



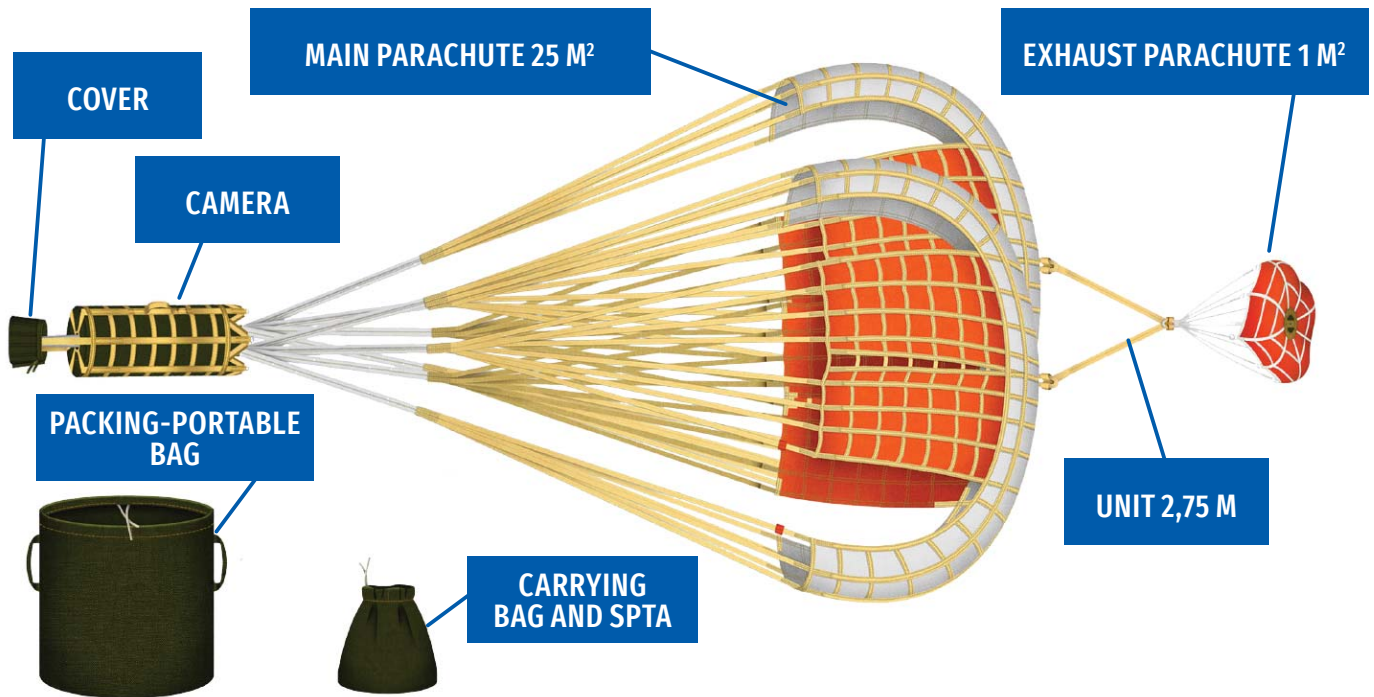
NAUDI

National Association of
Ukrainian Defense Industries



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

PARACHUTE BRAKING SYSTEM PTK-10SK (SU-27/SU-30)



The system provides inhibition of an aircraft during landing at speeds of its commissioning at least 180 km/h and no more than 300 km/h.

In this case, the maximum operating load does not exceed $R_{max} 193500 H (19700 Krc)$.

The assigned resource of the parachute system is 50 applications.

The service life of the parachute system is 5 years.

