

REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	5-14-12

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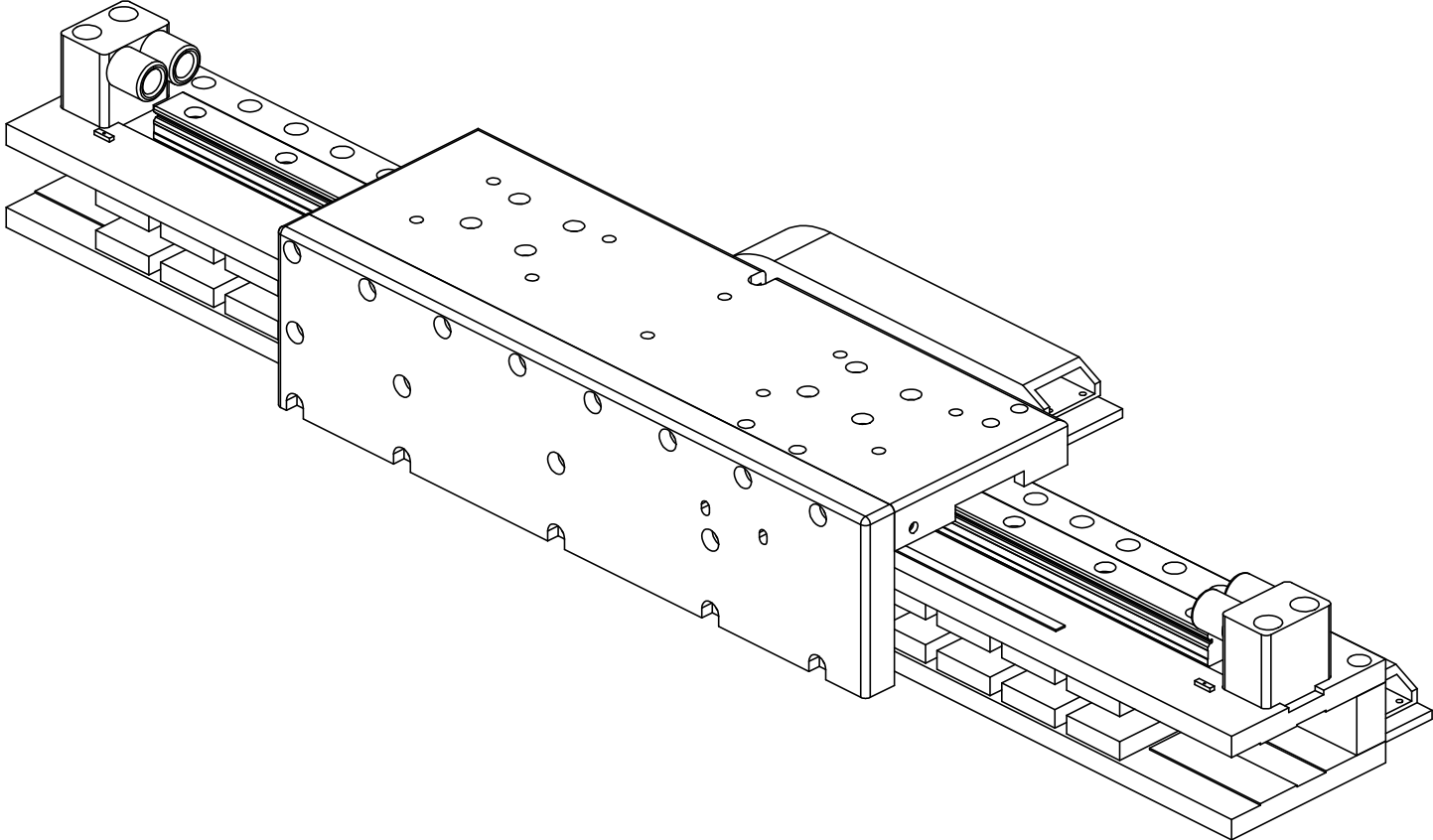
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A

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Single RAIL POSITIONING STAGE SPECIFICATIONS		
Motor P/N	BLDD-04	
Stroke	12 in	305 mm
Encoder Resolution	1 micron	
Bearing Type	Recirculating Ball	
Moving Mass	13.0 lbs	5800 g
Total Mass	64.25 lbs	29000 g
Resistance @ 20C	16.0 ohms	
Inductance @ 20C	20.0 mH	
Electrical Time Constant	1.3 msec	
Motor Constant	6.22 LBS/SQRT(Watt)	27.67 N/SQRT(Watt)
Force Constant	24.5 LBS/Amp	109 N/Amp
Back EMF	3.20 V/ips	126 V/m/sec
Force @ 100% Duty	100 lbs	444 N
Power @ 100% Duty	263 watts	
Current @ 100% Duty	4.1 amps	
Force @ 10% Duty	300 lbs	1332 N
Power @ 10% Duty	2367 watts	
Current @ 10% Duty	8.7 amps	
Stage Length	31.8 in	807.7 mm
Stage Width	7.0 in	177.8 mm
Stage Height	3.9 in	99.1 mm

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B

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D