

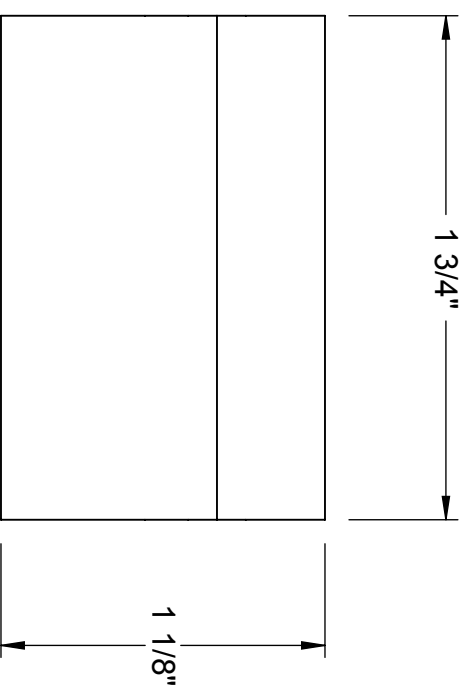
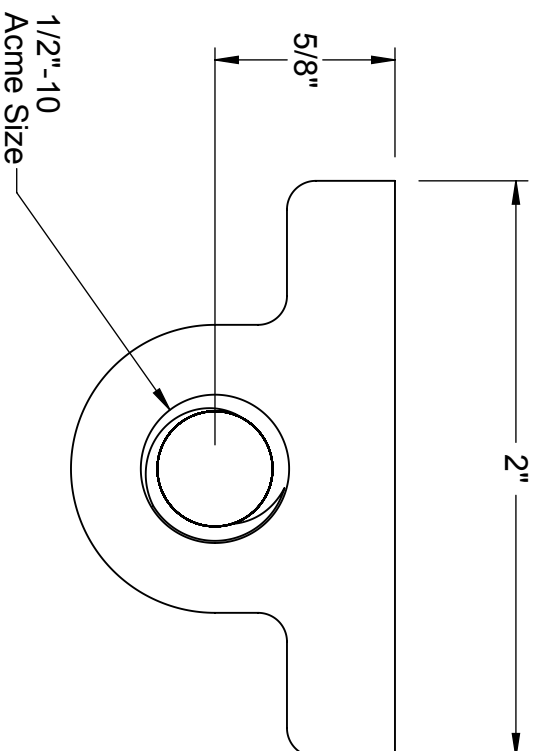
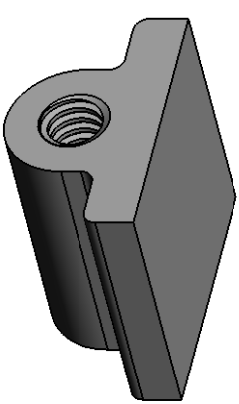
McMASTER-CARR  PART NUMBER **98980A982**

