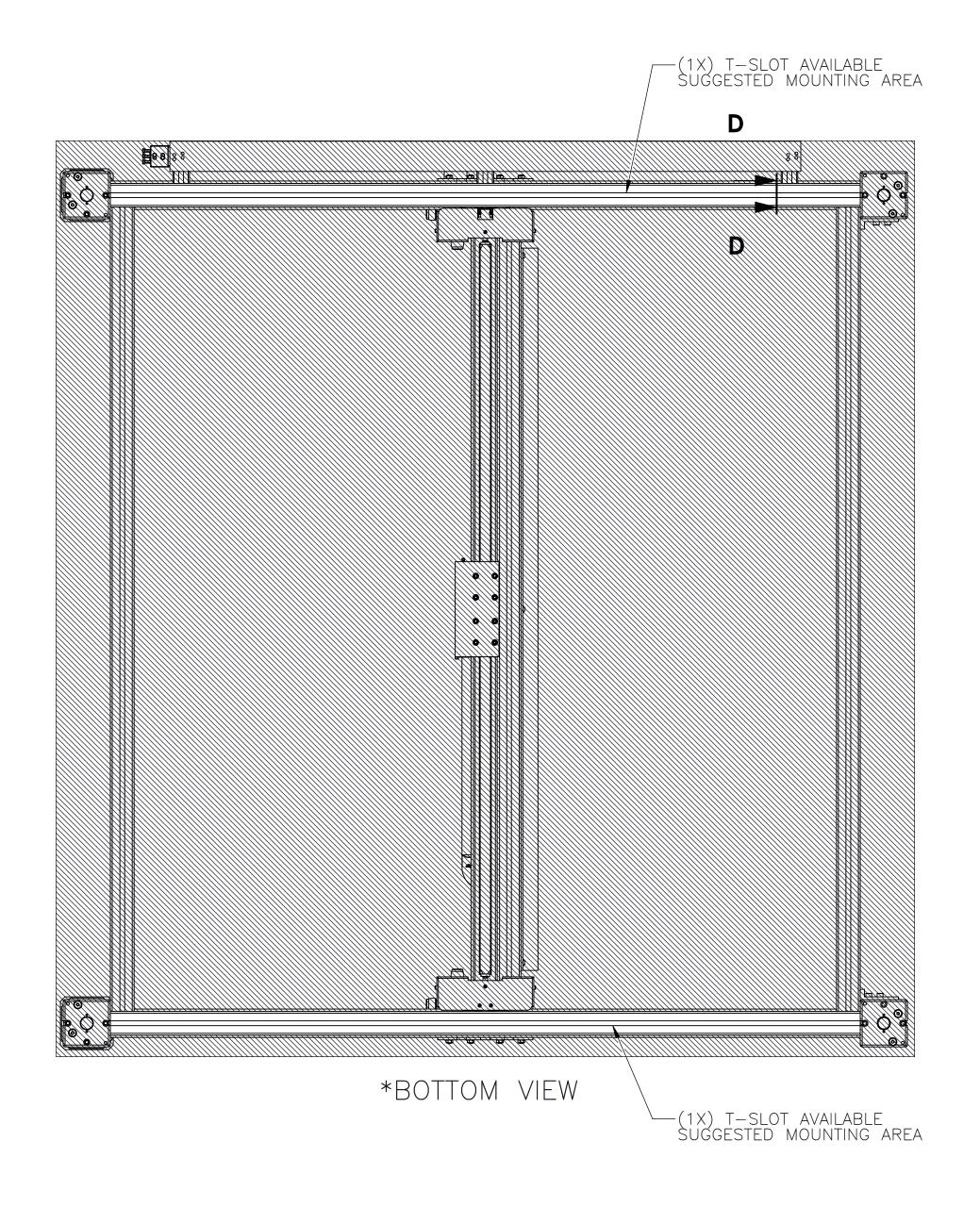
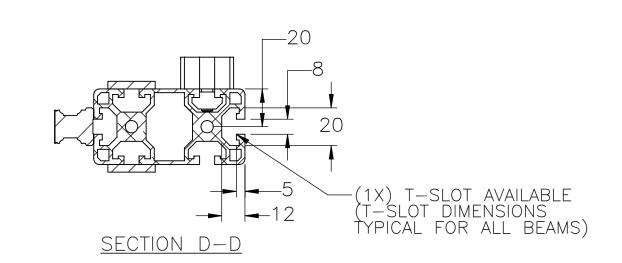
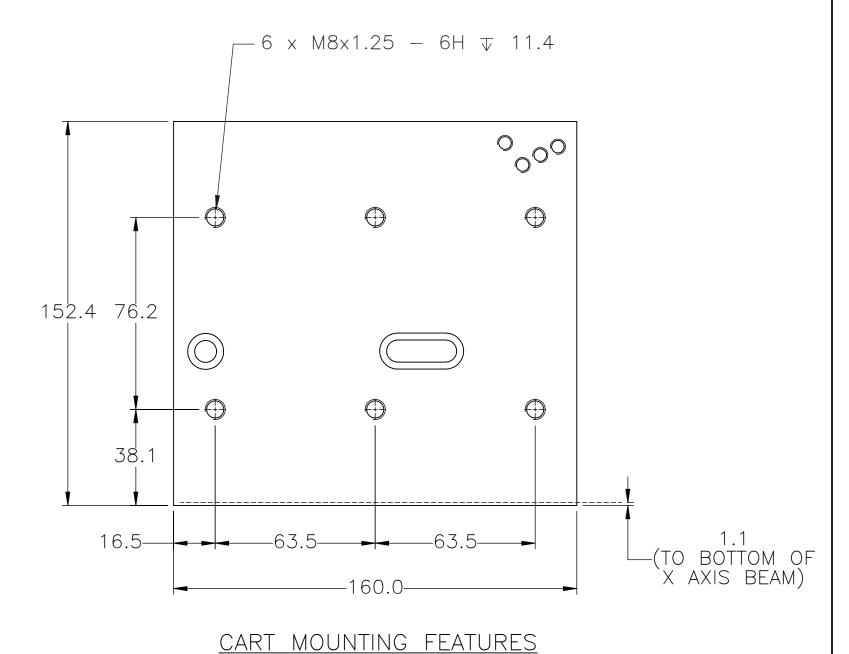


