

Technical specification

Parachute brake systems PBS-10CK

Parachute brake systems PBS -10CK- designed for shortening landing ground roll of Su-27 aircrafts at landing or interrupted take-off Su-27 after landing.

Requirements for the composition of the Parachute brake systems PBS -10CK.

The composition of 1 set of PBS -10CK includes:

- vent parachute 1 m² - 1 pc.
- parachute 25 m² - 2 pcs.
- case - 1 pc.
- chamber - 1 pc.
- bind strop - 2 pcs.
- ring - 2 pcs.

Spare parts (per 5 system):

- vent parachute 1 m² - 1 pc.
- case - 1 pc.
- bind strop - 2 pcs.
- ring - 20 pcs.

Repair materials (per 5 system):

- Tape LTsvm-48-6000, length 2 m.
- Tape LTsvm-25-1600, length 5 m.
- Tape LTsvm-25-1000, length 3 m.
- Threads SVM 118t, weight 0,005 kg.

Requirements for staffing tools and accessories:

- vent rope - 1 pc. per 5 set.
- vent rope - 1 pc.
- tube - 1 pc. per 5 set.
- cotton yarn 15,4 tex x 6 x 3 PP length 0.15 m - 50 units. per 1 set.
- cord SHKP-120 length 2 m. - 1 unit per 1 set.
- needle 1-11 - 1 unit per 1 set.

Set of packing:

carrying bag (size 1110x974 mm) - 1 unit per 1 set.

Basic technical requirements:

- to ensure reliable operation at landing speeds of 185 to 300 km / h;
- weight of PBS-10CK not more than 23 kg;
- dimensions of PBS-10CK in packed condition: diameter – 0,33 m., height – 0,78 m;
- packing of the parachute system PBS -10CK with a press - not more than 10 min., manually - no more than 20 minutes;

- parachute system PBS -10CK is operational in service of Su-27 at a temperature in the container of parachute system from - 60° to + 80°C;
- joining of PBS-10CK to the Su-27 is carried out by regular assembly of the Su-27;
- parachute system PBS -10CK is activated when open the flap of the parachute container.

Service life and guarantees:

- specified lifetime of the parachute system PBS-10CK – not less 10 years (including storage and transportation);
- assigned resource – not less 50 applications;
- warranty period in accordance with passport data of the manufacturer, but not less than 24 months;
- Warranty life - 50 applications at landing speeds of 185 to 300 km/h

Requirements for the supply:

Parachute brake system PBS -10CK complies with category 1 and supplied with operational documentation:

- passport - 1 unit per 1 set;
- blank passport - 1 unit per 10 sets;
- instruction manual - 1 copy per 10 sets.
- Parachute brake system PBS -10CK is delivered in manufacturer's package, quality of the parachute system meets technical requirements.

Year of manufacturing: 2016.