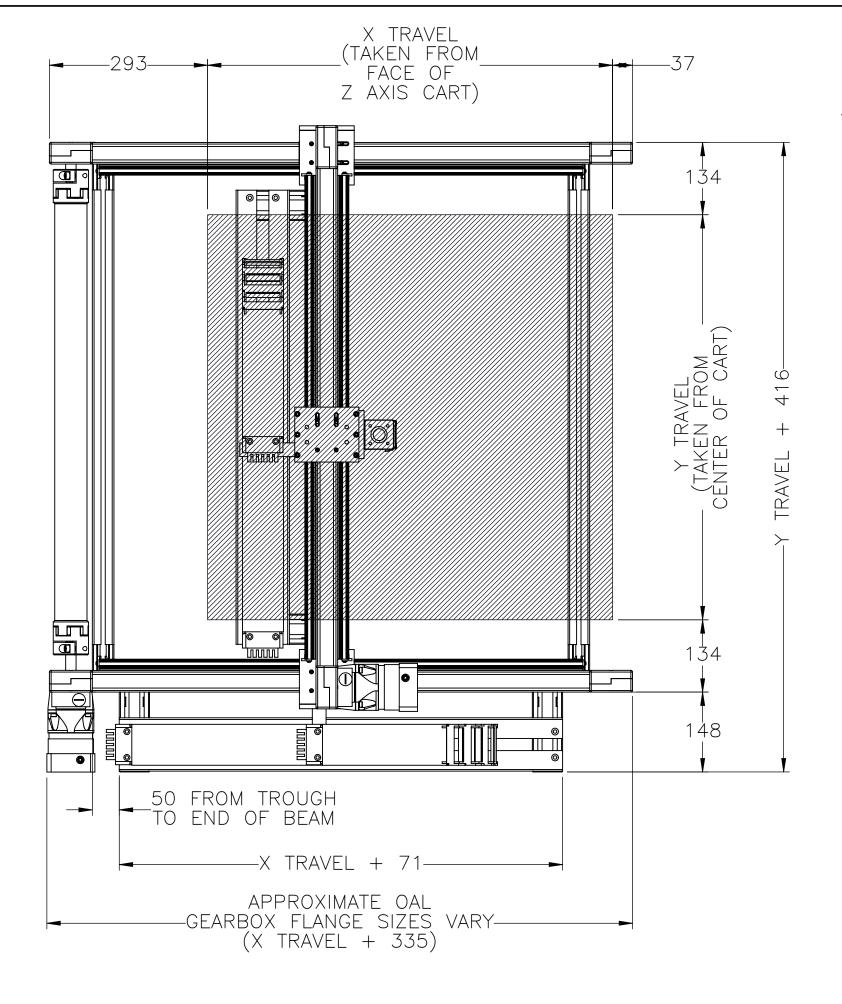
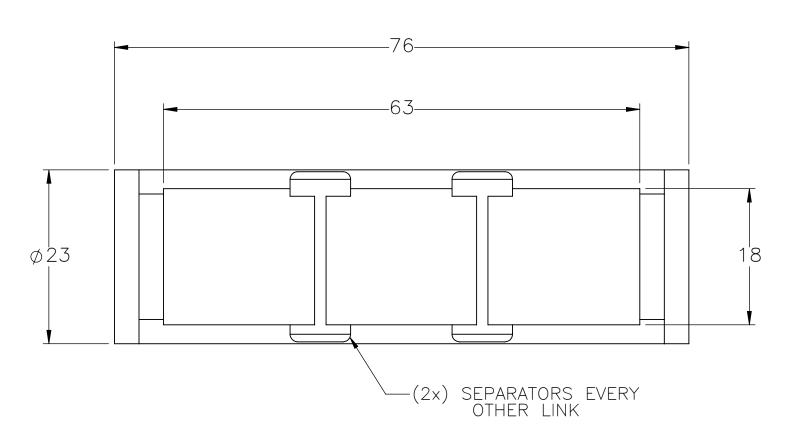
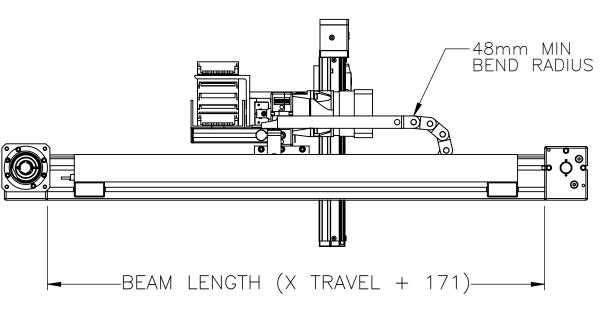
MRG-064MRG-084 MRG-064MRG-084 RATIO:	R6S-	-S	ENTER Z-AXIS TRAVEL TRAVEL IN INCREMENTS OF 100mm TRAVEL LIMITS: 100mm-400mm
GEARBOX MODEL (Y AXIS) MPG-064MPG-084 MRG-064MRG-084 RATIO:			ENTER Y-AXIS TRAVEL TRAVEL IN INCREMENTS OF 25mm TRAVEL LIMITS: 150mm-2500mm ENTER X-AXIS TRAVEL TRAVEL IN INCREMENTS OF 25mm
FOR DIRECT-DRIVE OPTION WITH MMKs (NO GEARBOXES) CHECK HERE:		X' AXIS	TRAVEL LIMITS: 150mm-5825mm *IF TRAVEL IS OUTSIDE LIMITS LISTED, CONTACT
MOTOR INFORMATION (X AXIS) MANUFACTURER: MODEL: MOTOR INFORMATION (Y AXIS) MANUFACTURER:	48mm MIN BEND RADIUS- Y AXIS-		DEMOVABLE SHIPPING DEAM
MODEL: MOTOR INFORMATION (Z AXIS) MANUFACTURER: MODEL: (*Z AXIS IS DIRECT—DRIVEN)			REMOVABLE SHIPPING BEAM *MUST BE REMOVED FOR SYSTEM TO ACHIEVE FULL TRAVEL —X AXIS
SENSOR INFORMATION X-AXIS: HOME-QTY 244 EOT-QTY 244 SENSOR INFORMATION Y-AXIS: HOME-QTY 244	REN	MOVABLE SHIPPING BEAM	
EOT-QTY 244 SENSOR INFORMATION Z-AXIS: HOME-QTY 244 EOT-QTY 244	80Nm RATED TORQUE TUBE—		48mm MIN BEND RADIUS
(SEE T-SLOT SENSOR KIT SHEET FOR PART NUMBER CONFIGURATION)			-WIFG-U04 GLANDUX
		MPG-	-084 GEARBOX
APPROVED: SIGN & PRINT DATE: PO:REFERENCE#:	Sold & Serviced By: ELECTROMATE Toll Free Phone (877) SERV098 www.electromate.com	MACRON DYNAMICS INC CHECKED BY: —— LAST SAVED BY: Tim DATE: UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. TOLERANCES UNLESS NOTED OTHERWISE:	11/26/2017 MATERIAL: DD/MM/YYYY 10/28/2021 .X ± .762 .XX ± .254 .XXX ± .127 ANG ± 0°30' TITLE: MACRON R6S XYZ GANTRY
	sales@electromate.com	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 THIRD ANGLE PR	

