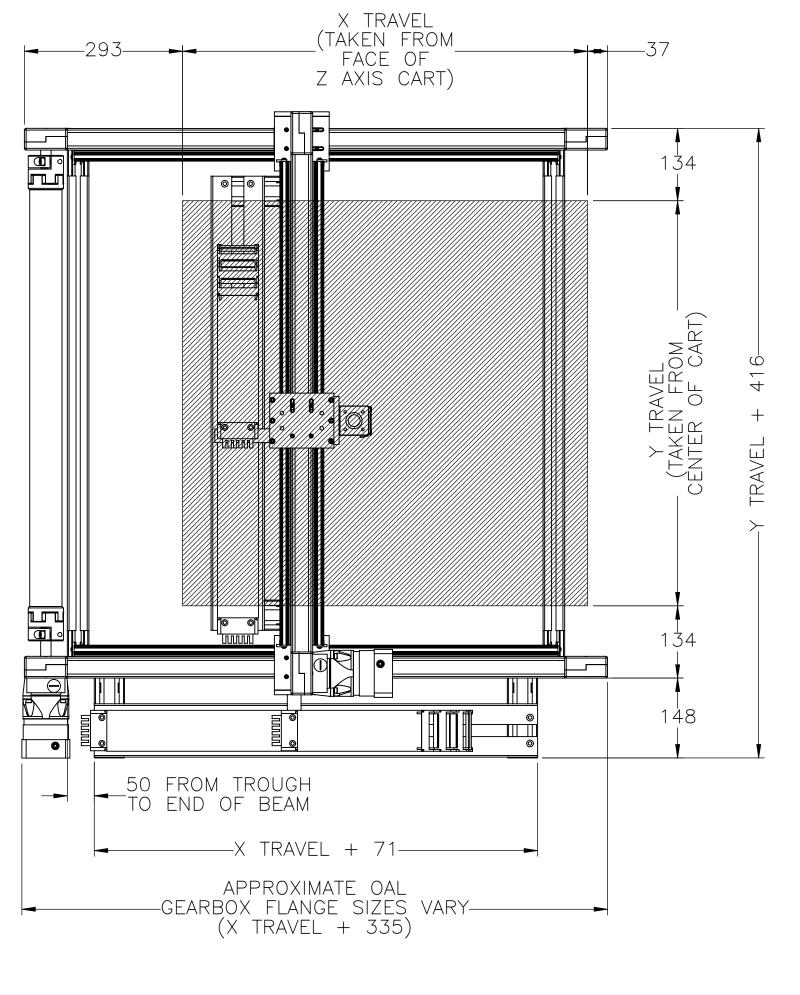
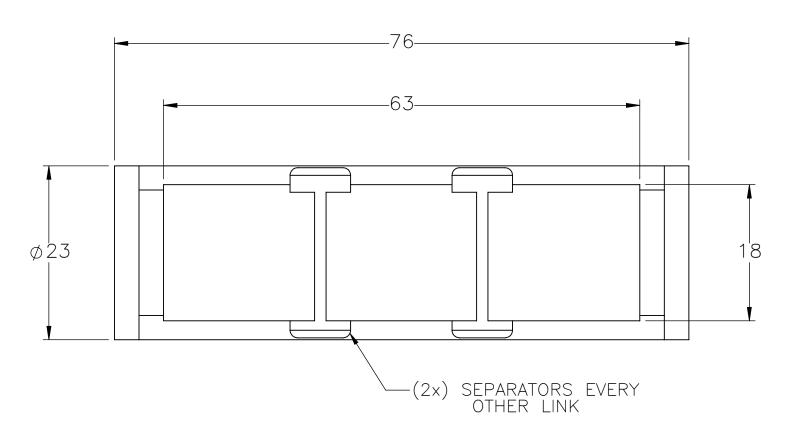
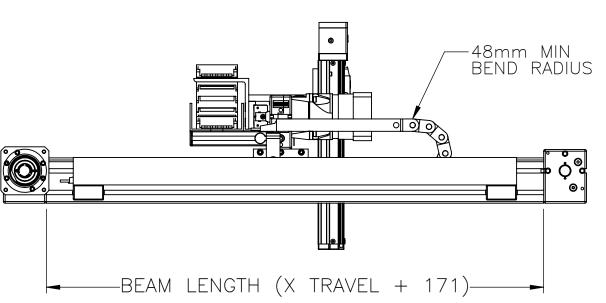
GEARBOX MODEL (X AXIS) MPG-064MPG-084 MRG-064MRG-084	R6S		
RATIO:		TRAVEL	Z-AXIS TRAVEL IN INCREMENTS OF 100mm LIMITS: 100mm-400mm
GEARBOX MODEL (Y AXIS) MPG-064MPG-084 MRG-064MRG-084 RATIO:		ENTER TRAVEL TRAVEL	Y-AXIS TRAVEL IN INCREMENTS OF 25mm LIMITS: 150mm-2500mm
FOR DIRECT—DRIVE OPTION WITH MMKs		TRAVEL	X-AXIS TRAVEL IN INCREMENTS OF 25mm LIMITS: 150mm-5825mm
(NO GEARBOXES) CHECK HERE:			*IF TRAVEL IS OUTSIDE LIMITS
MOTOR INFORMATION (X AXIS) MANUFACTURER: MODEL: MOTOR INFORMATION (Y AXIS)	48mm MIN BEND RADIUS— Y AXIS—	X' AXIS	LISTED, CONTACT MACRON*
MANUFACTURER: MODEL: MOTOR INFORMATION (Z AXIS) MANUFACTURER:		REMOVA *MUST TO ACH	BLE SHIPPING BEAM BE REMOVED FOR SYSTEM IEVE FULL TRAVEL
MODEL:(*Z AXIS IS DIRECT-DRIVEN)			X AXIS
SENSOR INFORMATION X-AXIS: HOME-QTY 244 EOT-QTY 244 SENSOR INFORMATION Y-AXIS: HOME-QTY 244	REMOVABLE SHIP	PING BEAM	
