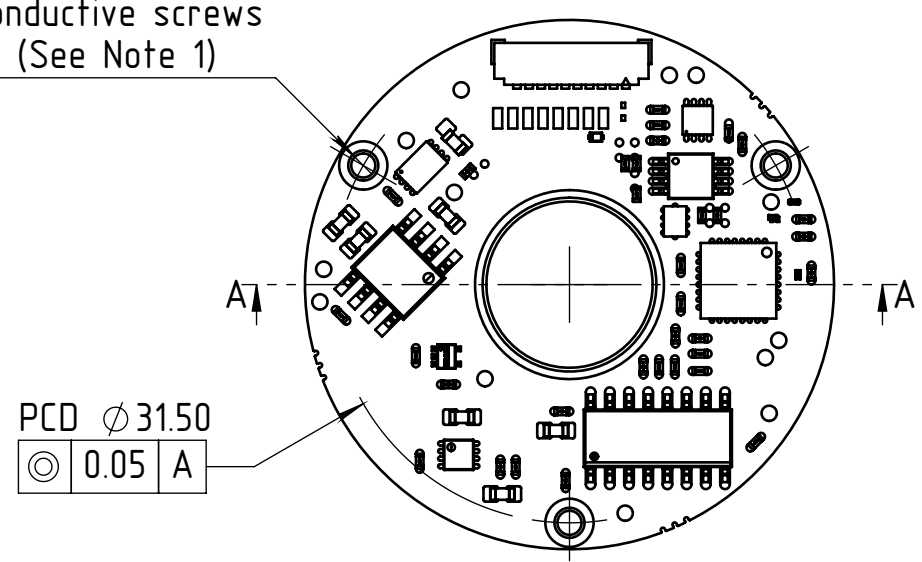


SECTION A-A
encoder dimensions

For rotor options see page 2

Ø1.60 typ.3
for M1.6
conductive screws
(See Note 1)

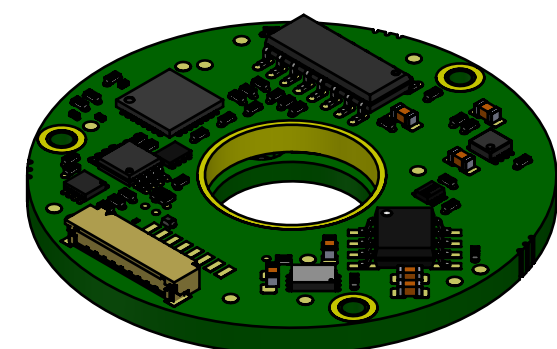


PCD Ø31.50
0.05 A

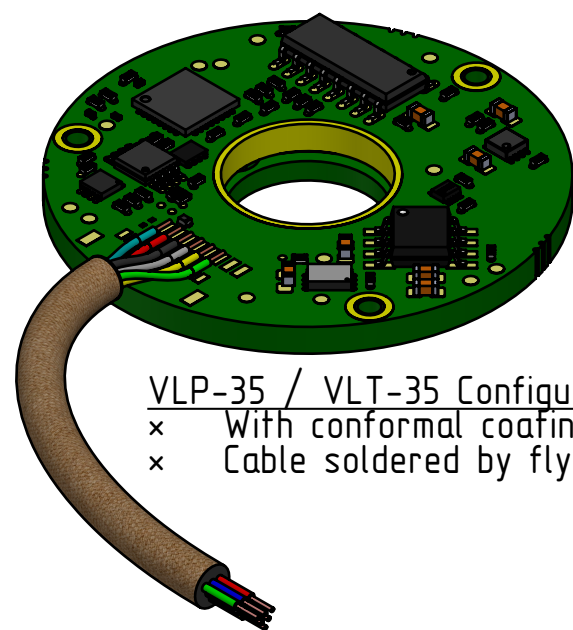
Stator mounting

- Notes:**
- It is important to use conductive screws for the stator mounting for PCB grounding.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	DRAWN
B1	01	Axial tolerance was allowed to ±0.2	05-Aug-2025	Michael A.
E8	02	VLT-35 configuration added	22-Dec-2025	Michael A.



