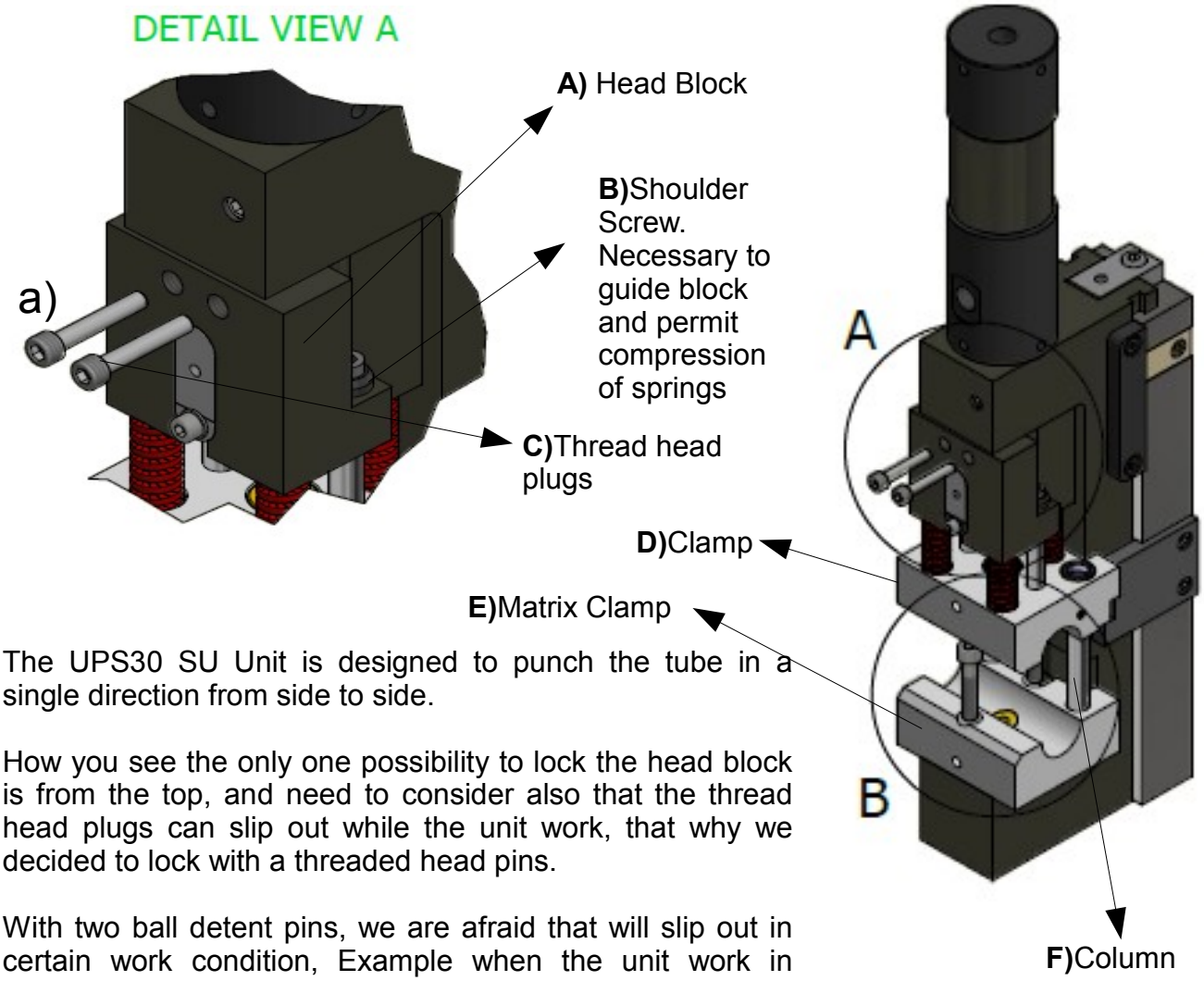
UPSU30-SINGLE PUNCH ENTER IN ONE WALL AND EXIT TO THE OTHER ONE IN A MATRIX



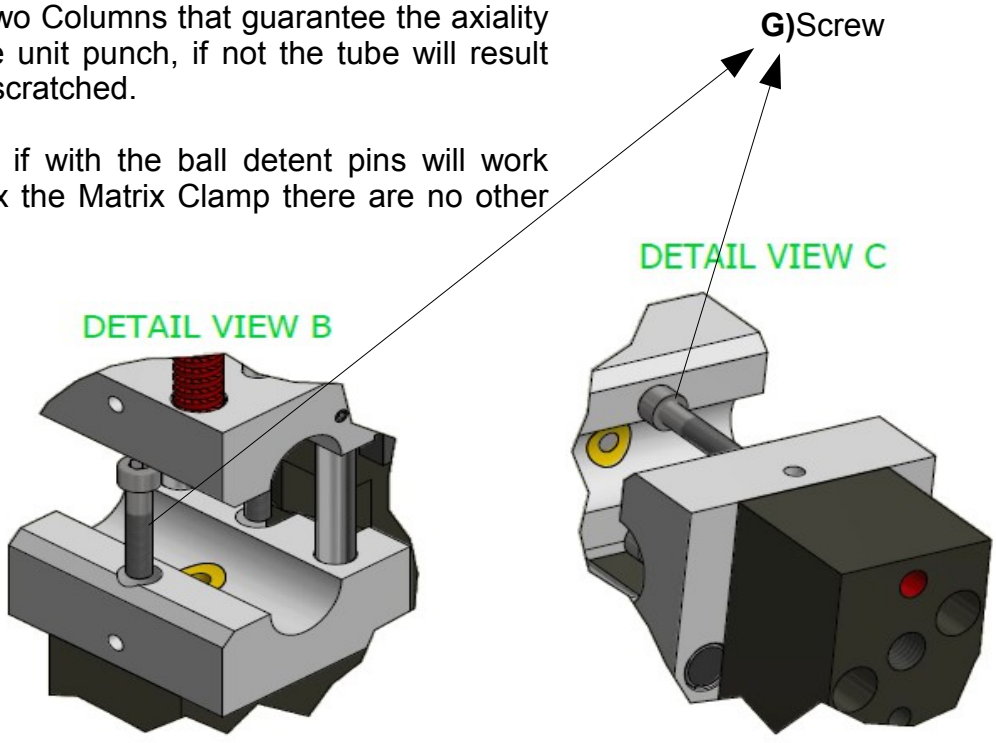
The UPS30 SU Unit is designed to punch the tube in a single direction from side to side.

How you see the only one possibility to lock the head block is from the