EOT-QTY244 SENSOR INFORMATION Z-AXIS: HOME-QTY244 EOT-QTY244	80Nm RATED TORQUE TUBE		48mm MIN BEND RADIUS
(SEE T-SLOT SENSOR KIT SHEET FOR PART NUMBER CONFIGURATION)			V—MPG−084 GEARBOX
		—MPG-084 GEARBOX	
APPROVED:		DRAWN BY: PHW DATE: 11/26/2017 MATERIAL:	TITLE:
DATE:		CHECKED BY: —— DATE: DD/MM/YYYY LAST SAVED BY: Tim DATE: 10/28/2021	MACRON R6S XYZ GANTRY
PO:REFERENCE#:	MACRON D	DYNAMICS INC DIMENSIONS ARE IN MILLIMETERSXX ± .254 TOLERANCES UNLESS NOTED .XXX ± .127 OTHERWISE: ANG ± 0.30	SCALE 1:1 SHEET SIZE
	ANY REPRODUCTIONS MANUFACTURING, OR F RELEASE OF DRAWINGS TO CONSTITUTE LICENSING CONTAINED HEREIN IS F	ROPERTY OF MACRON DYNAMICS. SHALL BE FOR QUOTATION, PURCHASING PURPOSES ONLY. O OTHER CONCERNS DOES NOT SIN ANY WAY. INFORMATION PROPRIETARY AND CONFIDENTIAL SURFACE FINISH BREAK ALL SHARP EDGES DIMENSIONAL LIMITS APPLY AFTER FINISHING THIRD ANGLE PROJECTION SHEET SHEET THIRD ANGLE PROJECTION	6 MCS-R6S-X-X-SX

