

GEARBOX MODEL

MPG-064 MPG-084
 MRG-064 MRG-084
 RATIO:

MDS-R6S- - - X

CENTER TO CENTER DISTANCE (mm)
 CENTER TO CENTER IN INCREMENTS OF 25mm
 LIMITS: 500mm-2950mm

ENTER X-AXIS TRAVEL
 TRAVEL IN INCREMENTS OF 25mm
 TRAVEL LIMITS: 150mm-5575mm

IF TRAVEL IS OUTSIDE LIMITS LISTED, CONTACT MACRON

FOR DIRECT DRIVE OPTION WITH MMK (NO GEARBOX) CHECK HERE:

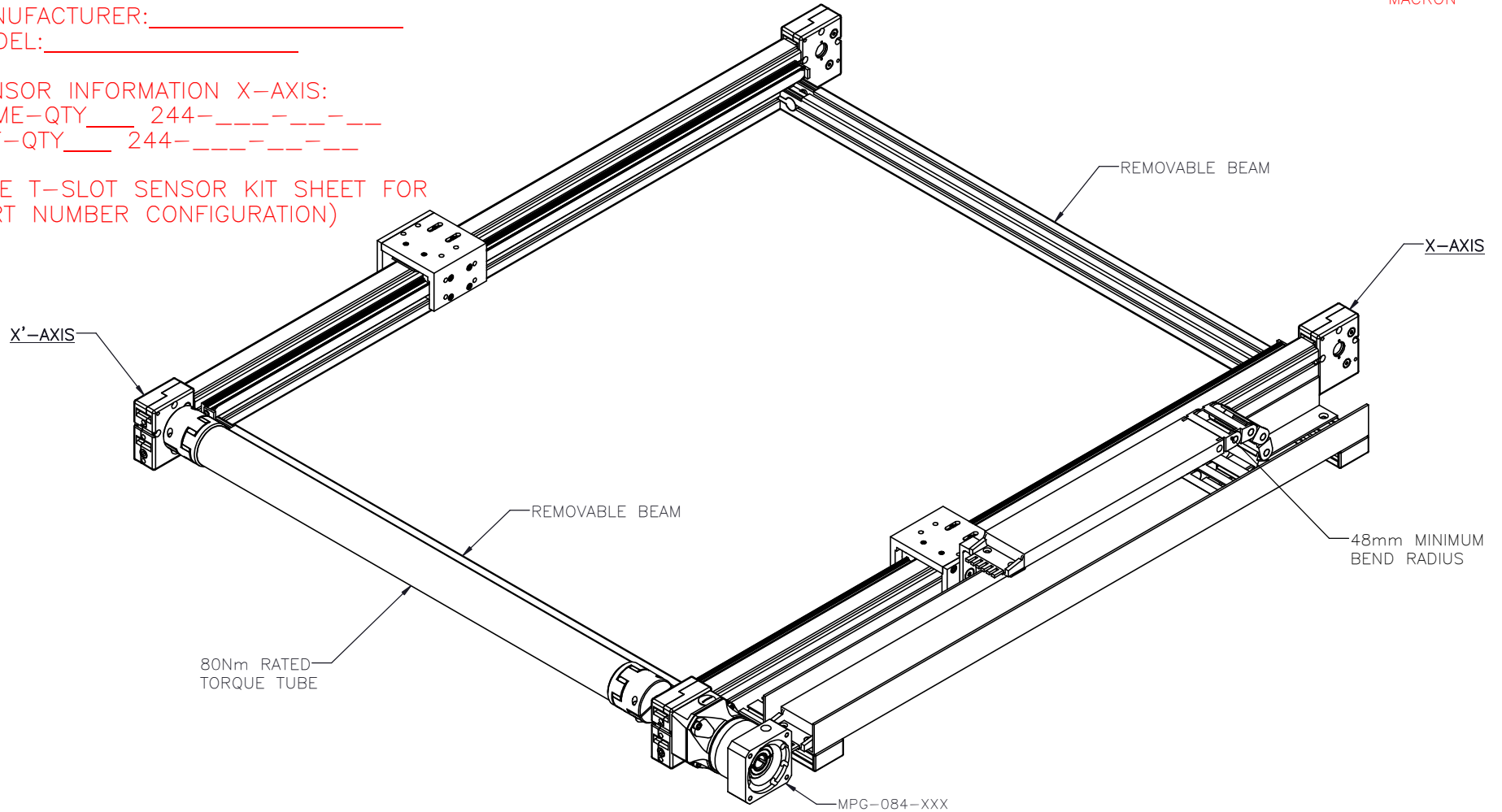
MOTOR INFORMATION

MANUFACTURER:
 MODEL:

SENSOR INFORMATION X-AXIS:

HOME-QTY 244- - - - -
 EOT-QTY 244- - - - -


(SEE T-SLOT SENSOR KIT SHEET FOR PART NUMBER CONFIGURATION)



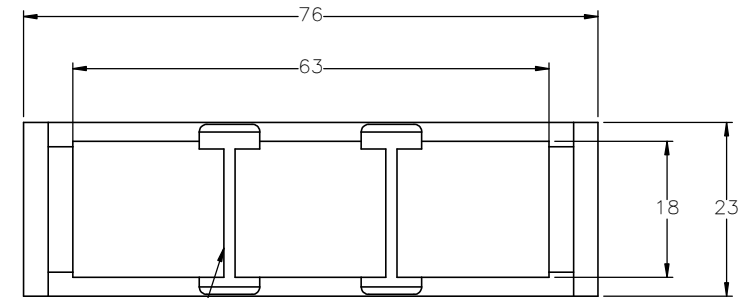
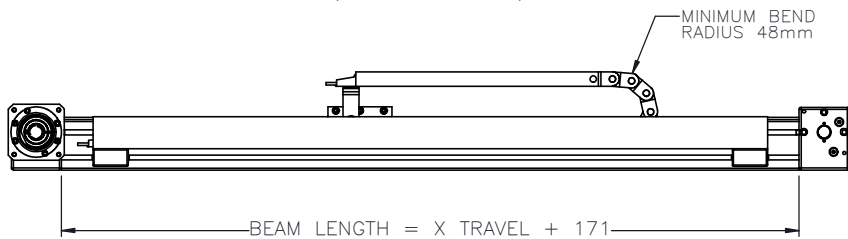
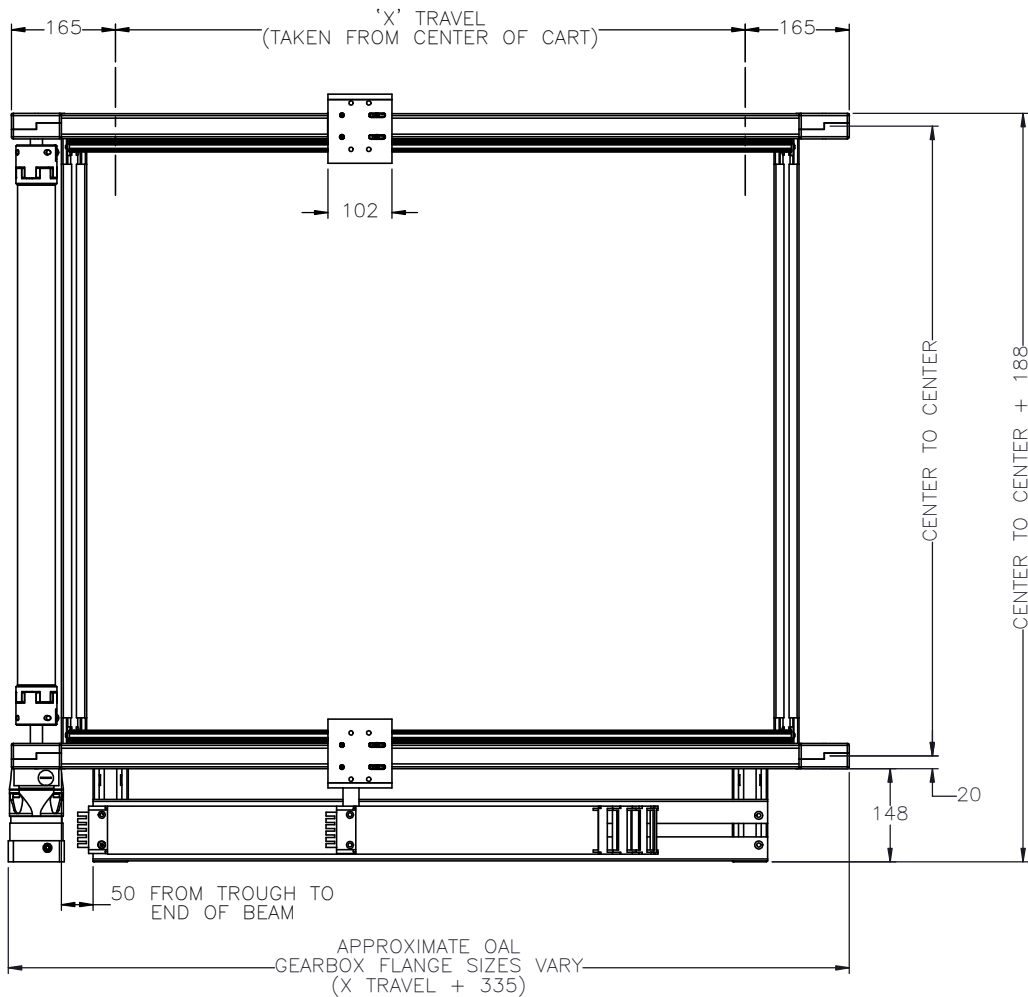
APPROVED: SIGN & PRINT

