

ITEM NO.	PartNo	DESCRIPTION	QTY.
1	2019-12-04 Y Slide Asm	Fiberglass Y Slide	1
2	McMaster-Carr #6723K350	GUIDE RAIL - X LONG	1
3	McMaster-Carr #6723K350	GUIDE RAIL - Y	1
4	McMaster-Carr #6723K120	LOW-PROFILE SLEEVE BEARING CARRIAGE	4
5	McMaster-Carr #60435K890	HIGH-PRECISION PLASTIC GEAR RACK	1
6	McMaster-Carr #2943N5 (Modified)	Food-Grade Dry-Running Mounted Sleeve	2
7	2022-05-27 ALUMINUM SHAFT 3_8	Hand Wheel Shaft - Long	1
8	McMaster-Carr #60455K33	Machined Nylon 14 1/2° Spur Gear	1
9	2020-04-11 Hand wheel small	Small 3D-Printed Hand Wheel	1
10	2020-06-05 X Slide Shroud	3D-printed Gear Shroud	1
11	McMaster-Carr #94070A197	Pan Head Phillips Brass Screw	4
12	McMaster-Carr #94070A197	Pan Head Phillips Brass Screw	6
13	McMaster-Carr #94812A400	8-32 Nylon Hex Nut	9
14	McMaster-Carr #94270A218	Metric Nylon Slotted Rounded Head Screw	8
15	McMaster-Carr #95610A350	Metric Nylon Plastic Washer	8
16	MM-CARR #94605A150	6-32 x 5/8 FLAT HEAD, NYLON	4
17	MCMaster-CARR #94812A300	6-32 Nylon Hex Nut	4
18	McMaster-Carr #94070A197	Pan Head Phillips Brass Screw	2
19	MCMaster-CARR #92991A240	10-24 Brass Set Screw	2

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DRAWN

RM

25 MAY '22

TITLE:

CHECKED

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL: $\pm 1/64$ "
ANGULAR: $\pm 1^\circ$
TWO PLACE DECIMAL: ± 0.015
THREE PLACE DECIMAL: ± 0.003
FOUR PLACE DECIMAL: ± 0.001

2022-05-23 Y-Slide Asm

MATERIAL

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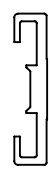
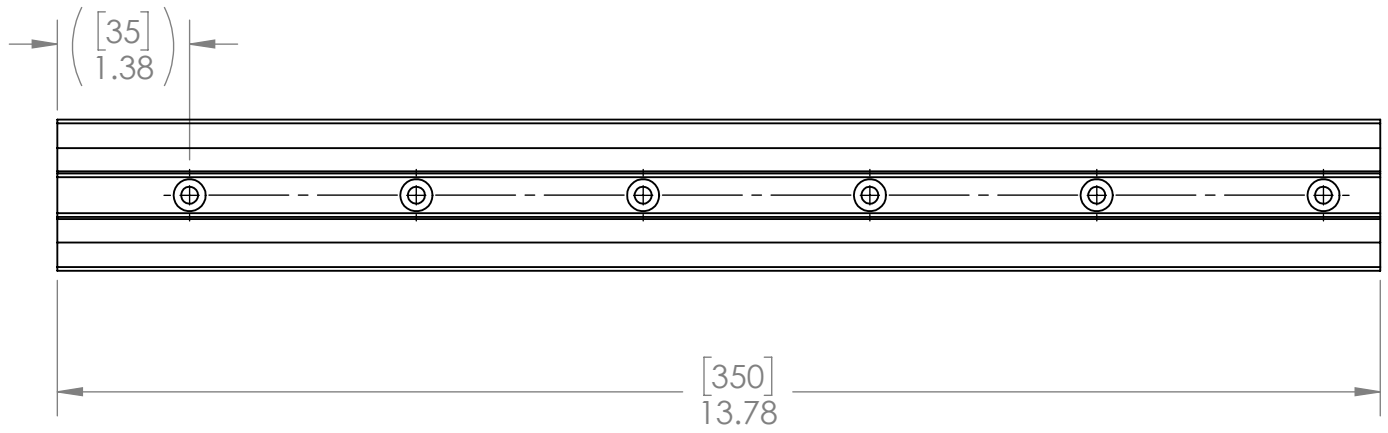
REV

