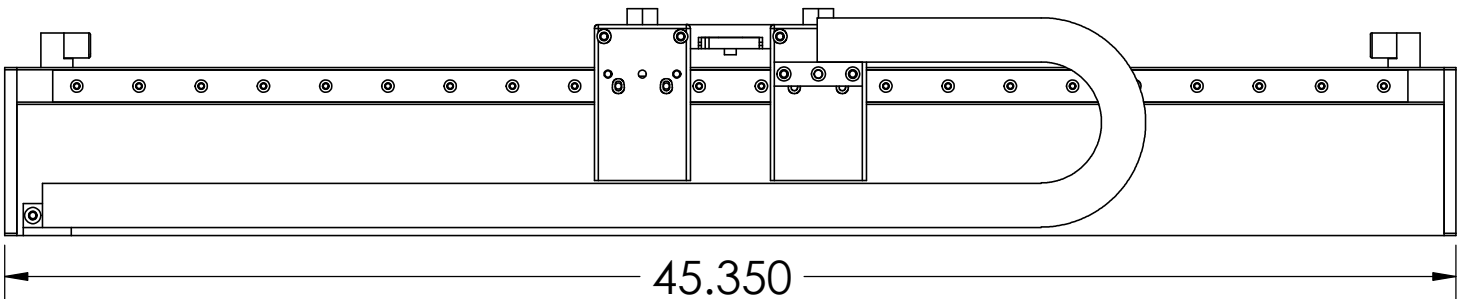
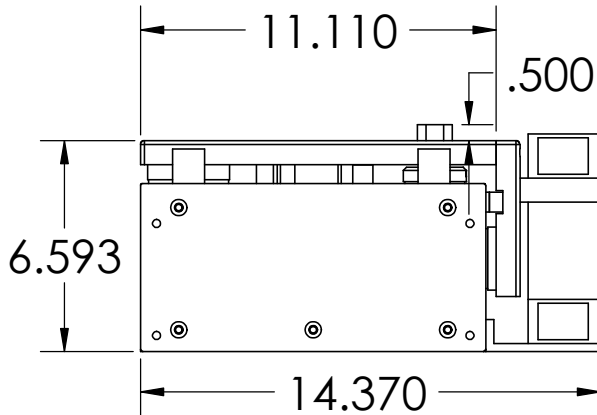
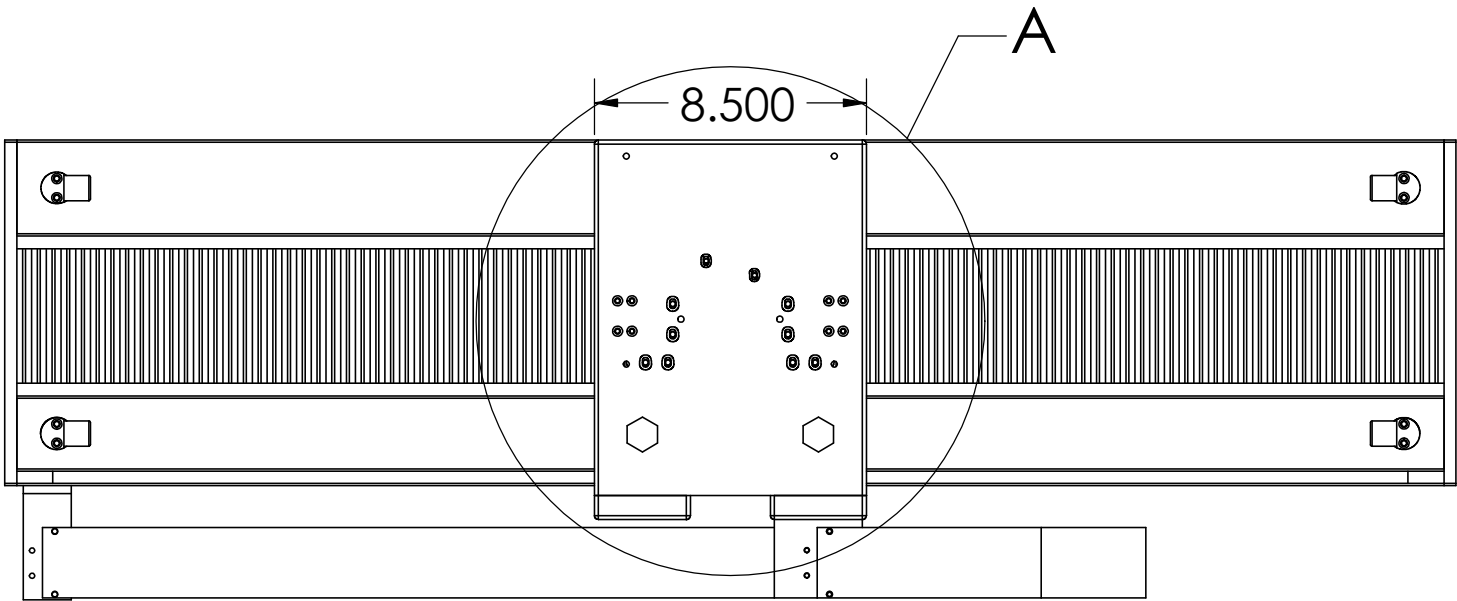


