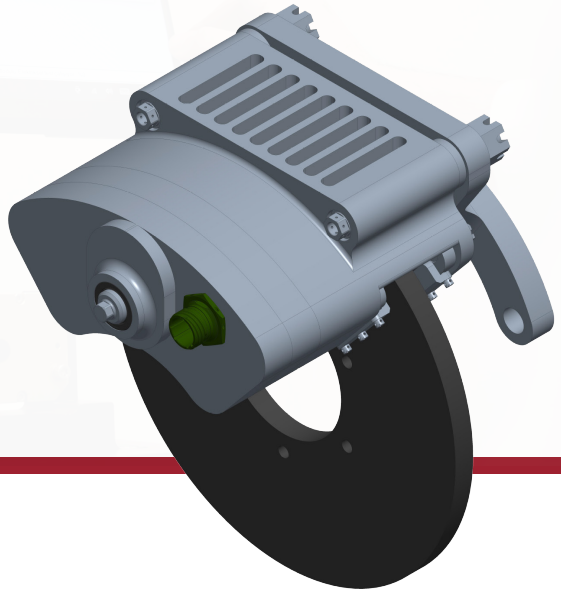
RBS101-0000-00

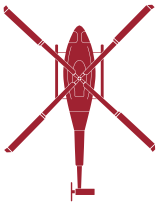
ROTOR BRAKE SYSTEM



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.

APPLICATIONS



Rotorcraft

STANDARDS

DO-160G
DO-254

KEY FEATURES

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

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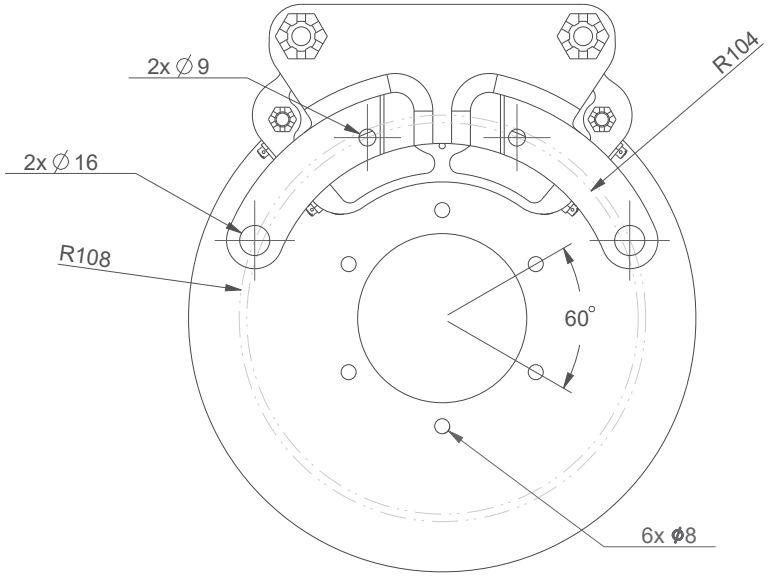
Specifications

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
Power Consumption	56W, 50s at braking
	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)	

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