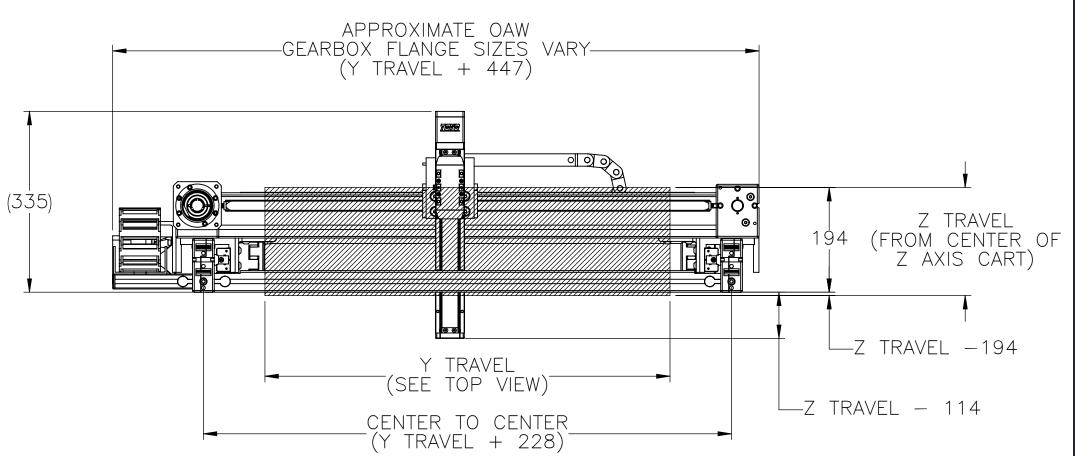


WORK ENVELOPE AND GANTRY FOOTPRINT



CABLE TRACK CROSS SECTION (SAME FOR BOTH AXES)





