CONNECTIONS WITH ITEM 15 15

SECURE TO HOUSING WITH SILICONE RTV 108 4

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

SEE NOTE # 3 2

APPLY LOCTITE 243 (BLUE) TIGHTEN TO 2.3 Nm (20 IN-LBS) 25



APPLY LOCTITE 243 (BLUE) TIGHTEN TO 20 Nm (15 FT-LBS) SEE ORIENTATION PG. 2. SEE "GROUND WIRE ATTACHMENT DETAILS" 14

APPLY LOCTITE 243 (BLUE) TIGHTEN TO 2.3 Nm (20 IN-LBS) 27

APPLY LOCTITE 222 (PURPLE) TIGHTEN TO .6 Nm (5 IN-LBS) 4 PLACES 9

NO LOCTITE TIGHTEN TO .6 Nm (5 IN-LBS) 7

SEE "GROUND WIRE ATTACHMENT DETAILS" 28

APPLY LOCTITE 243 (BLUE) TIGHTEN TO 2.3 Nm (20 IN-LBS) 18

NO LOCTITE TIGHTEN TO .6Nm (5IN-LBS) 3 PLACES 9

CONNECT FEMALE END TO CONNECTOR ON RING GEAR. ATTACH GROUND LUG TO TAPPED HOLE IN BOTTOM OF MOTOR ASM 1 WITH SCREW 9. FEED MALE END THRU THE BOTTOM HOLE IN MOTOR HOUSING AND ATTACH IT TO MATING CONNECTOR ON ITEM 6.

REACTION BAR REQUIRED OPTIONAL REACTION BARS AVAILABLE 23

COMMENTS	ITEM NO.	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	29335	4	STANDOFF, M-F, 4-40 X 3/16, SS
	6	27796	1	TID BOARD, POPULATED W/AMP CIRCUIT
	7	29337	3	STANDOFF, M-F, 4-40 X 1/8, SS
	8	29338	1	TID WIRE INSULATOR
	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, TORX, 10-32 x 3/8, STEEL
	12	25225	1	END GRIP CAP, HT TOOLS
	13	25568	4	SHC 10-32 x 1.25 BLK OXIDE
	14	25507	1	TOOL CONNECTOR ASM HERC PISTOL
NOT SHOWN	15	28257	A/R	CABLE TIE, 1.65MM W X 71MM LG.
	16	25579	1	PLUG 3/8"
	17	25231	1	TRAY, WIRE, END GRIP
	18	25569	6	SCREW LHCS 10-32 X 3/8 18-8 SS
	19	25284	1	HT TOOL TRANSDUCER SLEEVE
	20	29284	3	SCREW, BHSC, 10-32 X 1/2, TORX HEAD, NYLON PELL-IT, STEEL
	21	25564	3	WASHER SHIM .093THK .25ID .375OD
	22	25218	3	SCREW, BHSC, 6-32 X 5/16, SS
	23	26898	1	CHOOSE REACTION BAR
	24	27063	1	TOOL CONNECTOR CLIP
	25	26458	1	SCREW, SHC 10-32 X .44 LG., STEEL, BLACK OXIDE
	26	28211	1	(4) LINE MALE/FEMALE JUMPER ASM.
	27	24859	3	LHSC 10-32 X 1/4 BLK OXIDE
	28	31412	1	GROUND WIRE ASSEMBLY, 18 AWG, 8000 & 9000 HT SERIES
NOT SHOWN	29	24177	A/R	RTV 108, TRANSLUCENT

MODEL NO.	GEAR BOX ASM.
AEF4A884200B	28112
AEF4A884200B1	28113
AEF4A885000B	28112
AEF4A885000B1	28113

- ◆ 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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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 = ±.30°

