S4 Differential Miniature Optical Shaft Encoder

∅ .85 [21.63]

.51 [12.95]

.57 [14.48]

B

C

∅ A $^{+.0000}_{-.0005}$ [A $^{0}_{-0.013}$]

NUT (INCLUDED)

STAR WASHER (INCLUDED)

PIN 1

.45 [11.33]
.32 [8.05]
.11 [2.79]
0
.05 [1.27]
.32 [8.10]

∅ .70 [17.74]

3/8-32 THREAD
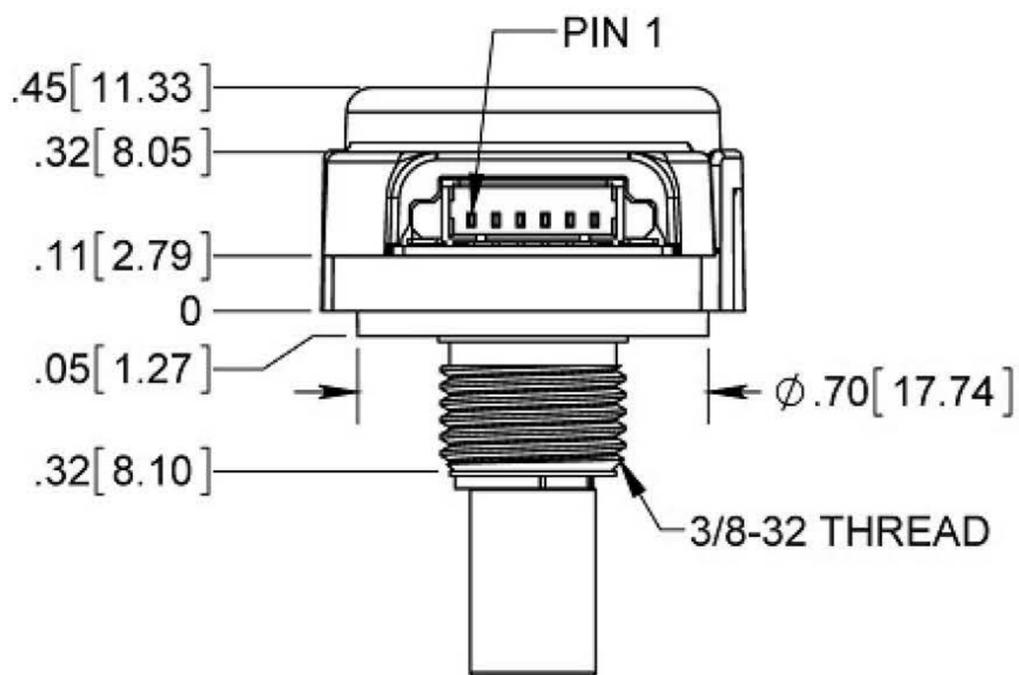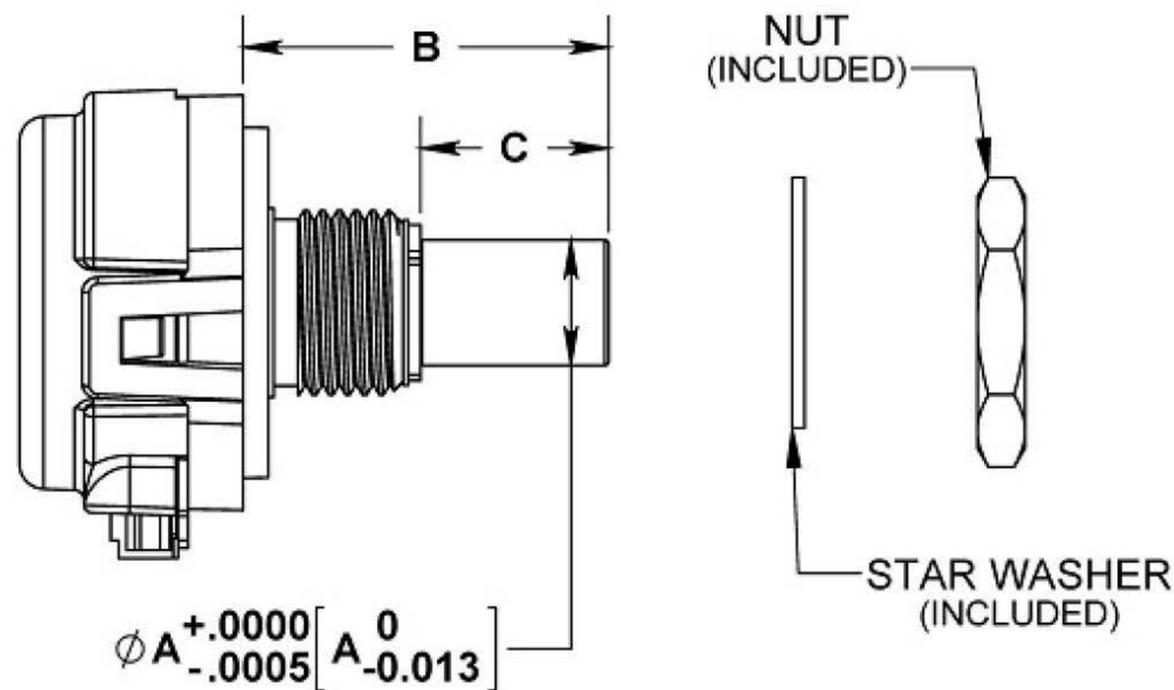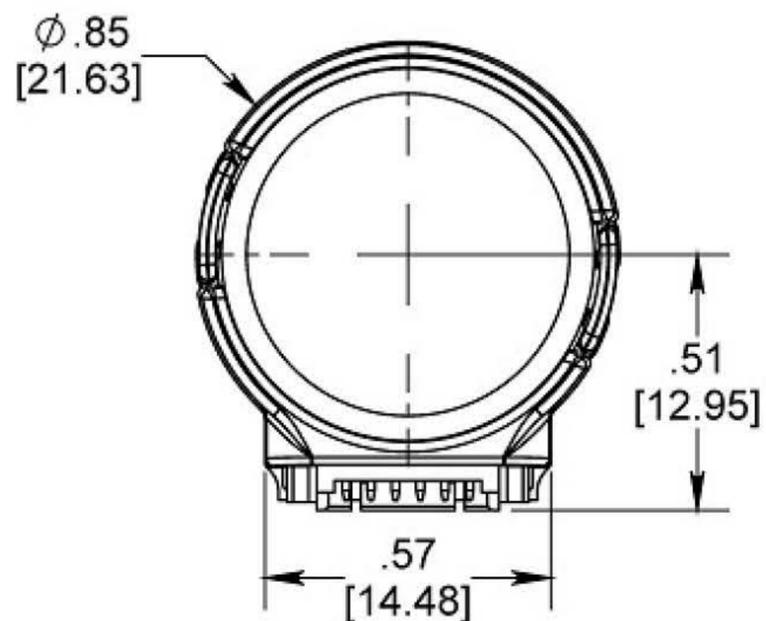
Torque	Shaft Ø	A	B	C
Default / No Torque Added	1/8" (.125)	.1250 [3.175]	.725 [18.42]	.350 [8.89]
	6mm (.236)	.2361 [6]	.725 [18.42]	.350 [8.89]
	1/4" (.250)	.2500 [6.350]	.725 [18.42]	.375 [9.53]
Ball Bearing	1/8" (.125)	.1250 [3.175]	.740 [18.80]	.375 [9.53]
	6mm (.236)	.2361 [6]	.725 [18.42]	.375 [9.53]
	1/4" (.250)	.2500 [6.350]	.725 [18.42]	.375 [9.53]

*DIMENSION C IS LENGTH OF SHAFT ∅ A

UNITS: INCHES [MM]
METRIC SHOWN FOR REFERENCE ONLY