

ITEM NO.	PartNo	DESCRIPTION	Default/ QTY.
1	2022-05-23 Z-Slide Weldment	Fiberglass Z-Slide Weldment	1
2	McMaster-Carr #6723K120	LOW-PROFILE SLEEVE BEARING CARRIAGE	4
3	McMaster-Carr #6723K350	GUIDE RAIL - Z SHORT	1
4	McMaster-Carr #60455K33	Machined Nylon 14 1/2° Spur Gear	2
5	McMaster-Carr #6687K33	Dry-Running Mounted Sleeve Bearing	2
6	2022-05-27 ALUMINUM SHAFT 3_8	Hand Wheel Shaft - Long	1
7	2022-05-27 ALUMINUM SHAFT 3_8	Hand Wheel Shaft - Long	1
8	2020-04-11 Hand wheel small	Small 3D-Printed Hand Wheel	1
9	McMaster-Carr #2943N5 (Modified)	Food-Grade Dry-Running Mounted Sleeve	2
10	2020-04-10 Hand Wheel Large	Large 3D Printed Handwheel - Y Slide	1
11	McMaster-Carr #94070A197	Pan Head Phillips Brass Screw	7
12	McMaster-Carr #94070A197	Pan Head Phillips Brass Screw	5
13	McMaster-Carr #94812A400	8-32 Nylon Hex Nut	12
14	McMaster-Carr #94270A218	Metric Nylon Slotted Rounded Head Screw	8
15	McMaster-Carr #95610A350	Metric Nylon Plastic Washer	8
16	MCMaster-CARR #90295A155	Nylon Plastic Washer	1
17	MCMaster-CARR #6320K161	Plastic Adjustable-Position Handle	1
18	MCMaster-CARR #90387A337	Glass-Filled Nylon Hex Nut	1
19	MM-CARR #94605A150	6-32 x 5/8 FLAT HEAD, NYLON	2
20	MM-CARR #94605A150	6-32 x 5/8 FLAT HEAD, NYLON	2
21	MCMaster-CARR #94812A300	6-32 Nylon Hex Nut	4
22	MCMaster-CARR #92991A240	10-24 Brass Set Screw	3
23	McMaster-Carr #6723K350	GUIDE RAIL - Y	1

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RM

25 MAY '22

TITLE:

CHECKED

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DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL: $\pm 1/64$ "
ANGULAR: $\pm 1^\circ$
TWO PLACE DECIMAL: ± 0.063
THREE PLACE DECIMAL: ± 0.003
FOUR PLACE DECIMAL: ± 0.001