The weight of the parachute system is not more than 24 kg. The volume of the parachute system is no more than 58 dm³. 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, shaken 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, shaken 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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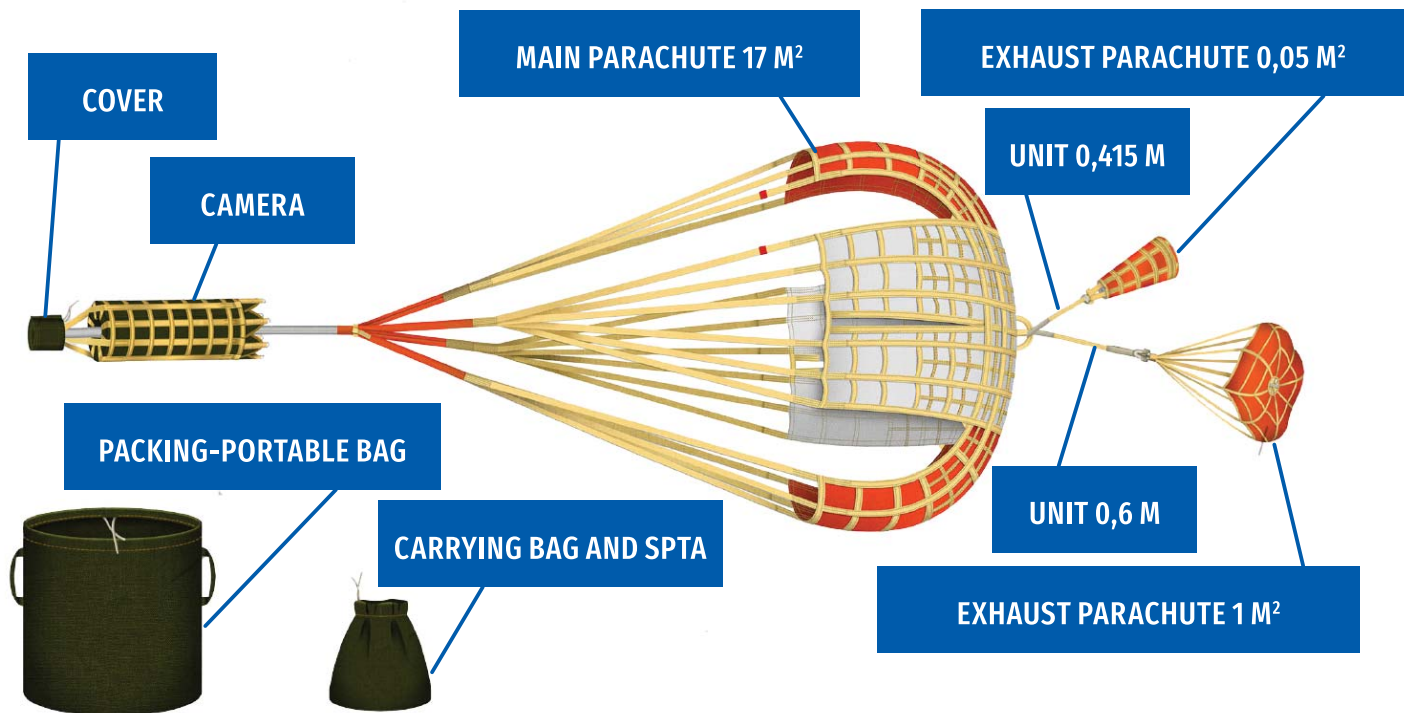
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PARACHUTE BRAKING SYSTEM PTK-29SK (MIG-29)



The system provides speed suppression of an aircraft during landing and is deployed at velocity not less than 180 km/h and up to 300 km/h.

Maximum operating load does not exceed R_{max} 61656 H (6285 Krc).

Assigned life of the parachute system is 30 applications. Calendar life of the parachute system is 8 years.

Weight of the parachute system is not more than 8 kg.

Overall dimensions of the parachute system in the folded state: diameter 0,17 m², height 0,7 m.

Time of folding of the parachute system using press not more than 10 minutes, manually not 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 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, shaken up and ventilated at least once in 6 months. If installed in the aircraft located in the field the system should be protected from moisture and be repacked, shaken up and ventilated at least once in 3 months.

Materials:

Parachute system is produced, using high-modulus of paramid fibers, as well as other modern Ukrainian and foreign materials.



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