GANTRY MOUNTING FEATURES

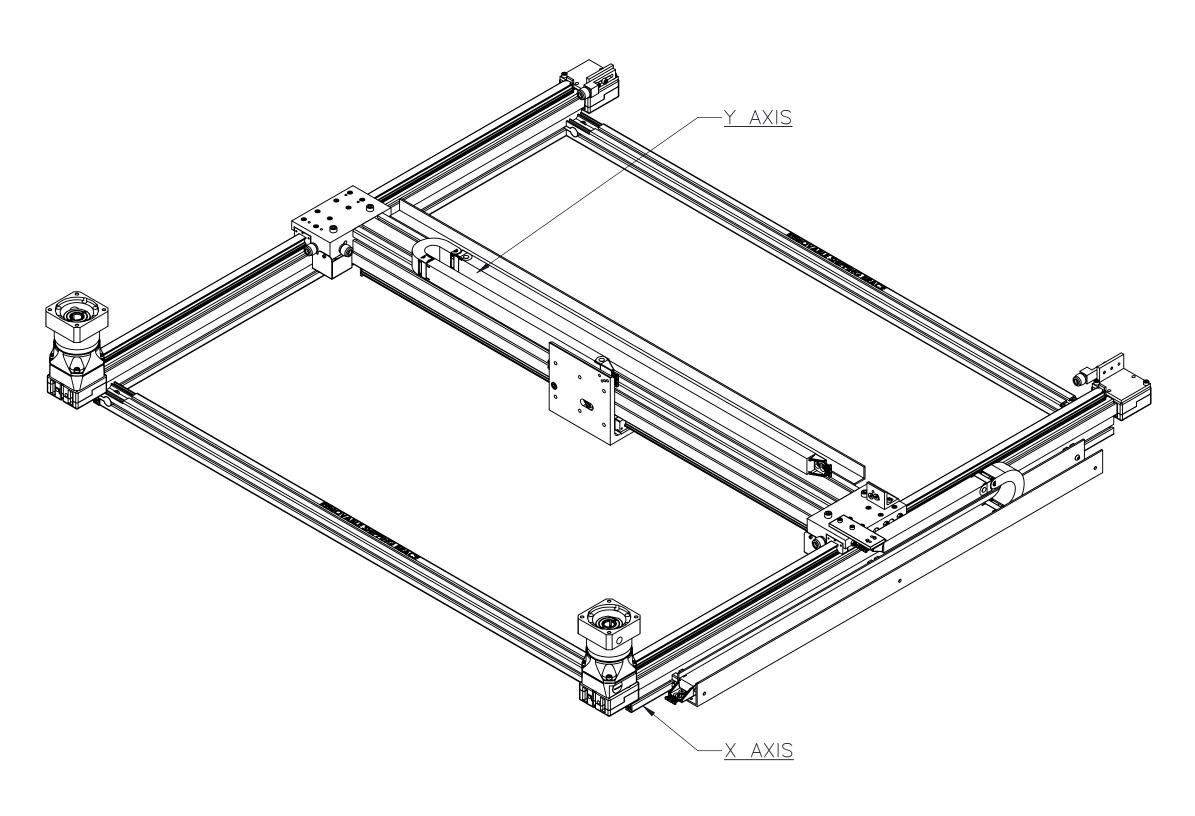






	DRAWN BY: TB	DATE: 1/2/2019	MATERIAL:		TITLE:	
	CHECKED BY:	DATE: DD/MM/YYYY			MACRON	H-BOI
	LAST SAVED BY: TH	DATE: 10/11/2022			GANTRY	
MACRON DYNAMICS INC	UNLESS OTHERWISE SPECI DIMENSIONS ARE IN MILLIME TOLERANCES UNLESS NO OTHERWISE:	.X ± .762 FIED, .XX ± .254 TED .XXX ± .127 ANG ± 0•30'	FINISH:			
THIS DRAWING IS THE PROPERTY OF MACRON DYNAMICS. ANY REPRODUCTIONS SHALL BE FOR QUOTATION,	SURFACE FIN	ISH 63/		DADT NUMBER	SCALE 1:1	SHEET SIZE C
MANUFACTURING, OR PURCHASING PURPOSES ONLY. RELEASE OF DRAWINGS TO OTHER CONCERNS DOES NOT CONSTITUTE LICENSING IN ANY WAY. INFORMATION		SHARP EDGES APPLY AFTER FINISHING		PART NUMBER MGS-F	HBG-25-X-	-X-X
CONTAINED HEREIN IS PROPRIETARY AND CONFIDENTIAL	THIRD ANGLE	PROJECTION		10100 1	1DO 20 X	^ ^

MOTOR SIZING WORKSHEET



PROPERTY	VALUE		
PULLEY PITCH Ø	47.75mm (1.88")		
PULLEY WIDTH	28.9mm (1.14")		
PULLEY MATERIAL	STEEL		
TRAVEL PER REV	150mm		
