

## LINEAR ACTUATORS

### Engineered to Deliver

Welcome to Dreamfusion Technologies Private Limited, Engineered to Deliver. As a leading manufacturer of high-quality linear actuators, we are dedicated to delivering reliable and efficient solutions to meet your motion control needs. Our linear actuators are designed to provide smooth, precise, and dependable linear motion for a wide range of applications, from renewable, industrial machinery to consumer products. With our commitment to excellence, we ensure that each actuator is crafted with the highest standards of engineering and quality control.

### Safety Guidelines

#### \*\*1. General Safety:

**Read the Manual:** Always read and understand the product manual before installation or operation. Follow all instructions and safety precautions.

**Personal Protective Equipment (PPE):** Wear appropriate PPE, including safety glasses and gloves, when handling or installing the actuator.

#### \*\*2. Installation Safety:

**Secure Mounting:** Ensure that the actuator is securely mounted and aligned properly to prevent mechanical failure.

**Electrical Safety:** For electrically operated actuators, ensure that the power supply is disconnected before installation or maintenance to prevent electrical shock.

#### \*\*3. Operational Safety:

**Avoid Overloading:** Do not exceed the actuator's maximum load capacity. Overloading can cause damage to the actuator and pose safety hazards.

**Clear Workspace:** Keep the area around the actuator free from obstructions and ensure that all moving parts have adequate clearance.



#### **\*\*4. Maintenance Safety:**

Regular Inspections: Perform regular inspections and maintenance to ensure the actuator remains in good working condition.

Proper Lubrication: Follow the manufacturer's recommendations for lubrication to maintain optimal performance and prevent wear.

#### **\*\*5. Emergency Procedures:**

Emergency Stop: Familiarize yourself with the emergency stop procedures and controls to quickly address any unforeseen issues during operation.

### **Terms of Use**

#### **\*\*1. General Terms:**

Intended Use: The linear actuators manufactured by Dreamfusion Technologies are designed for specific applications as outlined in the product specifications. Using the actuator outside of these specifications may void the warranty and cause damage.

#### **\*\*2. Warranty and Liability:**

Warranty Coverage: Our actuators come with a warranty against manufacturing defects. The warranty does not cover damage caused by misuse, improper installation, or failure to follow maintenance guidelines.

Limitation of Liability: Dreamfusion Technologies is not liable for any incidental or consequential damages resulting from the use or inability to use the actuator, except as expressly provided by law.

#### **\*\*3. Product Modifications:**

No Unauthorized Modifications: Do not alter or modify the actuator in any way. Unauthorized modifications can affect performance, safety, and may void the warranty.

#### **\*\*4. Return and Repair Policy:**

Return Authorization: Any returns must be authorized by Dreamfusion Technologies. Contact our customer service for return instructions and obtain a Return Merchandise Authorization (RMA) number before sending any products back.

Repair Services: For repair services, please contact our support team. Repairs must be performed by qualified personnel to ensure proper function and safety.