DATE:

PO:REFERENCE#:

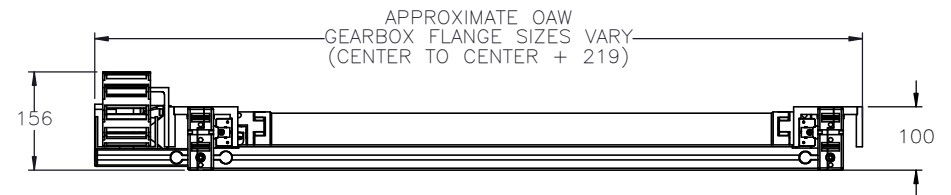
 MACRON DYNAMICS INC	DRAWN BY: PHW DATE: 11/26/2017	MATERIAL:	TITLE: MACRON R6S DUAL SYSTEM
	CHECKED BY: DATE: DD/MM/YYYY	FINISH:	
	LAST SAVED BY: Paul DATE: 8/25/2020	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETER TOLERANCES UNLESS NOTED: .XX ± .254 .XXX ± .127 OTHERWISE: ANG ± 0°30'	
SURFACE FINISH <input checked="" type="checkbox"/>		SHEET: 1 OF 6 PART NUMBER: MDS-R6S-X-X-X	SCALE: 1:1 SHEET SIZE: C
<small>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.</small>			