2022-05-24 Z-Slide Asm

MATERIAL

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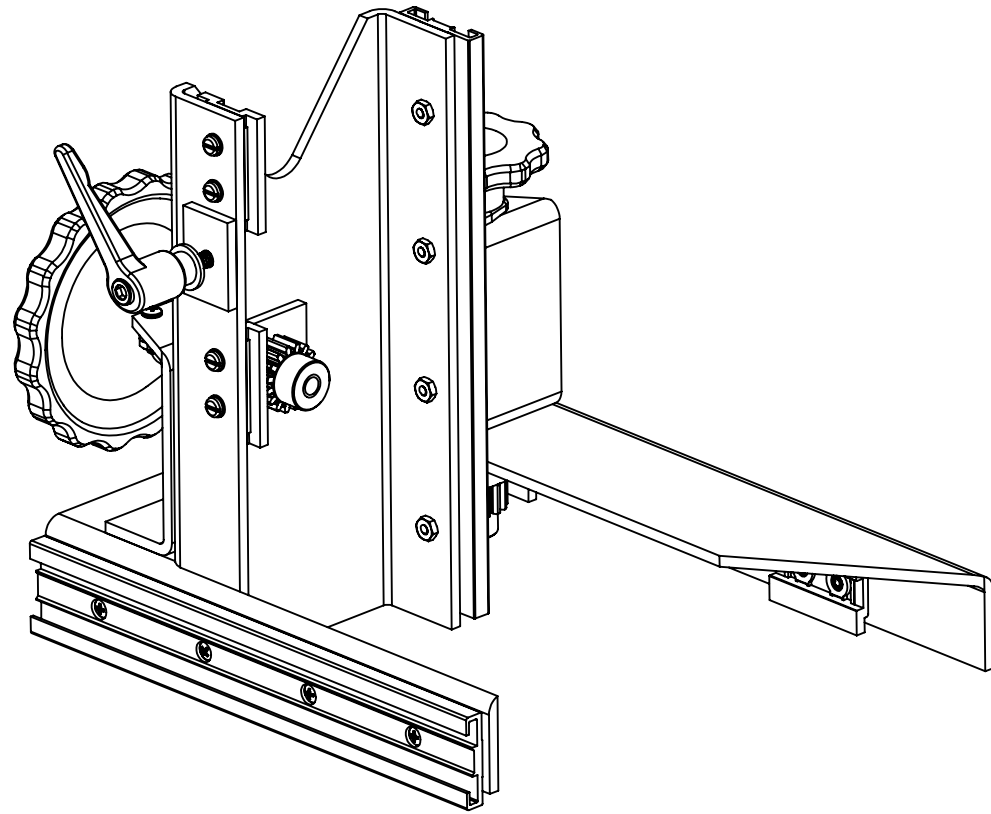
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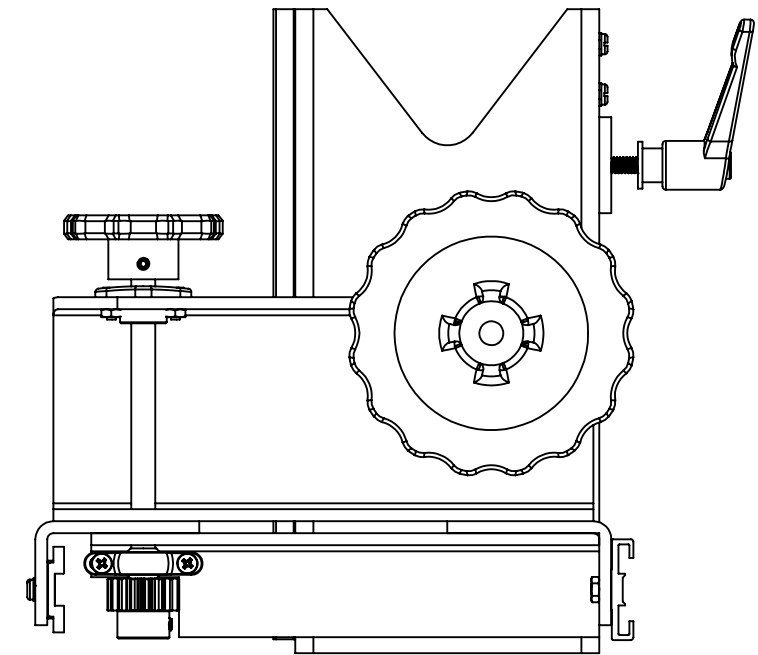
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SCALE: 1:3