top, and need to consider also that the thread head plugs can slip out while the unit work, that why we decided to lock with a threaded head pins.

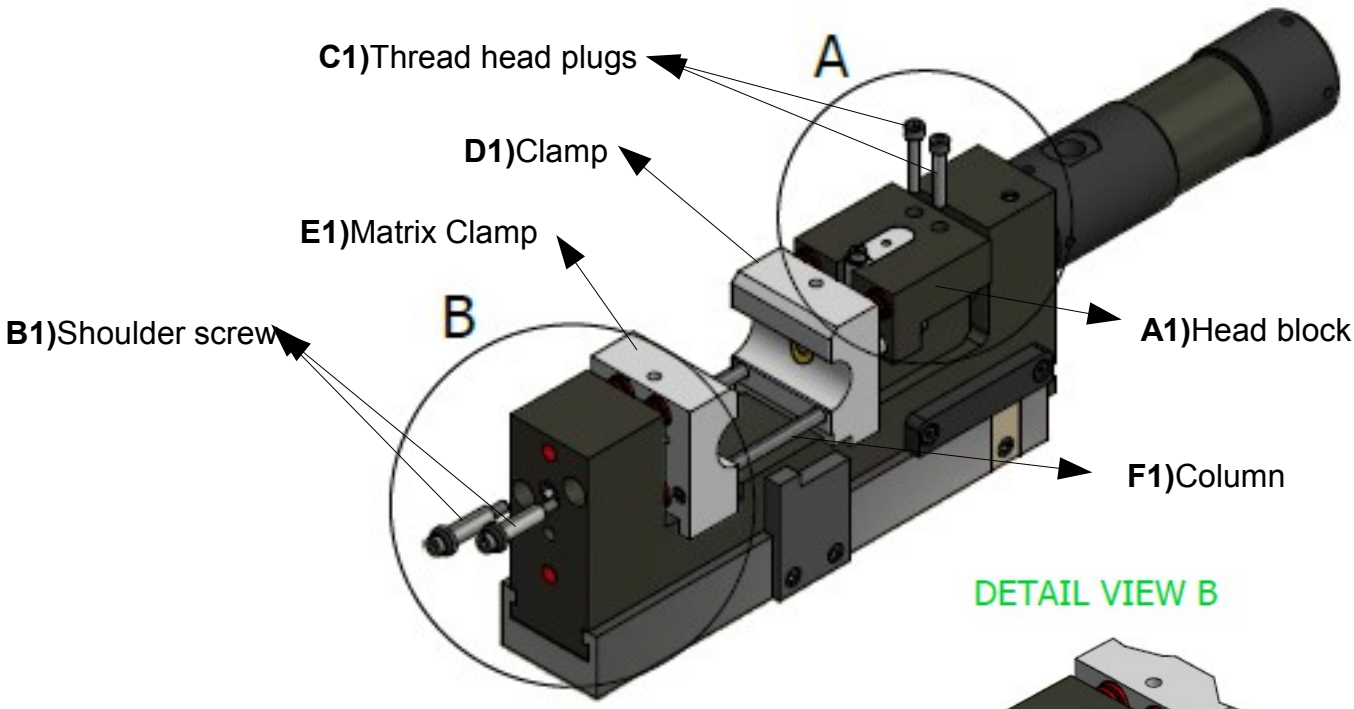
With two ball detent pins, we are afraid that will slip out in certain work condition, Example when the unit work in vertical mode.