GANTRY FOOTPRINT



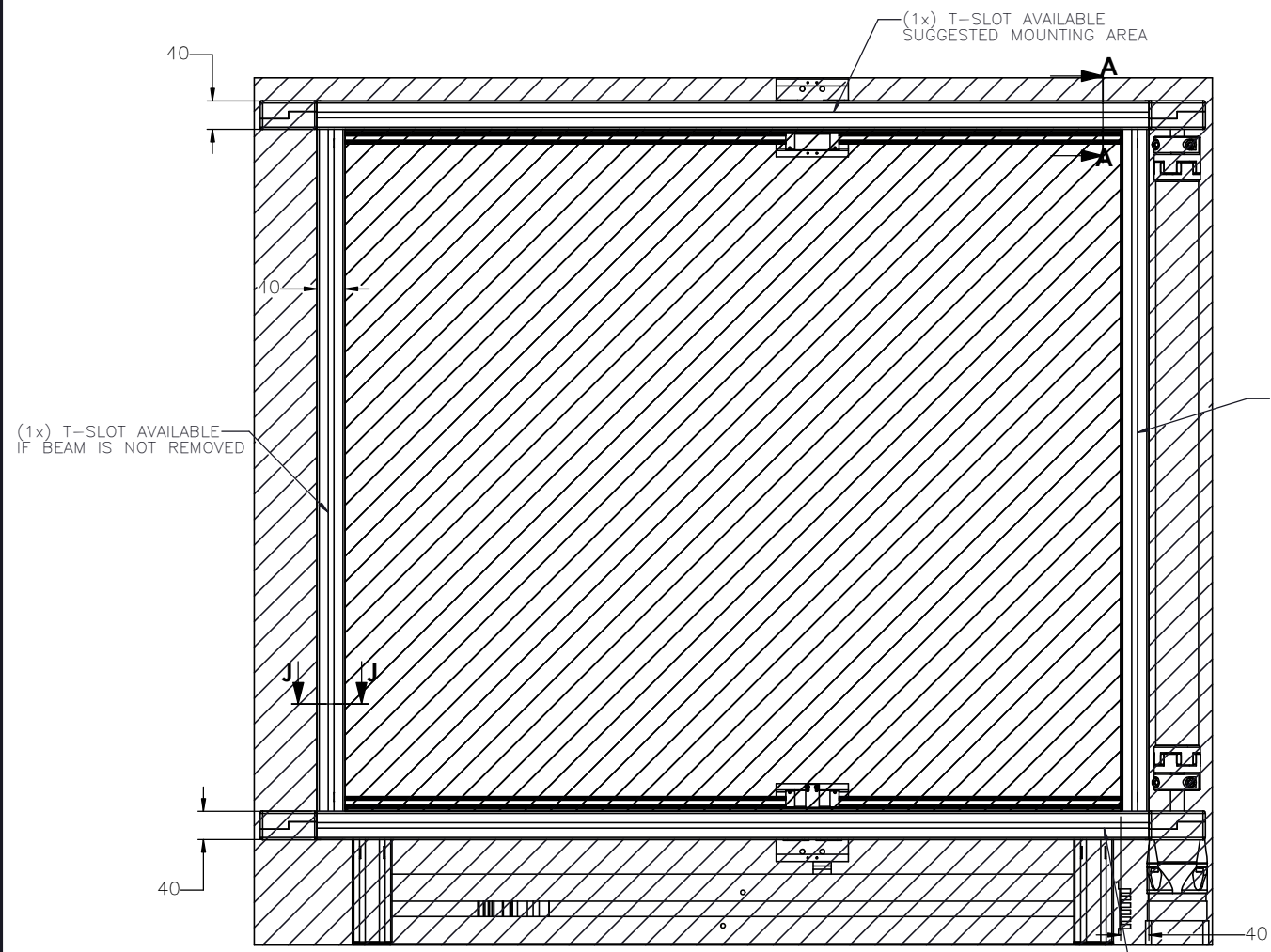
(2x) SEPARATORS EVERY
OTHER LINK

CABLE TRACK CROSS SECTION

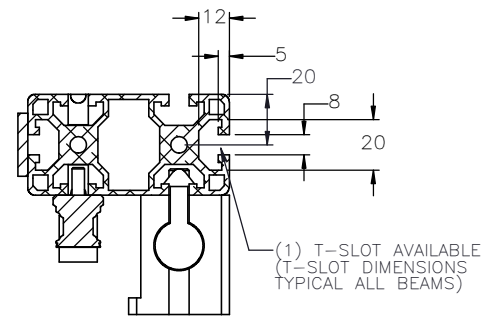


 MACRON DYNAMICS INC	DRAWN BY: PHW DATE: 11/26/2017	MATERIAL:	TITLE: MACRON R6S DUAL SYSTEM
	CHECKED BY: DATE: DD/MM/YYYY	FINISH:	
	LAST SAVED BY: Paul DATE: 8/25/2020	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETER TOLERANCES UNLESS NOTED: .XX ± .254 .XXX ± .127 OTHERWISE: ANG ± 0°30'	SCALE: 1:1 SHEET SIZE: 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 CONTAINED HEREIN IS PROPRIETARY AND CONFIDENTIAL.	SURFACE FINISH: <input checked="" type="checkbox"/> BREAK ALL SHARP EDGES DIMENSIONAL LIMITS APPLY AFTER FINISHING THIRD ANGLE PROJECTION	SHEET: 2 OF 6 PART NUMBER: MDS-R6S-X-X-X

GANTRY MOUNTING FEATURES



BOTTOM VIEW



SECTION A-A

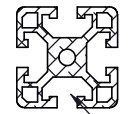
(1x) T-SLOT AVAILABLE IF BEAM IS NOT REMOVED

(1x) T-SLOT AVAILABLE SUGGESTED MOUNTING AREA

(1x) T-SLOT AVAILABLE IF BEAM IS NOT REMOVED


(1) T-SLOT AVAILABLE (T-SLOT DIMENSIONS TYPICAL ALL BEAMS)

(1x) T-SLOT AVAILABLE SUGGESTED MOUNTING AREA



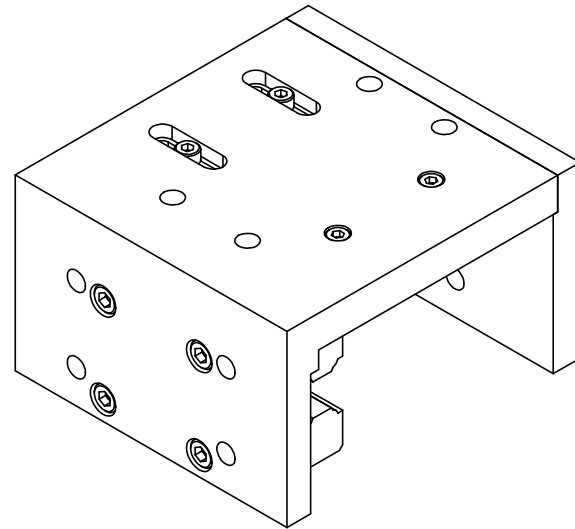
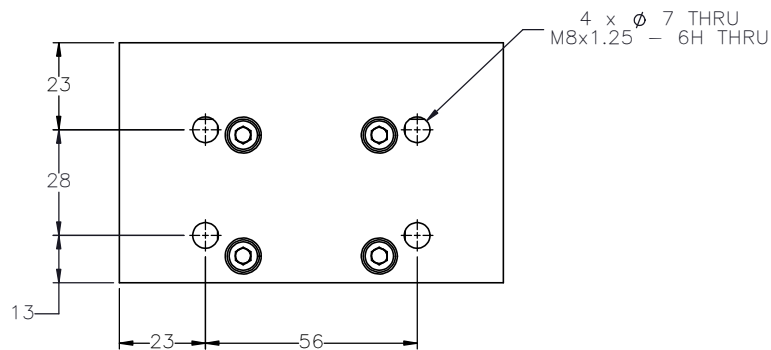
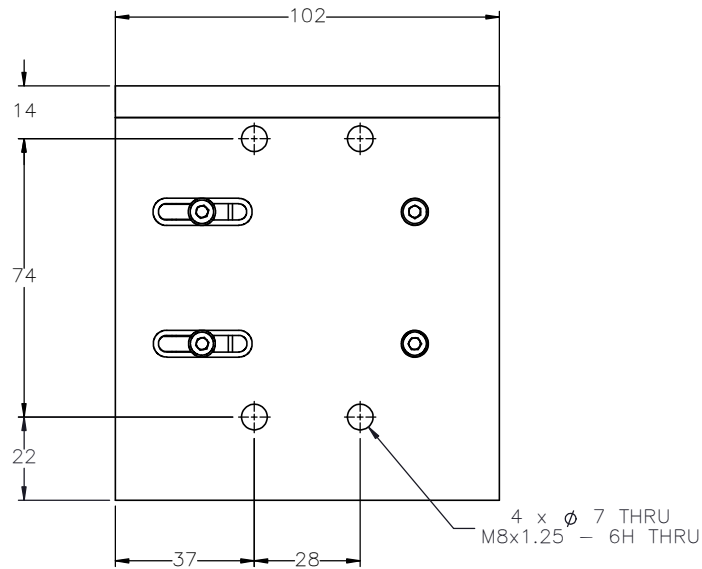
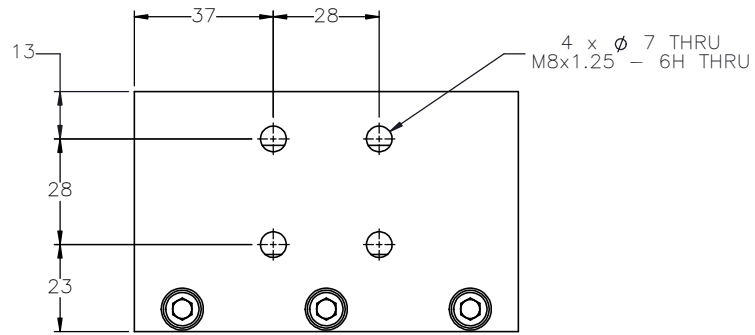
SECTION J-J


