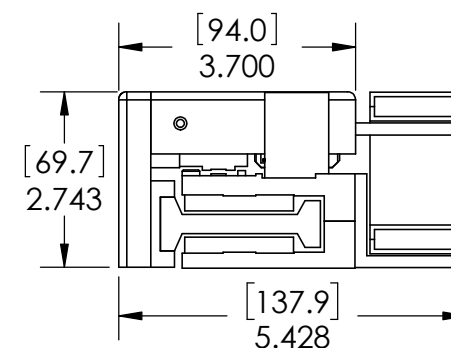
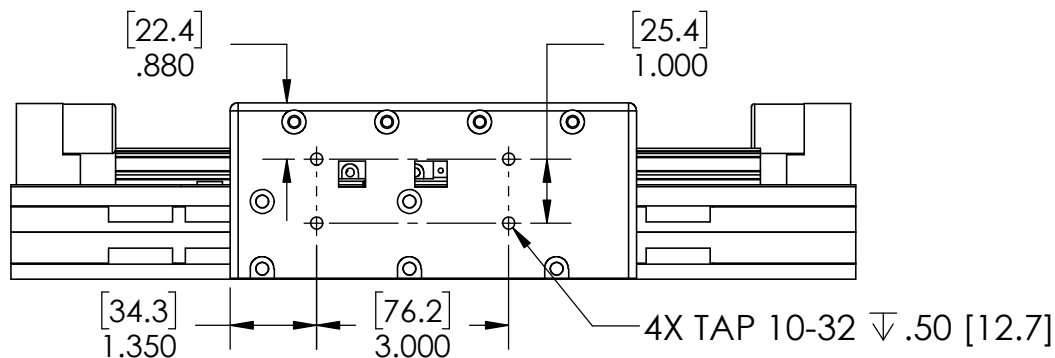
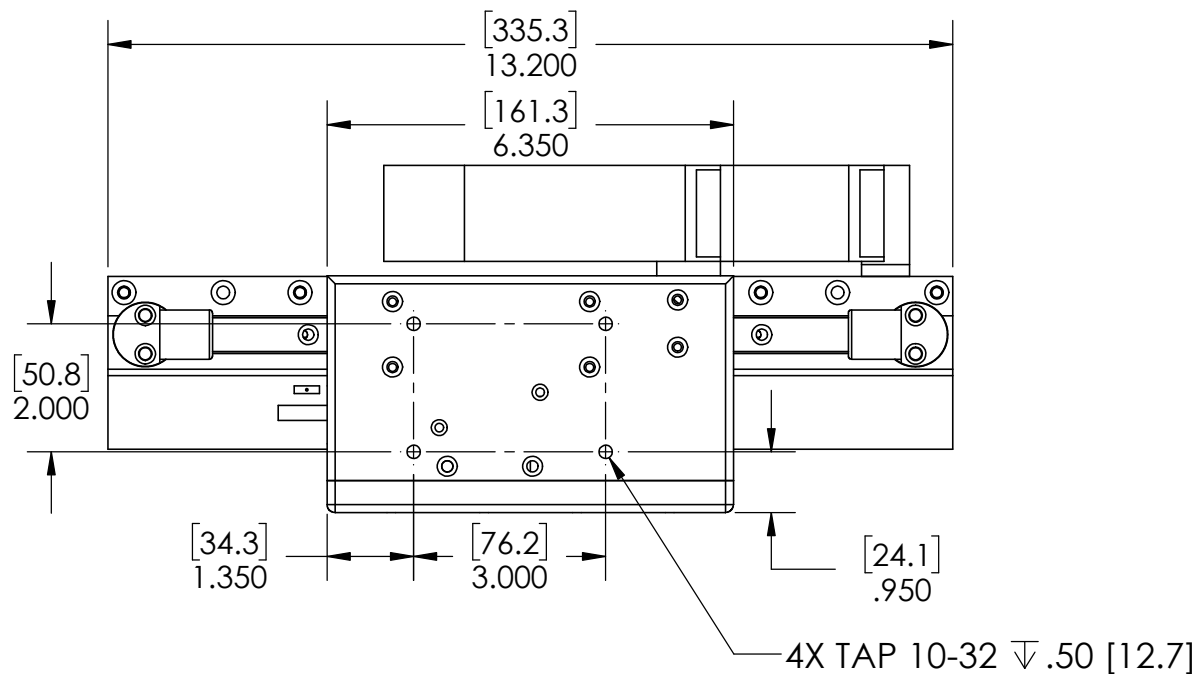


STAGE SHOWN AT MIDSTROKE

REVISION TABLE

REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
B	---	----	OOG	MPW	1-13-09



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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-004-04-020-X