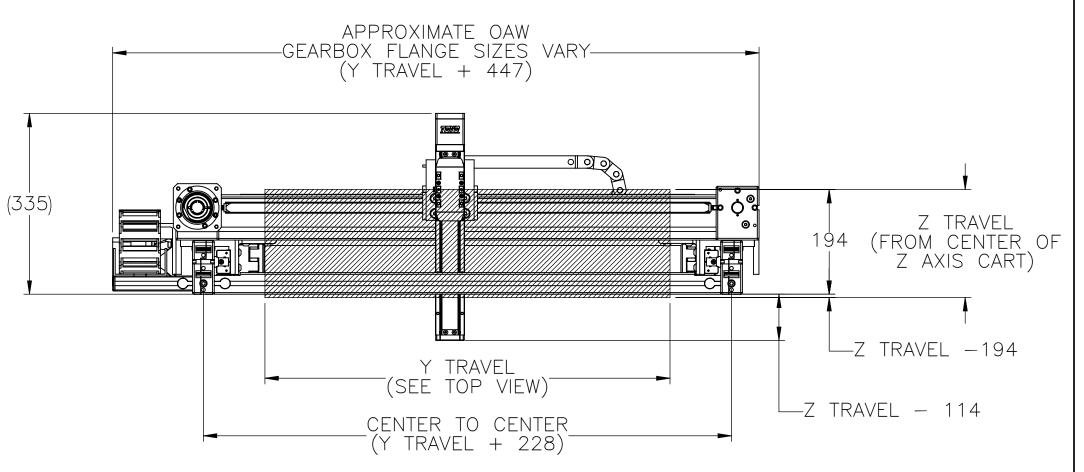


WORK ENVELOPE AND GANTRY FOOTPRINT



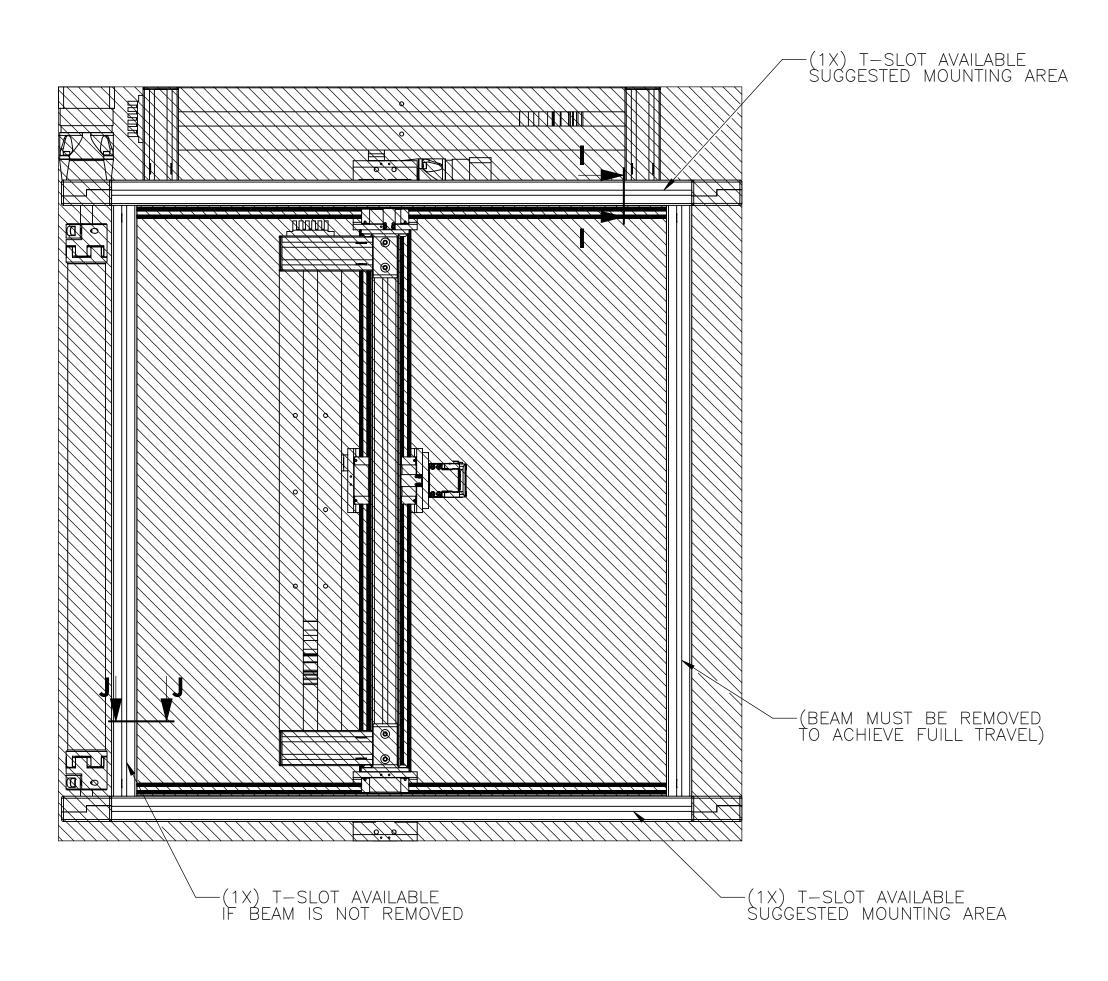
CABLE TRACK CROSS SECTION (SAME FOR BOTH AXES)