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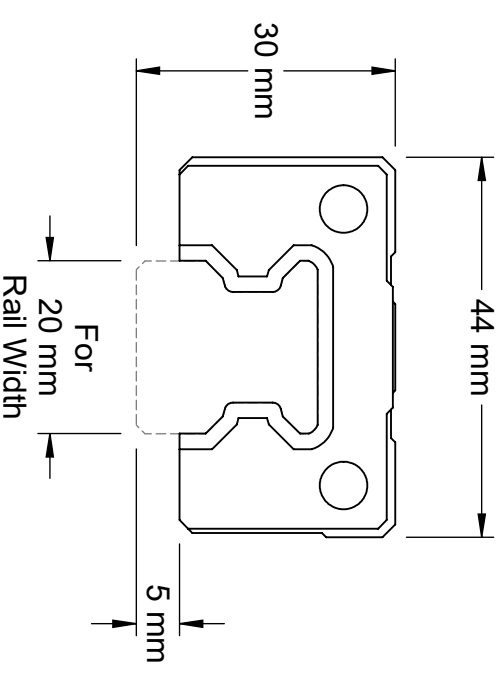
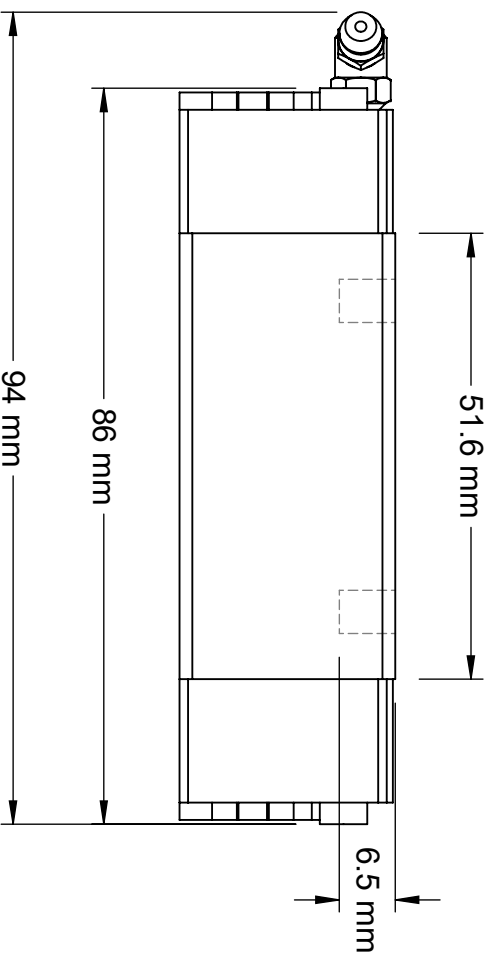
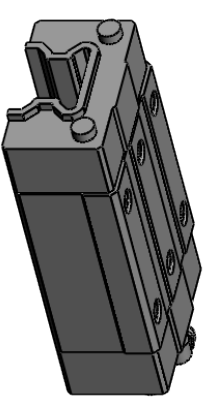
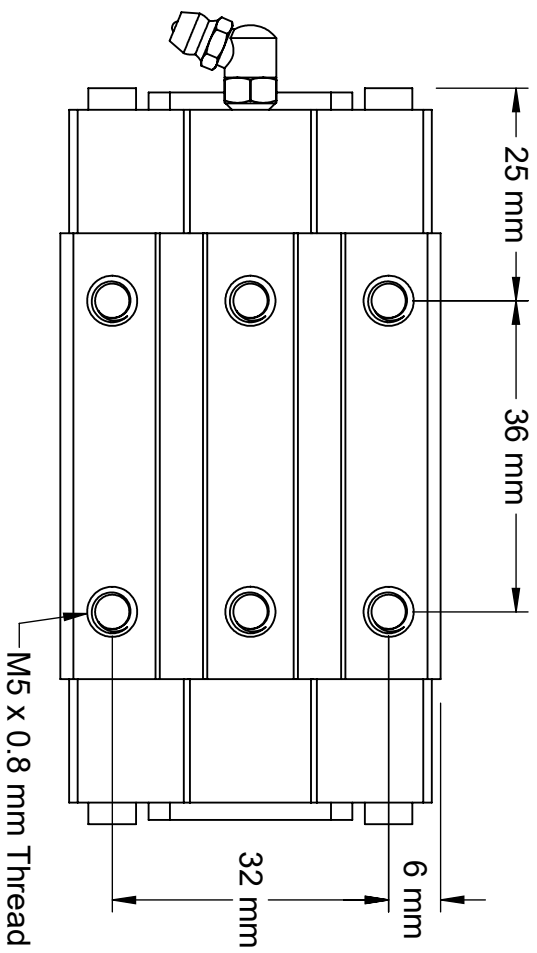
Information in this drawing is provided for reference only.