A

QTY: 1

SCALE: 1:3

SHEET 1 OF 7

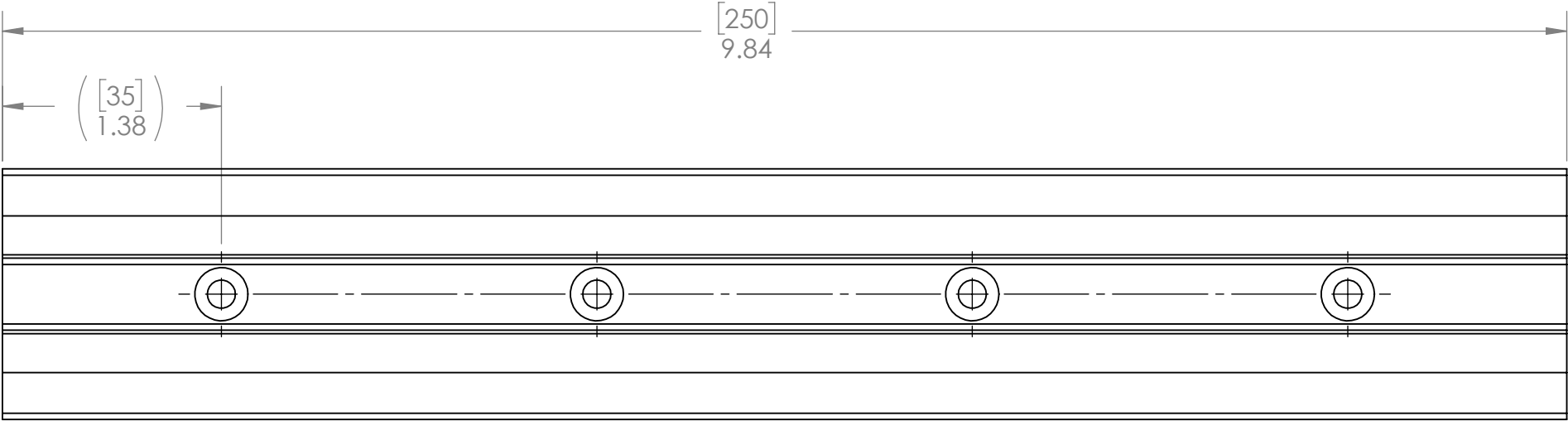


GUIDE RAIL X LONG

NOTE: DUAL-DIMENSION UNITS IN [MM]

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				ALUMINUM - MCMASTER-CARR #6723K3	A
	QTY: 1		SCALE: 1:2		SHEET 2 OF 7

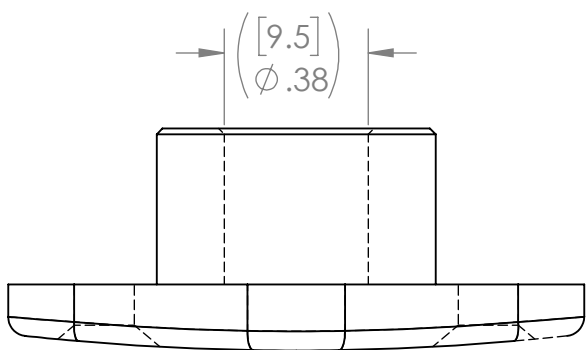


GUIDE RAIL Y

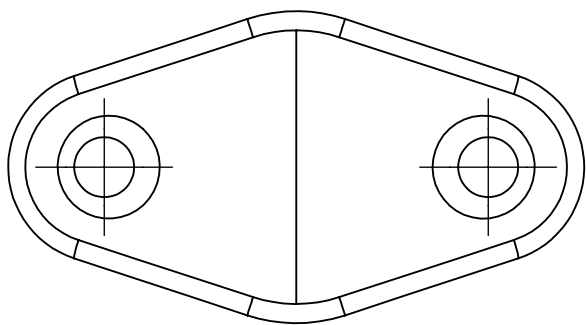
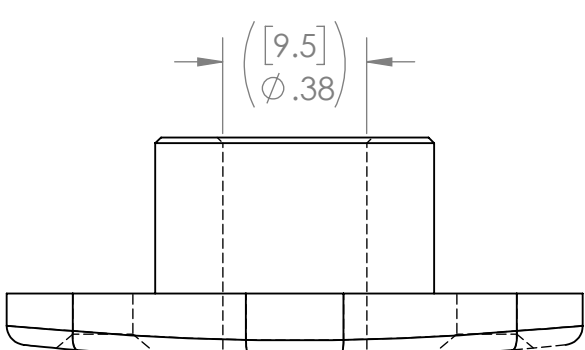
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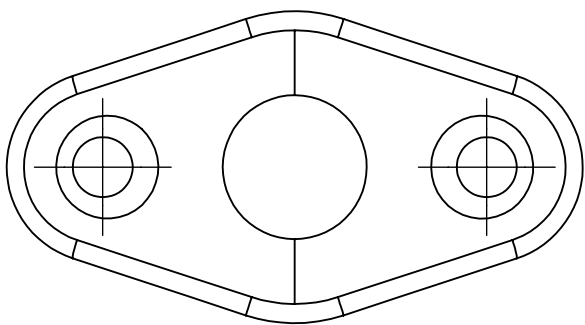
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				ALUMINUM - MCMMASTER-CARR#6723K3	A	
	QTY: 2		SCALE: 1:1		SHEET 3 OF 7	