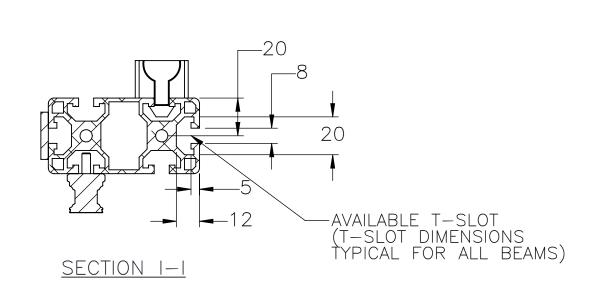


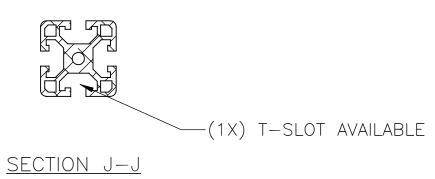


	DRAWN BY: PHW	DATE: 11/26/2017	MATERIAL:		TITLE:	
	CHECKED BY: — —	DATE: DD/MM/YYYY			MACRON	R6S XYZ
	last saved by: Tim	DATE: 10/28/2021			[GAI	VTRY
MACHON	UNLESS OTHERWISE SPECIF	.X ± .03 FIED, .XX ± .010	FINISH:			
MACRON DYNAMICS INC	DIMENSIONS ARE IN INCHE TOLERANCES UNLESS NOT OTHERWISE:	15.				
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 APPLY AFTER FINISHING	SHEET 2 OF 6	PART NUMBER MCS-	-R6S-X-X-	REV -SX
CONTAINED HEREIN IS PROPRIETARY AND CONFIDENTIAL	THIRD ANGLE	PROJECTION		10100	1100 // //	

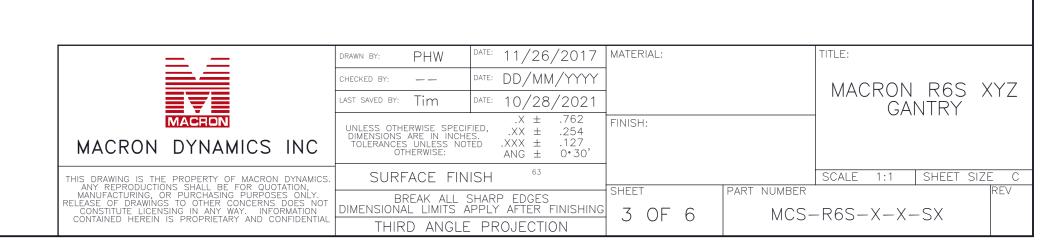
GANTRY MOUNTING FEATURES







BOTTOM VIEW



REVISION HISTORY REV. DESCRIPTION DATE REVISED BY:

GTH5-L --BC-M10B-

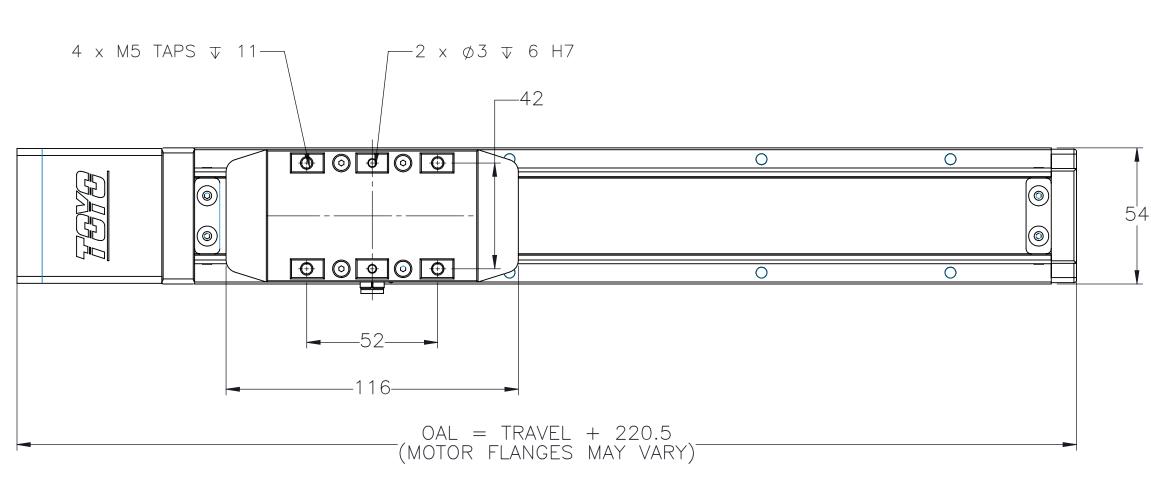
C3 = 1 HOME, 1 LIMIT SENSOR C4 = 1 HOME, 2 LIMIT SENSOR E5 = NO SENSORS SENSOR CODE