(1x) T-SLOT AVAILABLE

 MACRON DYNAMICS INC	DRAWN BY: PHW DATE: 11/26/2017	MATERIAL:	TITLE: MACRON R6S DUAL SYSTEM
	CHECKED BY: DATE: DD/MM/YYYY	FINISH:	
	LAST SAVED BY: Paul DATE: 8/25/2020	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETER TOLERANCES UNLESS NOTED: .X ± .762 .XX ± .254 .XXX ± .127 OTHERWISE: ANG ± 0°30'	SCALE: 1:1 SHEET SIZE: C
	SURFACE FINISH: <input checked="" type="checkbox"/>	BREAK ALL SHARP EDGES DIMENSIONAL LIMITS APPLY AFTER FINISHING THIRD ANGLE PROJECTION	SHEET: 3 OF 6 PART NUMBER: MDS-R6S-X-X-X

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CART MOUNTING FEATURES

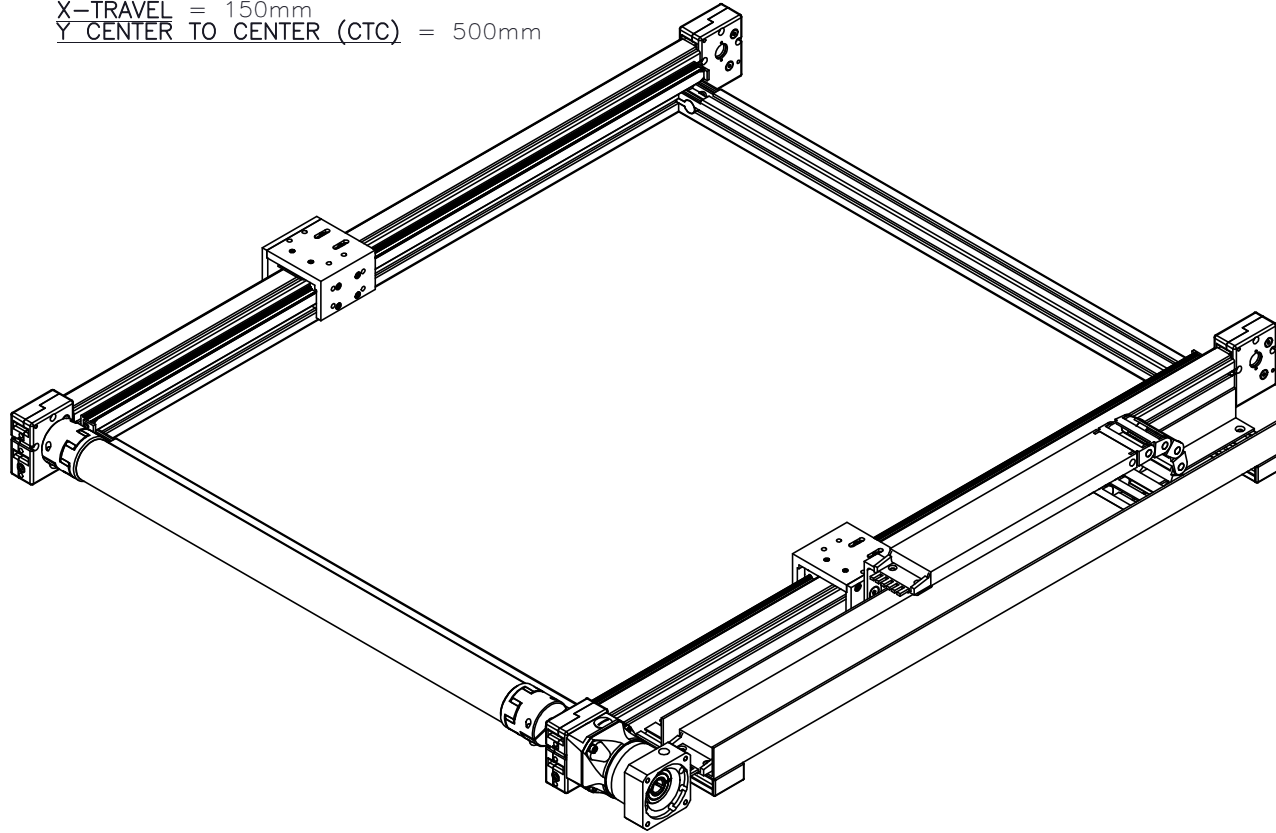


 MACRON DYNAMICS INC	DRAWN BY: PHW CHECKED BY: LAST SAVED BY: Paul	DATE: 11/26/2017 DATE: DD/MM/YYYY DATE: 8/25/2020	MATERIAL:	TITLE: CSA-R6S	
	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETER TOLERANCES UNLESS NOTED OTHERWISE:		FINISH:	SCALE: 1:1 SHEET SIZE: C	
	SURFACE FINISH <input checked="" type="checkbox"/>		BREAK ALL SHARP EDGES DIMENSIONAL LIMITS APPLY AFTER FINISHING THIRD ANGLE PROJECTION	SHEET 4 OF 6	PART NUMBER MDS-R6S-X-X-X
	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.				

MOTOR SIZING WORKSHEET

(INCREMENTAL ADDERS REFER TO MASS PER TRAVEL LENGTH)

BASE VALUES USED:
 X-TRAVEL = 150mm
 Y CENTER TO CENTER (CTC) = 500mm




PROPERTY	BASE VALUE (T=150mm, CTC=500mm)
MOVING MASS	2.616kg(+0.028kg/25mm)
BELT MASS	0.218kg(0.012kg/25mm)
PULLEY PITCH ϕ	47.75mm (1.88")
PULLEY WIDTH	28.9mm (1.14")
PULLEY MATERIAL	STEEL
TORQUE TUBE LENGTH	421mm
TORQUE TUBE ϕ	65mm
TORQUE TUBE MASS	1.486kg(+0.036kg/25mm)
TORQUE TUBE MATERIAL	ANODIZED ALUMINUM ELASTOMER STYLE COUPLINGS WITH HUB
TRAVEL PER REV	150mm

