

ASSEMBLING OF THE BRAKE HOSES and FITTINGS : report to the specific instruction

BLEEDING of the BRAKING SYSTEM : when the assembling of the braking line is completed, report to the bleeding instruction. You must USE ONLY the braking fluid indicated on the calipers, master cylinders, limiters, regulators and parking brake valves.

HOW TO SET the ALIR REGULATOR : the ALIR anti-skid regulator can prevent the wheel locking if it is properly set.

When you rotate the thumbwheel, you change the maximum pressure available in the wheel brakes.

You look at the thumbwheel in front of you :

- if you rotate it clockwise : the braking power increases
- if you rotate it anti-clockwise : the braking power decreases

The coarse setting is indicated on the top of the regulator:

As example, on the picture, the lowest pressure indicated is 20 bars and the maximum pressure 50 bars.

1 click on the thumbwheel = 1 bar

1 revolution of the thumbwheel = 5 clicks = 5 bars



Setting : **First of all, you must have done approximately twenty landings to run in the brakes** (report to the following chapter: BRAKES RUNNING IN) with the regulator set at a 20 bars pressure approximately.

Then you will do braking tests with the aircraft **at low load** to evaluate what is happening:

- if the deceleration is not enough : increase the pressure of the regulator
- if the wheels are locking : decrease the pressure of the regulator until the wheel locking disappear
- in the case of a taildragger, if the tail lifts up : decrease the pressure of the regulator

BRAKES RUNNING IN : you **MUST RUN IN properly** the brake pads and the discs to ensure the best performance and the best life time to the brakes.

Running in instruction : during 20 to 30 landings :

- brakes must be operated smoothly
- without too strong effort on the brake controls (master brake cylinders)
- without heating the brakes

nota : **TAKE CARE** that braking efficiency is reduced by approximately 50% when the brakes are new. This warning is also available when you put new brake pads and discs.