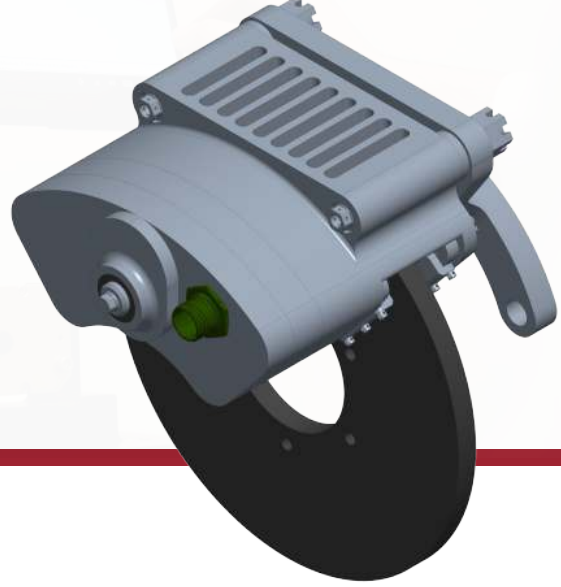


# RBS101-0000-00

# ROTOR BRAKE SYSTEM



Rotor Brake System consists of an electromechanical brake with floating caliper and its control box.

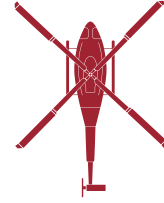
The rotor brake functions at a point connecting the main rotor and tail rotor in the helicopter and has the capacity to stop both of them. The main purpose of the system is to stop the rotor after the helicopter landing and enable comfortable evacuation.

## STANDARDS

DO-160G

DO-254

## APPLICATIONS



Rotorcraft

## KEY FEATURES

- > Unique integrated design of brake and controller
- > Robust system for harsh environment
- > Lightweight structure with carbon disc and pad
- > Safety critical equipment

## Specifications

**Total Weight** <= 15 kg

**Operating Voltage** 28V

**Continuous Current** 2A

**Maximum Current** 8A (At motor in-rush)

**Standby Current** 100 mA

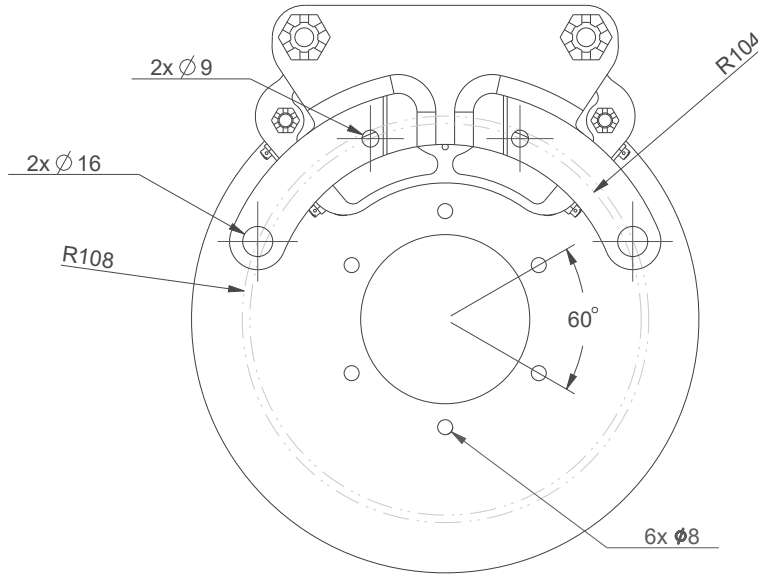
**Standby Current** 100 mA

56W, 50s at braking

**Power Consumption** 56W, 10s at disengage

2.8W, continuous at standby

**Operating Temperature** -400°C to +1,100°C



Controller - Helicopter Side Connector		
Contact Type	Pin Contact	
Wire Size	14, 24	
Pos	Signal	Notes
1	Supply	
2	Return	
3	Brake Switch, Signal (28V / Open)	
4	Parking Brake Signal, Signal (28V / Open)	NR
5	Safety 1, Signal (28V / Open)	WoW
6	Safety 2, Signal (28V / Open)	Engine 1&2 Status
7	Temperature Sensor, TBD	
8	Temperature Sensor, TBD	
9	Temperature Sensor, TBD	
10	Status Indicator, Signal (28V / Open)	
11	Wear Status Indicator, Signal (28V / Open)	
12	FAIL, Signal (Open / GND)	
13	INHIBIT, Signal (Open / GND)	