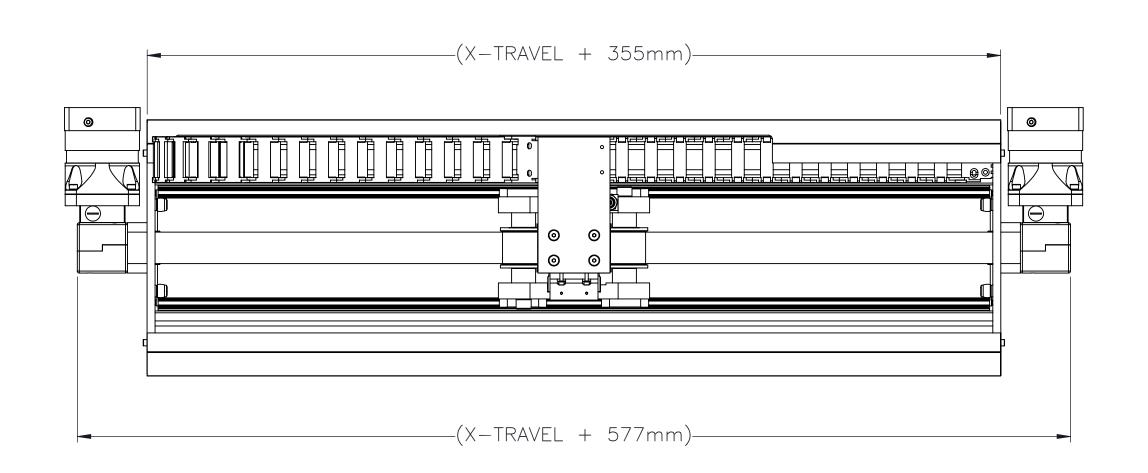


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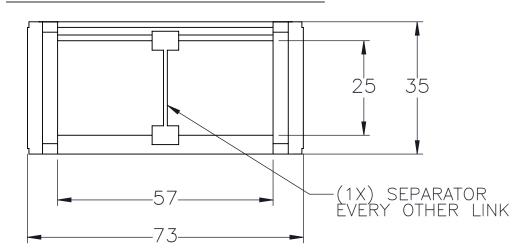
	MACHON	
MACRON	DYNAMICS	IN
	PROPERTY OF MACRON	

