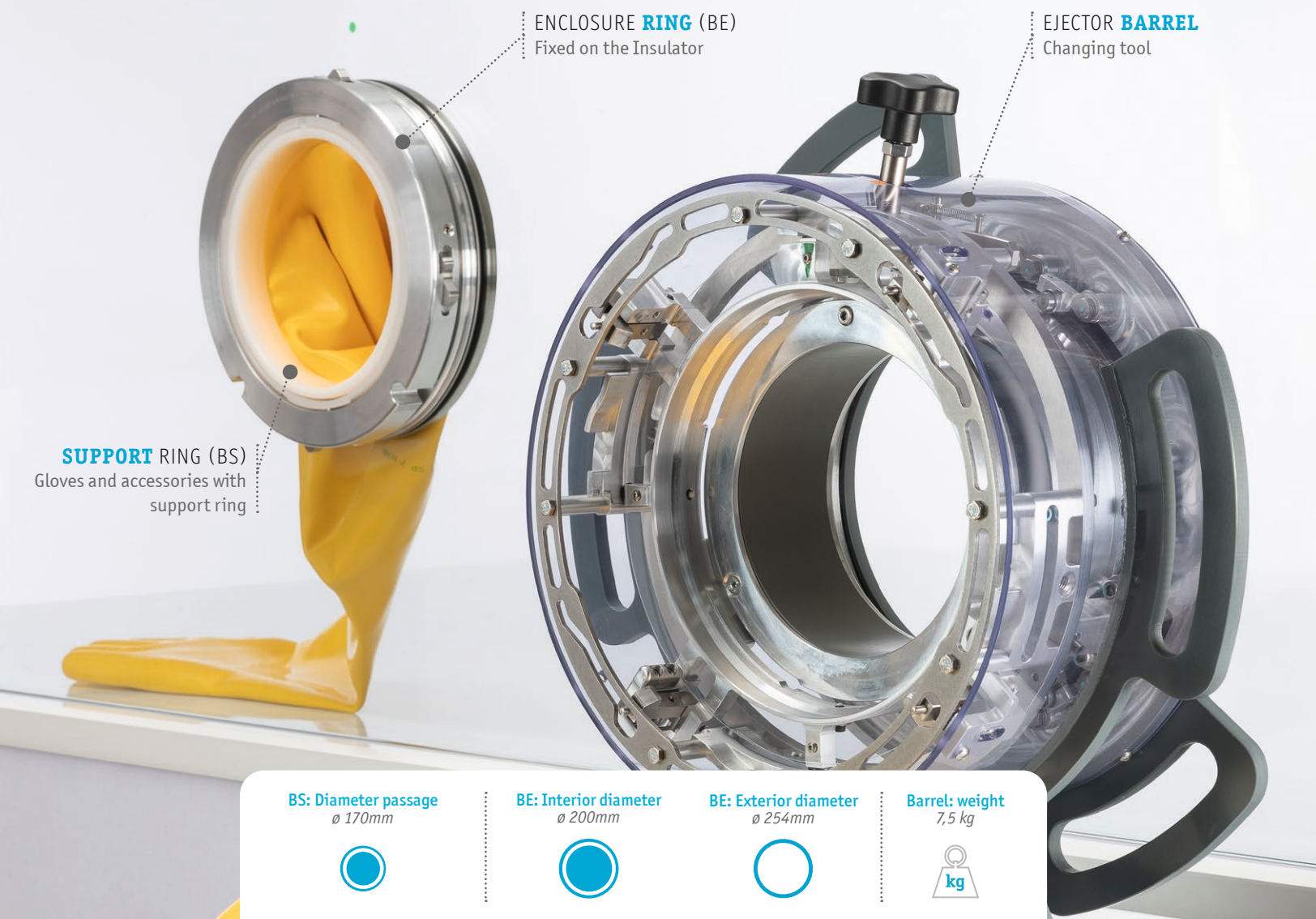




# STIC system

Change your **gloves** and **accessories** quickly and easily in complete **safety**





## The STIC system of Piercan

PIERCAN drybox gloves protect operators and products from irreversible risks. To change a drybox gloves in complete safety, the STIC system integrates its own mechanical system of secure immobilization of the interchangeable element thanks to the locking crown and the secure ejection barrel. The STIC system is available in version 22 EUR.