Fast-Travel Precision
Acme Lead Screw



1/10" Travel Distance per Turn

McMASTER-CARR <small>CD</small> http://www.mcmaster.com © 2015 McMaster-Carr Supply Company <small>Information in this drawing is provided for reference only.</small>	PART NUMBER 1710K9 Standard-Travel Machinable Precision Acme Nut
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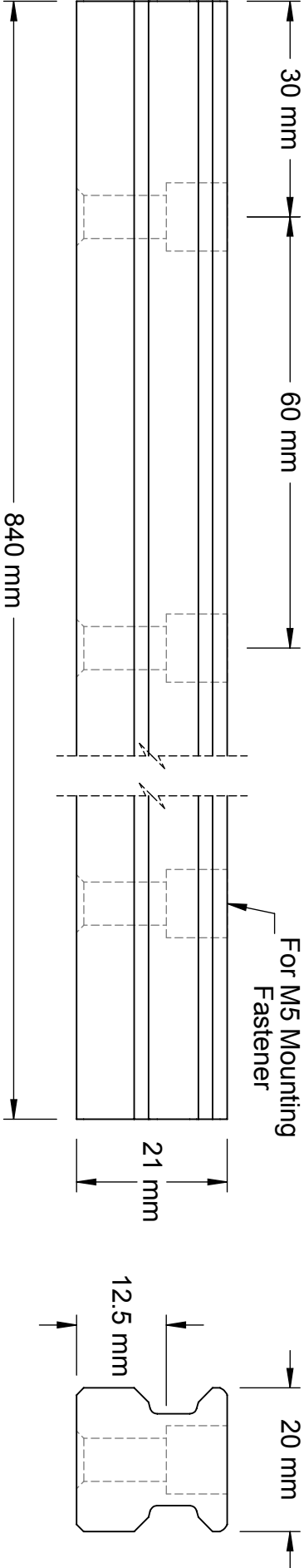
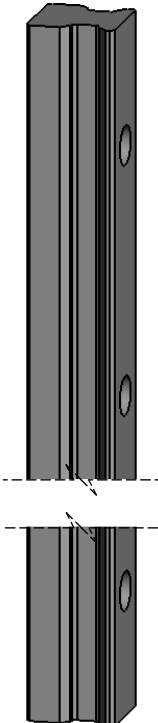


McMASTER-CARR  PART NUMBER **9215T2**

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High-Load Roller
Bearing Carriage



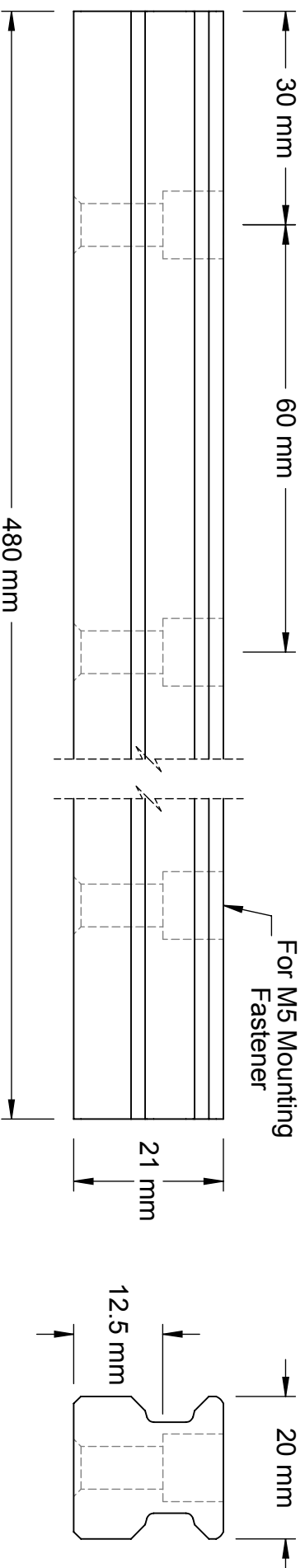
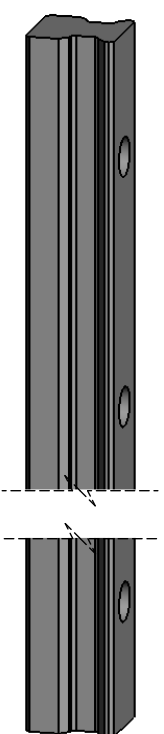
McMASTER-CARR  **PART NUMBER 9215T423**