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ELECTROMATE

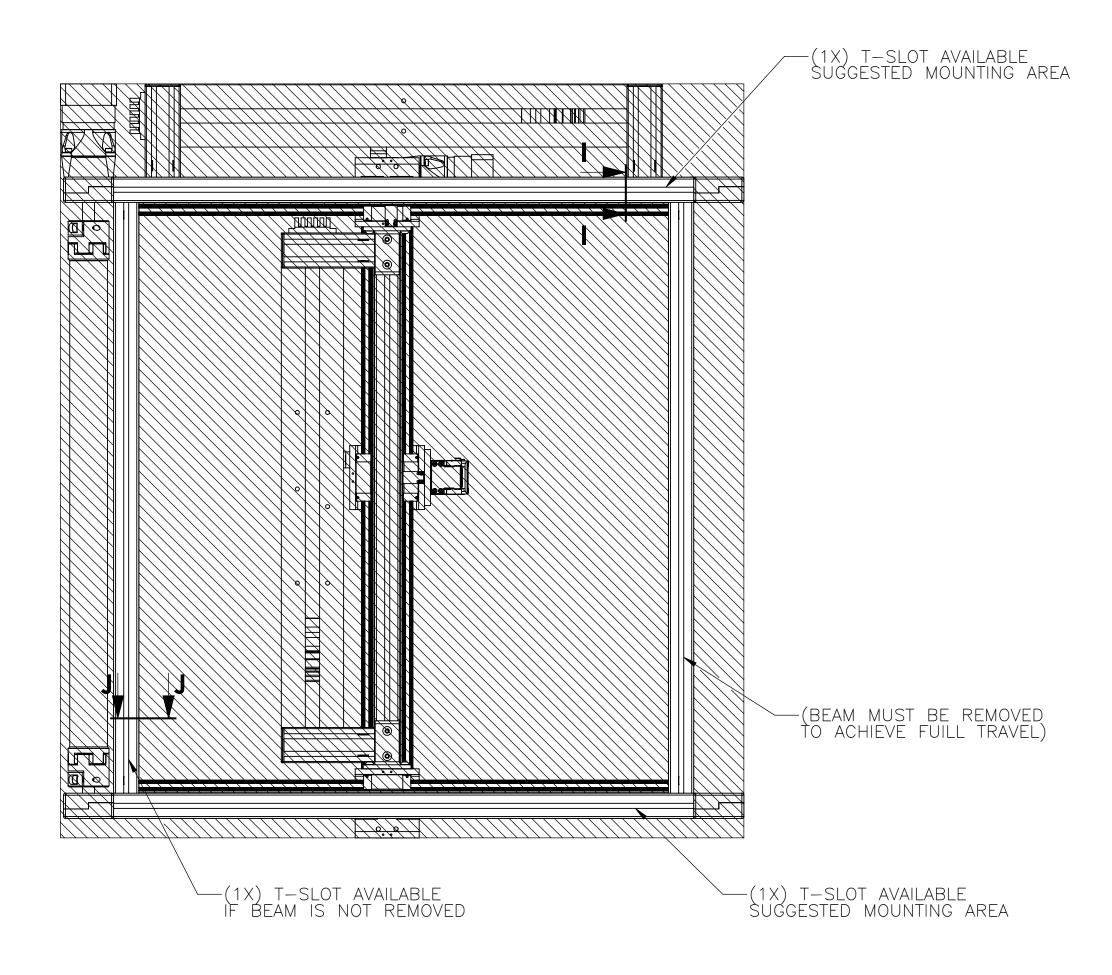
Toll Free Phone (877) SERV098

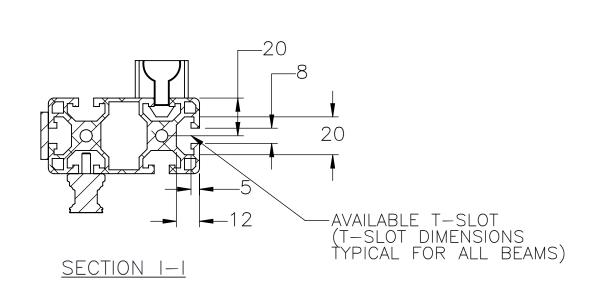
www.electromate.com

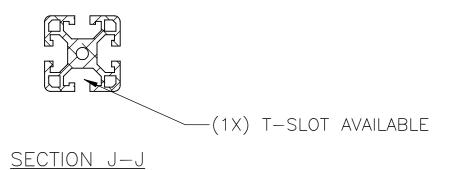
sales@electromate.com

= <i>=</i>	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	NTRY
MACHON	UNLESS OTHERWISE SPECIF DIMENSIONS ARE IN INCHE	.X ± .03 FIED, .XX ± .010	FINISH:			
MACRON DYNAMICS INC	TOLERANCES UNLESS NO OTHERWISE:	TED .XXX ± .005 ANG ± 0.30				
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		PART NUMBER	-R6S-X-X-	REV -SX
CONTAINED HEREIN IS PROPRIETARY AND CONFIDENTIAL	THIRD ANGLE	PROJECTION		10103	1100 // //	

GANTRY MOUNTING FEATURES