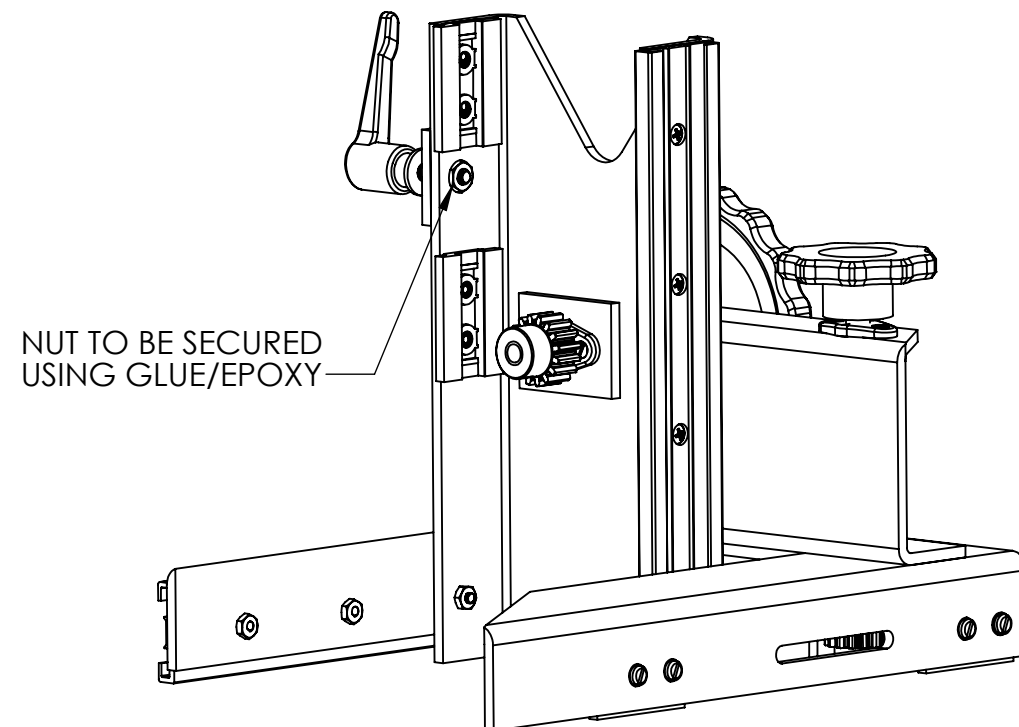
SHEET 1 OF 8



ASSEMBLED VIEW 1



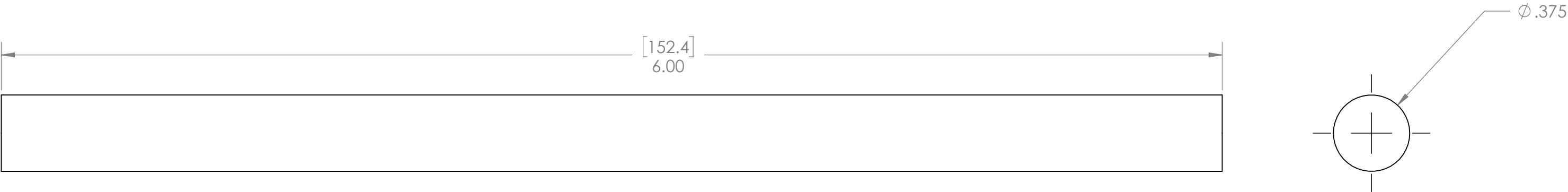
ASSEMBLED VIEW 2



ASSEMBLED VIEW 3

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				--	A
QTY: 1		SCALE: 1:3		SHEET 2 OF 8	



HAND WHEEL SHAFT - LONG

NOTE: DUAL-DIMENSION UNITS IN [MM]

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26 MAY '22

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FOUR PLACE DECIMAL: ± 0.001

TITLE:

2022-05-24 Z-Slide Asm

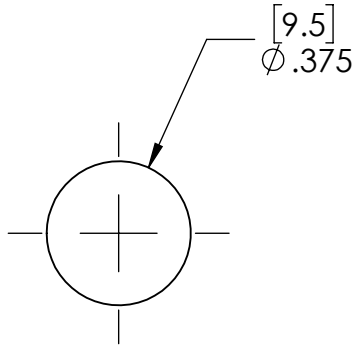
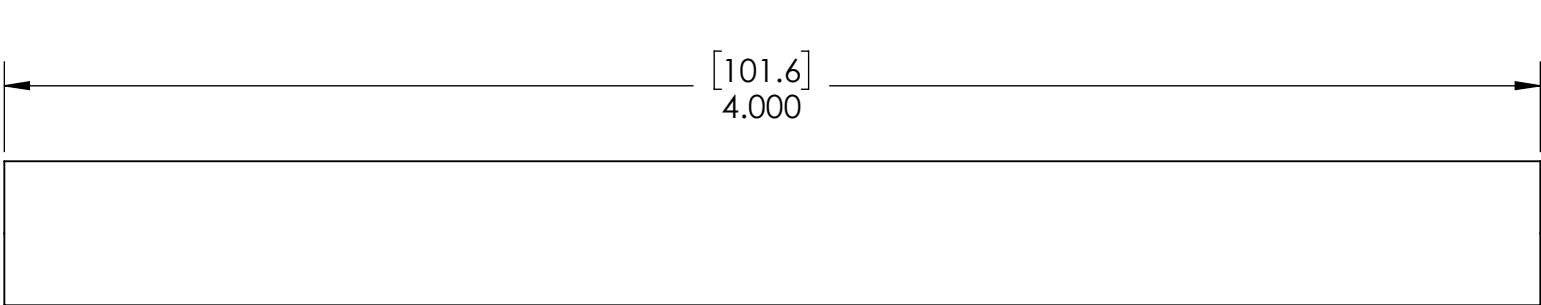
MATERIAL
ALUMINUM