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REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	5-16-05

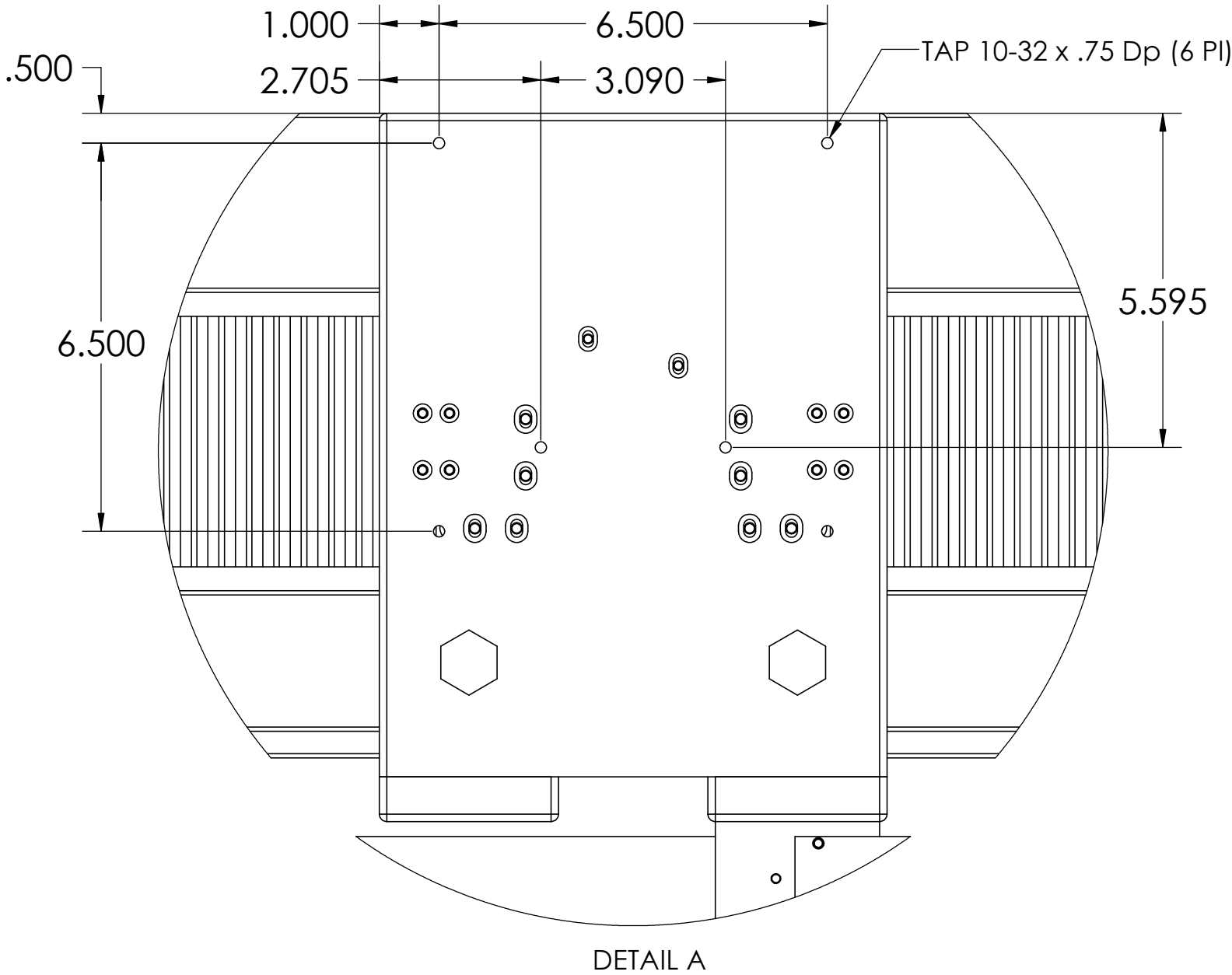


UNLESS SPECIFIED OTHERWISE: All dimensions are in inches Standard Tolerances are as follows .XXX ±.005 ANGLES ±1° .XX ±.010 FILLETS AND .X ±.020 CORNERS .010 Remove All Burrs and Sharp Edges	MATERIAL				TITLE <div>Air Bearing Positioning Stage</div> <div>ABS-032-14-020-X</div>			
	FINISH							
	DRAWN OOG	DATE 5-16-05	APPROVED MPW	DATE 5-16-05	DWG # <div>43-0131</div>	REV <div>---</div>	SHEET <div>1 of 3</div>	

