

Luciano Bosis

Luciano Bosis has produced a lock for his high-end intercepting-sear sidelock O/U shotguns in 12, 16, 20, 28 and .410.

Mr. Bosis changed what he thought needed to be changed and added new technical and cosmetic features to give his O/Us a cutting-edge design and the best possible quality.

The locks are produced in scaled 12, 20, 28 and .410 action.

Luciano Bosis new locks feature many big element of novelty (see picture 2):

- 1The bridle (2) rests over columns (1) machined integrally with the plate (3). The entire column can be threaded for the specially designed retaining Torx® screws making it much stronger than a screw just threaded into the thickness of the sidelock wall. Torx® screws hold a lot more than any other screw and help the bridle and the entire lock system stay in place regardless of the incredible vibrations developed while shooting. Furthermore the special star-headed Torx® screws reamed at 60° yield more contact area and do not get loose even after millions of vibrations caused by thousands of rounds.
- 2The only holes in the completely pinless locks are the threaded screw holes that go into the plate only halfway through. No exterior pin mars the engraver's canvas.
- 3The mainspring (5) is located above and behind the bridle (4) where it is less likely to move - an important feature in a pinless shotgun where the mainspring stud can go only halfway through the sidelock. The bridle is also a little longer than usual and slightly bent upwards to better contain and further stabilize the spring. This technical improvement is also a very distinctive cosmetic feature that allows every gun connoisseurs to immediately recognize the new Bosis locks. The gun maker proudly says: "It is the artist's touch and it looks nice...it is like a feather on a beautiful cap!"
- 4The mainspring hinge is further away from the safety sear (7) spring (6) than in any other lock built so far, thus allowing to use a more elastic spring and ensure better spring strength and resistance
- 5One mainspring (5) end is always engaged with the hammer which can rebound only to the extent the gun maker wants it to rebound

The following elements of novelty will help you understand how anal and fastidious Luciano Bosis was while creating his new O/U shotgun locks:

- 1Every operation carried out inside the locks to create the columns solid to the plate uses extremely small, high-resistance cutters the gun maker designed and had built specifically for that purpose. These cutters generate absolutely perfect cuts (zero tolerances) starting from the very first cutting operations.
- 2Luciano Bosis has selected the best possible materials to build his new O/U shotgun. The lockplates are in special alloy steel 18NiCrMo5 which is the best material for this part.
- 3The lock internal components are in 56NiCrV7KU, an extremely resistant steel that can be either flamed- or TAF-hardened and reaches HRC 48-65 and 1200÷1300 N/mm² resistance to traction.
- 4Springs are made in Belgium following Luciano Bosis's design and specifications.
- 5The gun comes with hand-forged chopper lump barrels made out of the new aerospace steel called "BOSIS ONE STEEL". The barrels are the perfect combination of old techniques, craftsmanship and new materials.

Every tube is accompanied by a quality certificate recording data about:

- 1steel production and delivery status;
- 2barrel forging and relevant tests;

3heat treatment and relevant tests

As barrels are really key in a shotgun Mr. Bosis works only with the best possible suppliers operating under extremely efficient Quality Control Systems and complying with the most strict international standards