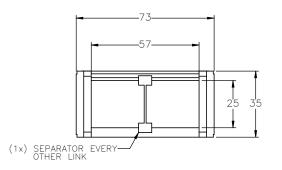
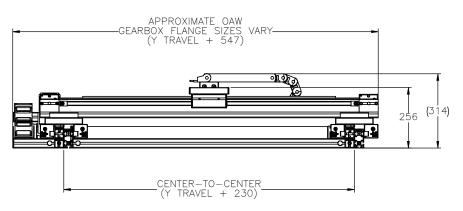


GANTRY FOOTPRINT



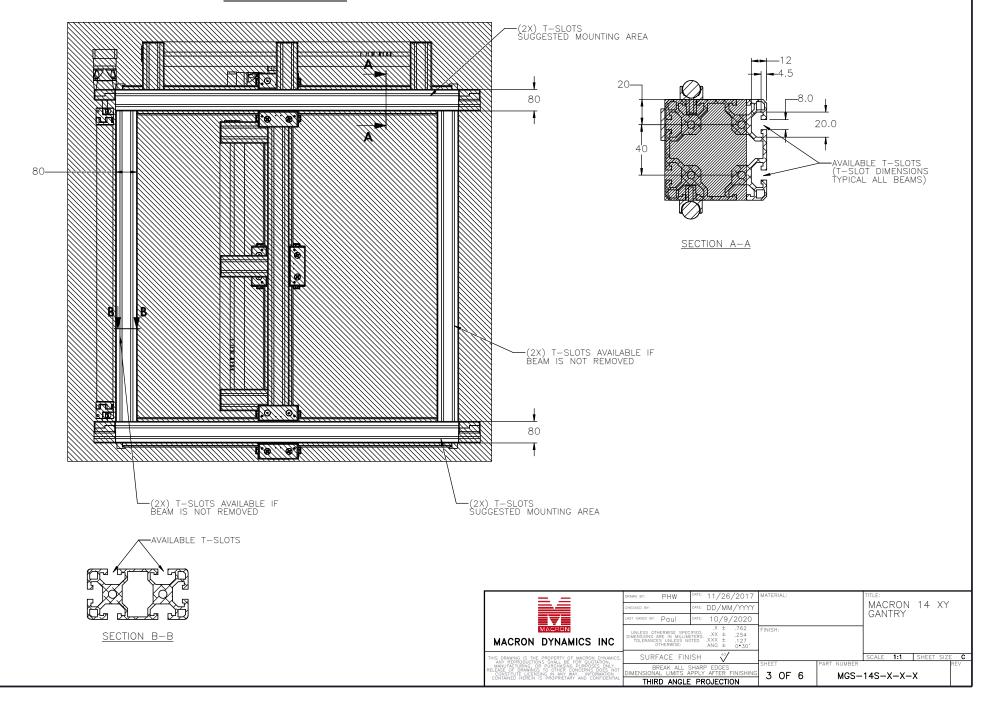
CABLE TRACK CROSS SECTION (SAME FOR BOTH AXES)



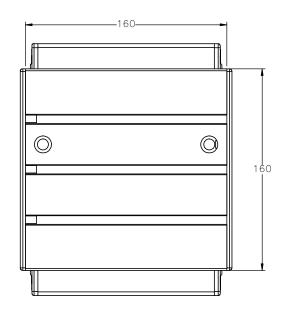


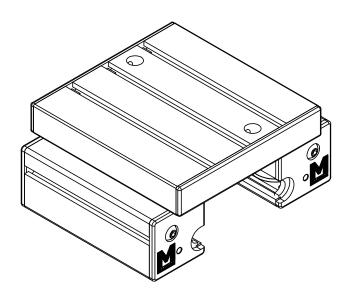
GANTRY MOUNTING FEATURES

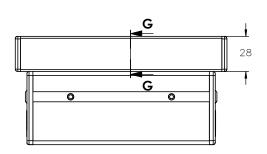
BOTTOM VIEW

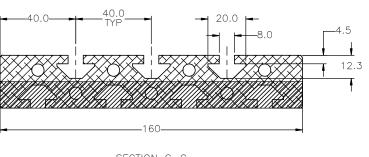


CART MOUNTING FEATURES







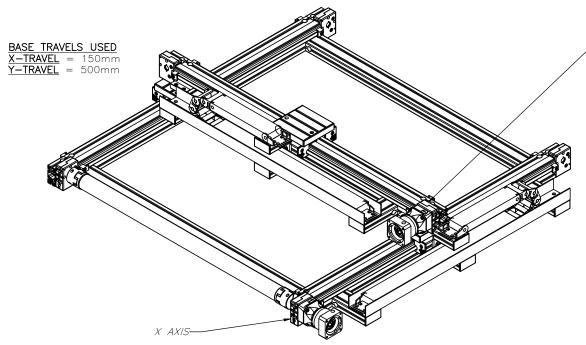


SECTION G-G

	DRAWN BY: PHW	DATE: 11/26/2017	MATERIAL:	TITLE:
	CHECKED BY:	DATE: DD/MM/YYYY	1	CSA-14S
	LAST SAVED BY: Paul	DATE: 10/9/2020		
MACRON DYNAMICS INC	UNLESS OTHERWISE SPEC DIMENSIONS ARE IN MILLIMI TOLERANCES UNLESS NO OTHERWISE:	X ± .762 SIFIED, XX ± .254 ETERS XXX ± .127 ANG ± 0 30	FINISH:	
THIS DRAWING IS THE PROPERTY OF MACRON DYNAMICS.	SURFACE FIN	ISH 63		SCALE 1:1 SHEET SIZE C
ANY REPRODUCTIONS SHALL BE FOR QUOTATION, MANUFACTURING, OR PURCHASING PURPOSES ONLY. RELEASE OF DRAWINGS TO OTHER CONCERNS DOES NOT CONSTITUTE LICENSING IN ANY WAY. INFORMATION		SHARP EDGES PPLY AFTER FINISHING	SHEET PART NUMBER 4 OF 6 MGS-	14S-X-X-X
CONTAINED HEREIN IS PROPRIETARY AND CONFIDENTIAL	THIRD ANGLE	PROJECTION	7 + 01 0 MG3-	173-7-7-7