BOTTOM VIEW

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Toll Free Phone (877) SERV098 www.electromate.com sales@electromate.com



	DRAWN BY:	PHW	DATE:	11/2	26/	/2017	MATER	RIAL:				TITLE:				
	CHECKED BY:		DATE:	DD/N	ИМ,	/YYYY						NAAC	CRON	D69	·	V 7
	LAST SAVED BY:	Tim	DATE:	10/2	28/	/2021						IVIAC		VTRY) ^	1 _
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S.	SURF	ACE FIN	ISH	63	3							SCALE	1:1	SHEET	SIZE	С
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REVISION HISTORY

REV. DESCRIPTION DATE REVISED BY:

GTH5-L - BC-M10B-

Z-AXIS SCREW TABLE SELECTION

SEI MO MO STE

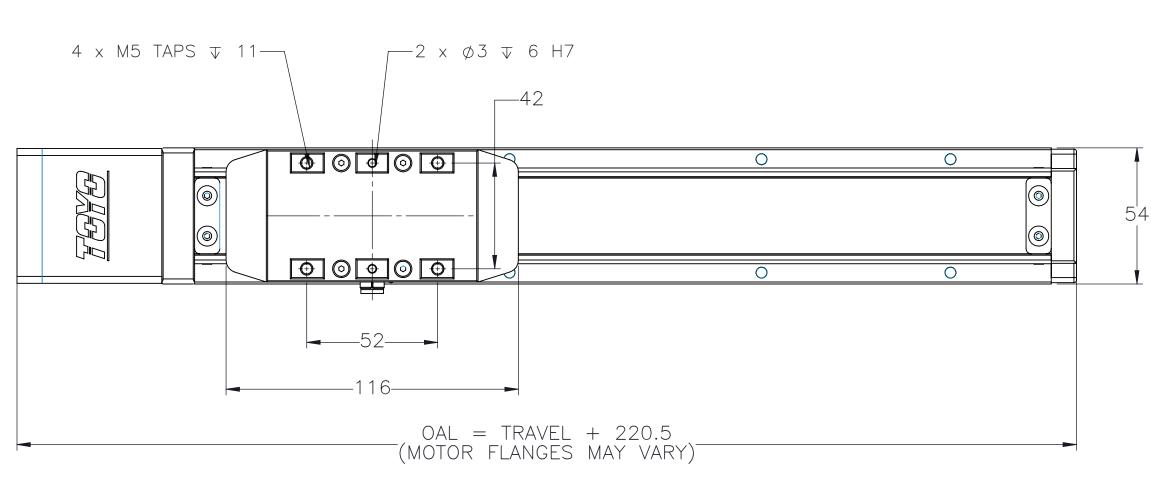
SENSOR CODE C3 = 1 HOME, 1 LIMIT SENSOR C4 = 1 HOME, 2 LIMIT SENSOR E5 = NO SENSORS

