



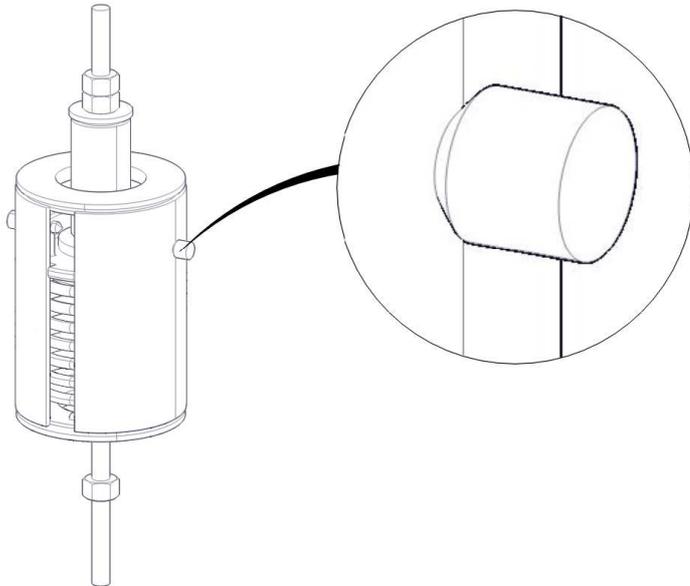
ASSEMBLY AND UNLOCKING GUIDE FOR VARIABLE SPRING SUPPORTS - TYPE D

ASSEMBLY AND UNLOCKING GUIDE FOR VARIABLE SPRING SUPPORTS – TYPE D

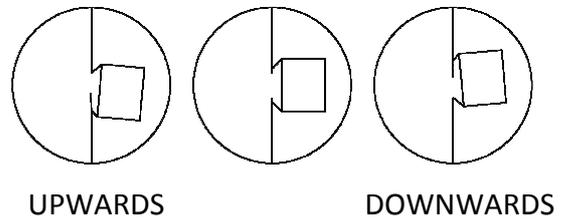
SHEET:
1

For erection of this spring type and after different accesories installation (clamp, eye nut, rods, ...), you must consider the convenience of giving some tack welds between spring case and structure, to ensure the element against any circumstance that can affect it.

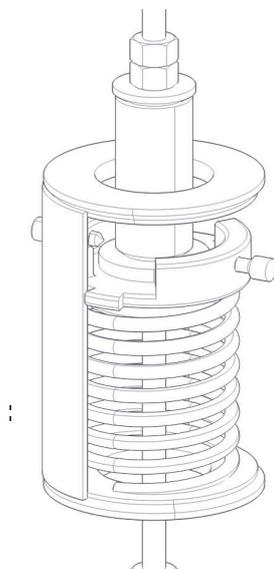
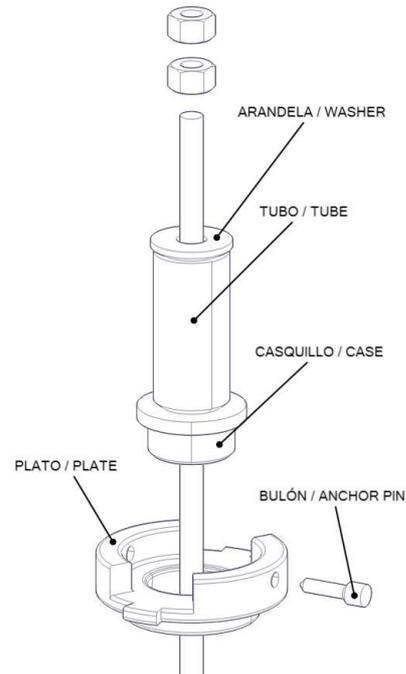
You must follow the next instructions (after the hydraulic test is finished) in order to unlock the spring:



Check the position of the pins. They can be leaning upwards, downwards, or they can be in horizontal position.



The rod passes completely through the spring. The nuts are in contact with the washer, which is welded to the tube. The tube is welded to the case, and the case leans over the plate.



If the pins are leaning upwards (used to come like that after manufacturing), it means that the spring is pushing upwards stronger than the pipe downwards. If the pins are leaning downwards, it means the spring is overtightened.

