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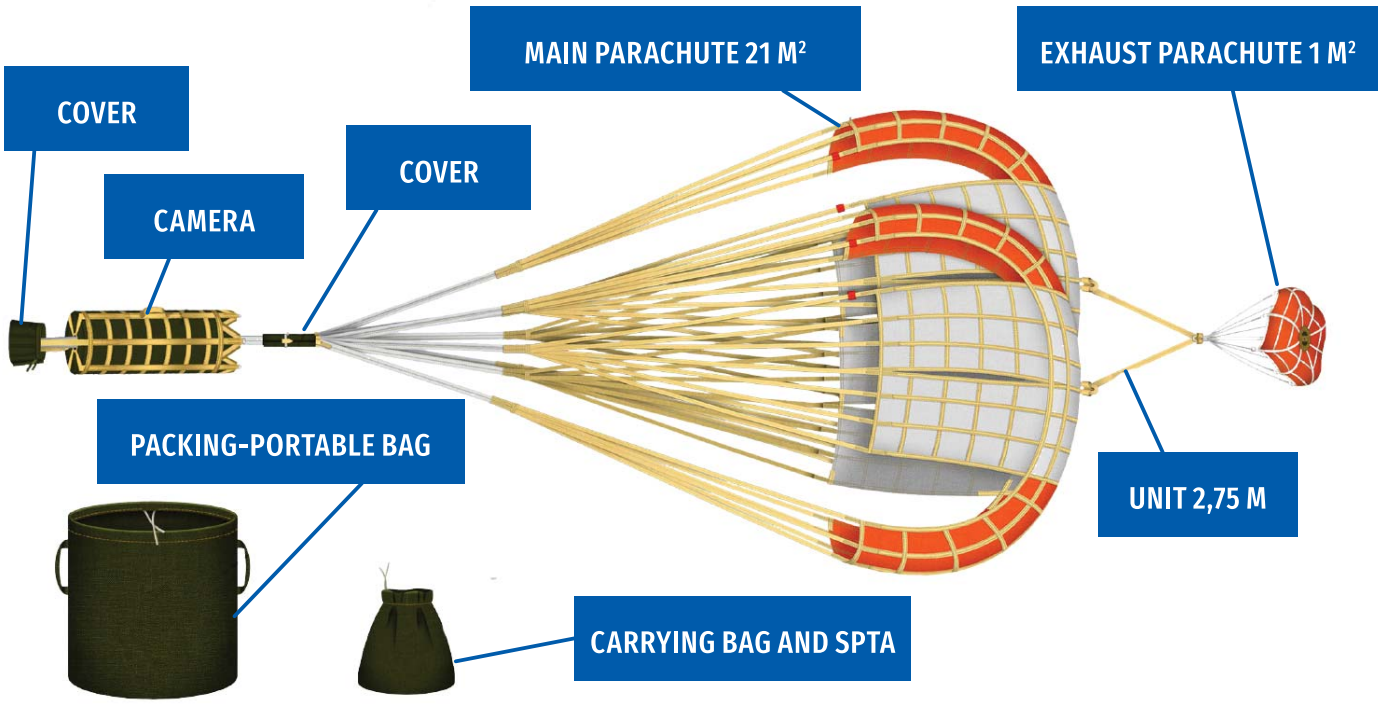
National Association of Ukrainian Defense Industries

Limited liability company
"Scientific-production Enterprise
"AVIATION SYSTEMS OF UKRAINE"

PARACHUTE BRAKING SYSTEM PTK-25SK (SU-25)



The system provides inhibition of an aircraft during landing at speeds of its commissioning at least 160 km/h and no more than 285 km/h.

In this case, the maximum operating load does not exceed Rmax 153544 H (15652 Krc).

The assigned resource of the parachute system is 50 applications.

The service life of the parachute system is 8 years.

The weight of the parachute system is not more than 20 kg. The volume of the parachute system is no more than 42 dm^3. Time of laying the parachute system with the press for more than 10 minutes, manually - no more than 20 minutes.

Scheme of work:

The parachute system is deployed by the pilot after touching the runway by the main wheels of the aircraft. At the moment the cap is released of releasing the cap from the parachute container of the aircraft, the cone spring of the exhaust parachute straightens and enables the second exhaust parachute, which extracts the main parachute of its camera. Inflated main parachute resists aircraft movement and reduces the length of its run along the runway.

Operating instructions:

Disconnection of the parachute system from the aircraft is made by the pilot after the end of the braking process at the edge of the runway or on the taxiway.Dragging of parachute system on the runway is not allowed. After its disconnection parachute system should be collected immediately.

Storage instructions:

The parachute system is allowed to be stored in a bag in a dry and well-ventilated room. Humidity should be in the range of 30-80%, temperature -30 to + 30°C. Exposure to direct sunlight and moisture is not allowed during storage. During storage the system must be repacked, shaked up and ventilated at least once in 6 months. If installed in the aircraft located in the field system should be protected from moisture and be repacked, shaked up and ventilated at least once in 3 months.

Materials:

Parachute system is made of high-modulus pare of aramid fibers using the modern materials of Ukrainian and foreign production.