- VLX-35 Configuration:**
- x Without coating
 - x Connector DF-10S-0.8C on-board (cable with pairing connector DF-10P is available as an accessory)



- VLP-35 / VLT-35 Configuration:**
- x With conformal coating
 - x Cable soldered by flying leads

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NAME	SIGNATURE	DATE
DRAWN Michael Agami	MA	24-Apr-2025
CHK'D		
APPV'D		

UNLESS OTHERWISE SPECIFIED:

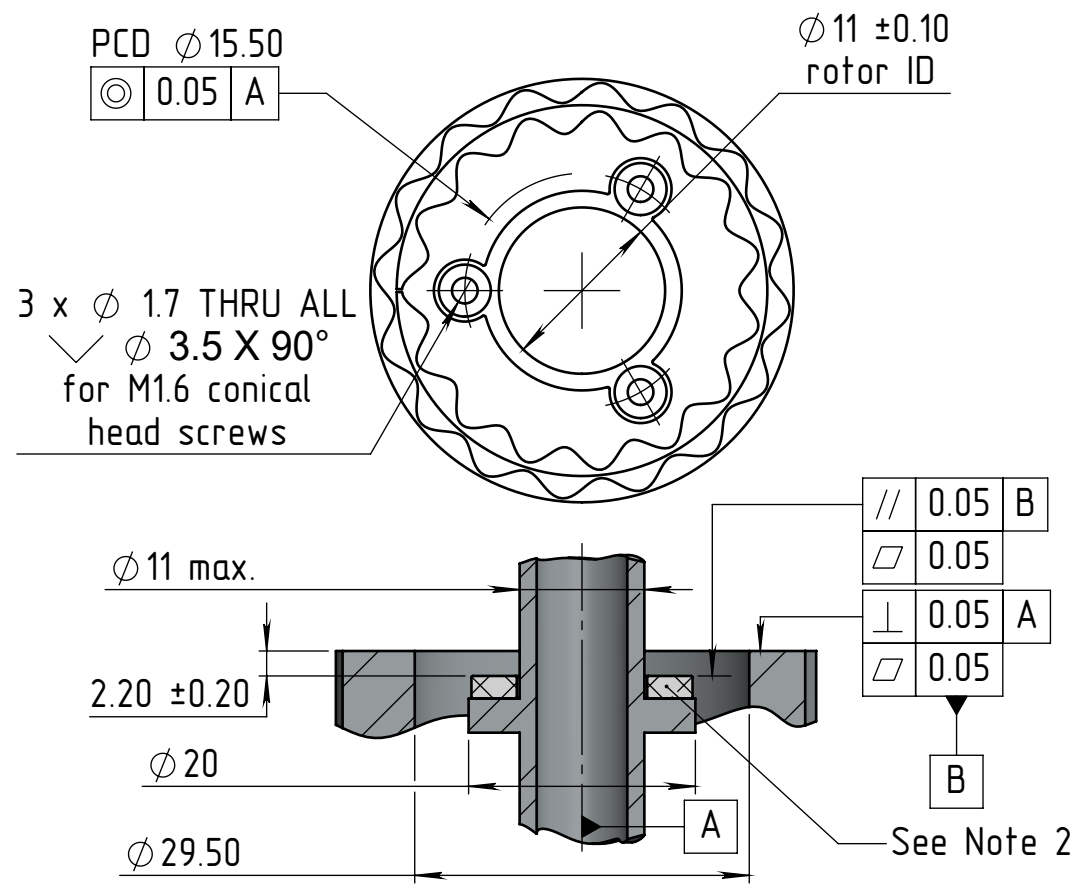
DIMENSIONS ARE IN: mm	SURFACE FINISH: N6
0.5 - 4.9: ±0.05 mm	5 - 30: ±0.1 mm
31 - 120: ±0.15 mm	121 - 400: ±0.2 mm
401 - 1000: ±0.3 mm	1001 - 2000: ±0.5 mm
Between holes: ±0.05 mm	Angles: ±0.5°
On all edges make chamfer 0.1 mm x 45°	