BELT WIDTH	25mm (.98")		
ULTIMATE TENSILE STRENGTH OF BELT	1750 LBS (7787 N)		
RECOMMENDED BELT RUNNING LOAD	437 LBS (1945 N)		

 $X-TRAVEL = \underline{mm}$ $Y-TRAVEL = \underline{mm}$

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

CEADDOV	MPG-064	1.0kg
GEARBOX MASS (ADD	MPG-084	2.3kg
TO SYŜTEM MASSES)	MRG-064	3.0kg
IVI/ (OOLO)	MRG-084	5.6kg

TOTAL BELT MASS	(X TRAVEL x .00048) + (Y TRAVEL	× .00024) +	21 = kg	
TOTAL MOVING MASS	(X TRAVEL x .0009) + (Y TRAVEL :	× .0043) + 1	4.23 = kg	
TOTAL SYSTEM MASS	(X TRAVEL x .0118) + (Y TRAVEL :	× .0116) + 1	9.83 = kg	

	= <i>=</i>	
	MACRON	
MACRON	DYNAMICS	INC

DRAWN BY:	TB	DATE:	1/2,	/2019	MATERIAL:
CHECKED BY:		DATE:	DD/M	M/YYYY	
LAST SAVED BY:	TH	DATE:	10/1	1/2022	
		ERS.	.X ± .XX ± .XXX ± ANG ±	.762 .254 .127 0•30'	FINISH:
0			63	/	

MACRON H-BOT GANTRY

THIS DRAWING IS THE PROPERTY OF MACRON DYNAMICS.
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
CONTAINED HEREIN IS PROPRIETARY AND CONFIDENTIAL

