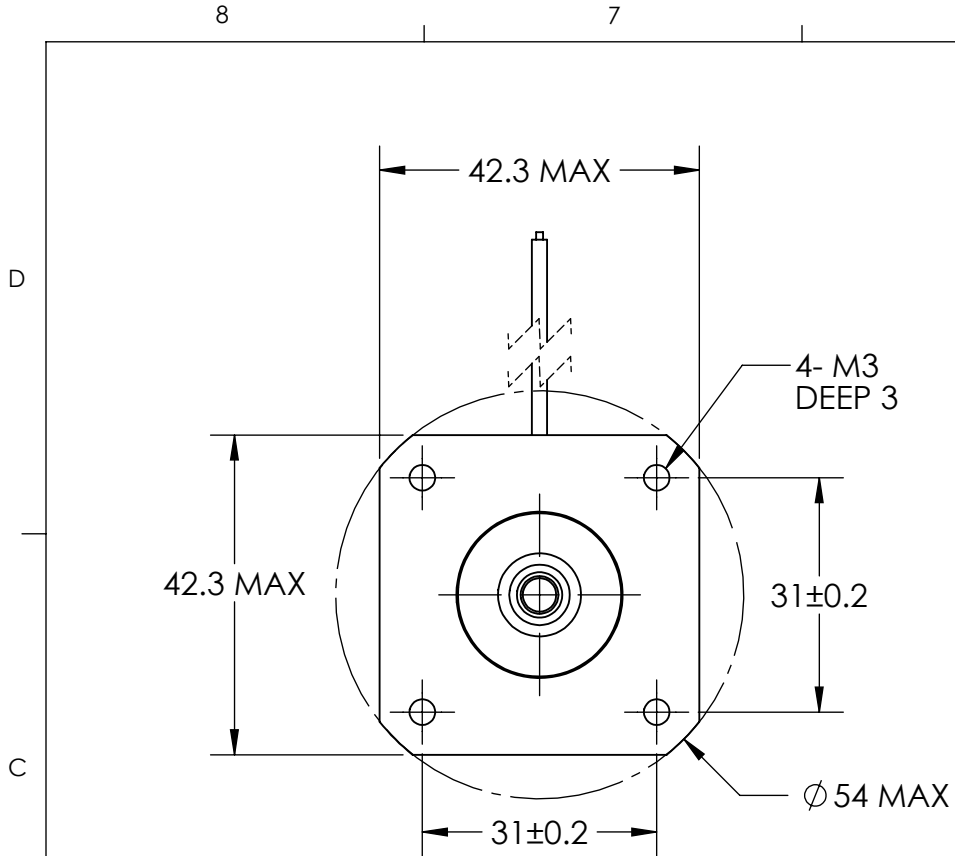
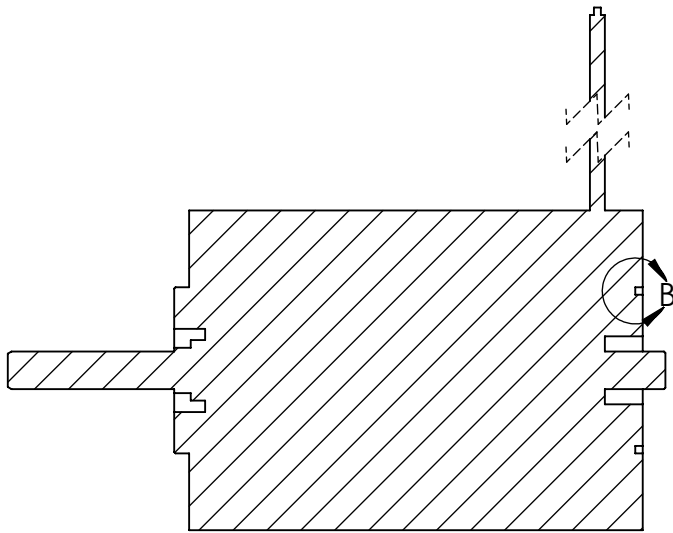