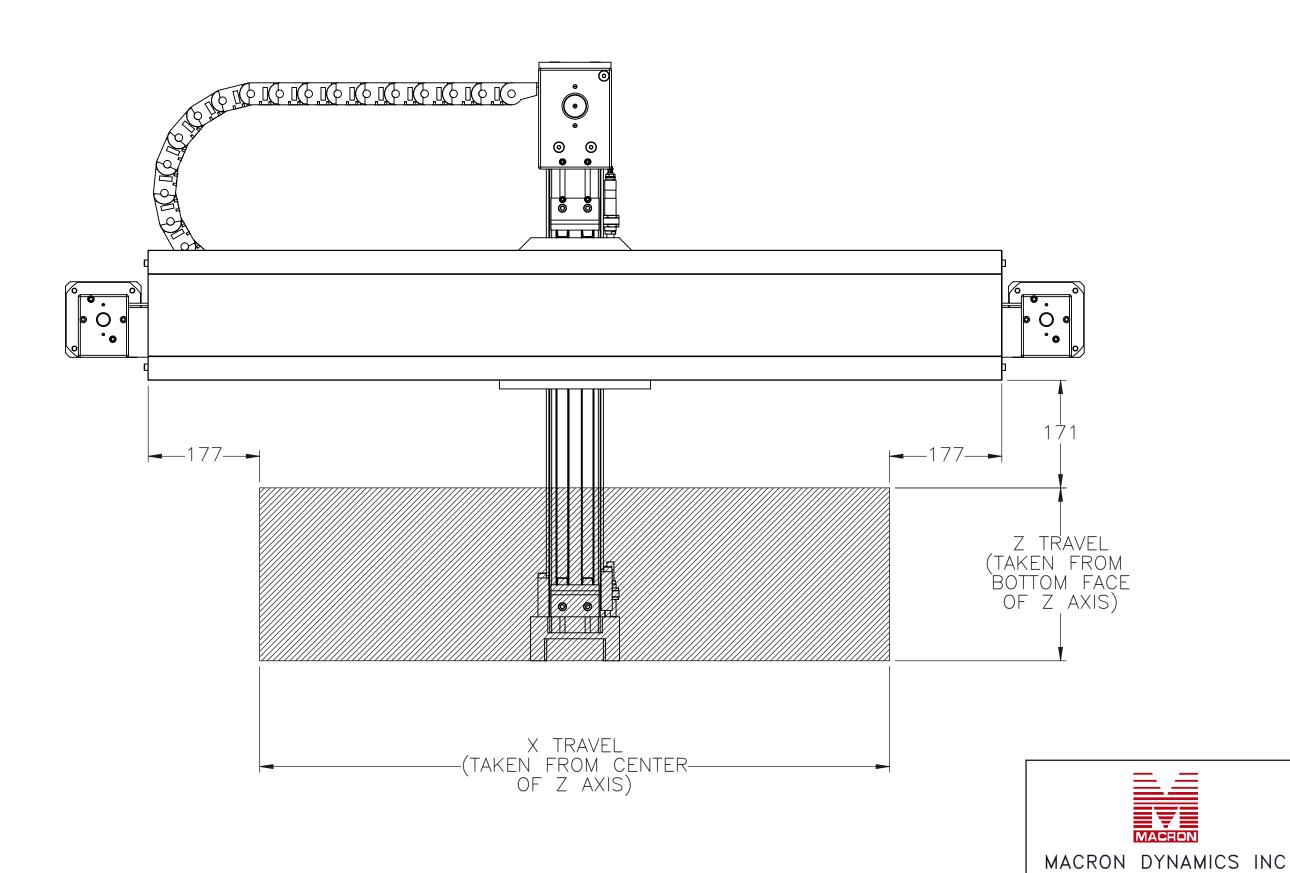
DRAWN BY: TH	DATE: 8/14/2019	MATERIAL:			TITLE:		
CHECKED BY: ——	DATE: 8/14/2019						
last saved by: Tim	DATE: 8/16/2021				MACRON	TBG	50
UNLESS OTHERWISE SPEC DIMENSIONS ARE IN MILLIM TOLERANCES UNLESS NO OTHERWISE:	ETERSXX = .234	FINISH:			GANTRY		
SURFACE FIN	IISH √ ⁶³ /				SCALE 1:1	SHEET	SIZE C
BREAK ALL S DIMENSIONAL LIMITS A	APPLY AFTER FINISHING	SHEET OF	20	PART NUMBER MGS-7	「BG−50−X−	-X-X	REV 1
THIRD ANGLE	E PROJECTION						•

