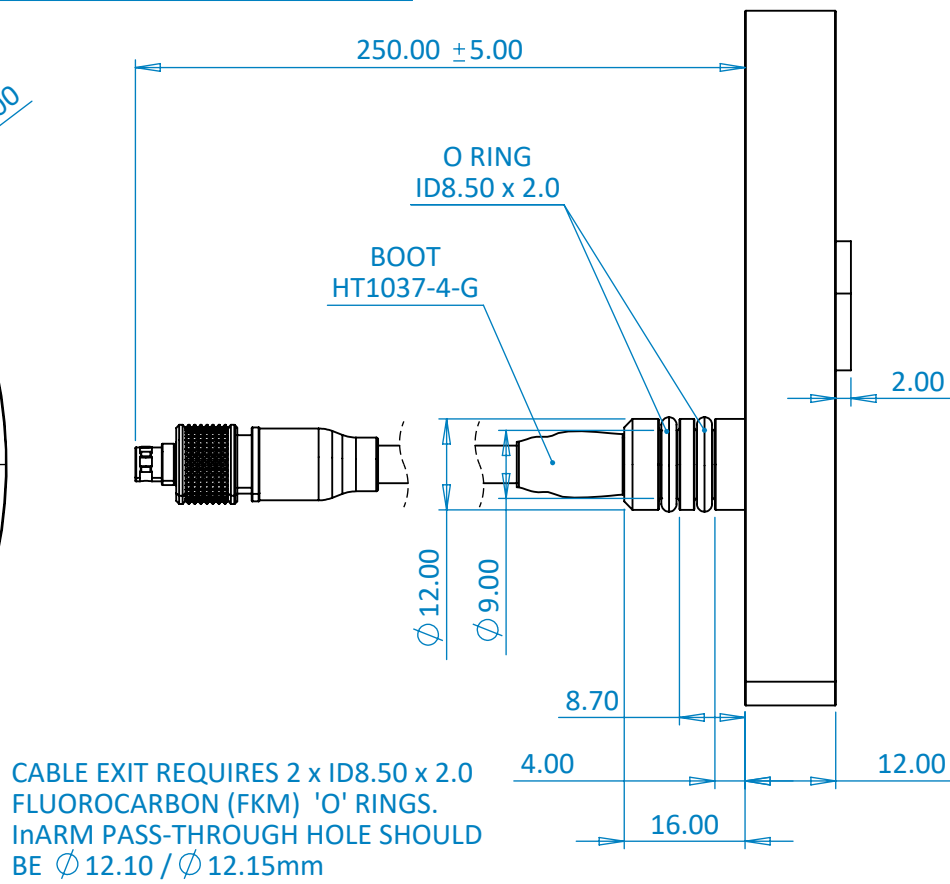
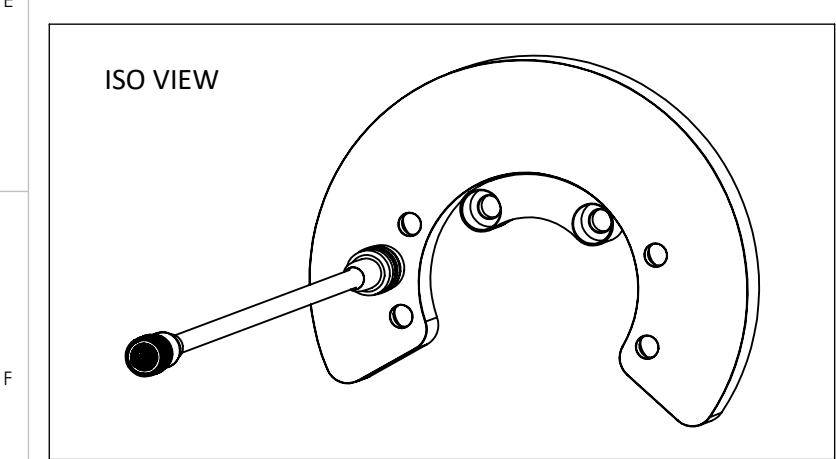
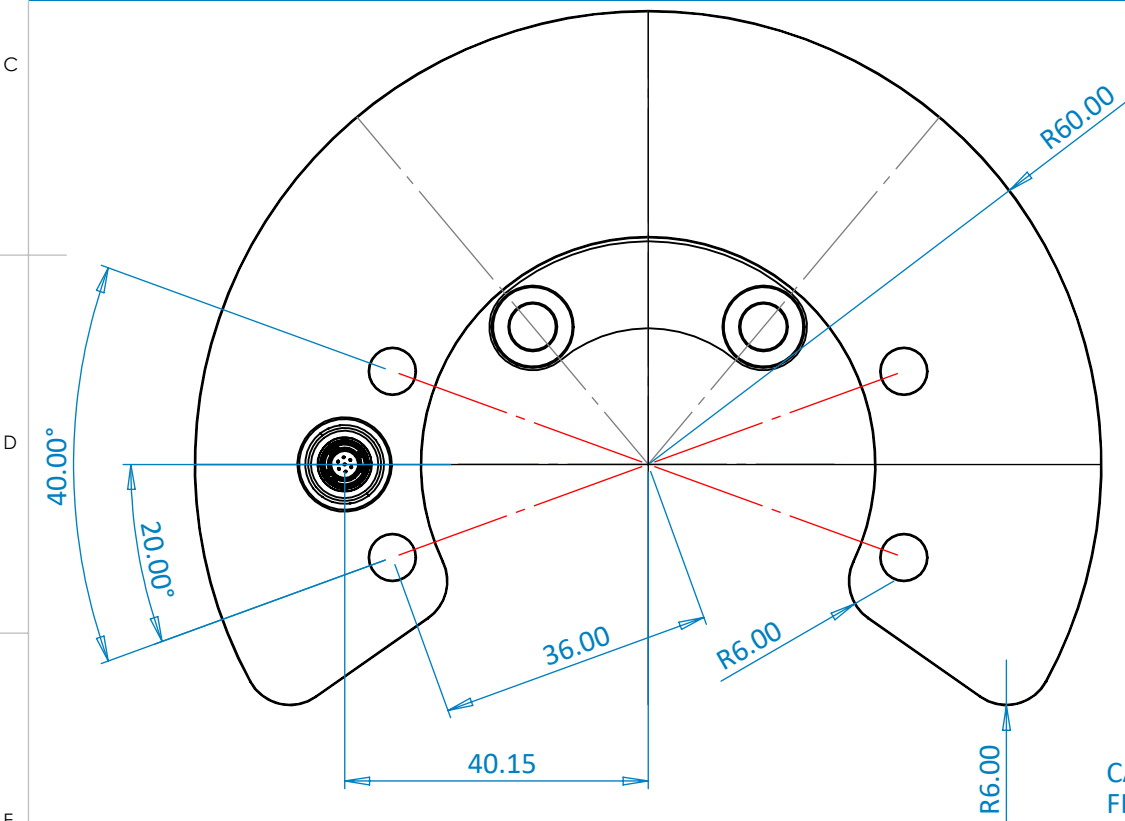
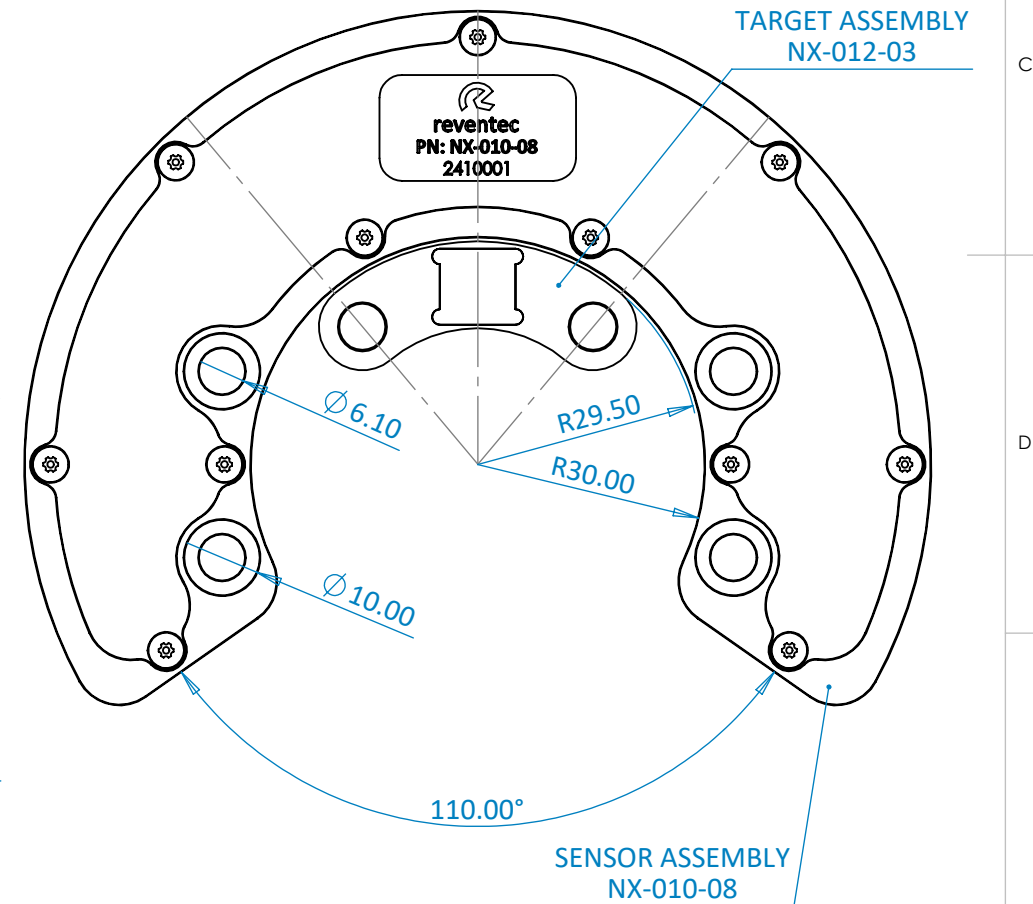
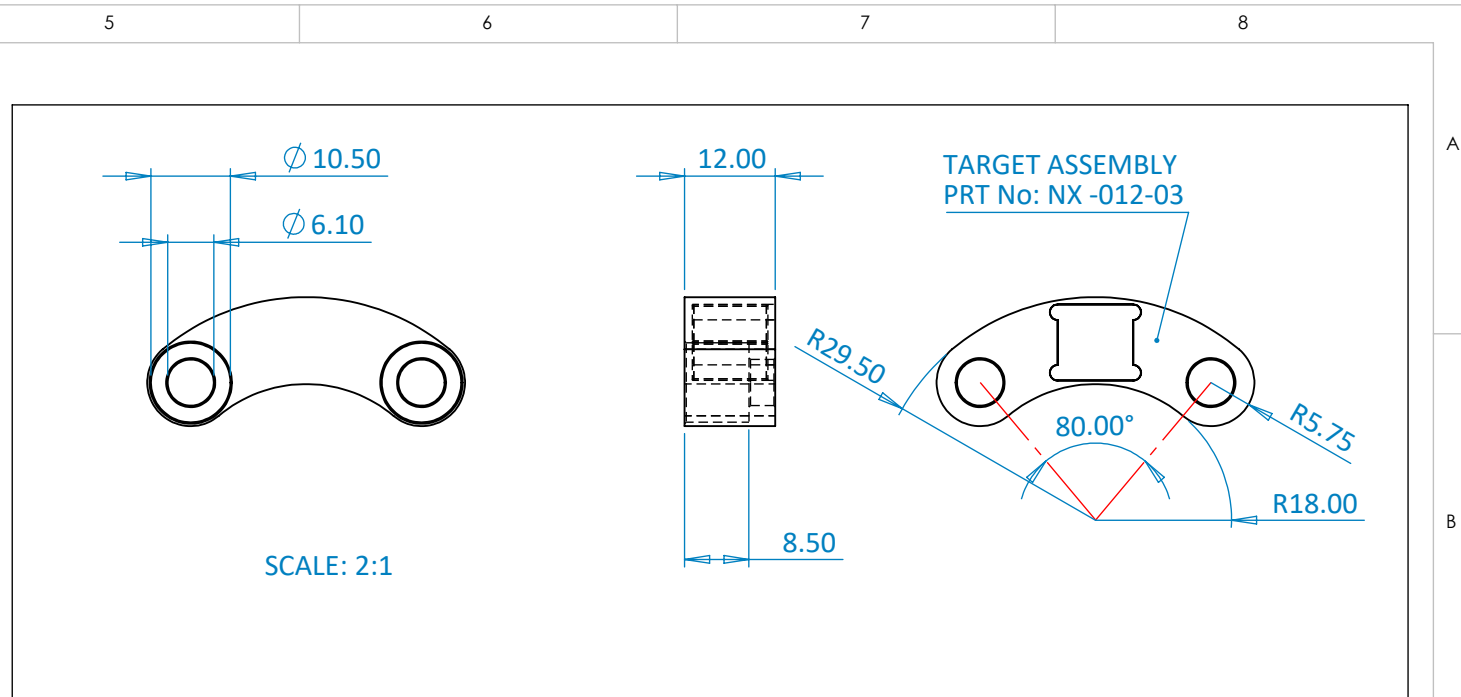


	1	2	3	4
A	Configuration:	Arc		
	Sensing Range:	0-80°		
	Air Gap:	0.5mm between sensor ID and magnet OD		
	Supply Voltage:	+8VDC to +36VDC		
	Resolution:	12 bit		
	Update Rate:	2kHz		
	Output:	CAN 2.0A & 0.25VDC – 4.75VDC analogue over 80°		
	Supply Current:	nom 45mA @ 18VDC		