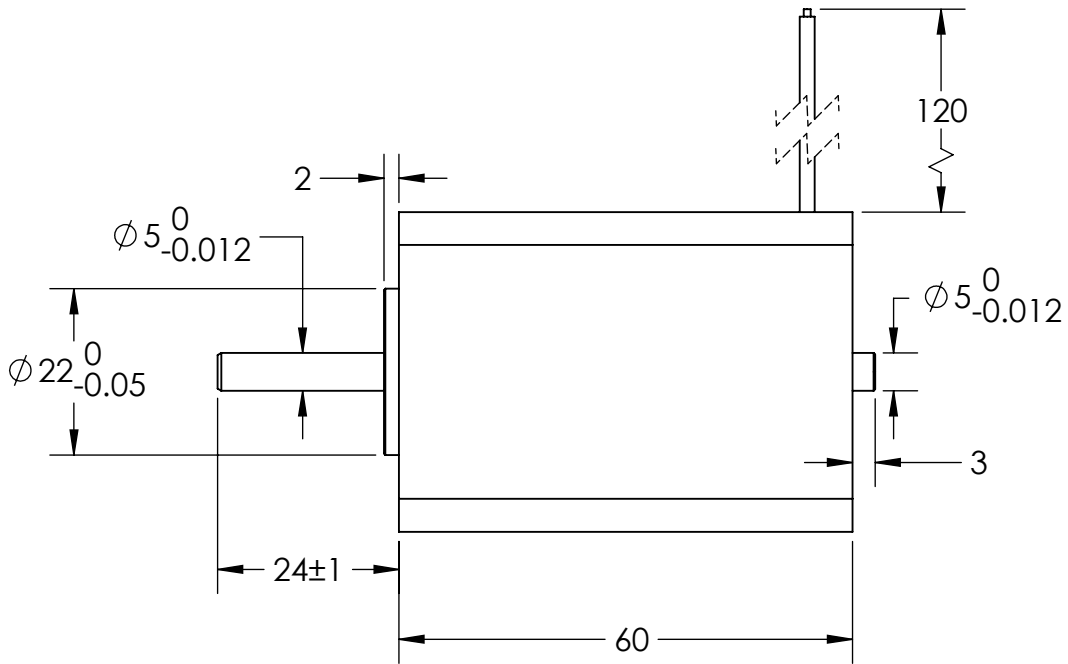




