

STORAGE INSTRUCTIONS



Store in dry, temperature-controlled environment (0-40°C)



Keep in anti-static packaging when not in use



Protect from dust, moisture, and direct sunlight



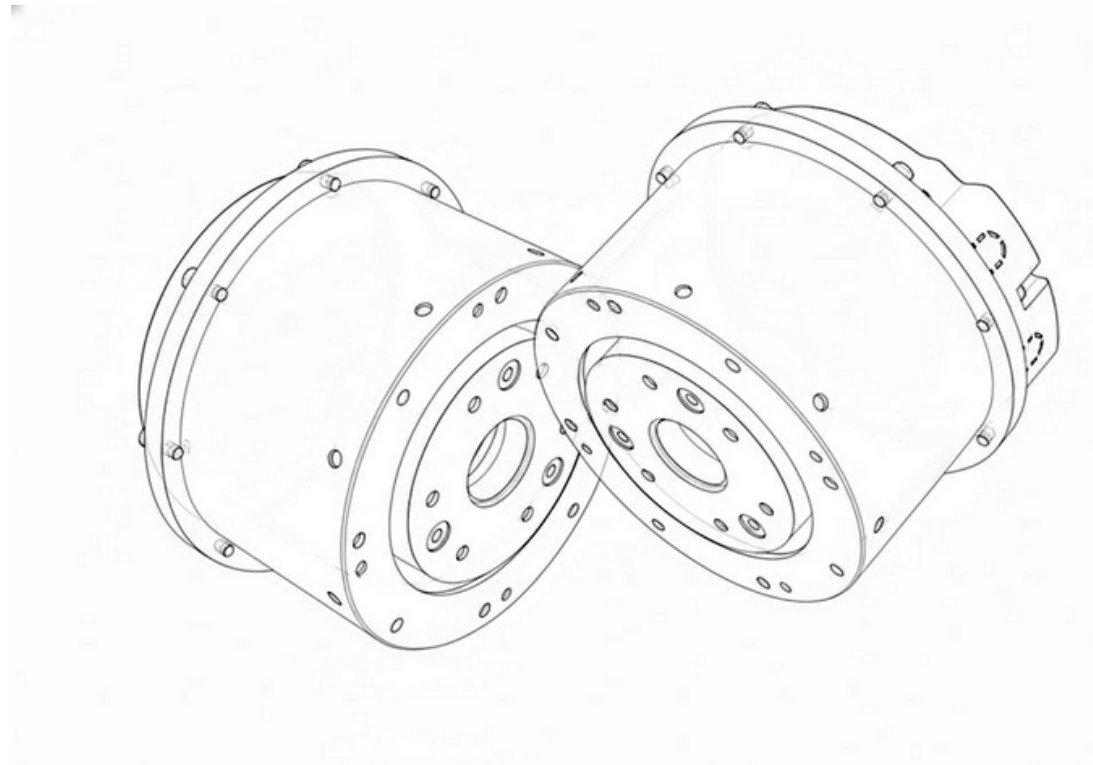
Disconnect all connectors during long-term storage

TECHNICAL SUPPORT

- For technical support, documentation, or product inquiries send an email to **support@xterrarobotics.com**
- Our team is always available to accelerate your robotics journey

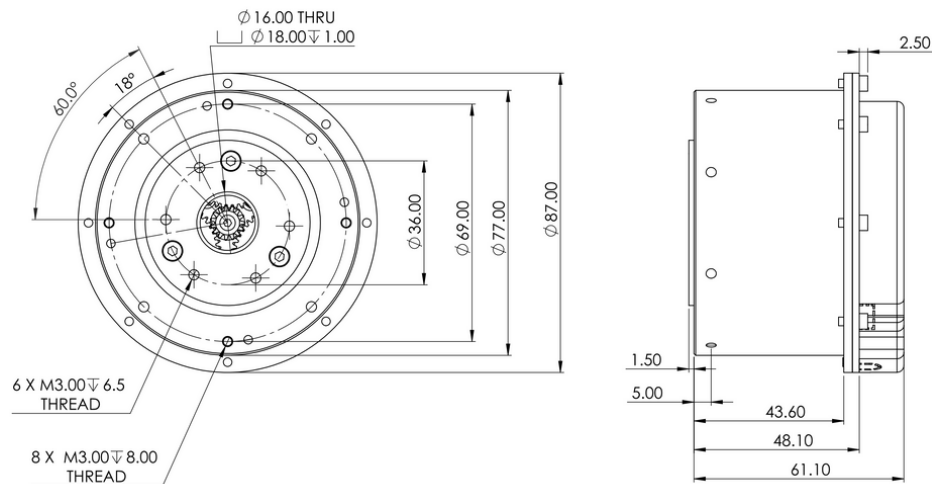


Actuator QDD A2

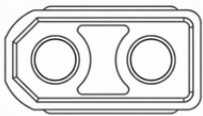


Quick Start Guide

ACTUATOR OVERVIEW

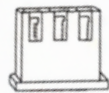


CONNECTORS



XT30U-M

(Power Connector)



CJT- 3pin-F

(Communication Connector)

- Two sets of power and communication cables come out of QDD A2
- Each set has a XT30 male (yellow colour) connector and a 3-pin CAN female connector (white colour)

HANDLING INSTRUCTIONS

- Handle with care – avoid dropping or impact damage
- Do not expose to water, moisture, or corrosive chemicals
- Keep connectors clean and free from debris
- Do not insert any object into actuator's gearbox

OPERATING INSTRUCTIONS

Power Connections

- Verify voltage compatibility before connection (24–36VDC)
- Use only a female XT30 connector, ensure correct polarity when connecting power
- Power supply: 6S LiPo battery (recommended), or a 24VDC SMPS with at least 25A max current rating

CAN Bus Connection

- Use only a male 3-pin CAN connector
- Ensure that the CAN high, low and ground match on both sides

Safety

- Never hot plug the XT30 or CAN connectors
- Never operate the actuator without mounting it on a rigid surface
- Refer the product drawing above for choosing the fasteners for the mounting points
- Never operate beyond rated specifications
- Monitor temperature during continuous operation
- Implement emergency stop functionality in your control system