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QTY: 1

SCALE: 2:1

SHEET 3 OF 8

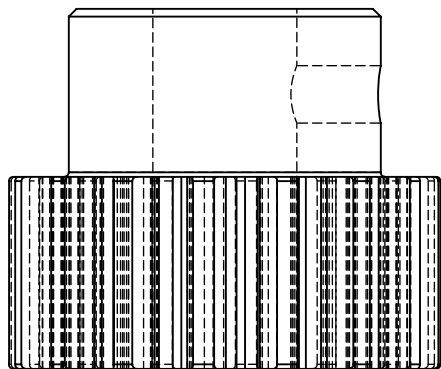


HAND WHEEL SHAFT - SHORT

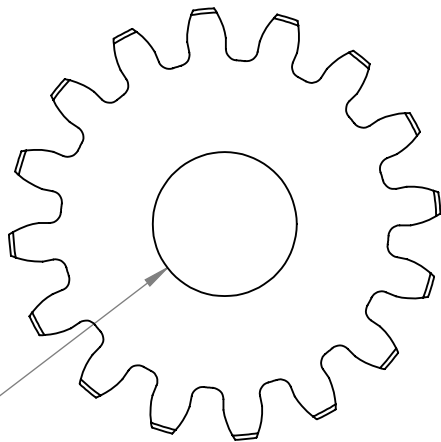
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QTY: 1		SCALE: 2:1		SHEET 4 OF 8	

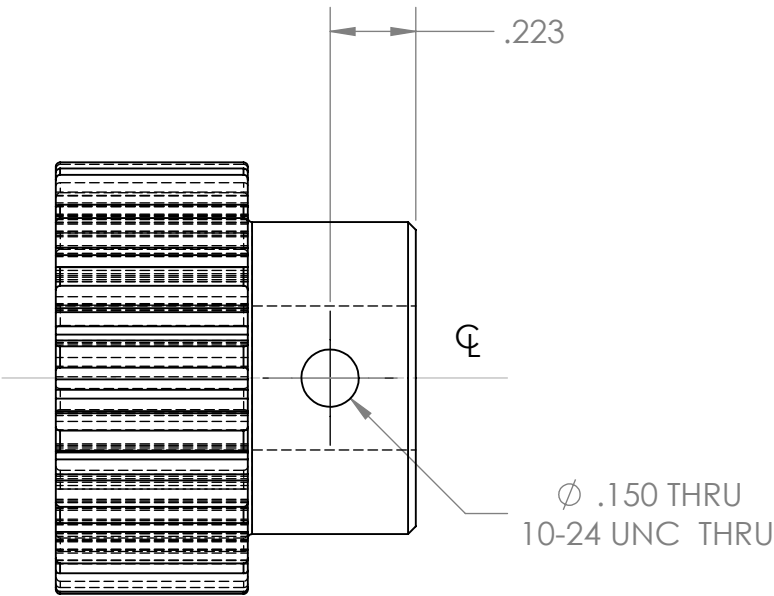


TOP VIEW



BORE TO Ø .375

FRONT VIEW



.223

Ø

Ø .150 THRU
10-24 UNC THRU

SIDE VIEW

MODIFIED SPUR GEAR

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FOUR PLACE DECIMAL: ± 0.001

TITLE:

