What is V-COIL notch?

V-COIL notch is the new and innovative system for the installation of thread inserts without tang (tangless) from VÖLKEL.

Usually, threaded inserts are equipped with a tang, which is required for the installation of the insert and has to be removed from the threaded insert after installation.

With V-COIL notch, the threaded inserts do not have this tang. Instead, these inserts have small notches (driver notches) on the inside at both ends of the thread inserts. The V-COIL notch installation tool engages in these notches and holds the thread insert securely in place so that it can then be screwed into the holding thread.

Removal of the tang, which has to be carried out with conventional thread inserts after installation, is no longer necessary.

The brand new innovation level of the V-COIL thread insert technology is the optimal addition to the V-COIL product family.

VÖLKEL's tangless V-COIL notch thread inserts offer the same level of reliable thread reinforcement and thread repair as the well-known thread inserts type "S" and "SL", but without the risk of the tang getting lost and becoming a safety hazard.

Advantage: Installation speed

Due to the notches at both ends of the thread inserts, the very time-consuming screwing-in orientation and testing of the inserts before installation is no longer necessary.

After installing the inserts, there is no need to break off the tang and no need to search for and remove the tang. No vacuuming, no pulling out or counting the removed tenons!

Loose tangs cannot damage the finished product or foreign objects.

Especially for automatic installation in applications with large quantities, these are time-saving advantages.

Advantage: Flexibility

The position of the tangless inserts can be easily readjusted and the inserts can be removed again in the installation direction after the first installation with the installation tool, thereby never touching the application and preventing damage as with conventional removal methods.

Advantage: Safety

In sensitive application environments, it can be very dangerous if the broken tang of thread inserts enters this environment.

- Electrotechnical equipment: If the tang gets onto e.g. printed circuit boards or non-insulated cable clamping points, there is a risk of a short circuit.
- Machine gears or slideways: A driving pin can mechanically damage or even destroy these.
- Lines for liquids or gases (pipelines) as well as filter systems: Here, too, a driving pin introduced as an unwanted foreign body can cause great damage.

By dispensing with the driving tang, V-COIL notch avoids these hazards..