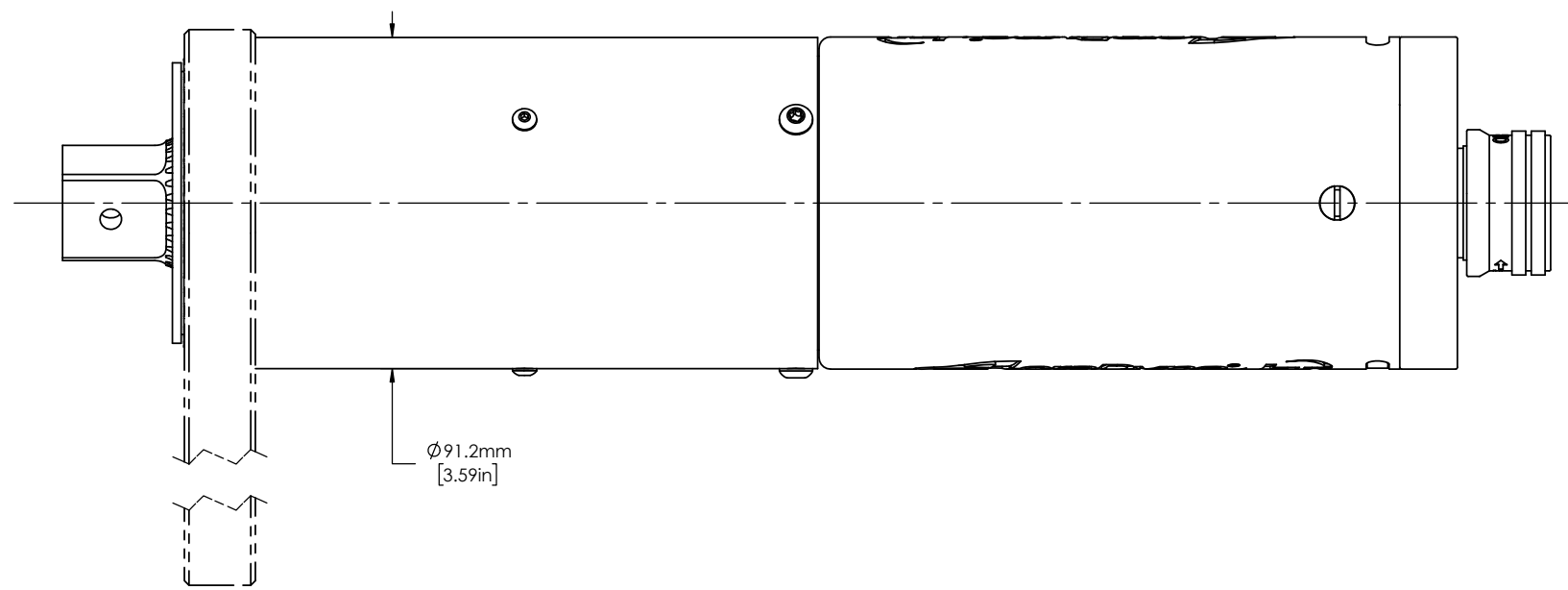
REMOVE BURRS AND SHARP EDGES: R.015 MAX MACHINE SURFACE FINISH: 125 RMS OR BETTER

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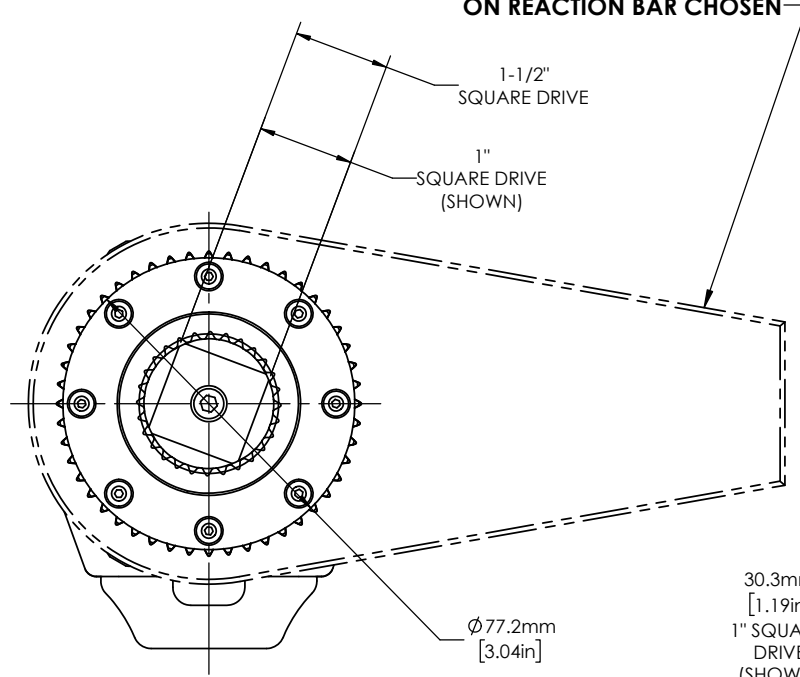
AEF4A88 B
FIXTURED NUTRUNNER
8000 SERIES

