



Delivery of Su-27 / Su-27UB

COMMERCIAL OFFER

Su-27 (Su-27UB) aircraft



Designation:

Supersonic all weather fighter Su-27 (Su-27UB) is designated for keeping the advantage in the air, hitting the enemy in distance missile and close maneuvering combats; hitting surface and navy forgets and for training and improvement of flight crew skills. The aircraft can be operated from concrete runaway.

Main performance data:

Description	Parameters Su-27	Parameters Su-27 (UB)
Crew members	1	
Normal takeoff weight , kg	23 000	24 000
Maximal speed of level flight, without missiles, near the ground, km/h	1 400	1 400
Practical roof, m	18 500	17 500
Maximal flight range, km:		
– at altitude 200 m	1 400	1 270
– at cruise altitude	3 900	3 000
Maximal operational overload, units	8,5	8,5
Minimal speed of level flight at altitude less than 6000 m, km/h	200	200
Main geometrical data, m:		
– length;	21,9	21,9
– wing span;	14,7	14,7
– height	5,93	6,36
Power plant:		
– AL-31F bypass afterburning turbofan engine, pcs	2	2
– thrust of one engine in “Full afterburner” mode, kg	12 500	12 500
– thrust of engine in “Augmented minimal rating” mode, kg	8 450	8 450
– thrust of engine in “Maximal” mode, kg	7 820	7 820

Main combat missions of the aircraft:

- Interception of air targets in free space and against the ground, round-the-clock in simple and complicated weather conditions;
- Conduct of maneuvering dogfight;
- Destruction of visual ground and sea surface targets.



For air targets:

- Guided missiles of intermediate range R-27R1, R-27ER1 with RGHH, R-27T1 and R-27ET1 with TVGHH;
- Missiles for maneuvering dogfight R-73E with TVGHH;
- Gun GSh-301 with ammunition of 150 bullets;



R-27R



R-27T



R-73



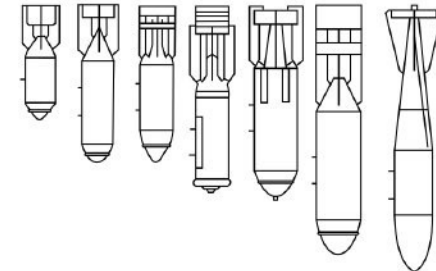
GSh-301

For ground targets:

- Unguided missiles type S-13 in units B-13L;
- Unguided missiles type S-8 in units B-8M;
- Free falling aerial bombs 50, 100, 250 and 500 kg;
- Single bomb cassettes RBK-500;
- Gun GSh-301.