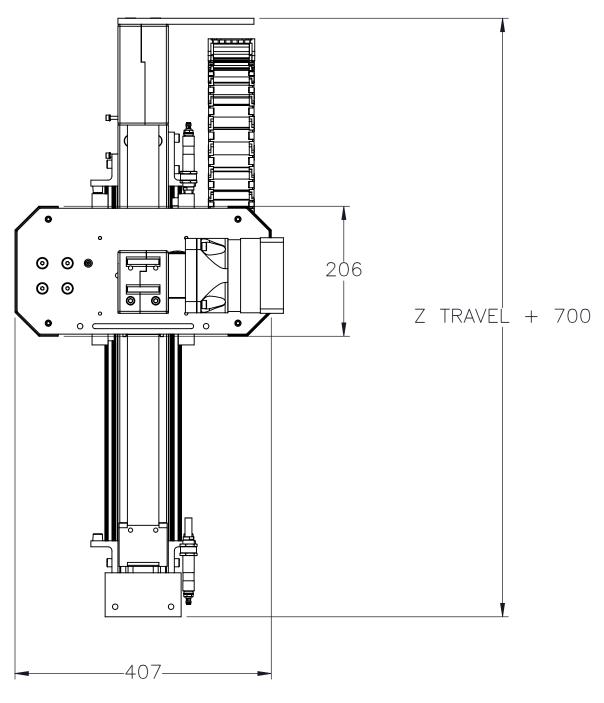


GANTRY FOOTPRINT



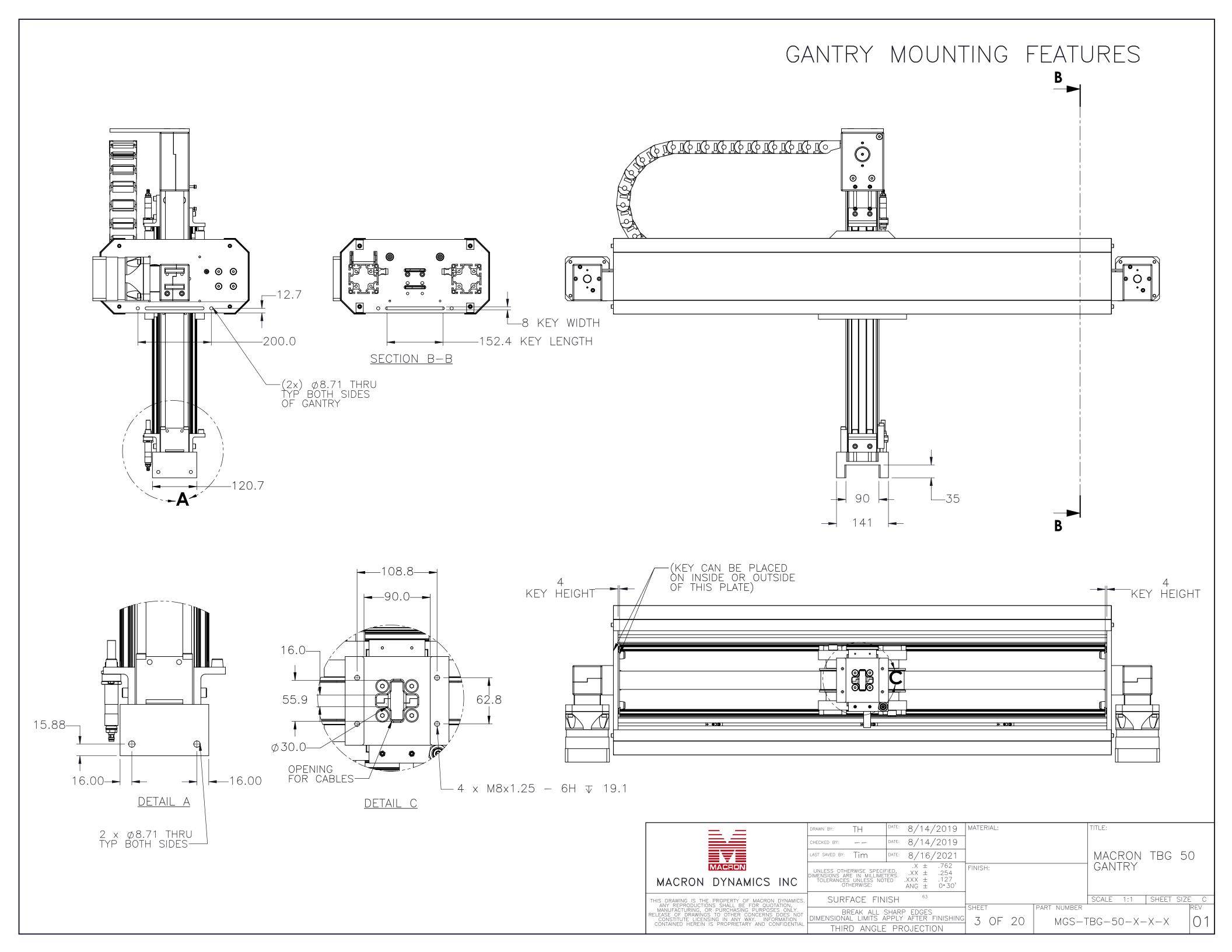






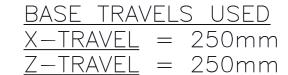
= <i>=</i>	DRAWN BY: TH	DATE: 8/14/2019	MATERIAL:		TITLE:	
=	CHECKED BY: ——	DATE: 8/14/2019				
	last saved by: Tim	DATE: 8/16/2021			MACRON	TBG 50
MACHON	UNLESS OTHERWISE SPECI	.X ± .762	FINISH:		GANTRY	
MACRON DYNAMICS INC	UNLESS OTHERWISE SPECI DIMENSIONS ARE IN MILLIME TOLERANCES UNLESS NO OTHERWISE:	TED .XXX ± .127 ANG ± 0°30'				
THIS DRAWING IS THE PROPERTY OF MACRON DYNAMICS.	SURFACE FIN	IISH ⁶³			SCALE 1:1	SHEET SIZE
MANY 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	DIMENSIONAL LIMITS A	SHARP EDGES APPLY AFTER FINISHING	SHEET 2 OF 20	PART NUMBER MGS-1	ГВG-50-X-	-X-X
Sommer Therear is the file of	I THIRD ANGLE	F PROJECTION				

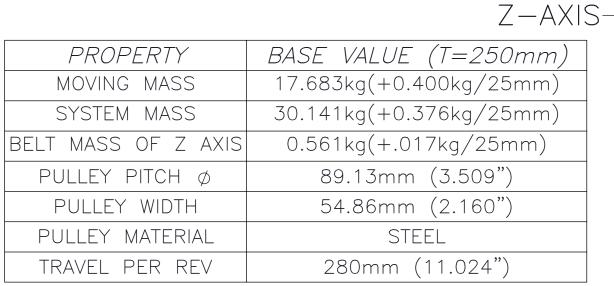
THIRD ANGLE PROJECTION



R SIZING INFORMATI

(INCREMENTAL ADDERS REFER TO MASS PER TRAVEL LENGTH)





g/25mm) g/25mm) /25mm)	250mm)				1,91,34	
g/25mm) /25mm) 509") 160")	j/25mm)				191,9	
/25mm) 509") 160")	j/25mm)					
509") 160")						