SIZE	PART / DRAWING NUMBER	REVISION
D	AEF4A88 B	D

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

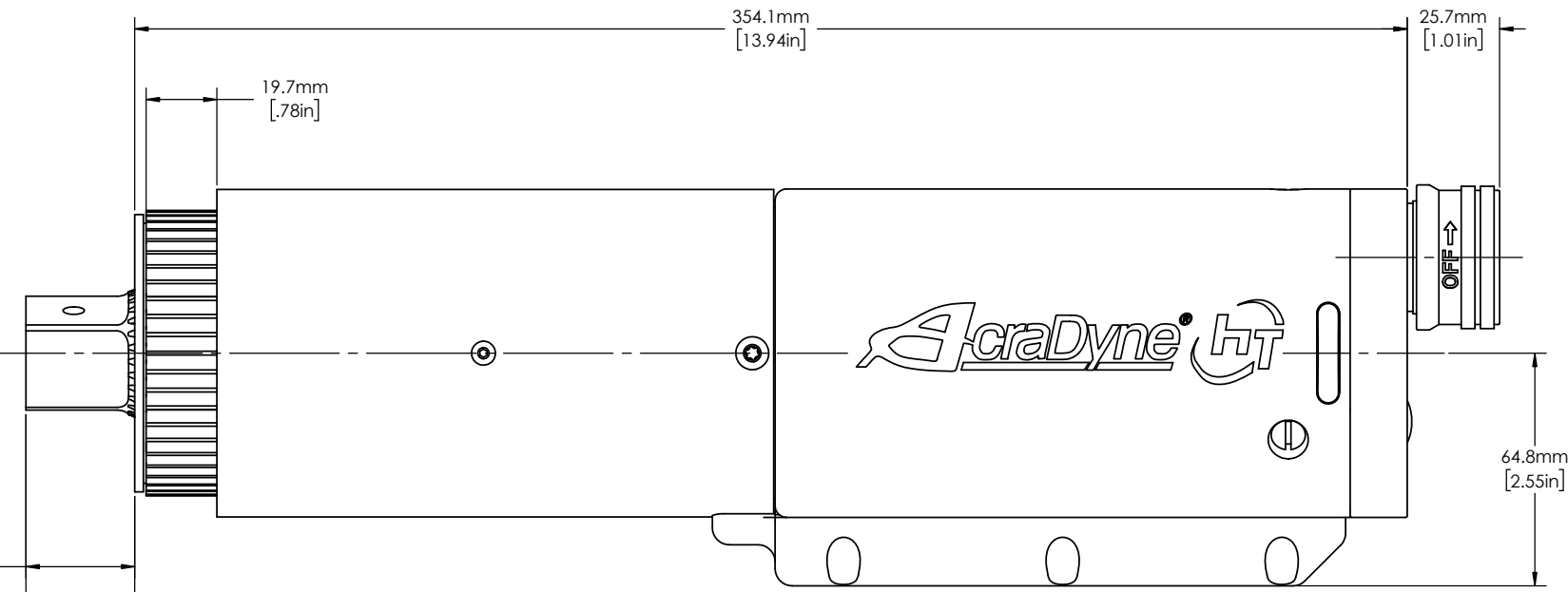


**NOTE:
REACTION BAR GEOMETRY
TO CHANGE DEPENDING
ON REACTION BAR CHOSEN**

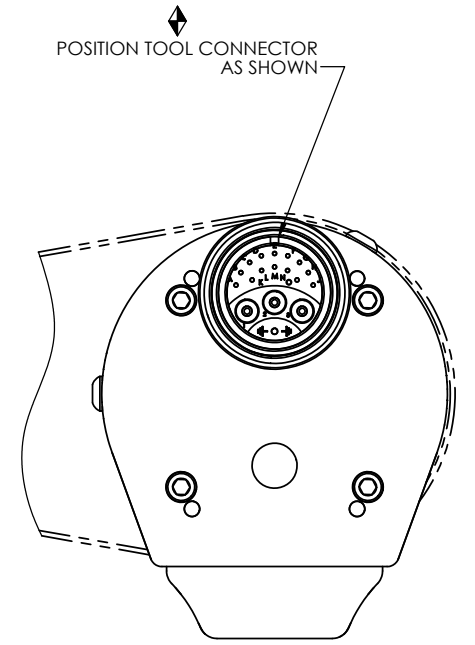


30.3mm
[1.19in]
1" SQUARE
DRIVE
(SHOWN)

35.3mm
[1.39in]
1-1/2" SQUARE
DRIVE



**REACTION BAR
NOT SHOWN
FOR CLARITY**



MODEL NO.	SQUARE DRIVE
AEF4A884200B	1-1/2"
AEF4A884200B1	1"
AEF4A885000B	1-1/2"
AEF4A885000B1	1"



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SIZE	PART / DRAWING NUMBER	REVISION
D	AEF4A88 B	D

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