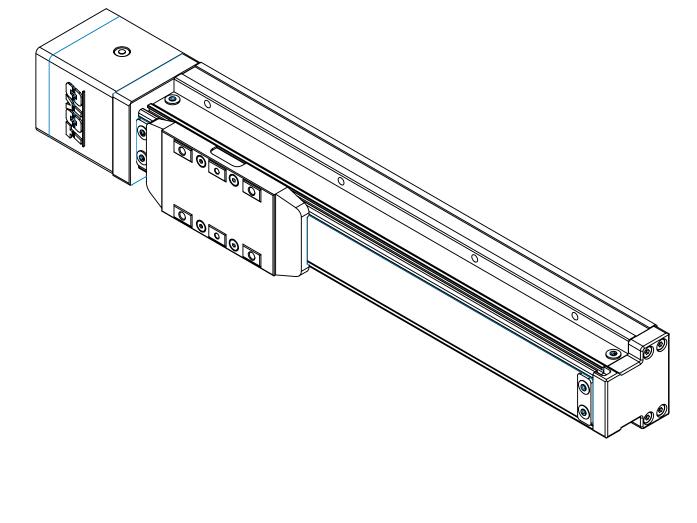
MOTOR CODE

MOTOR POSITION UP

STROKE/TRAVEL (100mm, 200mm, 300mm, 400mm)

BALL SCREW LEAD (5mm, 10mm, 20mm)





MOTOR INFORMATION (Z-AXIS)