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Guide Rail for
Roller Bearing Carriages

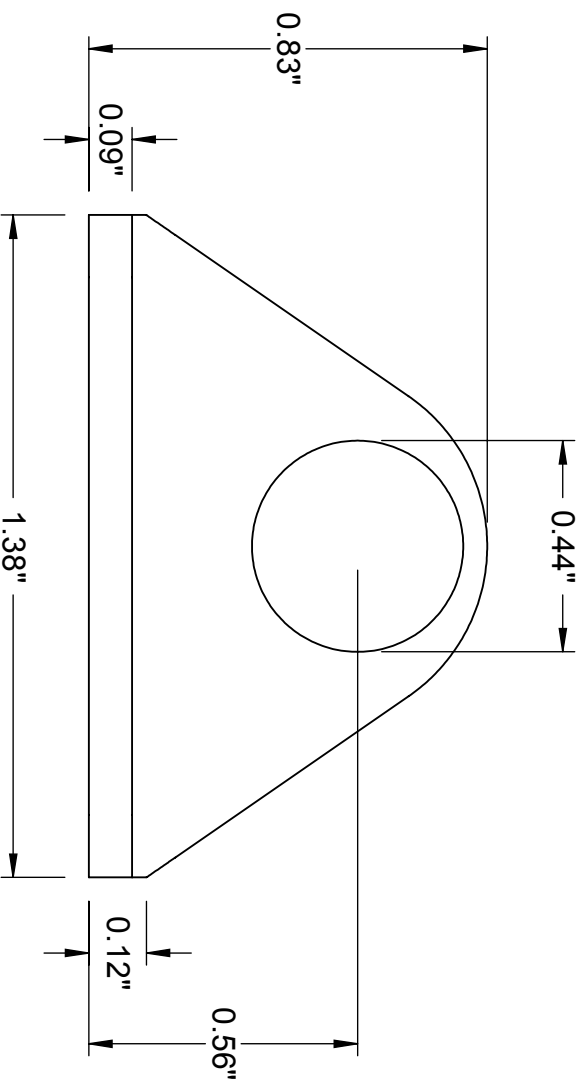
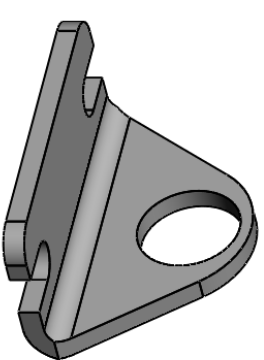
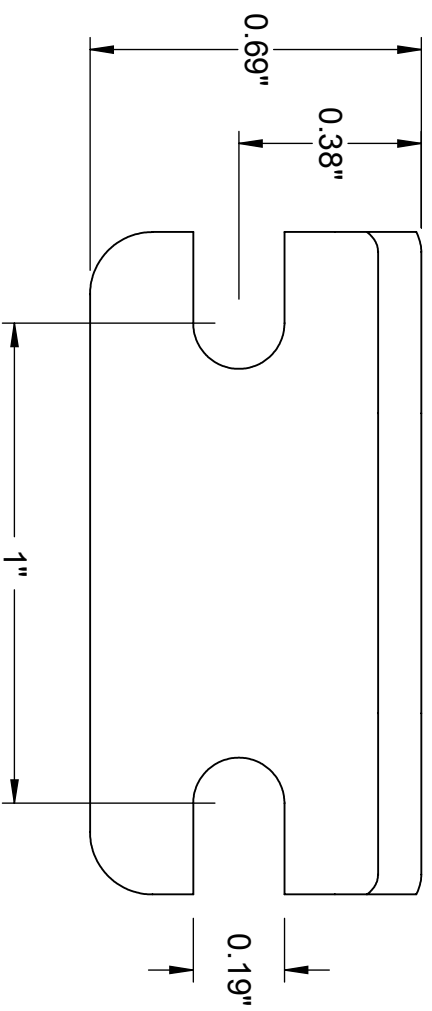