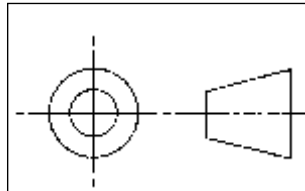
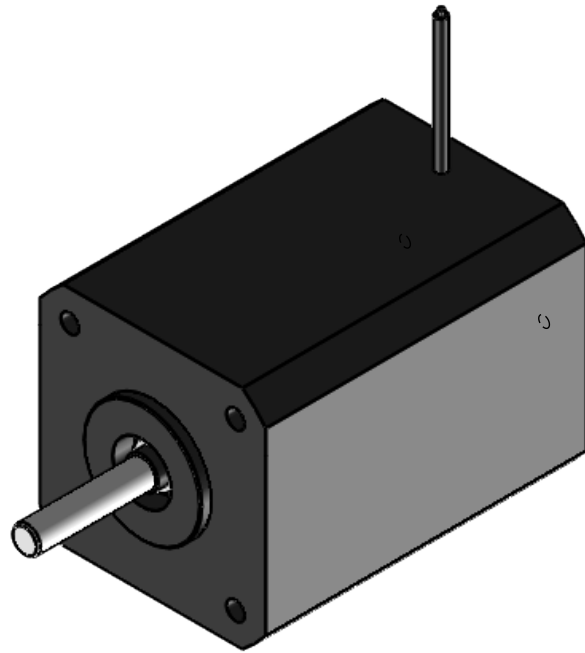
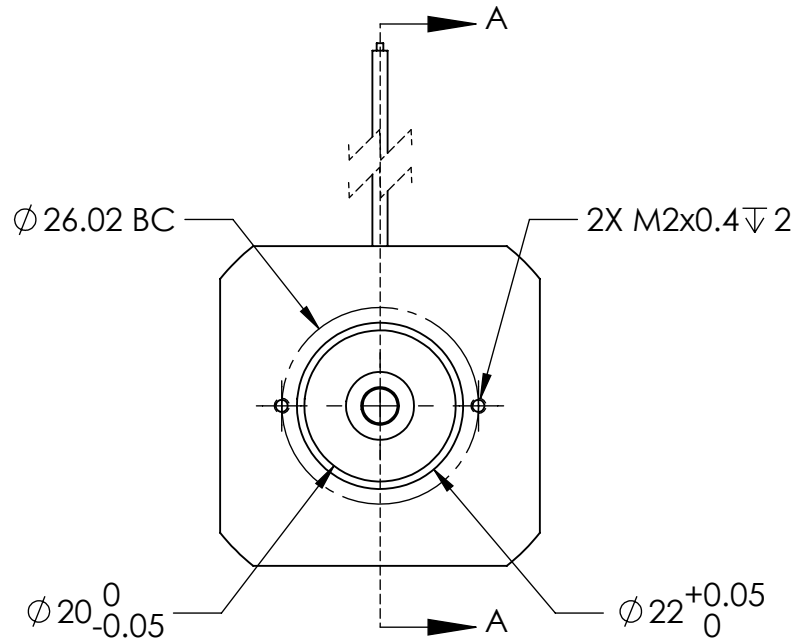
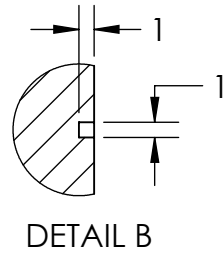
EC4260 48 Specifications		
Parameter	Unit	Value
Rated Power	W	60.00
Rated Voltage	VDC	48.00
Continuous Stall Torque	N-m	0.12
Max Torque	N-m	0.24
Rated Speed/Max Speed	rpm	4000/6800
Rated Current	A _(peak)	1.82
Max.Current	A _(peak)	3.63
Ke : Back EMF Constant	V _(peak) /krpm	7.00
Kt : Torque Constant	Nm/A _(peak)	0.066
Resistance	Ω	2.10
Inductance	mH	3.00
Moment of Inertia	gcm ²	48.00
Number of Poles	#	8.00
Mass	g	440
Winding Type	3-phase	
Hall Sensors	120° electrical spacing	
Pole Count	8	
Shaft Runout	.025 mm	
Radial Play	.02 mm @ 450 g	
End Play	.08 mm @ 450 g	
Max Radial Force	28 N @20 mm from flange	
Max Axial Force	10N	
Insulation Class	B	
Dielectric Strength	500 VDC for 60s	
Insulation Resistance	>100MΩ, 500 VDC	

HALL SENSORS AWG 26				
5VDC	GND	A	B	C
RED	BLK	BLU	GRN	WHT

Motor Cable		
A	B	C
WHT	RED	BLK



SECTION A-A



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CONFIDENTIAL

UNLESS OTHERWISE SPECIFIED:

DRAWING SYMBOLS & TOLERANCES PER ANSI Y14.5
DIMENSIONS ARE METRIC
TOLERANCES:
DECIMALS LINEAR ANGULAR
.X ±0.2 ±0.5DEG
.XX ±0.02 ±0.2DEG
.XXX ±0.005 ±0.01DEG

INTERPRET GEOMETRIC TOLERANCING PER: ANSI Y14.5

MATERIAL SEE CHART

FINISH Clean

DRAWN Sun KPO 10/11/2019



Orbex Group

TITLE:

EC4260 48

SIZE

B

PRT. NO.

100112

REV

A

SCALE: 1:1

SHEET 1 OF 1