024")						7
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	24")					0
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			000			
	(0)					
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V	\	A VIC /				
$X-AXIS$ $X-TRAVEL = \underline{mm}$		-HVI2	X-TRAVEL	_ =	mm	

PROPERTY	BASE VALUE (T=250mm)
*MOVING MASS	0.225kg(+0.0225kg/25mm)
BELT MASS OF X AXIS	0.450kg(+.017kg/25mm)
PULLEY PITCH Ø	48.13mm (1.895")
PULLEY WIDTH	53.95mm (2.124")
PULLEY MATERIAL	STEEL
TRAVEL PER REV	150mm (5.906")

^{*}Z-AXIS SYSTEM MASS NEEDS TO BE ADDED TO THIS

Y-TRAVEL = mm

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

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

TOTAL BELT MASS	(X TRAVEL x .00068) + (Z TRAVEL x .00068) + .70 = kg
TOTAL SYSTEM MASS	(X TRAVEL x .0235) + (Z TRAVEL x .0161) + 45.52 = kg



MACRON DYNAMICS INC

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CHECKED BY:		DATE:	8/14	/2019	
LAST SAVED BY:	JA	DATE:	8/16	/2021	
	RWISE SPECIF E IN MILLIMET UNLESS NOT HERWISE:	ERŚ.	.X ± .XX ± .XXX ± ANG ±		FINISH:
SURF	ACE FIN	ISH	63		
DD) EDCE		SHEET