McMASTER-CARR  **9215T422**

<http://www.mcmaster.com>

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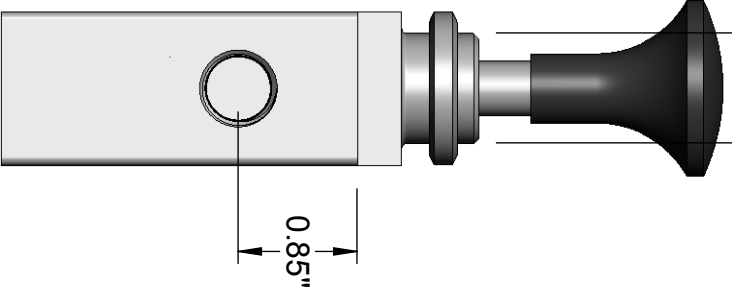
PART
NUMBER
9215T422
Guide Rail for
Roller Bearing Carriages



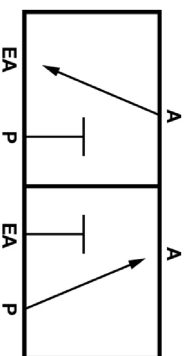
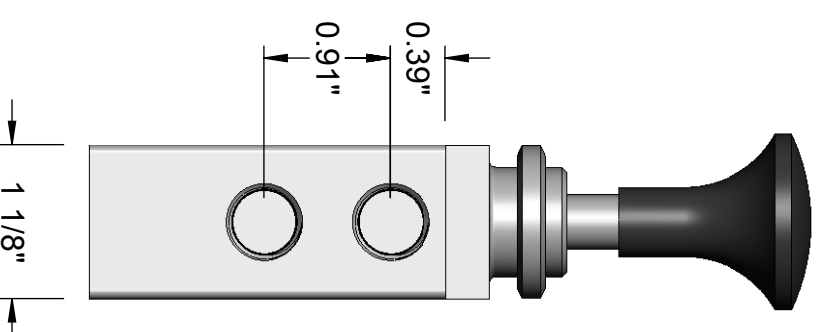
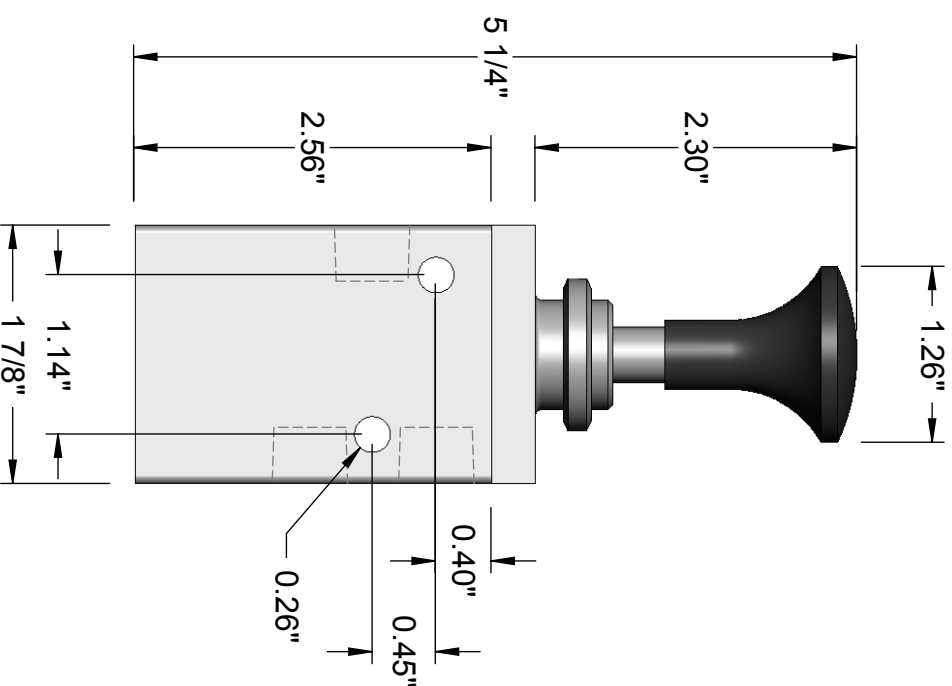
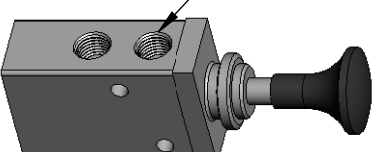
For 7/16" , 9/16" and 5/8" Bore Size