	Reverse Polarity:	Can be connected in reverse for short period without damage.		
	Sensitivity:	Min. 56.25mV/Degree		
	Termination:	Connector: ODU C1CWAM-P07XBC0-0000		
	Wiring:	250mm, 7 core.		
B	Sensor Dimensions:	Approx. 120mm x 92mm x 12mm (see drawing view)		
	Housing Material:	Sensor = Aluminium 6082-T6, magnet target = S/S 316		
	Finish:	Hard Anodised (Sensor only)		
	Mounting:	4 x M6 cap head screws		
	Linearity:	+/- 0.4% full scale output		
	Operating Temperature:	-40 °C to 125 °C		
	Storage Temperature:	0 °C to 80 °C		
	Vibration:	10G from 10Hz to 2,000Hz		
	Shock:	50 G half sine wave with 11 ms duration		
	Sealing:	IP69K		
	Pressure rating:	15 bar		
	Part Number:	NX-010-08		
Target magnet assembly:	NX-012-03			



CONNECTOR PINOUT	DESIGNATION
PIN 1	+24VDC SUPPLY
PIN 2	GnD (0 VDC)
PIN 3	CAN_HIGH
PIN 4	CAN_LOW
PIN 5	OUTPUT SIGNAL
PIN 6	Tx
PIN 7	Rx



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ±0.05 ANGULAR: ±0.05	FINISH: HARD ANODISED TO DEF STAN 03-26	DEBUR AND BREAK SHARP EDGES	REVISION ISSUE DESCRIPTION DATE APPROVED
DRAWN NJM	SIGNATURE	DATE 22.05.24	06 CABLE BOOT ADDED, TARGET MAGNET PART No. UPDATED 01.12.24 NJM
CHK'D			07 TARGET MAGNET ASSEMBLY PART NUMBER UPDATED. 22.01.25 NJM
APPV'D			08 CABLE LENGTH CHANGED FROM 300mm. 13.05.25 NJM
MFG			
Q.A			
MATERIAL: AL 6082 T6 (Sensor only)			TITLE: InARM POSITION SENSOR ASSEMBLY RIGHT HAND SIDE
WEIGHT: 186.50g (sensor only)			DWG NO. NX-010-08
			SCALE: 1:1
			SHEET 1 OF 1