THIRD ANGLE PROJECTION

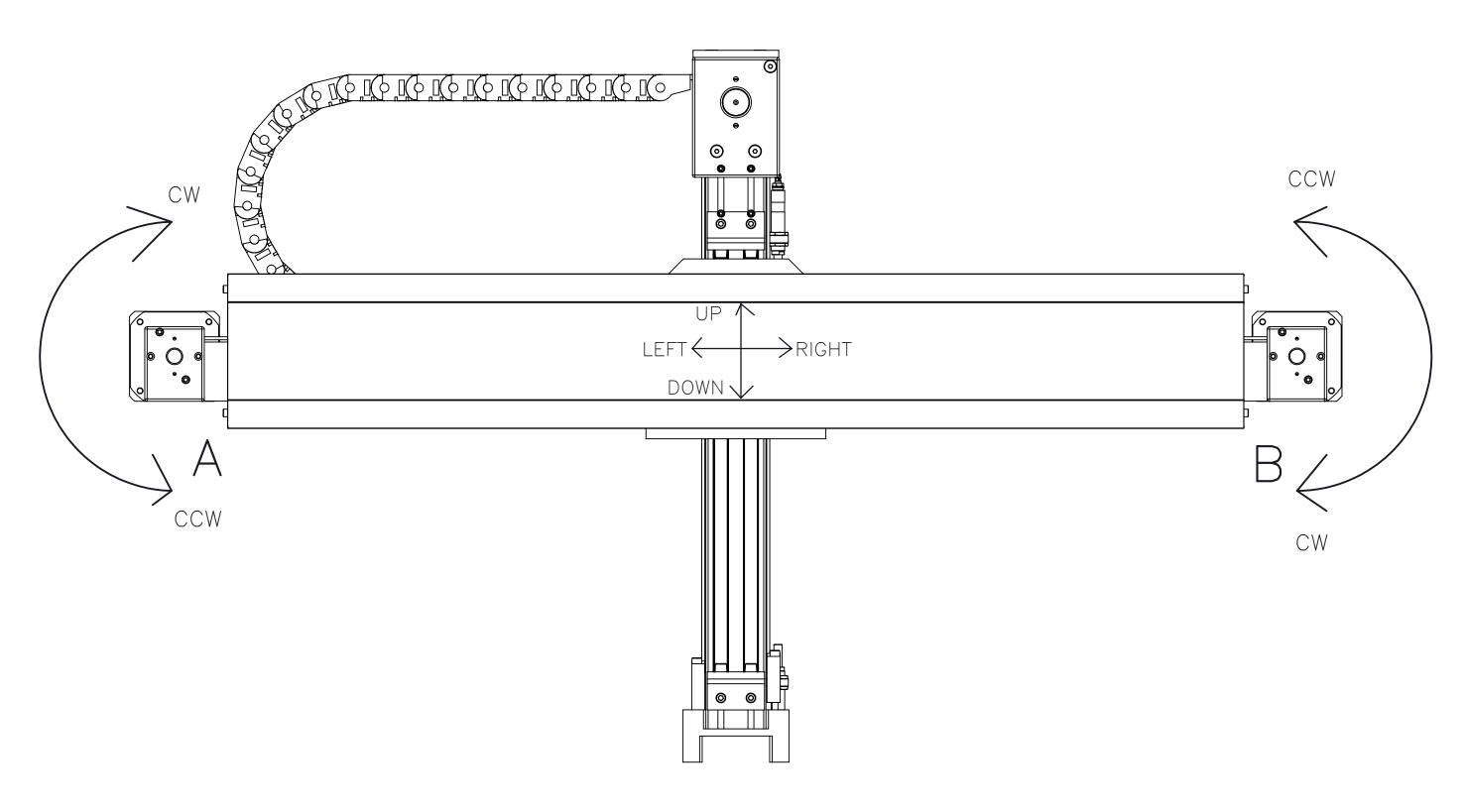
MACRON TBG 50 GANTRY

SCALE 1:1 SHEET SIZE C BREAK ALL SHARP EDGES
DIMENSIONAL LIMITS APPLY AFTER FINISHING 4 OF 20

MGS-TBG-50-X-X-X

MOTOR DYNAMICS

(ASSUMES MOTORS ARE ROTATING AT SAME ANGULAR VELOCITY)