McMASTER-CARR <small>CD</small>	PART NUMBER 4952K126
http://www.mcmaster.com © 2016 McMaster-Carr Supply Company Information in this drawing is provided for reference only.	Foot Bracket for Sensor-Ready Round Body Air Cylinder

7/8" Panel
Mount Opening



1/4 NPT Pipe Size, 18 Threads Per Inch,
0.40" Thread Engagement



McMASTER-CARR CD PART NUMBER **2700K14**

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Hand-Operated
Air Directional Control Valve

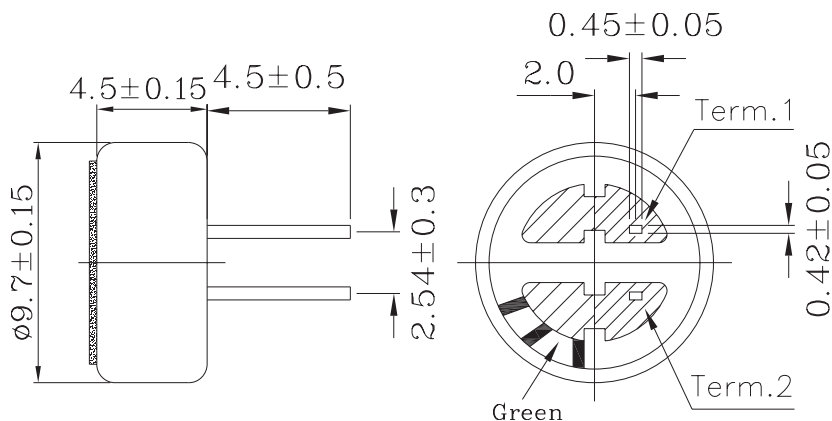
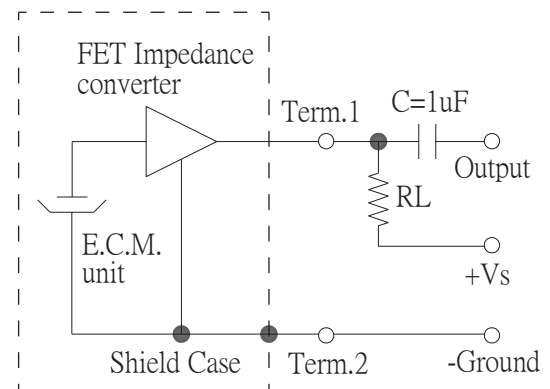
MODEL: CMA-4544PF-W | **DESCRIPTION:** ELECTRET CONDENSER MICROPHONE**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
directivity	omnidirectional				
sensitivity (S)	f = 1 kHz, 1 Pa, 0 dB = 1 V/1 Pa	-46	-44	-42	dB
operating voltage			3	10	Vdc
output impedance (Zout)	f = 1 kHz, 1 Pa		2.2		K Ω
sensitivity reduction (ΔS -Vs)	f = 1 kHz, 1 Pa, Vs = 3.0 to 2.0 Vdc		-3		dB
frequency (f)		20		20,000	Hz
current consumption (IDSS)	Vs = 3.0 Vdc, RL = 2.2 K Ω			0.5	mA
signal to noise ratio (S/N)	f = 1 kHz, 1 Pa, A-weighted		60		dBA
operating temperature		-20		70	°C
storage temperature		-20		70	°C
dimension	$\varnothing 9.7 \times 4.5$ mm				
weight				0.8	g
material	Al				
terminal	pin type (hand soldering only)				
RoHS	yes				

