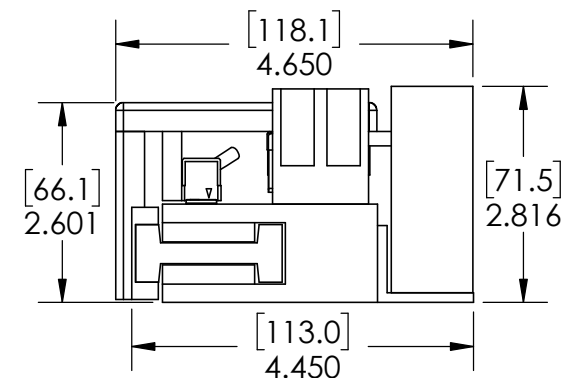
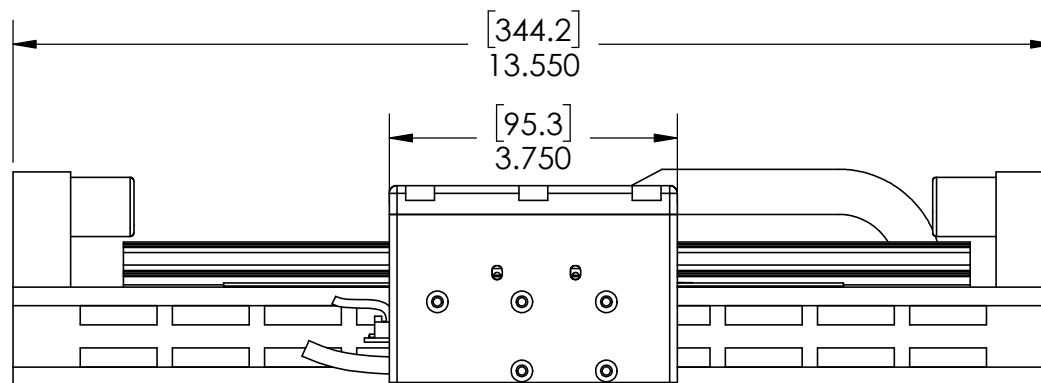
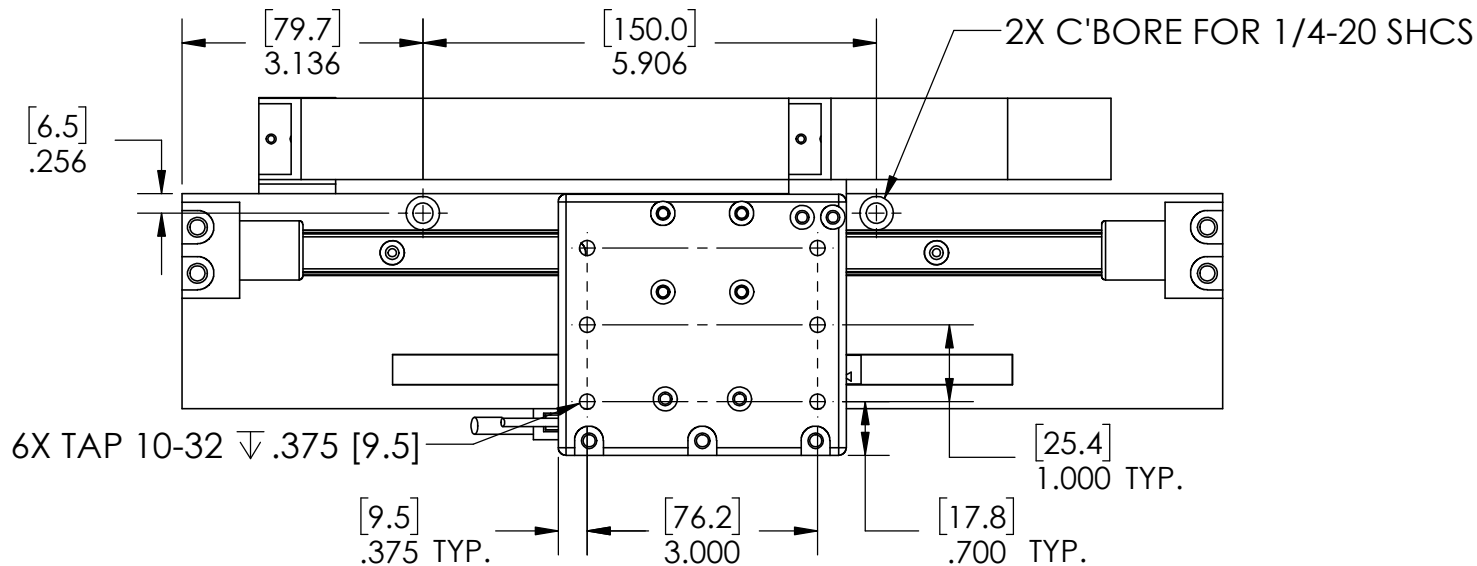