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

PULLEY ROTATION AND Z-AXIS MOVEMENT ARE WITH RESPECT TO THE THIS GANTRY VIEW

	DRAWN BY: TH	DATE: 8/14/2019	MATERIAL:		TITLE:	
	CHECKED BY: — —	DATE: 8/14/2019				
	last saved by: Tim	DATE: 8/16/2021			MACRON	TBG 50
MACRON DYNAMICS INC	UNLESS OTHERWISE SPEC DIMENSIONS ARE IN MILLIM TOLERANCES UNLESS N OTHERWISE:	FTFRS. ·^^234	FINISH:		GANTRY	
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CONTAINED HEREIN IS PROPRIETARY AND CONFIDENTIAL	THIRD ANGL	E PROJECTION		10100 1	DO 30 A	^ / 0

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

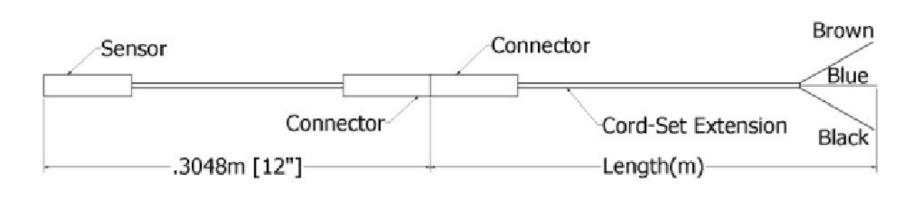
Part Number Configuration

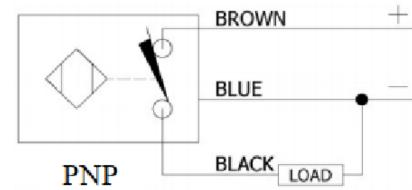
244-_ _ _-_ _

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

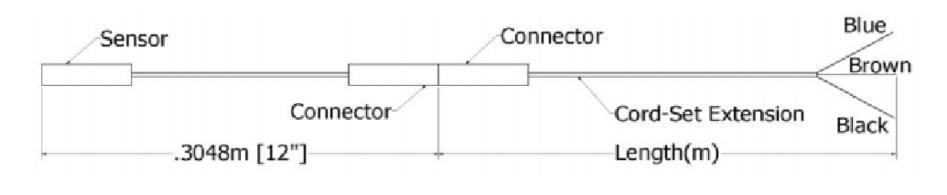
Example: PNP, normally closed, cord-set extension length 6 meters = 244-PNP-NC-06

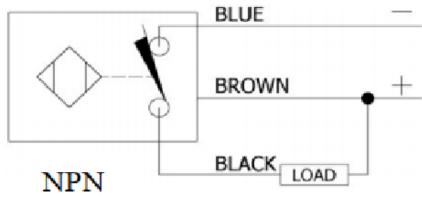
PNP Diagrams

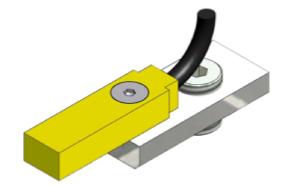


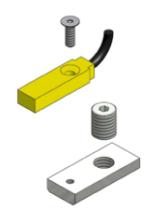


NPN Diagrams









KIT INCLUDES - SENSOR, CORDSET EXTENSION, AND MOUNTING HARDWARE

= <i>=</i>	DRAWN BY: PHW	DATE: 11/26/2017	MATERIAL:		TITLE:	
=	CHECKED BY: — —	DATE: 2/11/2016			T-SLOT	SENSOR
	LAST SAVED BY: Paul	DATE: 8/16/2021			KIT	
MACRON	UNLESS DIHERWISE SPECIFIED, VV + 254		FINISH:			
MACRON DYNAMICS INC	DIMENSIONS ARE IN MILLIME TOLERANCES UNLESS NO OTHERWISE:	LIERS.				
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MANUFACTURING, OR PURCHASING PURPOSES ONLY. RELEASE OF DRAWINGS TO OTHER CONCERNS DOES NOT CONSTITUTE LICENSING IN ANY WAY. INFORMATION	BREAK ALL S DIMENSIONAL LIMITS A	SHARP EDGES PPLY AFTER FINISHING	SHEET 6 OF 20	PART NUMBER		REV
CONTAINED HEREIN IS PROPRIETARY AND CONFIDENTIAL	THIRD ANGLE	PROJECTION				