R-Blade is the new technical solution developed and patented by Safran Electronics & Defense, that revolutionizes the opening of the reserve container. Incorporating notably the French SMTCOPS parachutes, this innovative solution is part of our global approach: surpassing ourselves to continue to improve the safety of paratroopers.

On a conventional military parachute, the Reserve Ripcord Handle is connected to the locking pins carried by the LOR lanyards. It is now connected to the R-Blade, the outer side of which is integrated into the top reserve container flap. The curved pins, which close the reserve container with the double locking loops, are positioned on the outside of the solution.

Action on the ripcord handle exerts a direct pull on the R-Blade by sliding its two blades to cut the double locking loop of the reserve container. The R-Blade technology ensures a constant pull force for activating the reserve ripcord, regardless of the tension in the double locking loop. Variations in folding volume are no longer a factor affecting the reliability and maintainability of the reserve container.

This technological breakthrough thus guarantees the correct opening of the reserve container, in all conditions.

SMTCOPS = Système de mise à terre des chuteurs opérationnels
LOR = Libération Ouverture Réserve (Reserve Release Opening)
CHARACTERISTICS

Range of use in temperature

\([-55^\circ C; +85^\circ C]\) following PIA TS-135 Rev1.4 et GUIDE S-CAT N°11407 ENVIRONMENTS ENCOUNTERED BY AIR TRANSPORT EQUIPMENT 1st edition

Resistance to Salt Spray

96h following RTCA DO-160 F Environmental Conditions and Test Procedures for Airborne Equipment - Section 14.0 - Salt Spray

Pull up Force applied to ripcord

Between 5 and 8 daN

Handle to cut reserve loops

No compromise on performance and safety