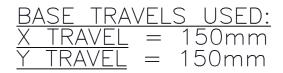
MANUFACTURER:_____MODEL:____

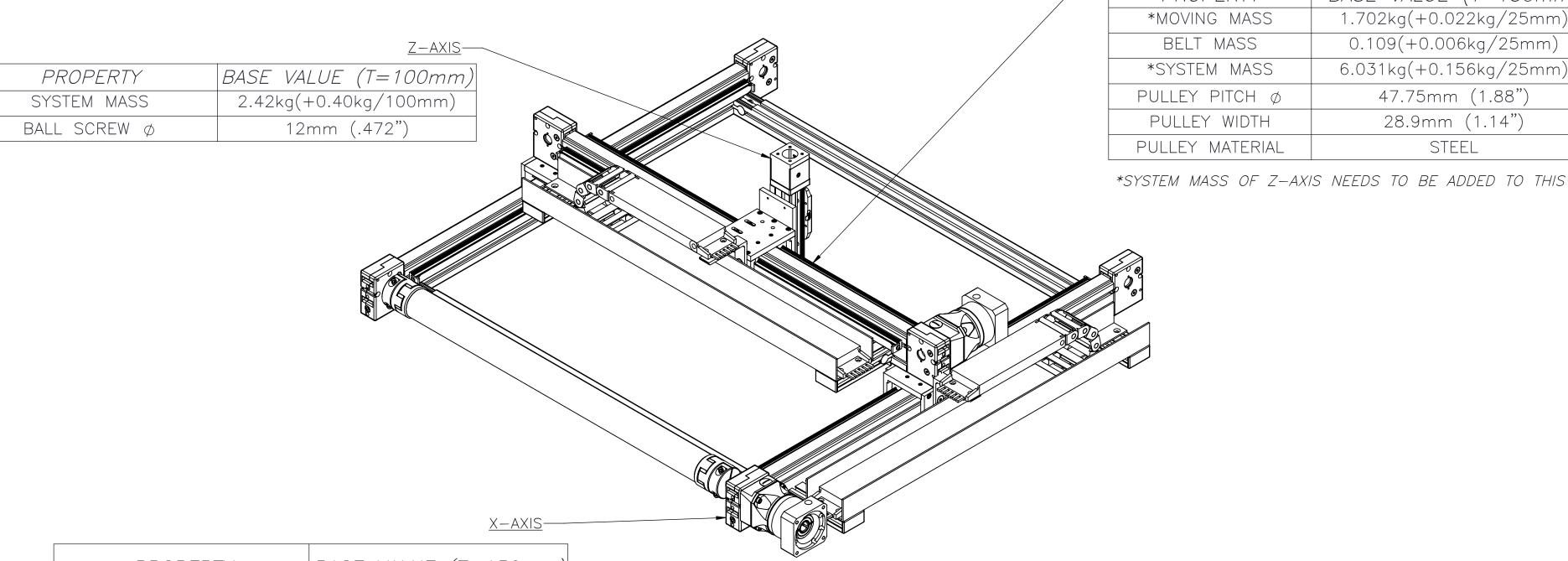
	MACHON	
MACRON	DYNAMICS	INC

	_ <i>_</i>	DRAWN BY: JA	DATE: 6/27/2014	MATERIAL:		TITLE:	
	=	CHECKED BY: ——	DATE: DD/MM/YYYY				
		LAST SAVED BY: TH	DATE: 10/28/2021			SCREW TABLE	
	MACHON	UNLESS OTHERWISE SPECI		FINISH:		SELECTION SHE	ET
	MACRON DYNAMICS INC	DIMENSIONS ARE IN MILLIME TOLERANCES UNLESS NO OTHERWISE:	TERSXXX ± .127 ANG ± 0°30'				
İ	THIS DRAWING IS THE PROPERTY OF MACRON DYNAMICS.	SURFACE FIN	ISH 63				E C
	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	BREAK ALL S DIMENSIONAL LIMITS A	SHARP EDGES PPLY AFTER FINISHING		PART NUMBER SI	CREW TABLE	REV
	CONTAINED HEREIN IS PROPRIETARY AND CONFIDENTIAL	THIRD ANGLE	PROJECTION				

MOTOR SIZING WORKSHEET

(INCREMENTAL ADDERS REFER TO MASS PER TRAVEL LENGTH)





PROPERTY	BASE VALUE (T=150mm)
**MOVING MASS	2.861(+0.028kg/25mm)
BELT MASS	0.218(0.012kg/25mm)
PULLEY PITCH Ø	47.75mm (1.88")
PULLEY WIDTH	28.9mm (1.14")
PULLEY MATERIAL	STEEL
***TORQUE TUBE LENGTH	299mm
TORQUE TUBE Ø	60mm
***TORQUE TUBE MASS	1.311(+0.036kg/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

X	TRAVEL	=	mm
Y	TRAVEL	=	mm

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

GEARBOX	MPG-064	1.0kg
MASS (ADD TO SYSTEM	MPG-084	2.3kg
TO SYŜTEM MASSES)	MRG-064	3.0kg
1017 (3323)	MRG-084	5.6kg

BASE VALUE (T=150mm)

1.702kg(+0.022kg/25mm)

0.109(+0.006kg/25mm)

6.031kg(+0.156kg/25mm)

47.75mm (1.88")

28.9mm (1.14")

STEEL

TOTAL SYSTEM $(X TRAVEL \times .0085) + (Y TRAVEL \times .0093) + (Z TRAVEL \times .004) + 16.88 =$ MASS

MACRON

MACRON DYNAMICS INC

DATE: 11/26/2017 MATERIAL: DATE: DD/MM/YYYY AST SAVED BY: JA DATE: 10/28/2021 UNLESS OTHERWISE SPECIFIED, .XX ± .762
DIMENSIONS ARE IN MILLIMETER. .XX ± .254
TOLERANCES UNLESS NOTED .XXX ± .127
OTHERWISE: ANG ± 0°30' SURFACE FINISH