STAGE SHOWN AT MIDSTROKE

REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	10-26-16



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UNLESS SPECIFIED OTHERWISE:
All dimensions are in inches
Standard Tolerances are as follows
.XXX \pm .005 ANGLES \pm 1°
.XX \pm .010 FILLETS .010
.X \pm .020 CORNERS .010
Remove All Burrs and Sharp Edges

**FOR
REFERENCE
ONLY**

MATERIAL
FINISH

TITLE
Single Rail Positioning Stage Model #:
SRS-007-04-007-01

DWG # **40-0341**
REV
DATE 10-26-16 SHEET 1 of 2

1

2

3

4

5

A

B

C

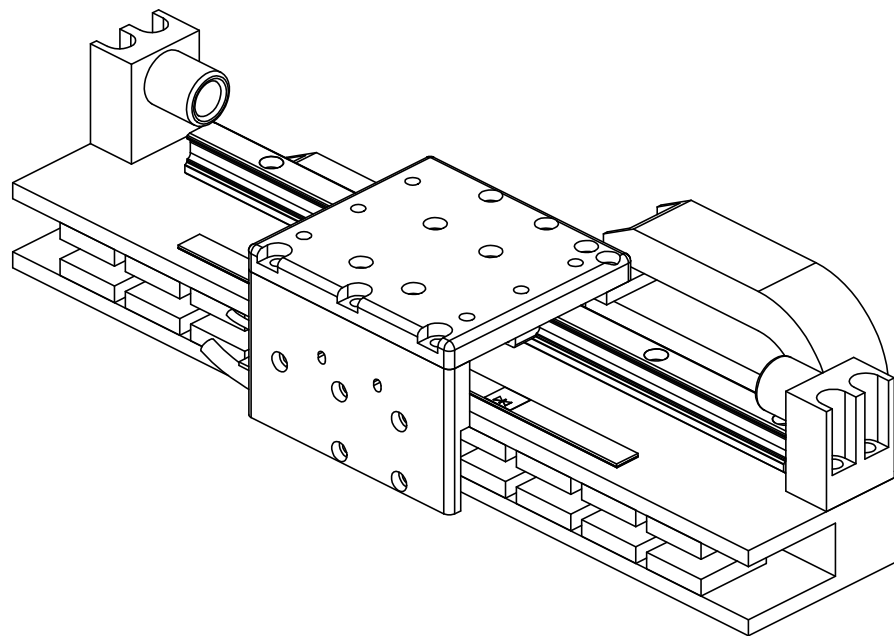
D

A

B

C

D

**SINGLE RAIL POSITIONING STAGE SPECIFICATIONS**

Motor P/N	BLDM-C02	
Stroke	6.65 in	168.9 mm
Encoder Resolution	1 micron	
Bearing Type	Recirculating Ball	
Moving Mass	2.5 lbs	1.13 kg
Total Mass	13.5 lbs	6.1 kg
Resistance @ 20C	5.3 ohms	
Inductance @ 20C	12.1 mH	
Electrical Time Constant	1.3 msec	
Motor Constant	1.5 LBS/SQRT(Watt)	6.6 N/SQRT(Watt)
Force Constant	3.4 LBS/Amp	15.3 N/Amp
Back EMF	0.39 V/ips	15.2 V/m/sec
Force @ 100% Duty	6.5 lbs	29.0 N
Power @ 100% Duty	24.8 watts	
Current @ 100% Duty	1.9 amps	
Force @ 10% Duty	19.5 lbs	86.8 N
Power @ 10% Duty	223 watts	
Current @ 10% Duty	5.7 amps	
Stage Length	13.6 in	345.4 mm
Stage Width	4.66 in	118.3 mm
Stage Height	2.81 in	71.4 mm



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.XX ±.010 FILLETS .010
.X ±.020 CORNERS .010
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Single Rail Positioning Stae Model #:
SRS-007-04-007-01

DWG #

40-0341

REV

DATE

10-26-16

SHEET

2 of 2