

29-08-2011



WHEELS & BRAKES
High Performance for Aircraft

NEWS BERINGER
BLOIS 2011

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stand SA1



Anti
Lock
In line
Regulator

ALIR

**Less insurance premiums
and more safety**

with the braking system **BERINGER® ALIR**
and Air Courtaige:

info@air-assurances.com
+33 04 74 46 09 10



NEW

Ultralight 4 " WHEEL without brake suitable for

- nose wheel LSA ULM
- bush tail wheel

550g



NEW

Double caliper for 29" and bigger BUSH WHEEL

Used by the SAVAGE BOBBER

**TUBELESS
WHEELS**



NEW

HIGH ENERGY 6" WHEEL

Suitable for 4 & 6 seat aircraft single
and twin engine

with **HIGH ENERGY 2P caliper**

- new HIGH ENERGY 2 piston callipers Ø32mm
- new larger stainless steel disc
- sintered metal pads very long life

up to 405.000 ft-lb

Système double isolation thermique: deux couches d'isolant entre plaquette et étrier. Ailettes de refroidissement taillées dans l'étrier.

30% of accidents occurring on the ground are due to a bad control of the brakes

Avoid all these risks with the BERINGER ALIR on your aircraft



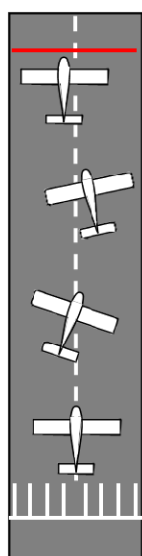
ALIR System
Anti Lock
In line
Regulator



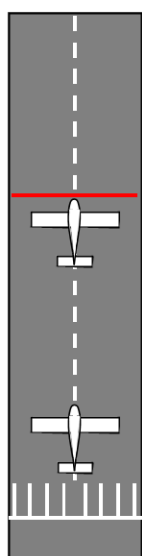
ALIR PRESSURE REGULATOR allowing a ± 1 bar maximum reference pressure and an equi-pressure left-right

**a real advance
in term of safety**

ALIR



Without ALIR



with ALIR

The ALIR system allows the control of the direction on the ground with differential braking.

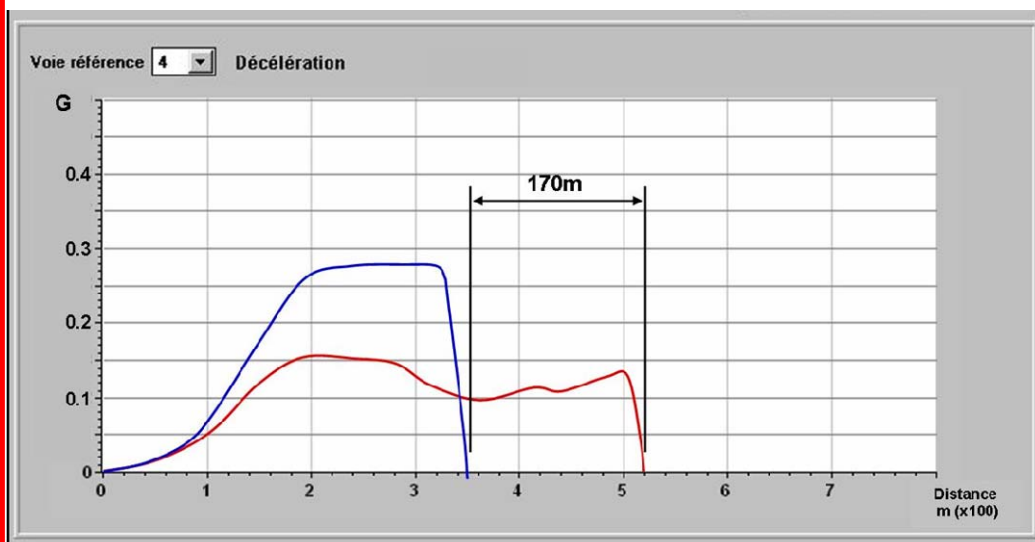
The system can be installed on certain old aircraft.

EMERGENCY BRAKING : comparison of:

- blue curve : with ALIR: the pilot applies full braking without any control (similar to a car ABS)
- red curve: without ALIR: no regulation, the pilot must control the braking

(in both cases, conditions are the same: same plane, same brakes)

Weight of the aircraft: 1200 kg (2667 Lbs), braking speed: 70 Kt



Nota: BERINGER brake pads used in the ALIR system have a friction coefficient that increases with the temperature allowing an increase of the deceleration when the lift decreases on the wings.

www.beringer-aero.com



BERINGER
is certified
EASA
Part 21G

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