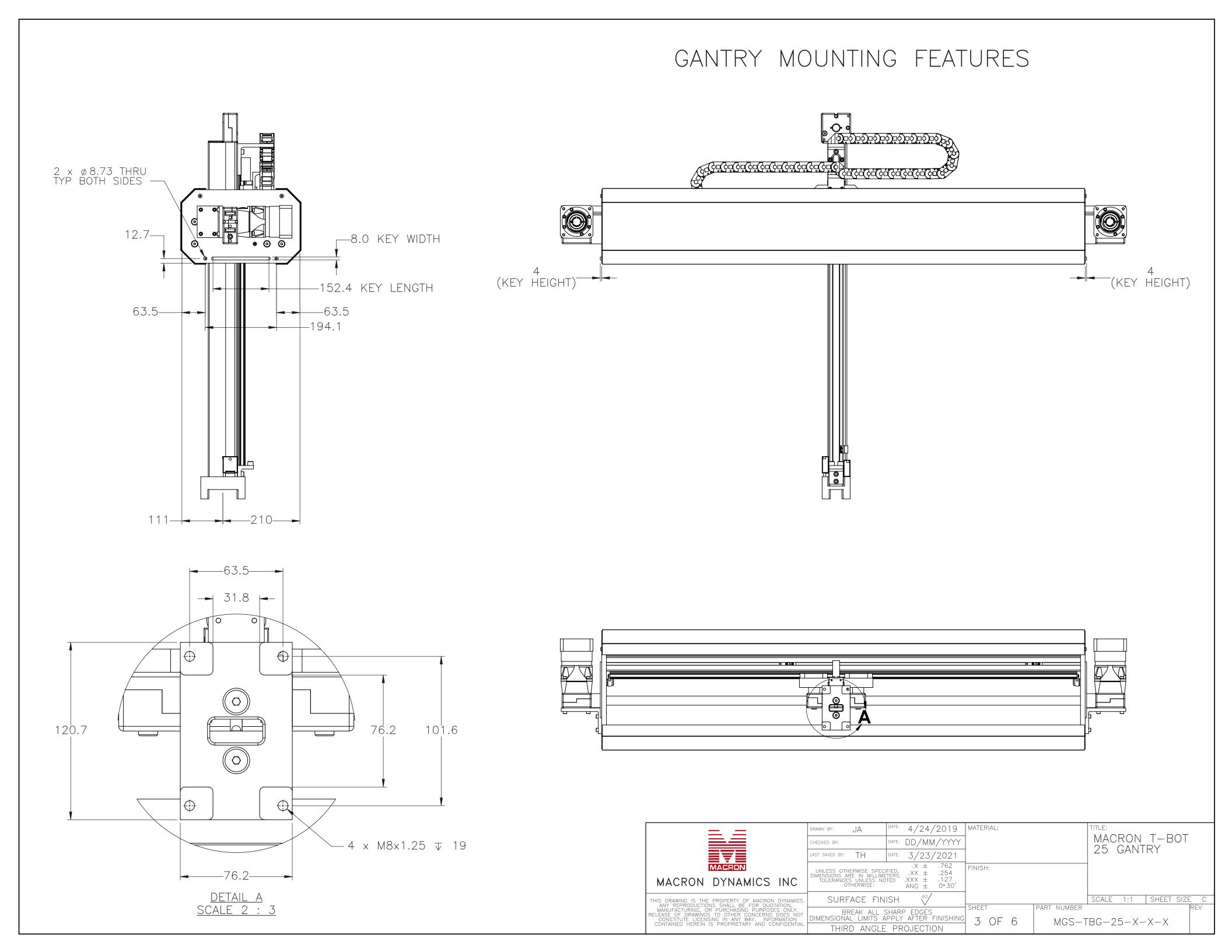


	DRAWN BY: JA CHECKED BY:	DATE: DD/MM/YYYY	MATERIAL:		MACRON		
	LAST SAVED BY: TH	DATE: 3/23/2021			25 GANT	RY	
MACHON ON DYNAMICS INC	UNLESS OTHERWISE SPECI DIMENSIONS ARE IN INCHE TOLERANCES UNLESS NO OTHERWISE:	S	FINISH:				
THE PROPERTY OF MACRON DYNAMICS.	SURFACE FIN	ISH 63			SCALE 1:1	SHEET SIZE C	;
UCTIONS SHALL BE FOR QUOTATION, IG, OR PURCHASING PURPOSES ONLY. WINGS TO