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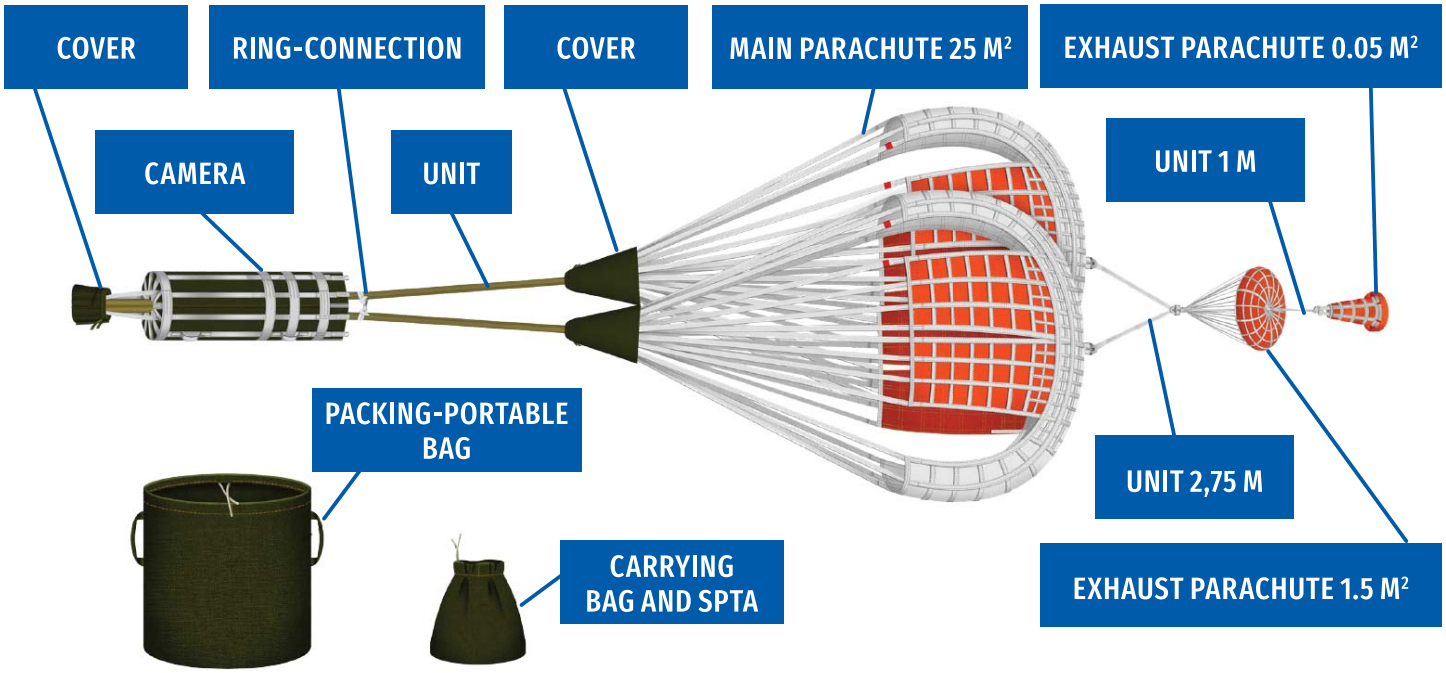
PARACHUTE BRAKING SYSTEM PTK-10240-65 SERIES 2 (MIG-25/MIG-31)



The system provides inhibition of an aircraft during landing at speeds of its commissioning at least 200 km/h and no more than 330 km/h.

In this case, the maximum operating load does not exceed Rmax 225553 H (23000 Krc).

The assigned resource of the parachute system is not less than 30 applications.

The service life of the parachute system is 12 years.

The weight of the parachute system is not more than 52 kg. Overall dimensions of the parachute system in the folded state: diameter 0,31 m, height 1,3 m.

Time of laying the parachute system with the press for more than 10 minutes, manually - no more than 20 minutes.

Scheme of work:

The parachute system is introduced by the pilot after touching the runway with the main wheels of the aircraft. The spring of the exhaust parachute is pushed out and put into operation, when opening the lid of the parachute container of an airplane. Exhaust parachute, filling up, extracts basic parachutes (2 units). Filled main parachutes resist aircraft movement and reduce the length of its run along the runway.

Rules of exploitation:

The separation of the parachute system from the aircraft is carried out by the pilot after the end of the braking process at the edge of the runway or on the steering track. The parachute system is not allowed to run along the runway or the track. The assembly of the parachute system after its disconnection is carried out immediately. After application, the system must be shaken. To dry, when it wet. The drying is carried out in the open air in the shade or indoors at a temperature not higher than +70°C. The system, which is impregnated with kerosene during operation, is ventilated outdoor shed at least 24 hours.

Rules of storage:

The parachute system is allowed to be stored in a bag. In a dry, well-ventilated room. The relative humidity of air should be in the range of 30-80%, temperature from -30 to +30°C. Getting to the system of direct sunlight and moisture is not allowed during the storage. The system, which is stored in the warehouse, must be rebuilt, shaken and ventilated at least once in 6 months. The system, installed in an airplane, which is located in the field and in all climatic conditions, provided it is protected from moisture to rebuild, shake and ventilate the system at least once in 3 months.

Materials:

Parachute system is made of high-strength fibers impregnated with flame-resistant using modern Ukrainian and foreign materials.

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