In the other side the Matrix Clamp is fixed to the body by two screw, this is necessary to fix correctly the Matrix clamp, where are fixed the two Columns that guarantee the axiality of the tools while the unit punch, if not the tube will result deformed, signed or scratched.

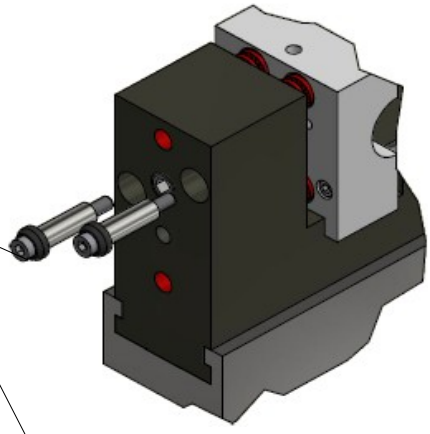
We can try and test if with the ball detent pins will work properly, but for to fix the Matrix Clamp there are no other possibility.



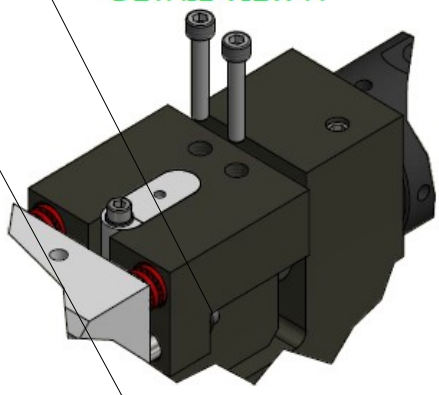
UPSD30-DOUBLE PUNCHES ENTER IN TWO OPPOSIT WALL

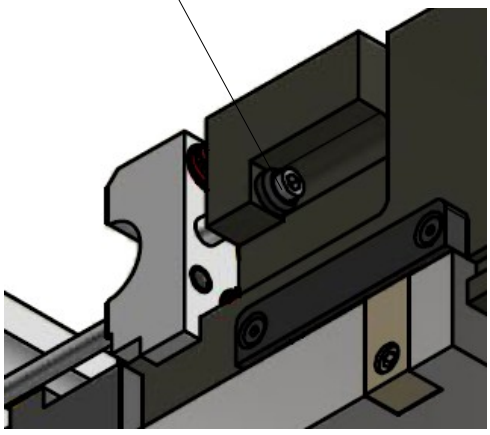


DETAIL VIEW B



DETAIL VIEW A





First consideration body and slide are the same for both types of units, (UPSU20 and UPDS20 / UPSU30 and UPDS30 etc..till to size 60)

The UPDS30 Unit is designed to punch the tube from double side direction.

This Unit is designed with a Self-centering concept

In our opinion it will be possible to use ball detent pins only for the head block see point **A)** and **A1),** and only for small size unit, but not for bigger dimension unit.
We think will be not possible to use it for flattening, end forming, swagging etc,..

We cannot find a good solution for to have a quick fasteners and maintain same condition and dimension of unit (for interchangeability with older model)

Which solution you discussed with the Client? Which solution you thought.