MOTOR SIZING WORKSHEET

(INCREMENTAL ADDERS REFER TO MASS PER TRAVEL LENGTH)



-Y AXIS	
PROPERTY	BASE VALUE (T=500mm)
MOVING MASS	4.275(+0.018kg/25mm)
BELT MASS	
SYSTEM MASS	15.283(+0.188kg/25mm)
PULLEY PITCH Ø	47.75mm (1.88")
PULLEY WIDTH	28.9mm (1.14")
PULLEY MATERIAL	STEEL

PROPERTY	BASE VALUE (T=150mm)			
*MOVING MASS	8.742kg(+0.024kg/25mm)			
BELT MASS	0.276kg(+0.012kg/25mm)			
PULLEY PITCH Ø	47.75mm (1.88")			
PULLEY WIDTH	28.9mm (1.14")			
PULLEY MATERIAL	STEEL			
**TORQUE TUBE LENGTH	421mm			
TORQUE TUBE ϕ	65mm			
**TORQUE TUBE MASS	0.95kg(+0.0563kg/25mm)			
TORQUE TUBE MATERIAL	ANODIZED ALUMINUM ELASTOMER STYLE COUPLINGS WITH HUB			
TRAVEL PER REV	150mm			

*SYSTEM MASS OF Y-AXIS NEEDS TO BE ADDED TO THIS

**BASE VALUE AT Y TRAVEL = 500mm

X-TRAVEL	=	mm
Y-TRAVEL	=	mm

NOTE: ALL SUPPLIED MASSES DO NOT INCLUDE CUSTOMER COMPONENTS (MOTORS, CABLES, ETC.)

GEARBOX MASS (ADD TO SYSTEM MASSES)	MPG-064	1.0kg
	MPG-084	2.3kg
	MPG-114	5.8kg
	MRG-064	3.0kg
	MRG-084	5.6kg
	MRG-114	15.0kg

TOTAL SYSTEM MASS	(X TRAVEL	× .0125) +	(Y TRAVEL	. x .0145) + 34.5	5 = kg
= =	DRAWN BY: PHW	DATE: 11/26/2017	MATERIAL:		TITLE:	
	CHECKED BY:	DATE: DD/MM/YYYY			MACRON GANTRY	14 XY
	LAST SAVED BY: Paul	DATE: 10/9/2020			GANTRI	
MACRON DYNAMICS INC	UNLESS OTHERWISE SPEC DIMENSIONS ARE IN MILLIMI TOLERANCES UNLESS NO OTHERWISE:	ETERS^^ ± .254	FINISH:			
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SPECIFICATIONS

Sensor Type	Inductive		
Carran Sian	Fits all 8mm		
Sensor Size	wide T-Slots		
Operating Voltage	10-30 VDC		
Voltage Drop Across Conducting Sensor	≤1.8 V at 100 mA		
Number of Conductors (AWG)	3x26 AWG		
Temperature Range	-40°C to 105°C		

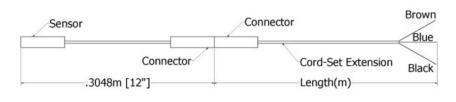
Part Number Configuration

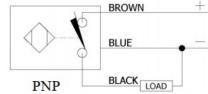
244- - -

PNP or NPN	NC or NO	02	Meters
PNP or NPN	NC or NO	06	Meters
PNP or NPN	NC or NO	12	Meters

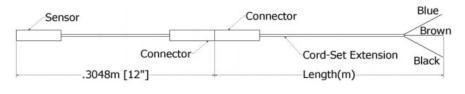
Example: PNP, normally closed, cord-set extension length 6 meters = 244-PNP-NC-06

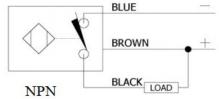
PNP Diagrams





NPN Diagrams









KIT INCLUDES - SENSOR, CORDSET EXTENSION, AND MOUNTING HARDWARE

	DRAWN BY: PHW	DATE: 11/26/2017	MATERIAL:		TITLE:	
	CHECKED BY:	DATE: DD/MM/YYYY			T-SLOT	SENSOR
	LAST SAVED BY: Paul	DATE: 10/9/2020			KIT	
MACRON DYNAMICS INC	UNLESS OTHERWISE SPEC DIMENSIONS ARE IN MILLIME TOLERANCES UNLESS NO OTHERWISE:	TERS .AA ± .2JT	FINISH:			
THIS DRAWING IS THE PROPERTY OF MACRON DYNAMICS. ANY REPRODUCTIONS SHALL BE FOR QUOTATION.	SURFACE FINI	ISH €3			SCALE 1:1	SHEET SIZE C
ANT REPRODUCTIONS PARALL BE TO QUOTATION, MANUFACTURING, OR PURCHASING PURPOSES ONLY. RELEASE OF DRAWINGS TO OTHER CONCERNS DOES NOT CONSTITUTE LICENSING IN ANY WAY. INFORMATION CONTAINED HEREIN IS PROPRIETARY AND CONFIDENTIAL		SHARP EDGES PPLY AFTER FINISHING PROJECTION	6 OF 6	MGS-	14S-X-X-X	K REV