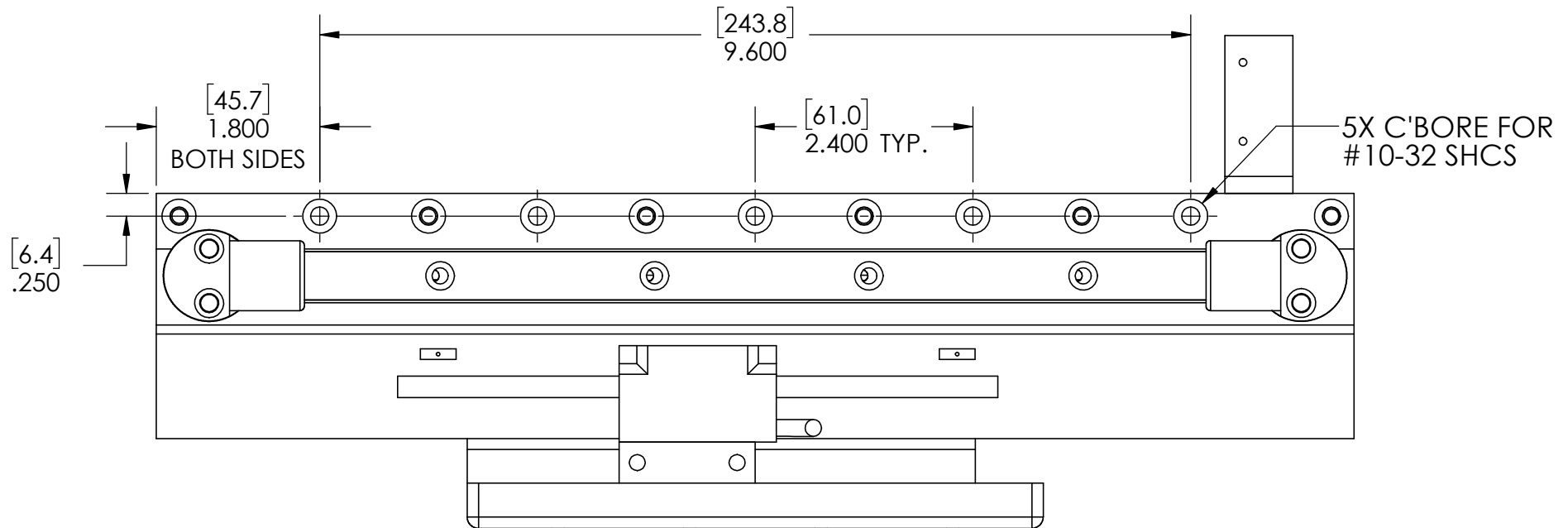
DWG # **40-0186**

REV **B**

DATE 1-13-09 SHEET 1 of 3

MOUNTING PROVISIONS

PARTS HAVE BEEN HIDDEN
TO SHOWN MOUNTING HOLES



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.XX $\pm .010$ FILLETS .010
.X $\pm .020$ CORNERS .010
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MATERIAL

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TITLE
Single Rail Positioning Stage Model #:
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DWG # **40-0186**

REV **B**

DATE 1-13-09 SHEET 2 of 3

1

2

3

4

5

A

B

C

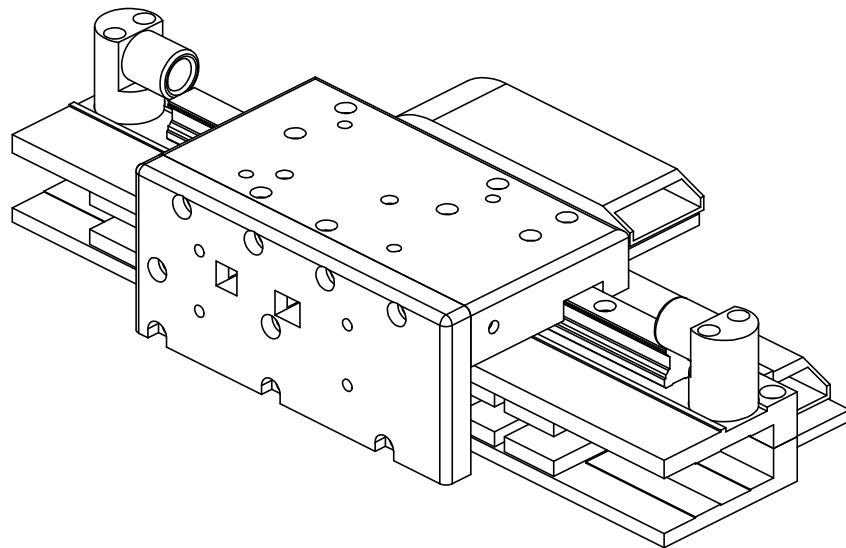
D

A

B

C

D

**SINGLE RAIL POSITIONING STAGE SPECIFICATIONS**

Motor P/N	BLDC-02	
Stroke	3.6 in	91.4 mm
Encoder Resolution	1 micron	
Bearing Type	Recirculating Ball	
Moving Mass	4 lbs	1.8 Kg
Total Mass	12.5 lbs	5.7 kg
Resistance @ 20C	8.2 ohms	
Inductance @ 20C	6.0 mH	
Electrical Time Constant	0.7 msec	
Motor Constant	2.12 LBS/SQRT(Watt)	9.43 N/SQRT(Watt)
Force Constant	6.1 LBS/Amp	27.3 N/Amp
Back EMF	0.80 V/ips	31.5 V/m/sec
Force @ 100% Duty	20.6 lbs	91.6 N
Power @ 100% Duty	95 watts	
Current @ 100% Duty	3.4 amps	
Force @ 10% Duty	61.8 lbs	274.8 N
Power @ 10% Duty	846 watts	
Current @ 10% Duty	10.2 amps	
Stage Length	13.2 in	335 mm
Stage Width	5.4 in	137.2 mm
Stage Height	2.74 in	69.6 mm



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.XX ±.010 FILLETS .010
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Single Rail Positioning Stage Model #:
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DWG #

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REV

B

DATE

1-13-09

SHEET

3 of 3