OTHER CONCERNS DOES NOT JCENSING IN ANY WAY. INFORMATION REIN IS PROPRIETARY AND CONFIDENTIAL	DIMENSIONAL LIMITS A	SHARP EDGES APPLY AFTER FINISHING PROJECTION		part number MGS—T	BG-25-X-	X-X	

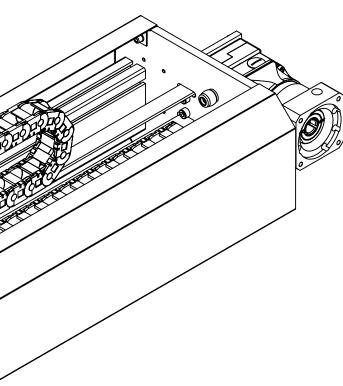


MOTOR SIZING INFORMATION

(INCREMENTAL ADDERS REFER TO MASS PER TRAVEL LENGTH)

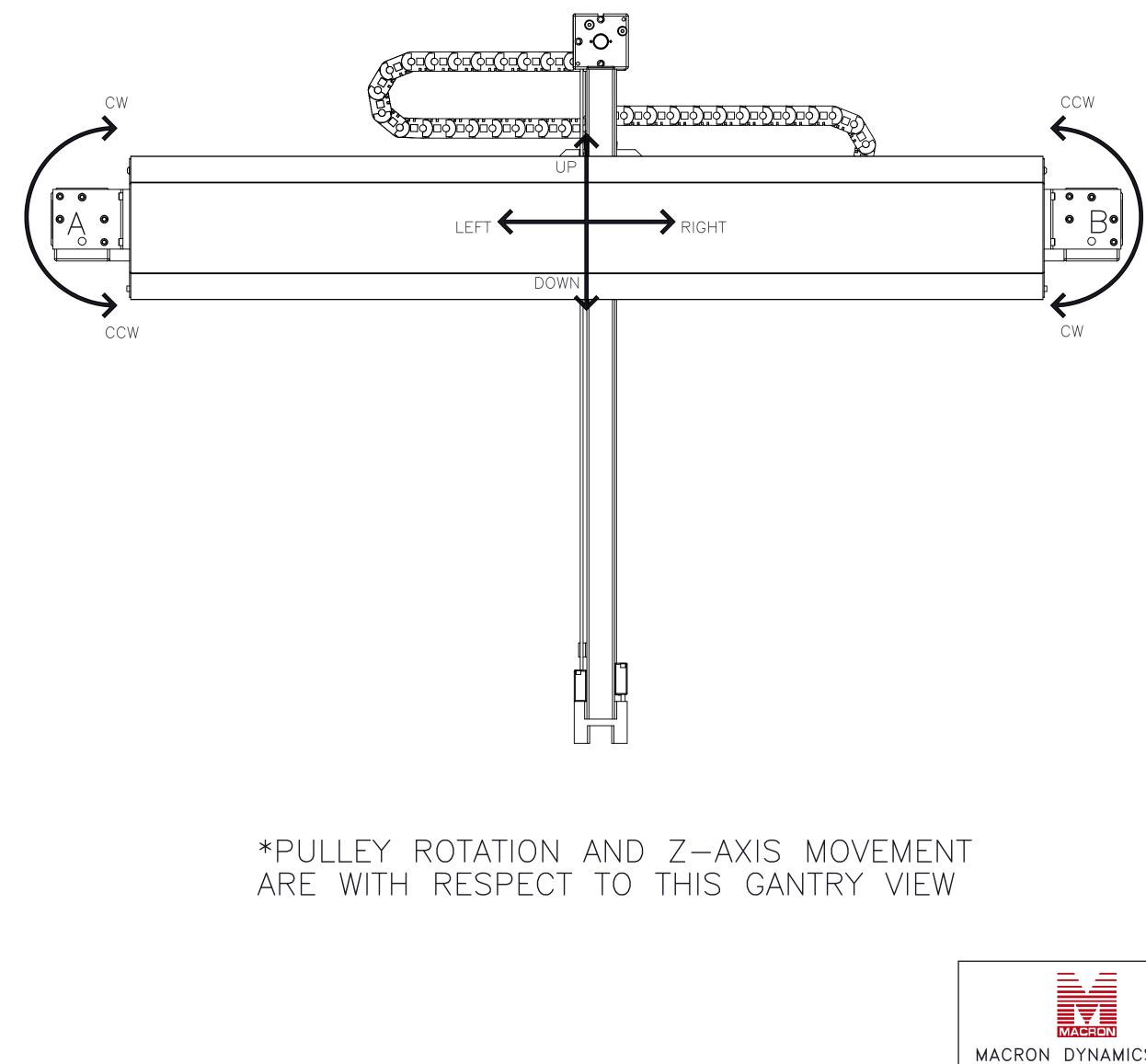
<u>base</u> trav	/ELS USED
X-TRAVEL	= 250mm
<u>Z-travel</u>	= 250mm