The STIC system, allows the installation of an interchangeable element such as a glove, a bag, an obturator, a bellows or any other accessory of a Support Ring (BS), while keeping the tightness with the Enclosure Ring (BE), itself fixed in a tight way on the containment.

The STIC system is the result of a collaboration between IDEALEX and PIERCAN, which allowed for the development of the all-safety barrel, the enclosure ring with immobilization mechanism and the ejectable support ring.

This invention is patented under the publication number FR 2 944 380 (PCT/EP2010/054655).



The STIC system is one of the three nominated for the WNE awards in the category Nuclear Safety

# Improved uses in operation

*The STIC system has been developed to improve security, user protection, increase ease of use and reduce costs.*



**1 • Position the BS** in the barrel, respecting the alignment of the marks.



**2 • Position the barrel on the BE**, respecting the alignment of the marks. The lever is now in position I.



**3 • Lock the barrel** by moving the lever to the vertical position (position II).



**4 • Replace the BS** by turning the wheel clockwise with the handles until it stops. The SB and its used accessory are ejected into the glove box. The new BS is immobilized.



**5 • Remove the barrel** by moving the lever to the right (position III). Remove the barrel, the change is complete.

# The **Performances** of Piercan STIC ring



## IMPROVED **SAFETY**

*The unitary check of the elements, the double sealing and the mechanical locking of the support ring, allow to improve the safety of the device and the handling*



- **Reliability:**  
integrity check of each support ring with its accessory before delivery.
- **Perfect containment:**  
sealing continuity when changing the support ring in the enclosure ring.  
A double sealing thanks to the two lips.
- **Locking system:**  
a mechanical locking of the support ring with 4 locks that prevent the movement and ejection of the support ring.



## **OPTIMIZATION** IN OPERATION

*The speed, ergonomics, ease and control of changeover significantly optimize the operation*



- **Speed:**  
glove or accessory change in less than 20 seconds.
- **Ergonomics:**  
easy to handle.
- **Facilitate:**  
thanks to the visual markings and locators to ensure the correct positioning of the support ring and the barrel.
- **Visual control of the barrel lever:**  
logical sequence of positions I, II, III.



## COST **REDUCTION**

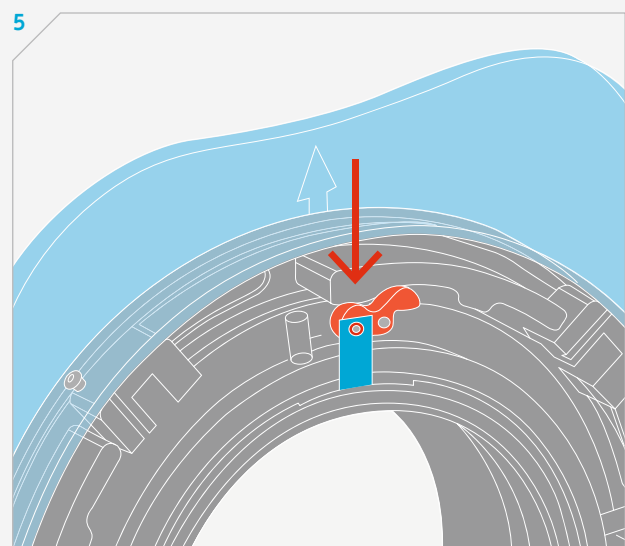
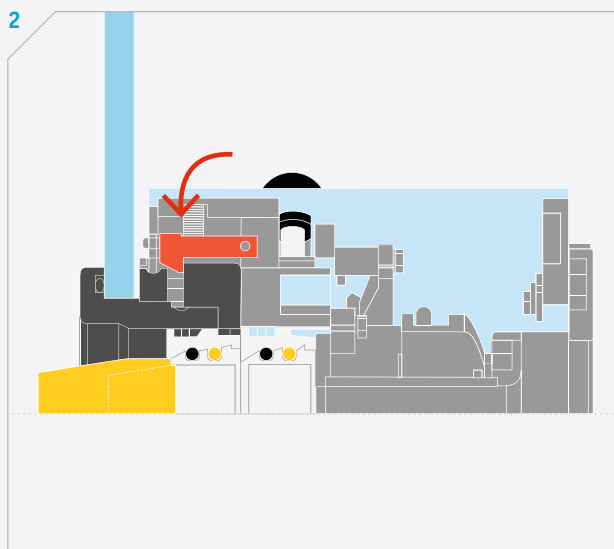
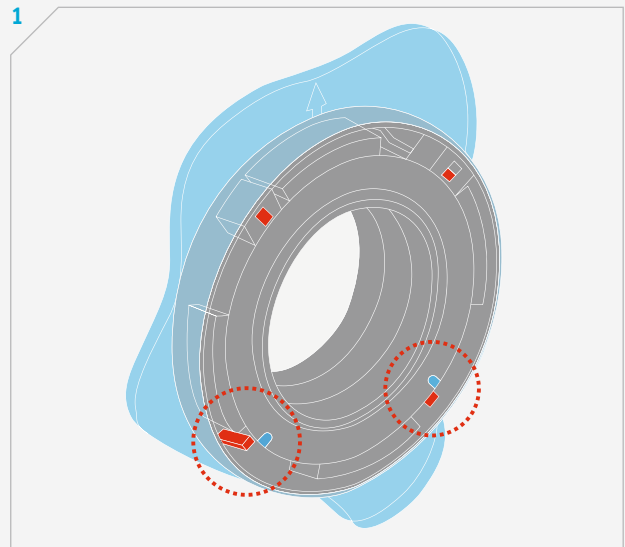
*The elimination of the retaining ring, the reduction in the cost of the glove and the complete integration of the STIC system generate an overall saving.*



