

REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	5-15-15

1

2

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4

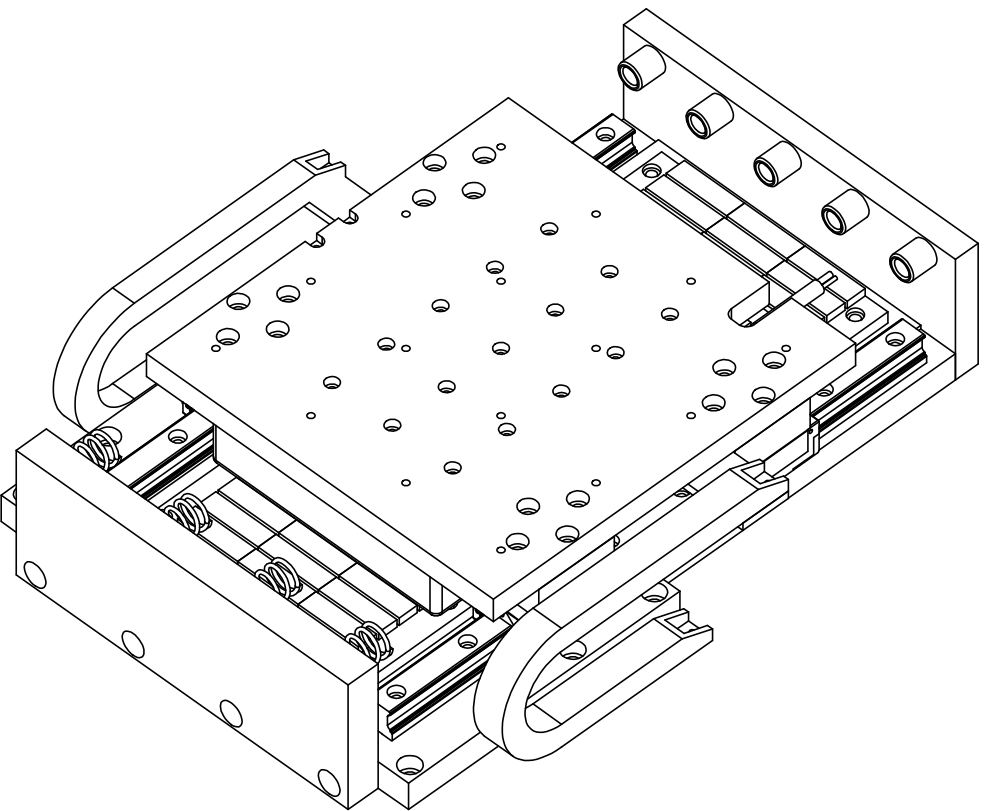
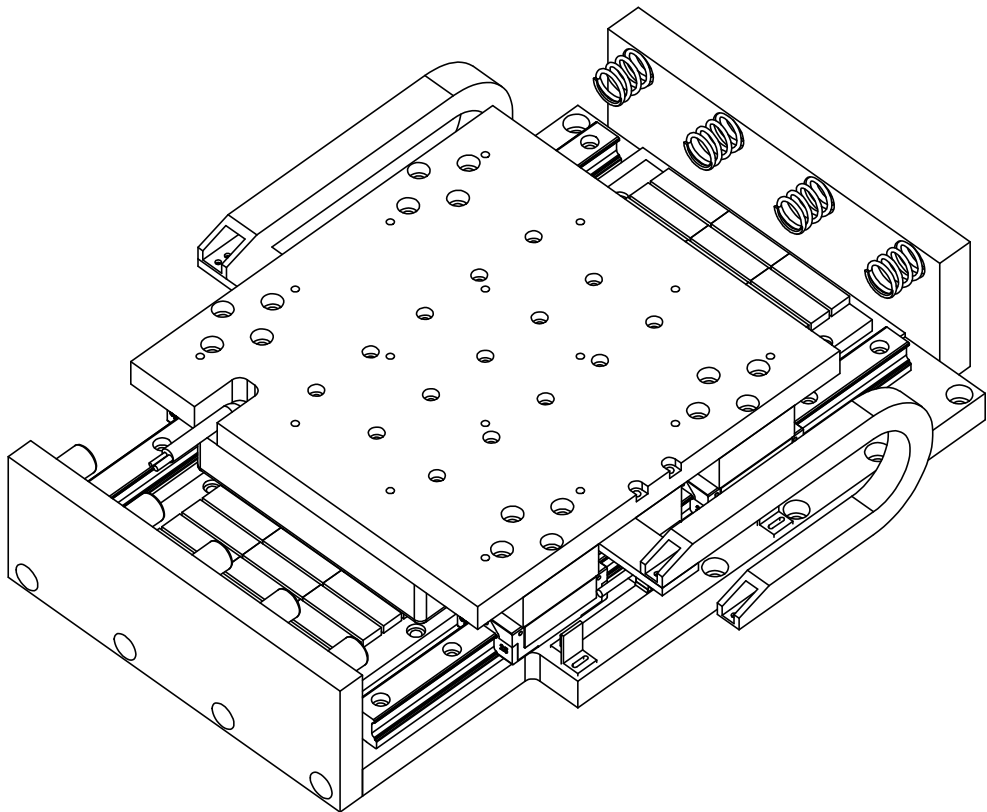
5

A

B

C

D



DUAL RAIL POSITIONING STAGE SPECIFICATIONS

Motor P/N	BLSM-2F	
Stroke	5.31 in	135 mm
Encoder Resolution	1 micron	
Bearing Type	Recirculating Ball	
Moving Mass	38 lbs	17.2 kg
Total Mass	110 lbs	50 kg
Resistance @ 20C	2.75 ohms	
Inductance @ 20C	23.5 mH	
Electrical Time Constant	8.5 msec	
Motor Constant	15.7 LBS/SQRT(Watt)	69.5 N/SQRT(Watt)
Force Constant	26 LBS/Amp	115.4 N/Amp
Back EMF	2.85 V/ips	115.4 V/m/sec
Force @ 100% Duty	200 lbs	888 N
Power @ 100% Duty	163 watts	
Current @ 100% Duty	7.7 amps	
Force @ 10% Duty	600 lbs	2664 N
Power @ 10% Duty	14617 watts	
Current @ 10% Duty	23.1 amps	
Stage Length	20.9 in	531 mm
Stage Width	15.42 in	392 mm
Stage Height	4.13	105 mm

A

B

C

D



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

**FOR
REFERENCE
ONLY**

MATERIAL

FINISH

TITLE

Dual Rail Positioning Stage Model #:
DRS-004-15-200-01-MZ

DWG #

41-0363

REV

DATE

5-15-15

SHEET

2 of 2