2022-05-24 Z-Slide Asm

MATERIAL

PLASTIC - MCMASTER-CARR #60455K33

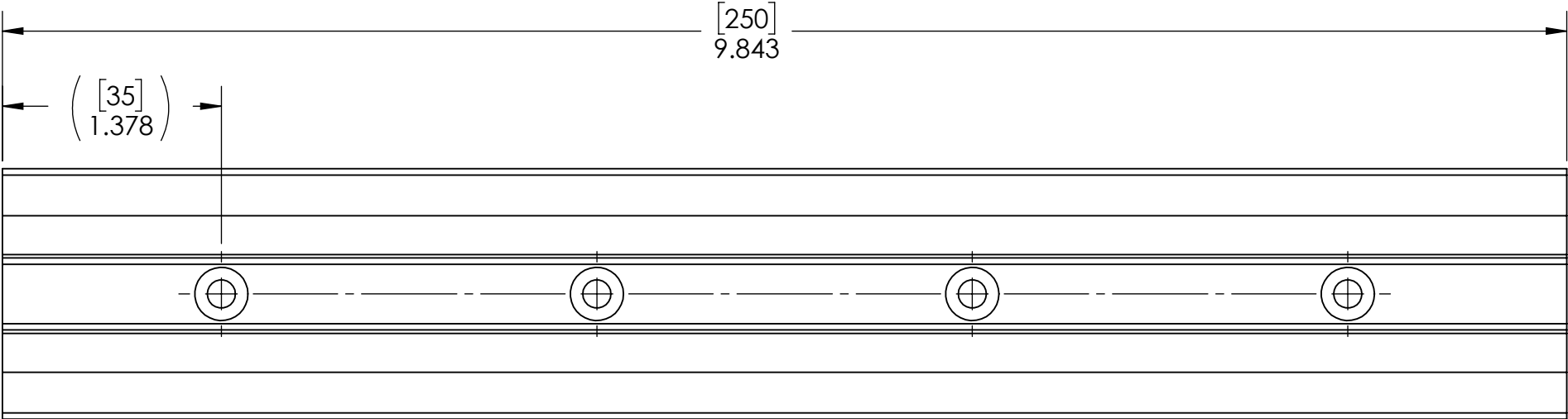
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SCALE: 2:1

SHEET 5 OF 8

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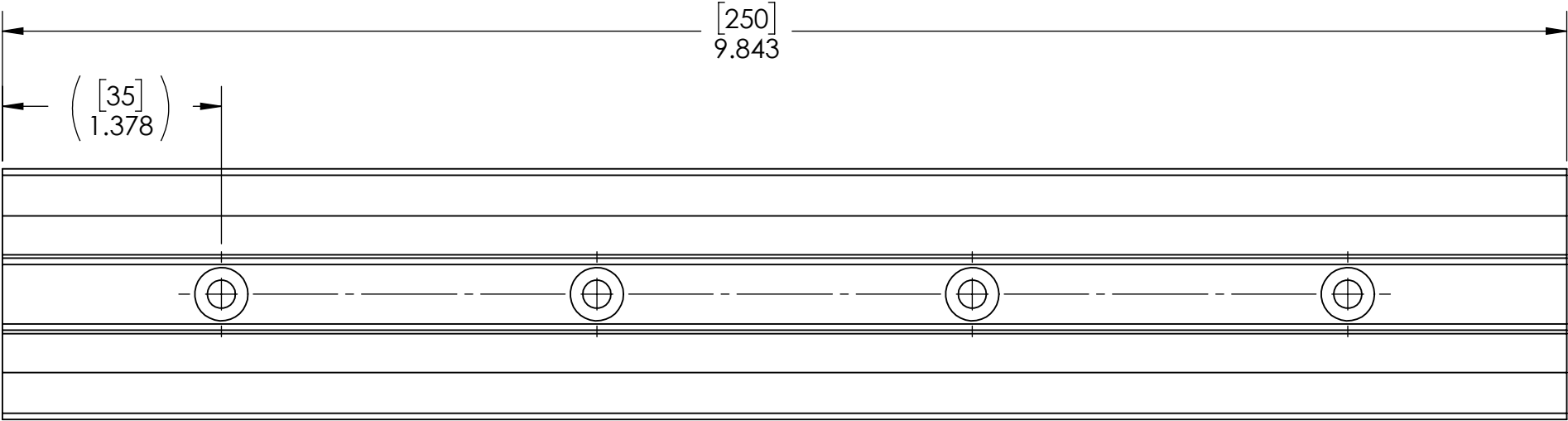