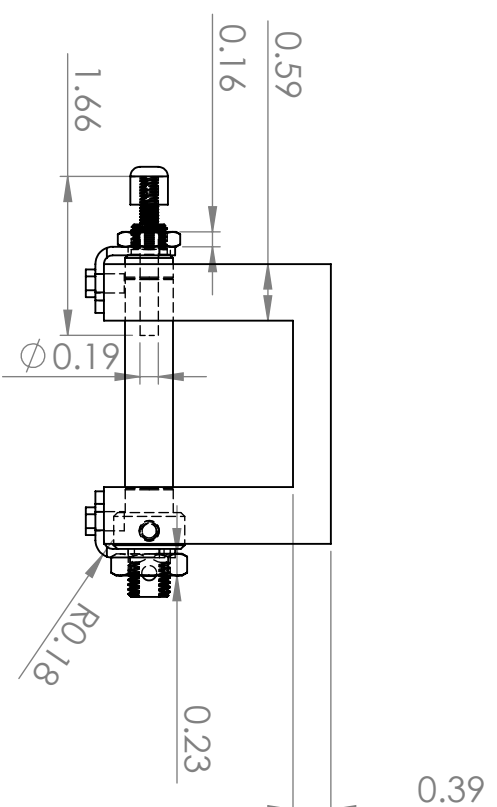
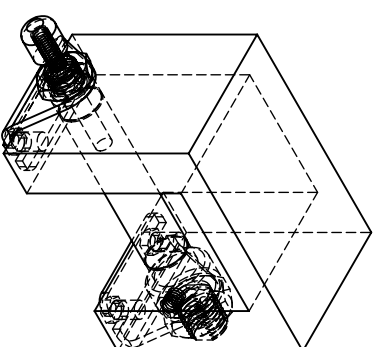
Note: We use the "Pascal (Pa)" indication of sensitivity as per the recommendation of I.E.C. (International Electrotechnical Commission). The sensitivity of "Pa" will increase 20dB compared to the "ubar" indication. Example: -60dB (0dB = 1V/ubar) = -40dB (1V/Pa)

MECHANICAL DRAWING

unit: mm

**MEASUREMENT CIRCUIT**RL = 2.2 K Ω 

Schematic Diagram



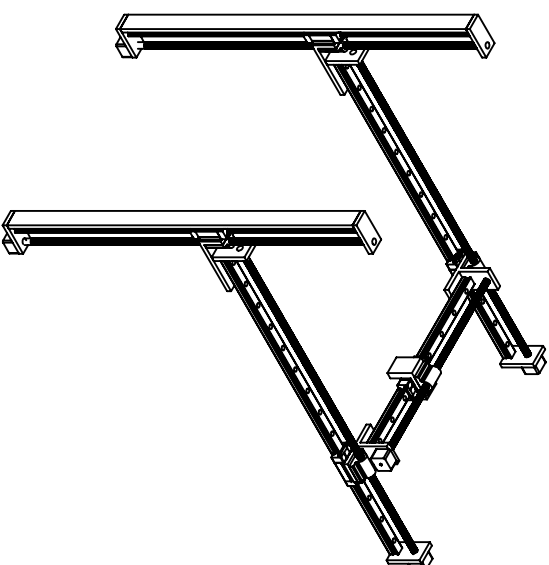
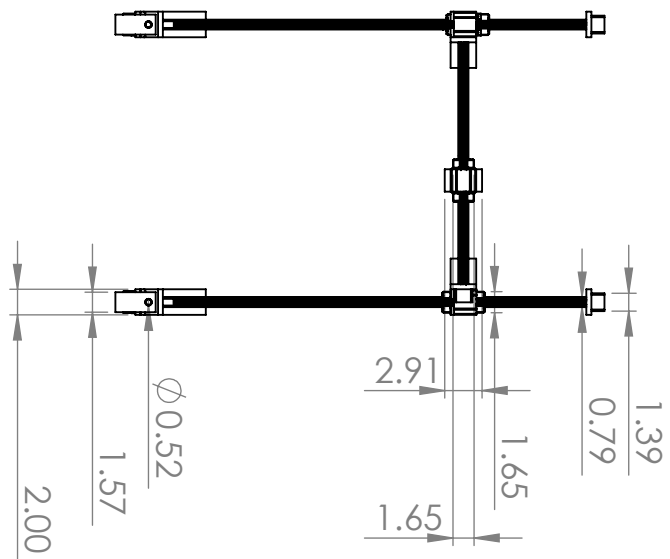
➤