X-TRAVEL = _____ mm
 CENTER TO CENTER (CTC) = _____ mm

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

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

TOTAL SYSTEM MASS	$(X \text{ TRAVEL} \times .0085) + (CTC \times .0053) + 9.73 = \text{kg}$		
 MACRON DYNAMICS INC	DRAWN BY: PHW CHECKED BY: LAST SAVED BY: Paul	DATE: 11/26/2017 DATE: DD/MM/YYYY DATE: 8/25/2020	MATERIAL: FINISH:
	UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETER. TOLERANCES UNLESS NOTED OTHERWISE:	.X \pm .762 .XX \pm .254 .XXX \pm .127 ANG \pm 0°30'	TITLE: MACRON R6S DUAL SYSTEM
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SPECIFICATIONS

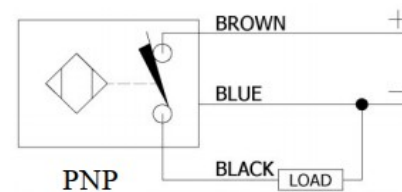
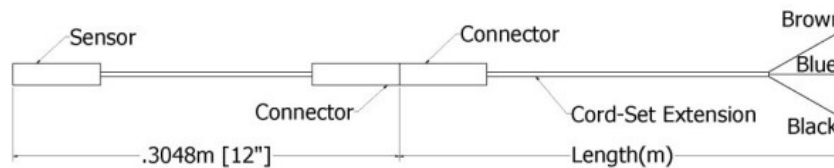
Sensor Type	Inductive
Sensor Size	Fits all 8mm wide T-Slots
Operating Voltage	10-30 VDC
Voltage Drop Across Conducting Sensor	≤1.8 V at 100 mA
Number of Conductors (AWG)	3x26 AWG
Temperature Range	-40°C to 105°C

Part Number Configuration
244- - - - -

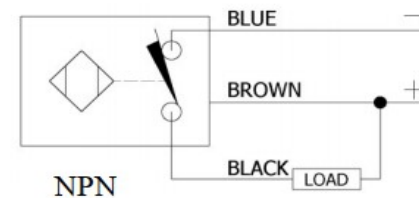
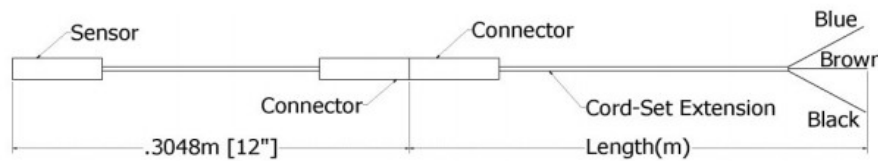
PNP or NPN	NC or NO	02	Meters
PNP or NPN	NC or NO	06	Meters
PNP or NPN	NC or NO	12	Meters

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

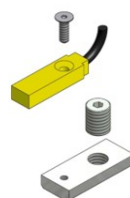
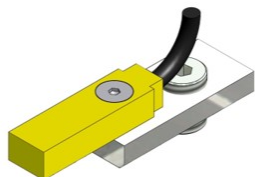
PNP Diagrams



NPN Diagrams



KIT INCLUDES – SENSOR, CORDSET EXTENSION, AND MOUNTING HARDWARE



	DRAWN BY: PHW DATE: 11/26/2017 CHECKED BY: DATE: DD/MM/YYYY LAST SAVED BY: Paul DATE: 8/25/2020	MATERIAL:	TITLE:
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	SURFACE FINISH ✓	SCALE 1:1	SHEET SIZE C
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