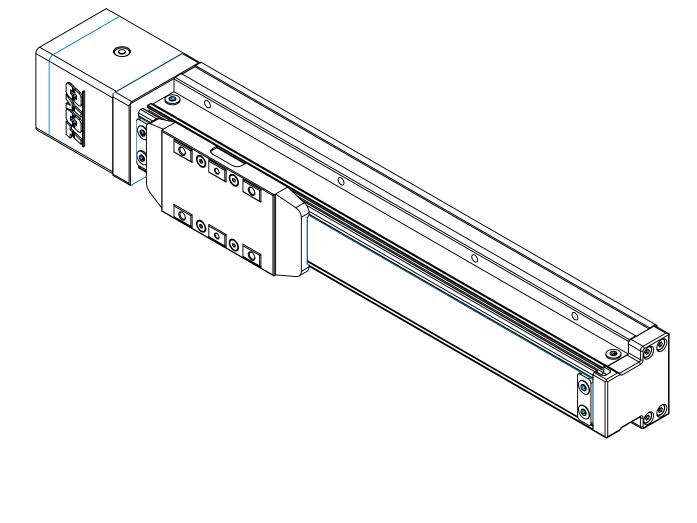
MOTOR CODE

MOTOR POSITION UP

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

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





MOTOR INFORMATION (Z-AXIS)

MANUFACTURER:_____ MODEL:____ Sold & Serviced By:

ELECTROMATE

Toll Free Phone (877) SERV098

www.electromate.com

sales@electromate.com

	MACRON	
MACRON	DYNAMICS	INC
, (31(31)	2	

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ROPERTY OF MACRON DYNAMICS. SHALL BE FOR QUOTATION.	SURFACE FINISH \$\sqrt{63}\rightarrow\$	
PURCHASING PURPOSES ONLY. O OTHER CONCERNS DOES NOT IN ANY WAY. INFORMATION	BREAK ALL SHARP EDGES DIMENSIONAL LIMITS APPLY AFTER FIN	IIS
PROPRIETARY AND CONFIDENTIAL	THIRD ANGLE PROJECTION	1

drawn by: JA	DATE:	6/27/	2014	MATERIAL:		TITLE:		
CHECKED BY: ——	DATE:	DD/MM	/YYYY					
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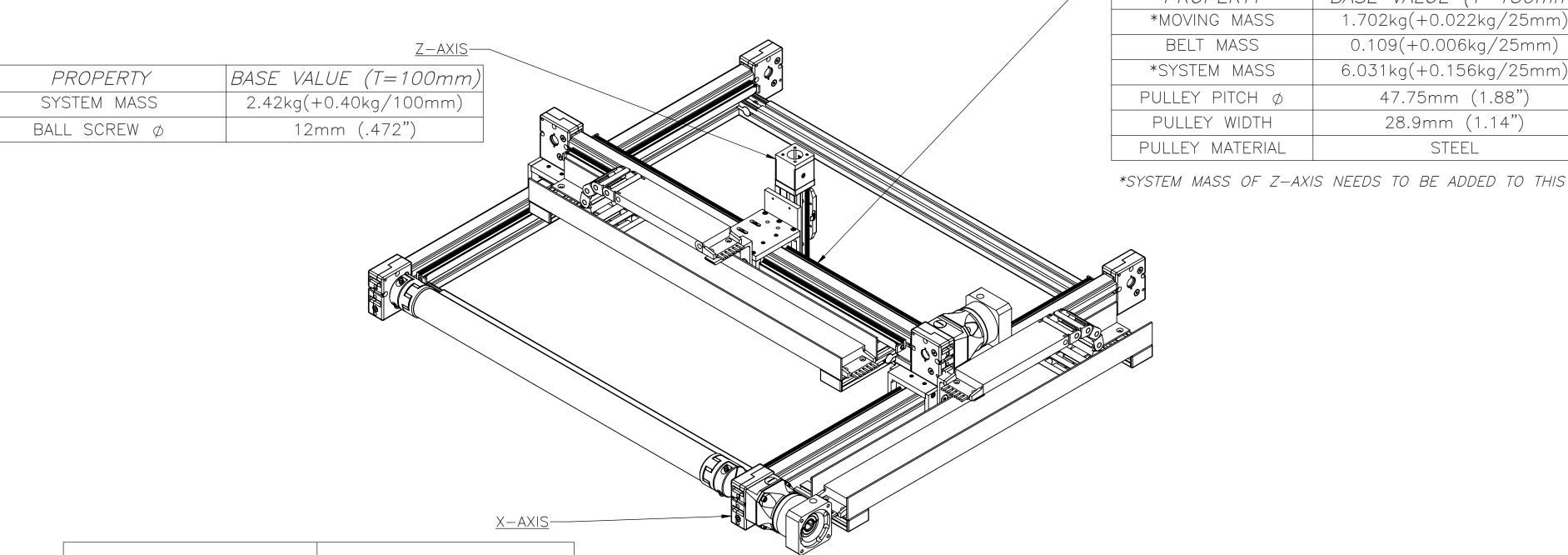
4 OF 6