SURFACE FINISH 53 SCALE 1:1 SHEET SIZE C

BREAK ALL SHARP EDGES
DIMENSIONAL LIMITS APPLY AFTER FINISHING
THIRD ANGLE PROJECTION

SCALE 1:1 SHEET SIZE C

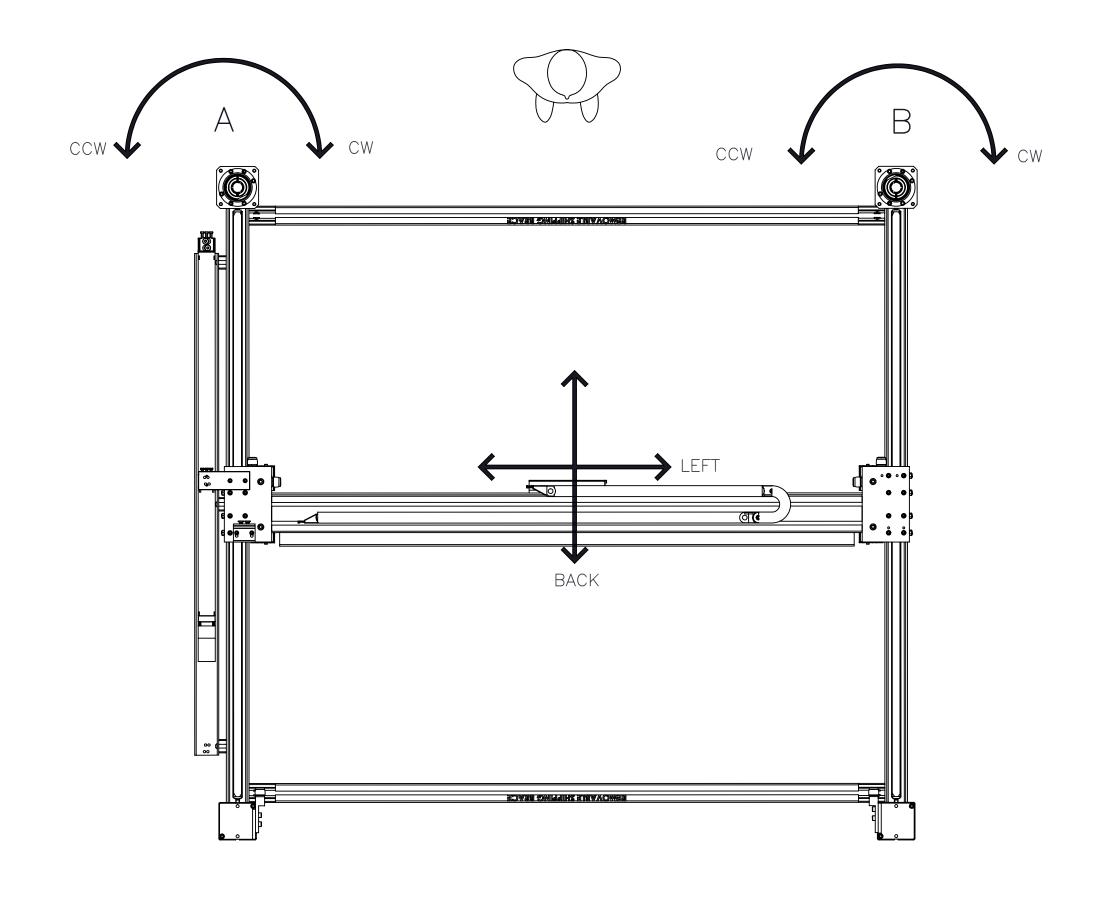
PART NUMBER

MGS-HBG-25-X-X-X

O2

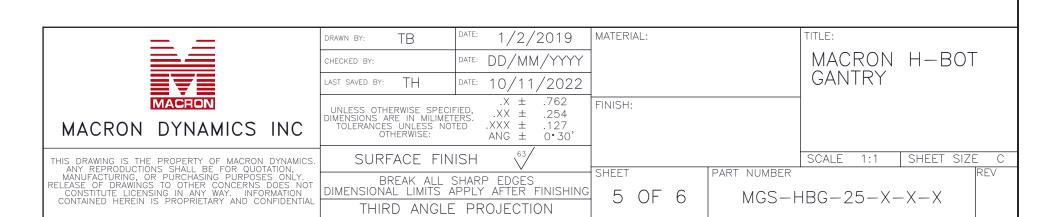
MOTOR DYNAMICS

(ASSUMES MOTORS ARE ROTATING AT SAME ANGULAR VELOCITY)