	Z-AXIS-		
PROPERTY	BASE VALUE (T=250mm)		
MOVING MASS	5.897kg(+0.156kg/25mm)		
SYSTEM MASS	11.928kg(+0.156kg/25mm)		
BELT MASS OF Z-AXIS	0.155kg(+0.006kg/25mm)		
PULLEY PITCH Ø	47.75mm (1.88")		
PULLEY WIDTH	28.9mm (1.14")		
PULLEY MATERIAL	STEEL		
TRAVEL PER REV	150mm		
PROPERTY *MOVING MASS BELT MASS OF X-AXIS PULLEY PITCH Ø PULLEY WIDTH PULLEY MATERIAL TRAVEL PER REV *Z AXIS SYSTEM MASS NEEL	X-AXIS BASE VALUE (T=250mm) 0.237kg(+0.013kg/25mm) 0.184kg(+0.006kg/25mm) 47.75 (1.88") 28.9mm (1.14") STEEL 150mm DS TO BE ADDED TO THIS	Image: Strain	L x .0059) + 26.72 = kg TITLE: MACRON T-BOT 25 GANTRY SH: SCALE 1:1 SHEET SIZE C



OTOR DYNAMICS

(ASSUMES MOTORS ARE ROTATING AT SAME ANGULAR VELOCITY)



THIS DRAWING IS TH ANY REPRODUCTIO MANUFACTURING, (RELEASE OF DRAWING CONSTITUTE LICEN CONTAINED HEREIN



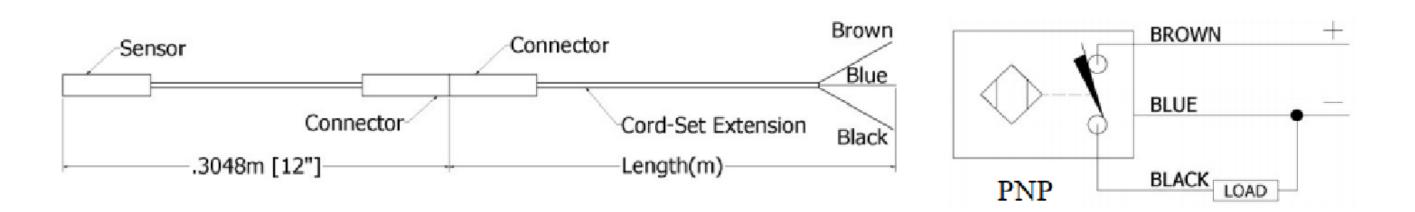
ROTATIONAL	Z-AXIS MOVEMENT		
PULLEY A	PULLEY B		
CW	CW	LEFT	
CW	CCW	UP	
CCW	CW	DOWN	
CCW	CCW	RIGHT	

