

EMB101-0000-00

ELECTROMAGNETIC BRAKE



APPLICATIONS

Developed by ANDAR for a CS27 certified helicopter program to integrate into primary flight control surfaces, EMB101 electromagnetic brake has a highly specialized and customized structure, designed to meet customer requirements. It provides high holding torque with its specially designed structure and special material.

The electromagnetic brake is integrated into the trimming system, allowing the pilot to manually adjust the neutral point of the controller by releasing the brake and holding the newly trimmed neutral point. It provides comfortable control to the pilot depending on the changes in flight conditions.



Rotorcraft

STANDARDS

MIL- STD-461E
MIL-STD-810G

KEY FEATURES

- > High holding torque
- > Lightweight structure
- > Minimal backlash

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ANDAR

Armature Type		Normally engaged
Static Friction Torque	Nm	> 30
Rated Voltage	VDC	28 NOM.
Resistance	Ω	17.5 \pm 10%
Inductance	mH	70 \pm 10% @ 1 kHz
Current	A	1.6 TYP.
Wattage	W	< 50 @ 28VDC
Lead Wires	AWG	2 x 22
Brake Release Time	s	< 0.05
Weight	kg	< 1.50
Backlash	$^{\circ}$	< 0.1
Rotation Limit		Continuous
Spline Data		ANSI B92.1 3/4" 23 TEETH, CLASS 5