ROTATIONAL	Y-AXIS CART MOVEMENT	
PULLEY A	PULLEY B	
CW	CW	LEFT
CW	CCW	BACK
CCW	CW	FRONT
CCW	CCW	RIGHT

PULLEY ROTATION AND Y-AXIS CART MOVEMENT ARE WITH RESPECT TO THIS GANTRY VIEW



SPECIFICATIONS

Sensor Type	Inductive		
Sensor Size	Fits all 8mm		
Selisui 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		

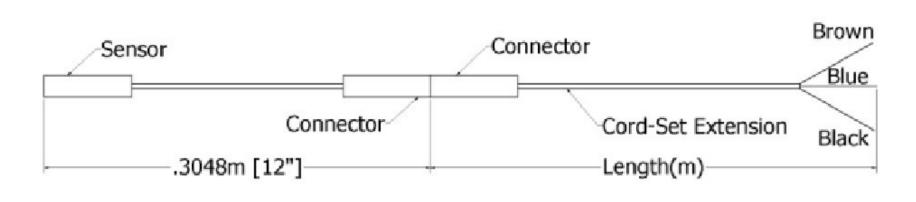
Part Number Configuration

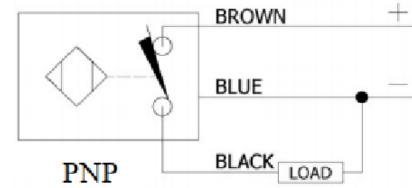
244-_ _ -_ _

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

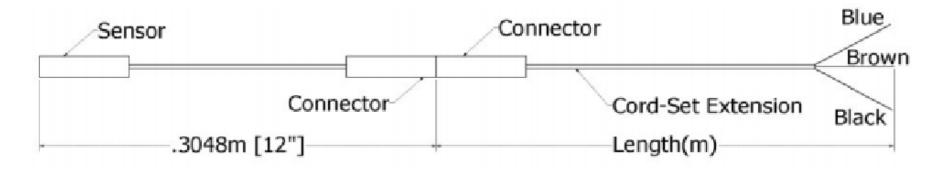
Example: PNP, normally closed, cord-set extension length 6 meters = 244-PNP-NC-06

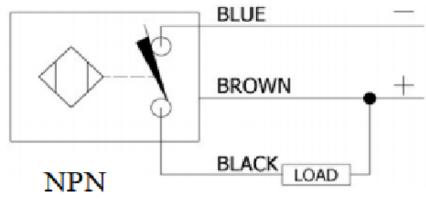
PNP Diagrams

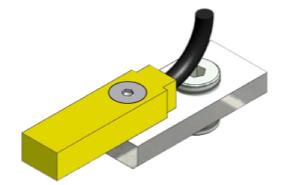


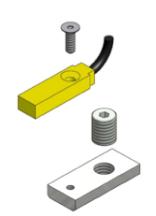


NPN Diagrams









KIT INCLUDES - SENSOR, CORDSET EXTENSION, AND MOUNTING HARDWARE

	DRAWN BY: JA	DATE: 1/2/2019	MATERIAL:		TITLE:	
	CHECKED BY:	DATE: DD/MM/YYYY			T-SLOT	SENSOR
	LAST SAVED BY: TH	DATE: 10/11/2022			KIT	
MACHON	UNLESS OTHERWISE SPEC DIMENSIONS ARE IN MILLIME	.X ± .762 IFIED, .XX ± .254	FINISH:			
MACRON DYNAMICS INC	TOLERANCES UNLESS NO OTHERWISE:	ANG ± 0.30'				
THIS DRAWING IS THE PROPERTY OF MACRON DYNAMICS.	SURFACE FIN	ISH ⁶³ ∕		DART NUMBER	SCALE 1:1	SHEET SIZE C
	BREAK ALL S DIMENSIONAL LIMITS A	SHARP EDGES PPLY AFTER FINISHING		PART NUMBER	SOR CALL—C	NIT REV
CONTAINED HEREIN IS PROPRIETARY AND CONFIDENTIAL	THIRD ANGLE	PROJECTION		JLING	ON CALL—C	J