MAURER® Quick Replaceable Safety Socket

Protected by
US Patent No. US 12,111,184 B2
European Patent No. EP 4 088 090 B1
Chinese Patent No. CN 114981621 B
Patents Pending in India, Singapore and Japan

Improving on perfection: The quick replaceable MAURER® Safety Ingold Socket

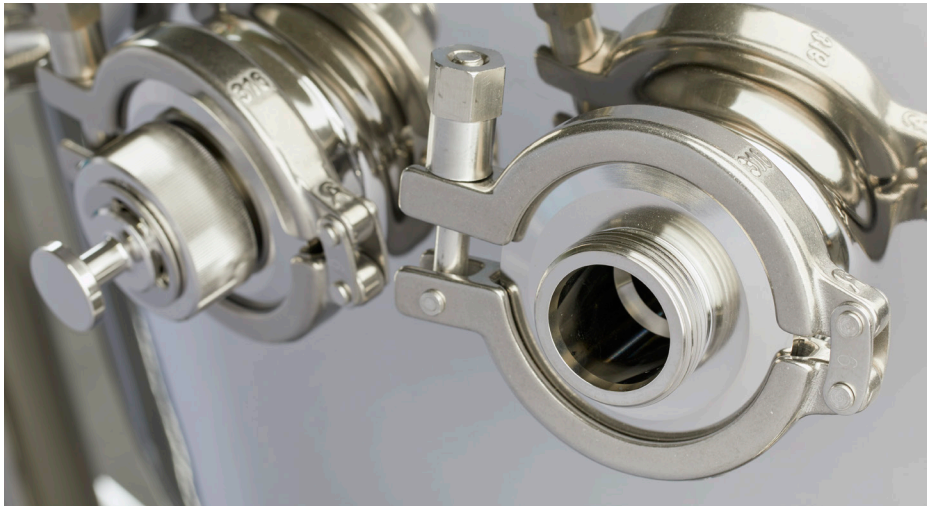
By taking a new approach, we have succeeded in turning the reliable Ingold socket into a component that meets the highest safety standards. It can provide our partners in the process engineering and, in particular, the bioprocess engineering industry with protection against major damage. The MAURER® Safety Ingold Socket unit is an innovative product with optimum roundness and surface quality direct from the factory that offers a number of significant benefits when compared with conventional welded-in safety Ingold sockets.

Until now, damage caused to a safety Ingold socket has inevitably resulted in a long production shutdown and considerable costs. This horror scenario for process manufacturing plants, above all those working with biotechnology applications, has now become a thing of the past.

The newly developed MAURER® Safety Ingold Socket can be replaced quickly, easily and without using tools.

If you choose the new MAURER® Safety Ingold Socket, shutdowns in your company will be so short in the future that they will hardly be worthy of the name.





unique quality. swiss made.

Significant benefits in comparison with conventional safety Ingold sockets.

It is not always possible to avoid defects in Ingold sockets, even if they are handled with care. The following types of damage are the most common:

→ Damage to the central sealing surface when fitting or removing retractable assemblies
→ Damage to the external thread of the Ingold socket
→ Cold welding of the union nut on the retractable assembly or the blind plug

If a conventional welded Ingold socket has to be replaced, the inevitable consequence is a long production shutdown. By contrast, the new MAURER® Safety Ingold Socket unit can be replaced very quickly without complex and time-consuming work on the product vessel.

Our innovative product offers further benefits:

Optimum sealing

Conventional sockets have to be reamed manually after welding to the tolerance of 25 H7. Our components are perfectly manufactured and, from the factory, they comply with the tolerances for surface quality and roundness. In addition, the O-ring of the blind plug or retractable assembly seals the entire 25 H7 hole evenly. The optimum surface quality also results in much less friction on the O-ring during the assembly process.

Considerable flexibility

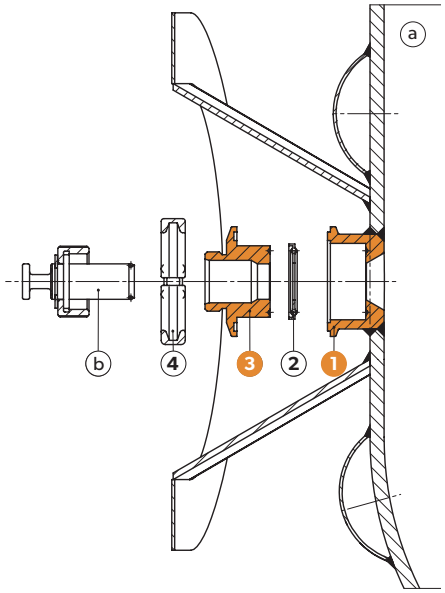
Our innovative product can also make your production process more agile. The MAURER® Safety Ingold Socket unit can be replaced at any time with another adapter, such as a TC ferrule or a special customer-specific socket (CIP nozzle, dip tube, etc.). You can enjoy the benefits of much shorter interruptions and the resulting increase in productivity.

The MAURER® Safety Ingold Socket unit

The new generation of safety Ingold sockets consists of only two individual parts and two standard TC products. All of the components are larger than the internal diameter of the weld-in adapter and therefore cannot find their way into the process chamber by accident.

The positive-locking tongue-and-groove connection of the MAURER® weld-in block flange and the replaceable MAURER® Safety Ingold Socket ensure precise centering.

No bolts, nuts or other retaining elements or clamps are needed for the assembly and removal of the components.



Structure of the MAURER® Safety Ingold Socket unit

1. **MAURER® weld-in block flange (0° or 15°)**
2. Standard Tri-Clamp seal with lip
3. **Replaceable MAURER® Safety Ingold Socket unit**
4. Standard Tri-Clamp safety clamp

a Process chamber
b Safety Ingold blind plug

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We will be happy to provide you with more information about our new products.
You can contact us at any time.

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