TITLE: VL-35 Mechanical Interface

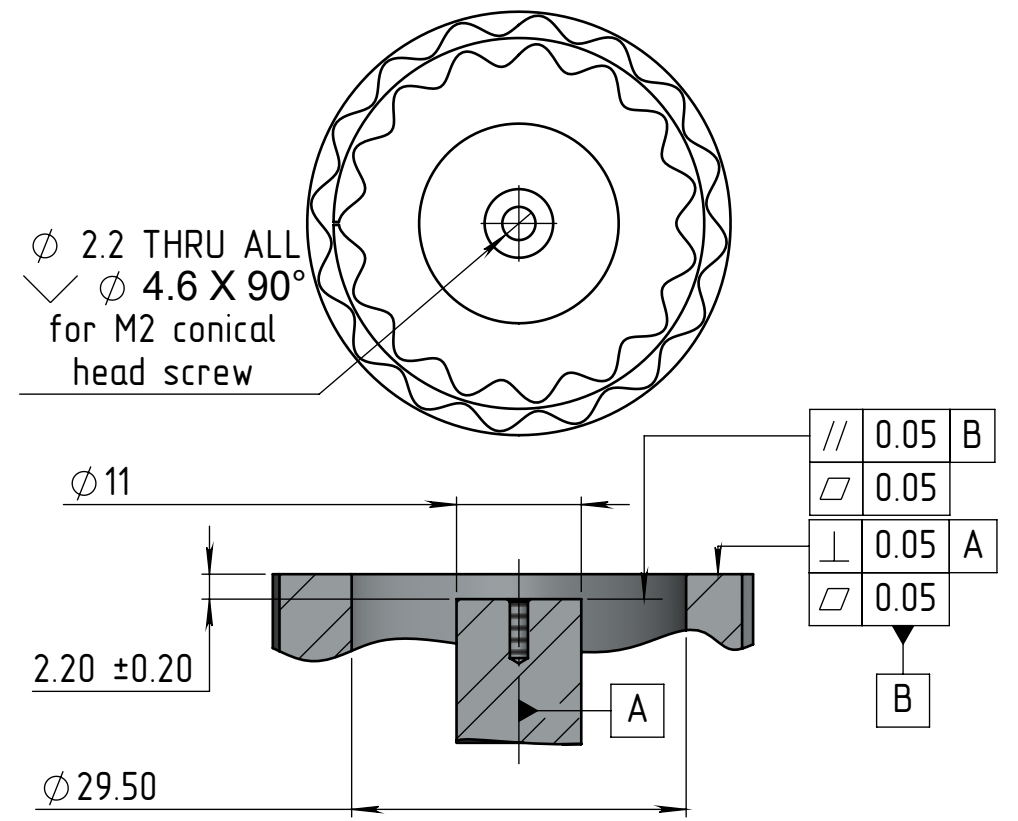
MATERIAL: Coating: SCALE: 2:1

PROJECT: VL-35 Revision: 02 A3

CAT NO.: VL-35 ICD SHEET 1 OF 2



Hollow rotor option



Single screw rotor option

- Notes:**
2. In both options it has to be 2 mm or thicker air gap or adapter mad of non-conductive material below the rotor lower surface between diameters 13.2 and 28 mm — to prevent parasitic capacitance.
 3. Screws closing torques — per screws spec.
 4. The specified base and shaft diameters are recommended but not mandatory.
 5. Both stator and rotor are positioned and centered by screws only.

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	NAME	SIGNATURE	DATE
DRAWN	Michael Agam	MA	24-Apr-2025
CHK'D			
APPV'D			

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN: mm SURFACE FINISH: N6
 0.5 - 4.9: ±0.05 mm 5 - 30: ±0.1 mm
 31 - 120: ±0.15 mm 121 - 400: ±0.2 mm
 401 - 1000: ±0.3 mm 1001 - 2000: ±0.5 mm
 Between holes: ±0.05 mm Angles: ±0.5°
 On all edges make chamfer 0.1 mm x 45°

TITLE: VL-35 Mechanical Interface

MATERIAL: Coating: SCALE: 1.5:1

PROJECT: VL-35 Revision: 02 A3

CAT NO.: VL-35 ICD SHEET 2 OF 2