THIRD ANGLE PROJECTION

-Y-AXIS

PROPERTY

BELT MASS

MACRON R6S XYZ GANTRY

BREAK ALL SHARP EDGES

DIMENSIONAL LIMITS APPLY AFTER FINISHING

5 OF 6

SCALE 1:1 SHEET SIZE C

MCS-R6S-X-X-SX

^{***}BASE VALUE AT Y TRAVEL = 150mm

SPECIFICATIONS

Sensor Type	Inductive		
Sensor Size	Fits all 8mm		
Selisul 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		

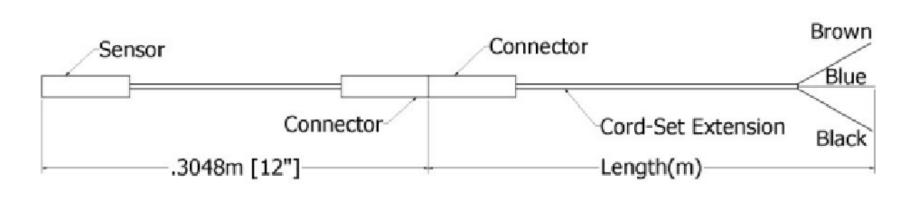
Part Number Configuration

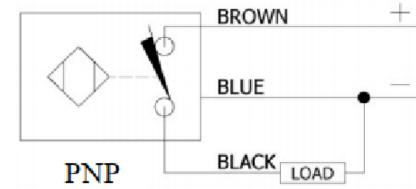
244-_ _ -_ _

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

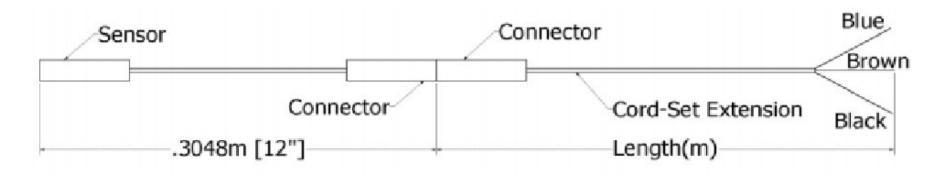
Example: PNP, normally closed, cord-set extension length 6 meters = 244-PNP-NC-06

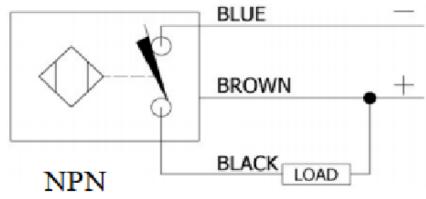
PNP Diagrams

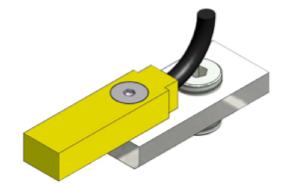


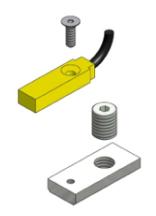


NPN Diagrams









KIT INCLUDES - SENSOR, CORDSET EXTENSION, AND MOUNTING HARDWARE

= <i>=</i>	DRAWN BY: PHW	DATE: 11/26/2017	MATERIAL:		TITLE:	
=	CHECKED BY: — —	DATE: DD/MM/YYYY			T-SLOT	SENSOR
	LAST SAVED BY: Paul	DATE: 10/28/2021			KIT	
MACHON	UNLESS OTHERWISE SPEC	$.X \pm .762$	FINISH:			
MACRON DYNAMICS INC	UNLESS OTHERWISE SPEC DIMENSIONS ARE IN MILLIM TOLERANCES UNLESS NO OTHERWISE:	OTED .XXX ± .127 ANG ± 0.30'				
THIS DRAWING IS THE PROPERTY OF MACRON DYNAMICS. ANY REPRODUCTIONS SHALL BE FOR QUOTATION, MANUFACTURING, OR PURCHASING PURPOSES ONLY.	SURFACE FIN	IISH 😽			SCALE 1:1	SHEET SIZE C
RELEASE OF DRAWINGS TO OTHER CONCERNS DOES NOT CONSTITUTE LICENSING IN ANY WAY. INFORMATION	BREAK ALL : DIMENSIONAL LIMITS A	SHARP EDGES APPLY AFTER FINISHING	SHEET 6 OF 6	PART NUMBER		REV
CONTAINED HEREIN IS PROPRIETARY AND CONFIDENTIAL	THIRD ANGLE	PROJECTION				