#### **\*\*5. Compliance and Regulations:**

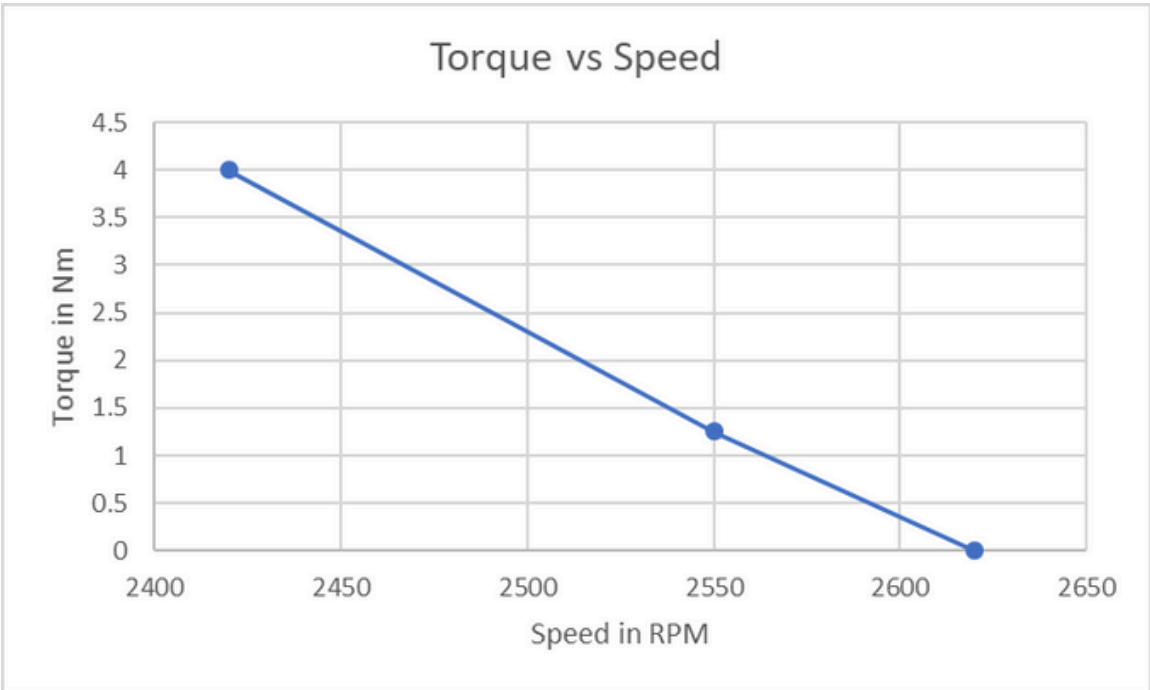
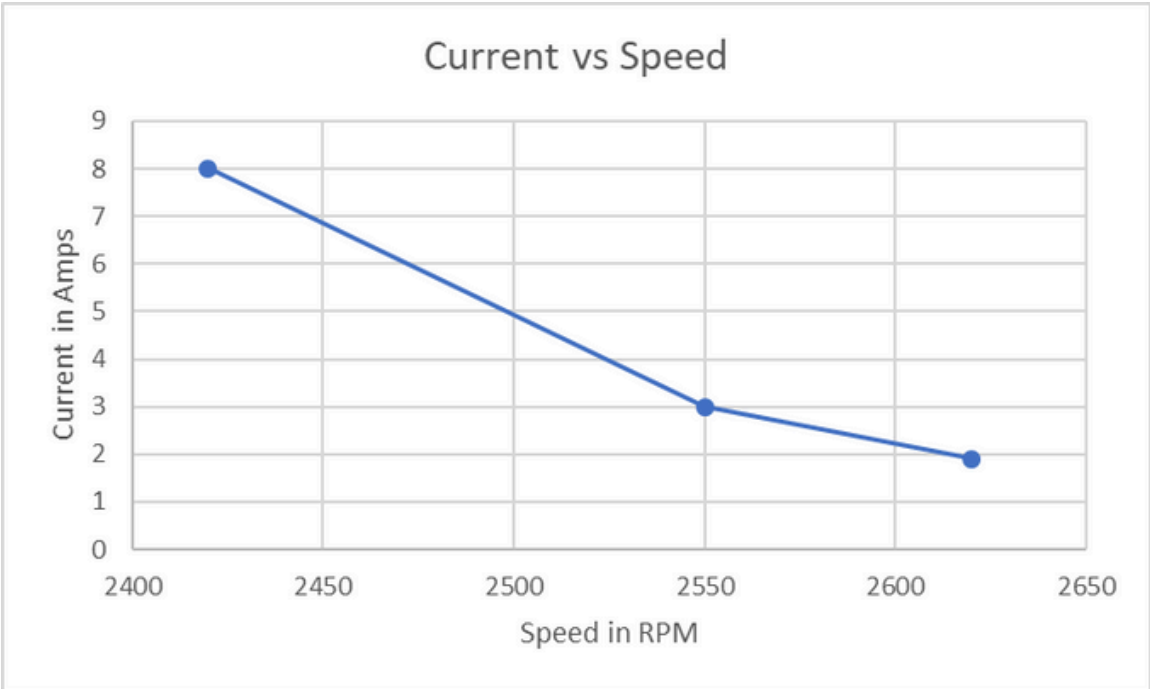
Regulatory Compliance: Ensure that the actuator complies with all local regulations and standards applicable to its use. It is the user's responsibility to adhere to these regulations.

#### **\*\*6. Contact Information:**

Support and Inquiries: For any questions or support, please contact Dreamfusion Technologies at [sales@dreamfusiontech.com](mailto:sales@dreamfusiontech.com)

# SPECIFICATION - DF-LA-SL250

PARAMETER	SPECIFICATION
DYNAMIC LOAD CAPACITY	7000N
FRONT END MOUNTING	DIA14 - SQUARECONNECTOR - ADJUSTABLE HOLE
REAR END MOUNTING	DIA14 - SQUARECONNECTOR - ADJUSTABLE HOLE
HOUSING	Extruded Aluminium Profile Tube 6063
HOUSING COLOUR	Silver Grey
INSTALLED LENGTH	
IP CLASS	IP65
MOTOR	BLDC
<i>MOTOR OPERATING VOLTAGE</i>	24V
<i>MOTOR POWER</i>	240W
<i>MOTOR TORQUE</i>	No Load Torque - 1.2Nm Full Load Torque - 4 Nm
<i>MOTOR OPERATING CURRENT</i>	No Load - 1.8 Amps Full Load - 3 Amps
<i>MOTOR OPERATING TEMPERATURE</i>	-10°C to 65°C
<i>MOTOR SENSORS</i>	Hall Sensors - 3 Nos
<i>MOTOR CONTROLLER</i>	Exclusive design
<i>MOTOR CABLE</i>	OD 11.5mm 8 Core Cu Cables: 5 Communication Cable 3 Power Cables All cables are Halogen Free
STROKE LENGTH	250MM
LIMIT SWITCH	2 Limit Switch In-build
FULL LOAD CURRENT	<=10Amps
FREE LOAD SPEED	6 mm/s
FULL LOAD SPEED	4 mm/s
TEMPERATURE - OPERATION	-10°C to 55°C
SPECIAL GREASE	Synthetic Paste Base



DIMENSIONS IN MM UNLESS OTHERWISE STATED