	drawn by: JA	DATE: 4/24/2019	MATERIAL:		TITLE:	
	CHECKED BY:	DATE: DD/MM/YYYY				
	last saved by: TH	DATE: 3/23/2021				
MACRON	UNLESS OTHERWISE SPEC		FINISH:			
DYNAMICS INC	DIMENSIONS ARE IN MILLIME TOLERANCES UNLESS NO OTHERWISE:	ANG ± 0°30'				
HE PROPERTY OF MACRON DYNAMICS. IONS SHALL BE FOR QUOTATION,	SURFACE FIN	IISH 🗳			SCALE 1:1	SHEET SIZE C
OR PURCHASING PURPOSES ONLY. GS TO OTHER CONCERNS DOES NOT		SHARP EDGES	SHEET	PART NUMBER		REV
NSING IN ANY WAY. INFORMATION	DIMENSIONAL LIMITS A	APPLY AFTER FINISHING	5 OF 6	MGS-T	BG-25-X-	X-X
IS FROMETART AND CONFIDENTIAL	THIRD ANGLE	E PROJECTION			20 Z0 X	

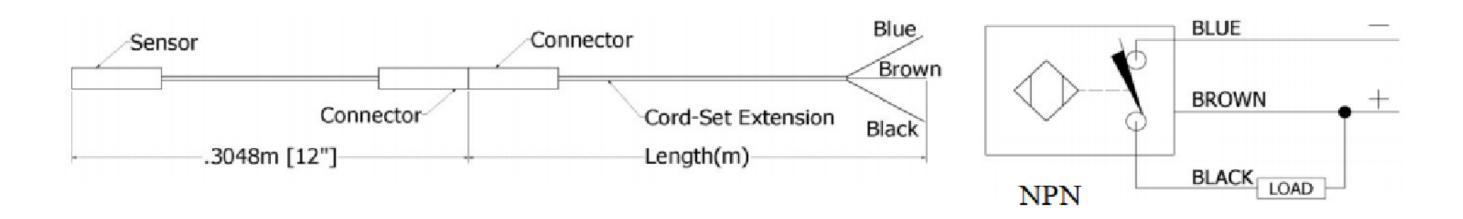
SPECIFICATIONS

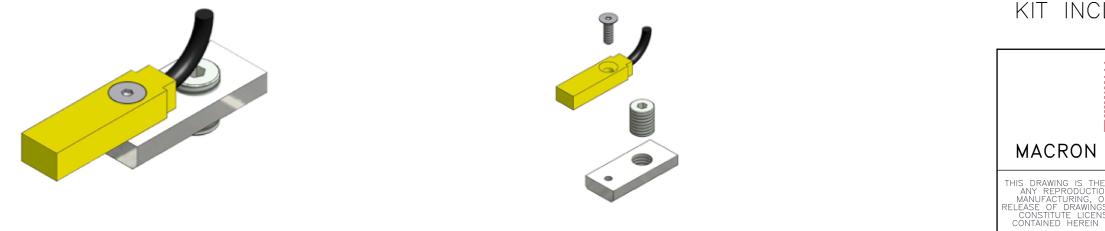
Sensor Type	Inductive		
Sensor Size	Fits all 8mm		
	wide T-Slots		
Operating Voltage	10-30 VDC		
Voltage Drop Across Conducting Sensor	≤1.8 V at 100 mA		
Number of Conductors (AWG)	3x26 AWG		
Temperature Range	-40°C to 105°C		

PNP Diagrams



NPN Diagrams





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

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: 3/23/2021			KIT	
MACRON	UNLESS OTHERWISE SPEC	.X ± .762	FINISH:			
N DYNAMICS INC	DIMENSIONS ARE IN MILLIME TOLERANCES UNLESS NO OTHERWISE:	LIERS.				
S THE PROPERTY OF MACRON DYNAMICS.	SURFACE FIN	ISH 53			SCALE 1:1	SHEET SIZE C
		SHARP EDGES PPLY AFTER FINISHING	sheet 6 OF 6	PART NUMBER		REV
REIN IS PROPRIETARY AND CONFIDENTIAL	THIRD ANGLE	PROJECTION				