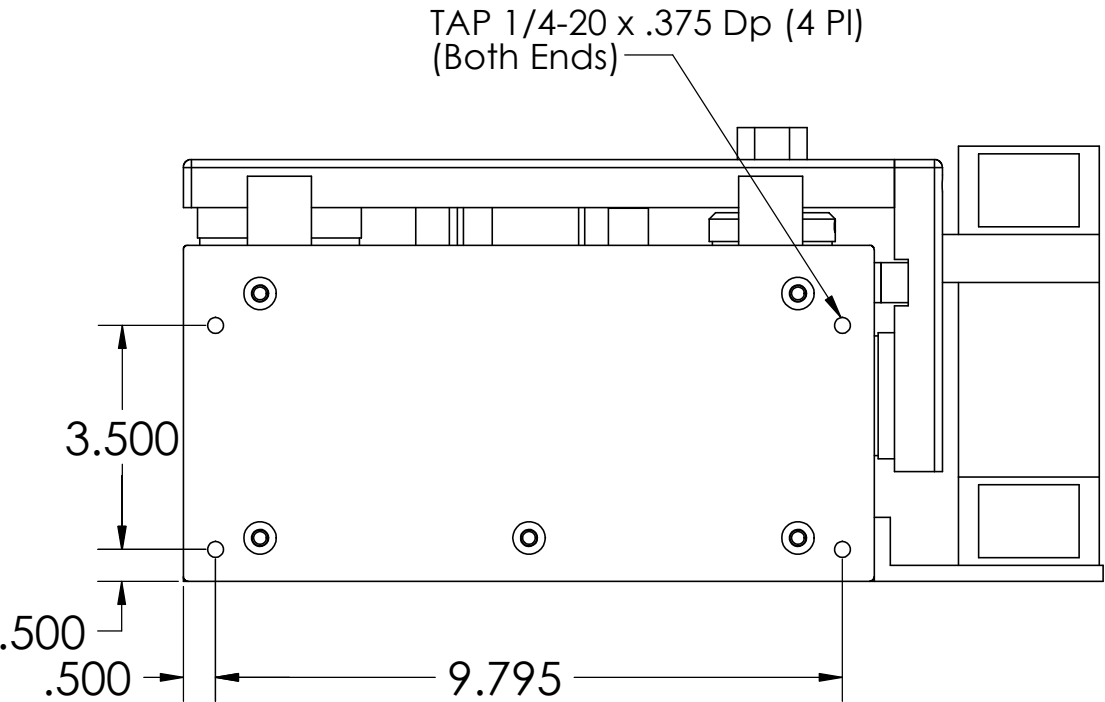
H2W Technologies, Inc.
28310-C Ave Crocker Valencia, CA 91355 USA
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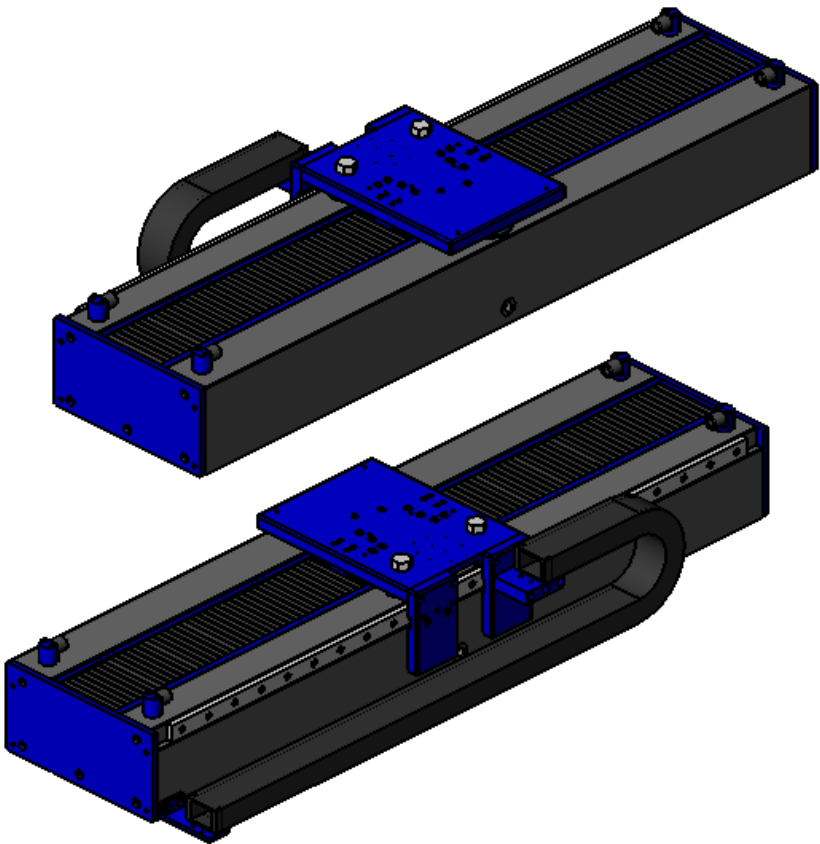
Air Bearing Positioning Stage
ABS-032-14-020-X

Slide Mounting Holes



Stage Mounting Holes





AIR BEARING POSITIONING STAGE SPECIFICATIONS		
Motor P/N	BLDC-02	
Stroke	31.5 in	800 mm
Encoder Resolution	1 micron	
Bearing Type	Air Bearing	
Moving Mass	10 lbs	4.5 kg
Total Mass	260 lbs	118 kg
Resistance @ 20C	8.6 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	6.10 LBS/Amp	27.0 N/Amp
Back EMF	0.80 V/ips	31.5 V/m/sec
Force @ 100% Duty	20.6 lbs	91.5 N
Power @ 100% Duty	94 watts	
Current @ 100% Duty	3.4 amps	
Force @ 10% Duty	61.8 lbs	274 N
Power @ 10% Duty	846 watts	
Current @ 10% Duty	10.2 amps	
Stage Length	43.35 in	1101 mm
Stage Width	14.37 in	365 mm
Stage Height	6.59 in	167 mm