GUIDE RAIL Y

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				ALUMINUM - MCMASTER-CARR#6723K3	A	
	QTY: 1		SCALE: 1:1		SHEET 6 OF 8	

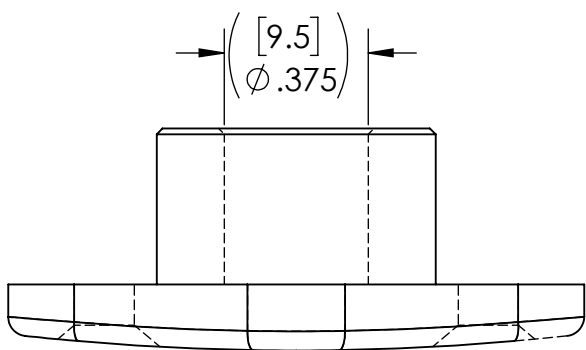


GUIDE RAIL - Z SHORT

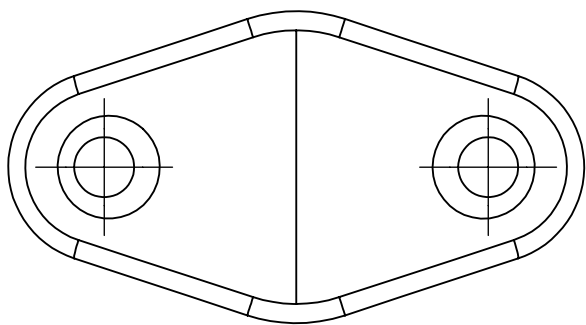
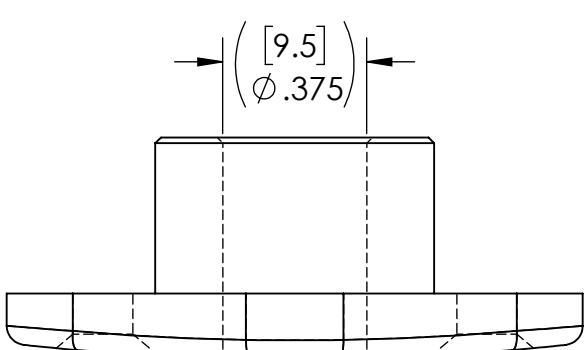
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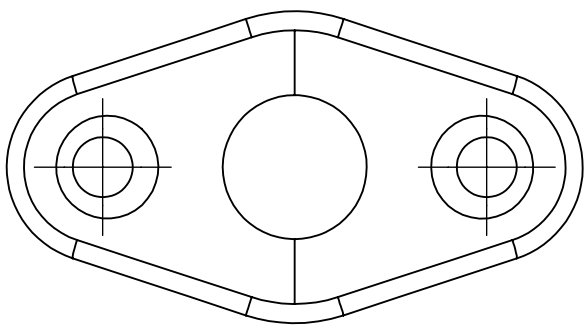
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	MATERIAL				REV	
	ALUMINUM - MCMaster-CARR#6723K3				A	
QTY: 1		SCALE: 1:1		SHEET 7 OF 8		



TO P VIEW



END VIEW - ORIGINAL



END VIEW - MODIFIED

MODIFIED SLELVE BEARING

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				PLASTIC - MCMASTER-CARR #2943N5	A
QTY: 2		SCALE: 1:1		SHEET 8 OF 8	