SCREW TABLE

MOTOR SIZING WORKSHEET

(INCREMENTAL ADDERS REFER TO MASS PER TRAVEL LENGTH)





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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

***BASE VALUE AT Y TRAVEL = 150mm

X TRAVEL =Y TRAVEL = ____

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 SYSTEM 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

MACRON

TOTAL SYSTEM

MASS

MACRON DYNAMICS INC

11/26/2017 MATERIAL: PHW DATE: DD/MM/YYYY AST SAVED BY: JA DATE: 10/28/2021 .X ± .762 .XX ± .254 .XXX ± .127 ANG ± 0°30' SURFACE FINISH

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

MACRON R6S XYZ GANTRY

BREAK ALL SHARP EDGES

DIMENSIONAL LIMITS APPLY AFTER FINISHING

5 OF 6 THIRD ANGLE PROJECTION

-Y-AXIS

PROPERTY

BELT MASS

SCALE 1:1 SHEET SIZE C MCS-R6S-X-X-SX

SPECIFICATIONS

Sensor Type	Inductive
Concor Cizo	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

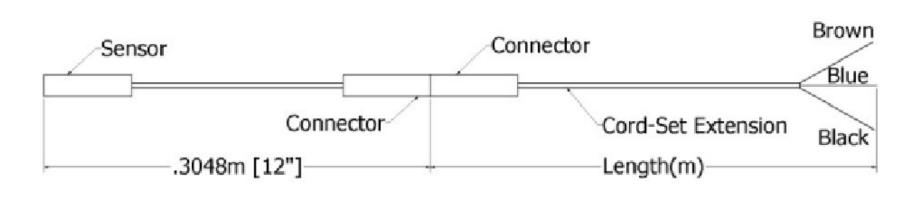
Part Number Configuration

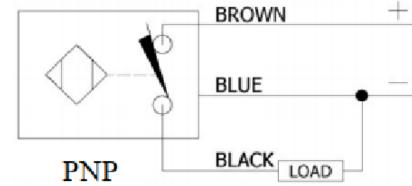
244-_ _ -_ _

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

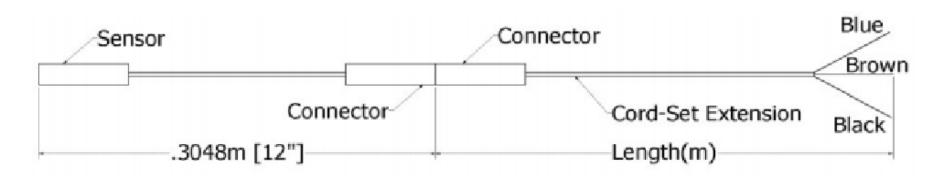
Example: PNP, normally closed, cord-set extension length 6 meters = 244-PNP-NC-06

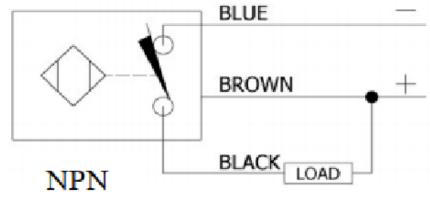
PNP Diagrams

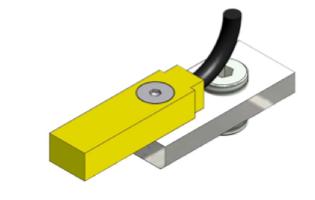




NPN Diagrams









KIT INCLUDES - SENSOR, CORDSET EXTENSION, AND MOUNTING HARDWARE