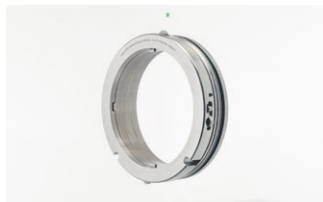
- Removal of the retaining ring, used on traditional glove changing systems.
- Mounting the gloves on a support ring allows for greater tolerance on the thickness of the bead, which reduces manufacturing costs.
- A single manufacturer, from the manufacturing of the glove and accessories to the assembly on the support ring.

## PIERCAN'S STRENGTHS

- **Inadvertent error prevention and indexers (fig.1)** facilitate the positioning of the barrel on the enclosure ring.
- **The docking latches (fig.2)** allow to lock the barrel which remains held on the enclosure ring.
- **Flywheel backstop (fig.3)** to ensure continuity of the sealing during the rotation of the steering wheel. This means that the user is obliged to carry out a complete change.
- **A double seal (fig.4)** between the support ring and the enclosure ring is ensured by two lips of the support ring.
- **Locking of the support ring (fig.5)** with 4 locks that prevent the movement and ejection of the support ring.



# Ejector **barrel** and **BE** enclosure Ring



IDEALEX manufactures the enclosure ring (BE) and the barrel under PIERCAN license and distributes them in France. PIERCAN manufactures and distributes the support ring (BS) with glove, bag, obturator, bellows or other accessories in France and distributes the STIC system (barrel, BE and BS) in the international market.

## Accessories available on **BS** support ring



PIERCAN applies the EN 421 standard corresponding to protective gloves against ionizing radiation and radioactive contamination. Therefore, each accessory and glove mounted on the support ring is locked to the enclosure ring for inspection.



GLOVES



SHUTTERS



BAGS

And also ...



BELLOWS



PORTHOLE

Different materials of drybox gloves mounted on support rings are available

- Choice of materials for gloves



CSM



BHP/Eb-Chimie

BHP/Eb-Tritium



EPDM black



EPDM black / EPDM white



Néoprène



Polyuréthane



Polyuréthane / CSM



Polyuréthane radioprotégé

Compatible gloves correspond to the references used on the RG (Rond de Gant) 156 mm and 186 mm.



### A QUESTION OR IN NEED OF INFORMATION?

Please do not hesitate to contact our sales team by phone or email. Piercan's services and products are only one call away:



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