TO P VIEW



END VIEW - ORIGINAL



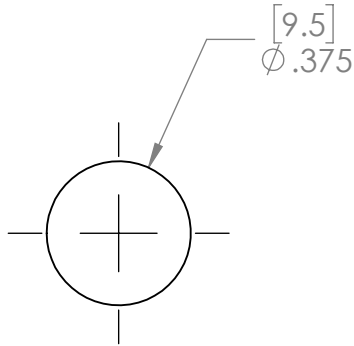
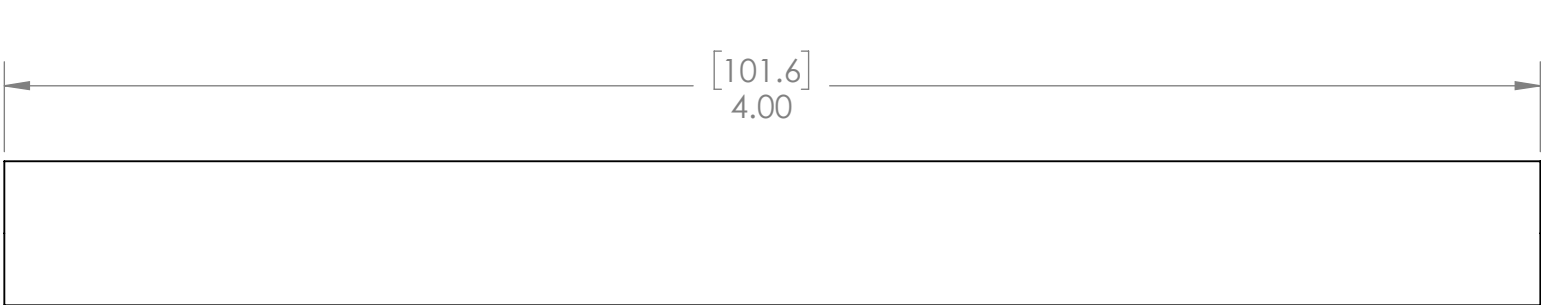
END VIEW - MODIFIED

MODIFIED SLELVE BEARING

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				PLASTIC - MCMASTER-CARR #2943N5	A
QTY: 2		SCALE: 1:1		SHEET 4 OF 7	

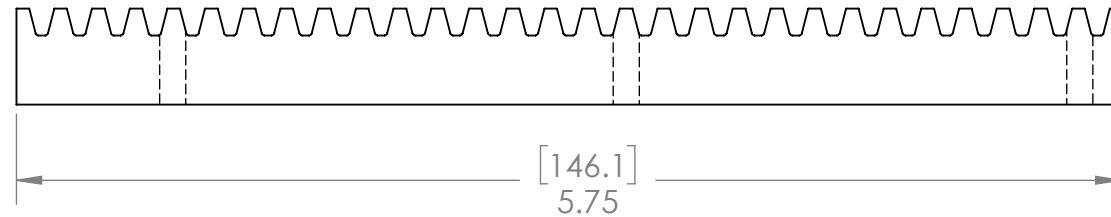


HAND WHEEL SHAFT - SHORT

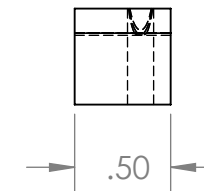
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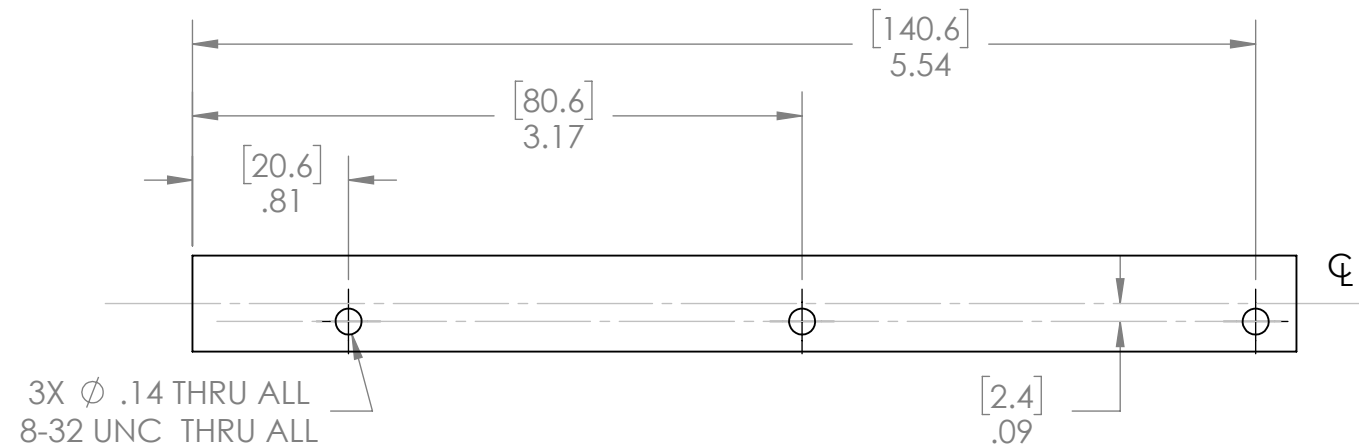
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				MATERIAL	REV	
				ALUMINUM	A	
QTY: 1		SCALE: 2:1		SHEET 5 OF 7		



