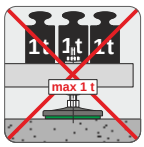
Mounting instructions for AirLoc Jacmount Adjustable Levellers PRG / PRGI / PR

AirLoc Corporation
5 Fisher Street
Franklin, MA 02038 USA
Tel.: +1 508 528 0022 / +1 800 922 3019
Fax.: +1 508 528 7555
www.airloc.com / info@airloc.com

Please read these operating instructions carefully. The weights that are supported by these precision parts can be extremely heavy. The loading situation cannot usually be seen and is often underestimated. An incorrect or poorly planned assembly of the Jacmount Adjustable Levellers can impair the performance of the machine.

The product must be in a technically flawless condition. Do not use if you notice visible damage!

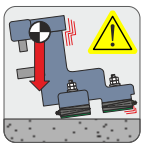
Safety instructions



Avoid overloading

AirLoc Jacmount Adjustable Levellers are designed to support a certain load. Please consult the enclosed data sheet to find the permissible maximum load of the Jacmount Adjustable Leveller and ensure that this load limit is not exceeded when using the machine. The Jacmount Adjustable Leveller can become damaged!

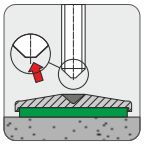
Please also note that if the centre of gravity of the machine is off-centre, this can result in different loads on the different Jacmount Adjustable Levellers. Take the most heavily loaded Jacmount Adjustable Leveller as a reference for the maximum load.



Anchoring top-heavy machines to the floorBolt-on Jacmount Adjustable Levellers may not be used on top-heavy machines!

Danger of tilting!

Only use bolt-through Jacmount Adjustable Levellers (GLRN) or bolt-through or rigid clamp Wedgmounts.



Use suitable studs

GLV and GLR Jacmount Adjustable Levellers with a tapered thread may only be used with flat ended studs. The AirLoc stud S should be used as it is specially designed for this purpose.

Machine transport

The bolt-on AirLoc Jacmount® adjustable levelers can remain on the machine flange and do not need to be disassembled for transport. In this case, the Jacmount® must be kept clear, i.e. the machine must be positioned on wooden beams.

When the machine is raised, ensure that the isolation pad is not stuck to the floor or machine. Otherwise, the Jacmount® can be pulled apart and become damaged. Observe the Jacmount® while slowly lifting the machine. If the isolation pads are stuck to the floor, carefully release them using a rubber mallet.

General notes on leveling the machine

The contact surfaces of both the machine and floor must be thoroughly clean.

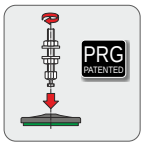
With heavy machines, it is possible under certain circumstances to adjust the Jacmount® to the highest position before applying the load. The machine is then leveled downwards which requires considerably less force.

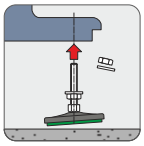
Position the Jacmount® so that the leveling stud can be easily reached.

On machines where the centre of gravity is not eccentric, all the anchor points must be equally loaded and the torques on all Jacmount® levelers must be within the same tolerance range.

With a four-point support, always work in pairs with the support points, i.e. two right, two front, two back etc. with the same number of turns.

An equal, balanced load must be ensured on the Jacmount® levelers to prevent the machine from "walking". If this is not the case, level two diagonal Jacmount® levelers until the torques are approximately equal.





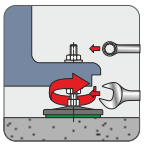
1. Preparations

PRG/PRGI levelers, patented:

The mounting thread at the lower end of the special stud G1/G2 has to be fully screwed into the Jacmount® so that the shoulder carrying the load is properly positioned in it. Secure connection! Then insert the stud from below into the drilled hole on the machine foot so that the machine foot lies directly on the serrated locknut and/or leveller washer.

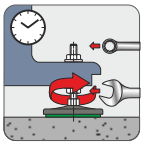
PR levelers:

With the pivoting special stud mounted, insert the stud from below into the drilled hole on the machine foot, so that the machine foot lies directly on the serrated locknut and/or leveller washer.



2. Mounting the machine

If all the Jacmount® adjustable levelers are fitted, the machine can be carefully lowered and leveled over the hexagon head of the special stud. When the machine is properly leveled, tighten the counter nut with washer.



3. Settling time of the isolation material

All vibration isolation pads fixed under the Jacmount® adjustable levelers will be compressed under load. The compression process requires a certain amount of time. The machine alignment should be checked approximately 3 weeks after installation and, if necessary, the machine must be re-leveled. We recommend regular checks of the machine alignment (min. once per year).