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<INSERT COMPANY NAME HERE> IS
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SIZE	DWG. NO.	REV
<h1> MATICSUBASSEMB </h1>		
SCALE: 1:2	SHEET 1 OF 1	

2

1

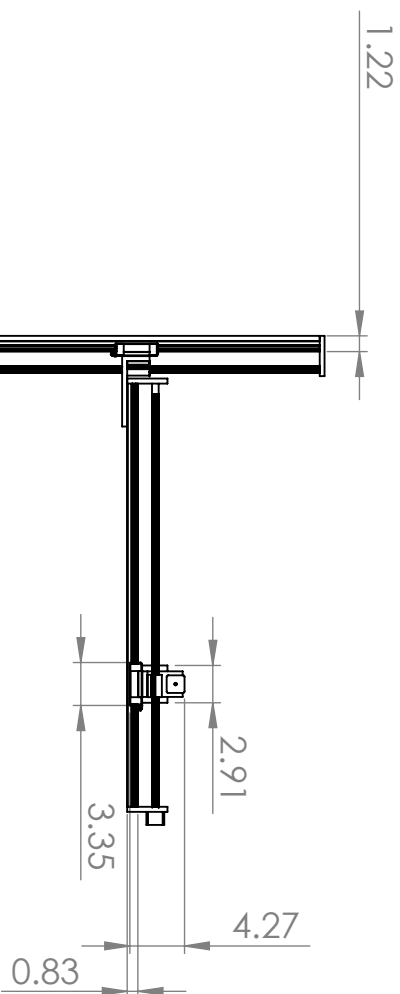
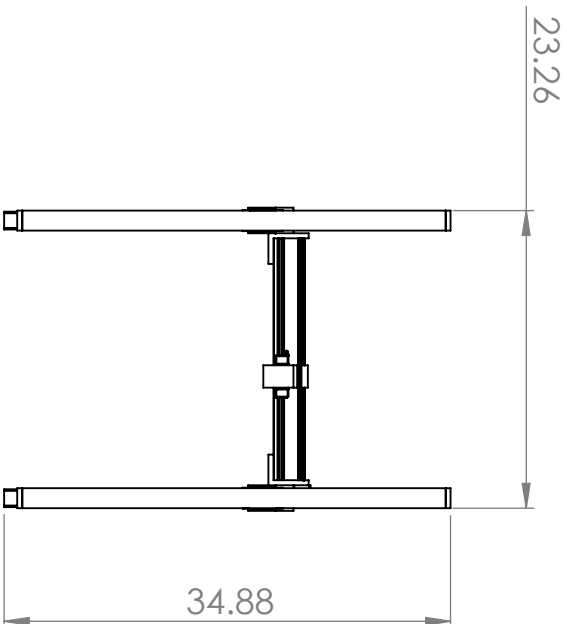


B

B

A

A



TITLE: FINAL ASSEMBLY MOVEMENT

SCALE: 1:20 SHEET 1 OF 1