SIDE VIEW



END VIEW



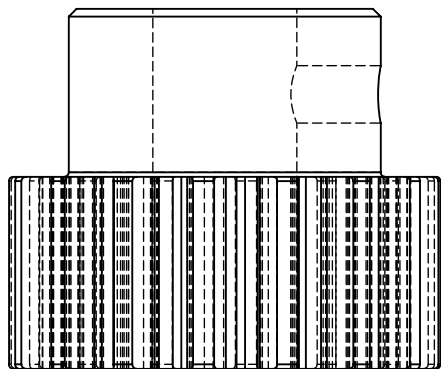
BOTTOM VIEW

GEAR RACK Y

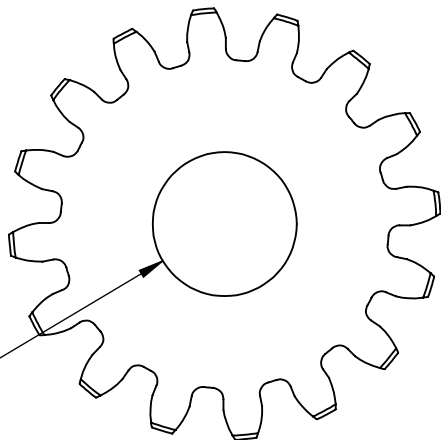
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				PLASTIC - MCMASTER-CARR #60435K89	A
QTY: 1		SCALE: 1:1		SHEET 6 OF 7	

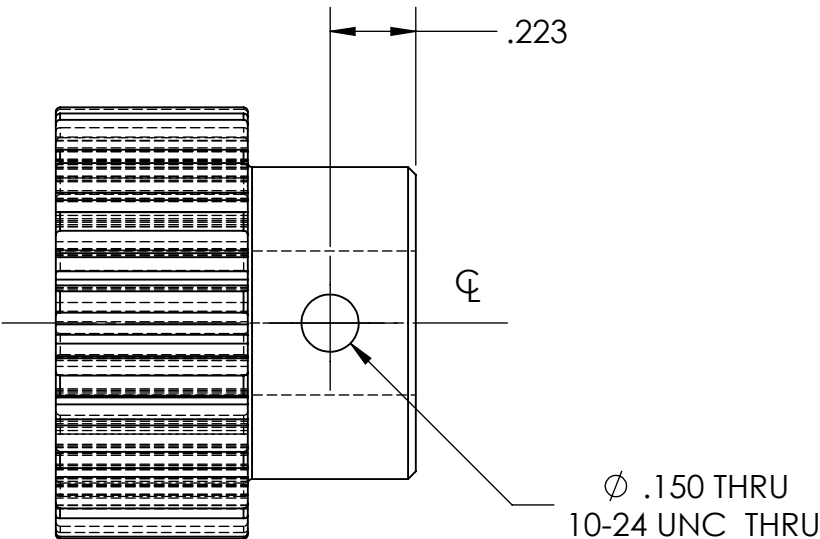


TOP VIEW



BORE TO Ø .375

FRONT VIEW



.223

CL

Ø .150 THRU
10-24 UNC THRU

SIDE VIEW

MODIFIED SPUR GEAR

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ANGULAR: $\pm 1^\circ$
TWO PLACE DECIMAL: ± 0.063
THREE PLACE DECIMAL: ± 0.003
FOUR PLACE DECIMAL: ± 0.001

TITLE:

2022-05-23 Y-Slide Asm

MATERIAL

PLASTIC - MCMASTER-CARR #60455K33

QTY: 3

SCALE: 2:1

SHEET 7 OF 7

REV

A