

Technical specification
Parachute brake systems PBS-10240-65 series 2

Parachute brake systems PBS-10240-65 series 2 - designed for shortening landing ground roll of MiG-31 aircrafts at landing or interrupted take-off after landing.

Requirements for the composition of the Parachute brake systems PBS-10240-65 series 2

The composition of 1 set of Parachute brake systems PBS-10240-65 series 2 includes:

- vent parachute 1.5 m² - 1 pc.
- vent parachute 0.05 m² - 1 pc.
- cruciform parachute 25 m² - 2 pcs.
- vent rope - 1 pc.
- protective case - 2 pcs.
- chamber - 1 pc.
- bind strop – 1 pc.
- case - 1 pc.
- element – 2 pc.
- bind strop – 2 pc.
- bind strop – 1 pcs.
- cord packing ring - 2 pcs.
- bundle ring – 1 pc.

Requirements for staffing tools and accessories:

PBS-10240-65 series 2 staffed with:

- cord SHTKP-12-450 length 2 m. - 1 unit per 1 set;
- cord SHHB-125 length 1.5 m. – 1 unit per 1 set;
- cotton yarn 1200 mm - 4 units per 1 set;
- needle 1-11 - 1 unit per 1 set;
- ramrod 1 unit per 10 sets;

Requirements for spare parts:

1. vent parachute 0.05 m² - 2 pcs per 1 set
2. bind strop (L=1m) – 1 pc. per 5 sets
3. vent parachute 1.5 m² - 2 pcs. per 5 sets
4. bind strop (L=2.75 m) – 2 pcs. per 5 sets
5. chamber - 1 pc. per 1 set
6. bind strop (L=1.5 m) – 1 pc. per 5 sets
7. protective case - 2 pcs. per 5 sets
8. element – 2 pcs. per 5 sets
9. bundle ring – 1 pc. per 1 set
10. cord packing ring – 4 per 1 set

Basic technical requirements:

- to ensure reliable operation at landing speeds of 200 to 330 km/h;
- to withstand the maximum load on the fixing unit of PBS-10240-65 series 2 to the aircraft up to 23,000 kgs;
- the time spread of activating of the parachute system not longer than 1.5 sec;
- parachute system PBS-10240-65 series 2 is operational in service of the MiG-31;
- parachute system can be stored at relative humidity of 30-80% and temperature range from -30 °C to + 30 °C;
- parachute system PBS-10240-65 series 2 is transported by any mode of transport at any distance, without limitation, speed and altitude;
- packed parachute system PBS-10240-65 series 2 is convenient to carry and deliver to the MiG-31;
- joining of PBS-10240-65 series 2 to the MiG-31 is carried out by regular assembly of the MiG-31;
- parachute system PBS-10240-65 series 2 is activated when open the flap of the parachute container;
- parachute system PBS-10240-65 series 2 weight - not more than 52 kg;
- dimensions of PBS-10240-65 series 2 in packed condition: diameter – 0,31 m., height – 1,3 m;
- packing of the parachute system PBS-10240-65 series 2 with a press - not more than 10 min., manually - no more than 20 minutes.

Service life and guarantees:

- specified lifetime of the parachute system PBS-10240-65 series 2 – not less 12 years (including storage and transportation);
- assigned resource – not less 30 applications;
- warranty period in accordance with passport data of the manufacturer, but not less than 24 months.

Requirements for the supply:

The supplied Parachute brake system PBS-10240-65 series 2 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-10240-65 series 2 is delivered in manufacturer's package, quality of the parachute system meets technical requirements.

Year of manufacturing: 2016.