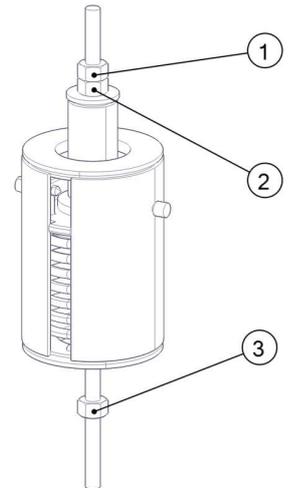
0	09/04/12	INFORMATION	JCC	JMD
REV.	DATE	EDITED FOR	DRAW	CHECK

ASSEMBLY AND UNLOCKING GUIDE FOR VARIABLE SPRING SUPPORTS – TYPE D

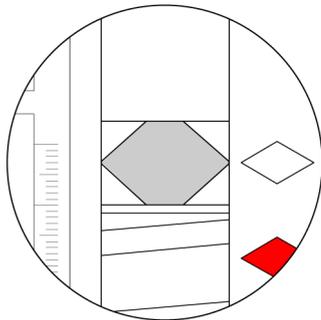
SHEET:
2

In any case, you must proceed as follows:

- Loosen the upper nut (1).
- Tighten the lower nut (3) against the adjoining element (forged eye nut, forged clevis...).
- The regulator element is the middle nut (2):
 - If the pins are leaning upwards, screw the nut (downwards).
 - If the pins are leaning downwards, unscrew the nut (upwards).



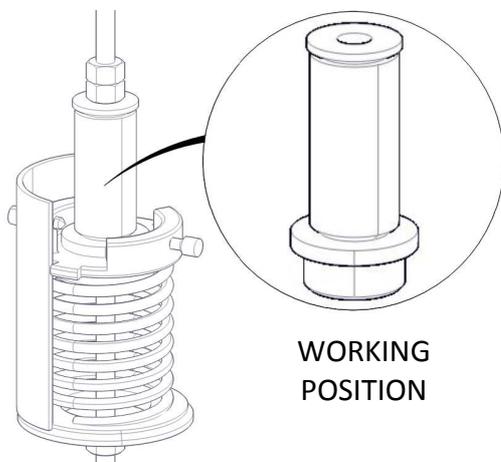
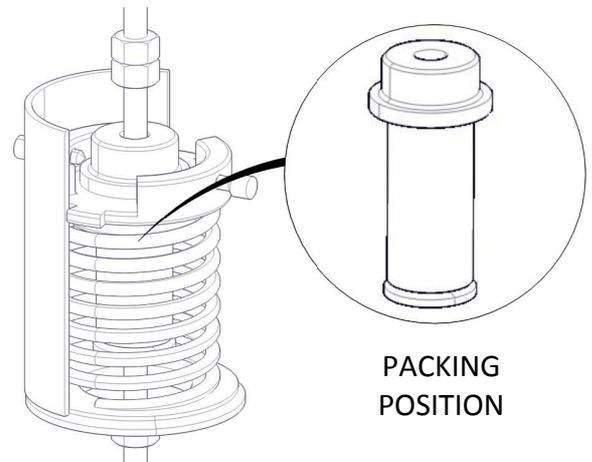
If you follow these instructions, you will be able to take the anchor pins off easily, using pliers or just your hands.



Once the anchor pins are out, you should check that the middle point of the plate is approximately aligned with the vertex of the blue or white rhombus. If it is not, you must screw or unscrew again the regulator nut (2) until it is aligned.

At the end, all the nuts and check nuts must be screwed, and all the threads must be lubricated.

If there are various spring supports in the same pipe line, you must unlock first those that bear the higher load. Once you unlock all the supports, you should check all the indicators, and if it is necessary, adjust them again.



NOTE: Some times, in order to save space when packing the spring supports, the set Washer-Tube-Case is placed downwards. You must pay attention and check that the set has the washer in the upper position.

0	09/04/12	INFORMATION	JCC	JMD
REV.	DATE	EDITED FOR	DRAW	CHECK