B-13L



AB 50, 100, 250, 500

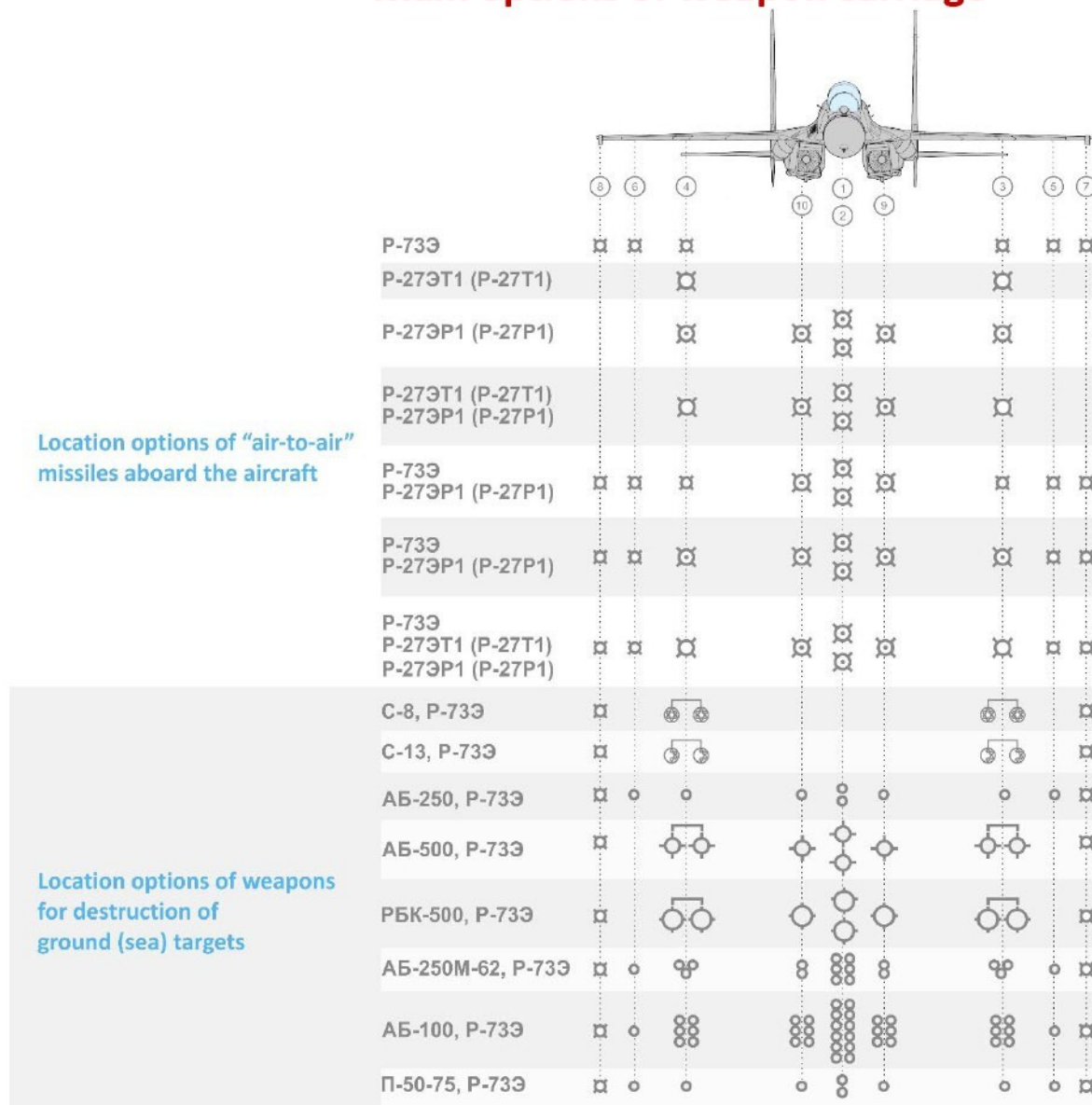


B-8M



RBK-500

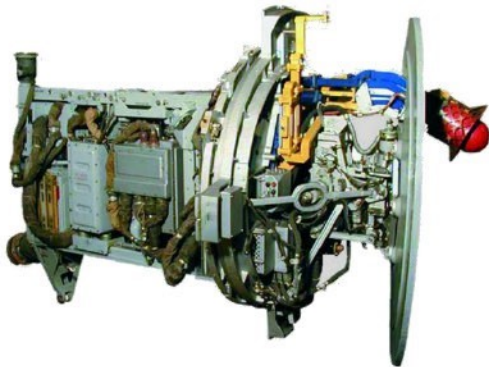
Main options of weapon carriage



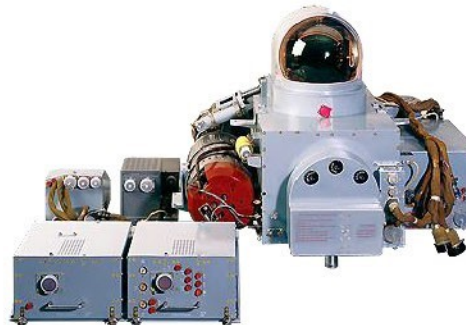
Main characteristics of weapon control system (WCS) S-27ПЕ

Composition of WCS:

- Radar sighting system RLPK-27PE;
- Optronic system OEPS-27K;
- System of single indication (SSI) "Roza";
- Friend-or-for identification system;
- Weapon control system.



RLPK-27PE



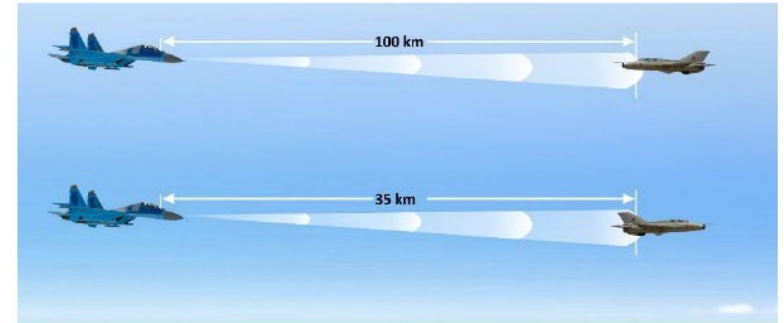
OEPS-27K



**ILS-31, being part of
SSI "Roza"**

Main performance data of weapon control system:

1. Acquisition range of RFCS for targets type MiG-21 (RCS 3 m²) at average altitudes (over 1000 m),
 - Into front semi-sphere, km 80-100:
 - Into rear semi-sphere, km 25-35.



Air targets acquisition range at average altitudes (over 1000 m) :

- Into front semi-sphere, km 65-80;
 - Into rear semi-sphere, km 25-30.
2. Acquisition range by OEPS-27K of air targets with two engines:
 - Into rear semi-sphere, km up to 100;
 - Into front semi-sphere, km around 10.

Targets lock-on range by OEPS-27K – around 70% out of acquisition range.



S/N	Denomination	Date of manufacture	Date of overhaul	Flight hours since new	Flight hours since 1 st overhaul
1	Su-27	13.02.90	30.12.2006	967	360
2	Su-27	03.04.91	23.03.2007	727	285
3	Su-27	03.04.91	19.03.2007	831	347
4	Su-27	03.04.91	14.04.2007	584	260
5	Su-27	11.04.89	31.07.2006	548	270
6	Su-27	25.01.90	31.07.2006	767	191
7	Su-27	03.04.91	—	295	—
8	Su-27	03.04.91	—	228	—
9	Su-27	13.02.90	25.11.2006	985	376
10	Su-27UB	29.08.88	18.04.2003	1167	496
11	Su-27UBM1	29.12.87	31.01.2007	752	429

Prices:

S/N 1-9: 19, 735,000 EURO

S/N 10-11: 20,132,000 EURO

Pre-export preparation of Su-27 (Su-27UB) aircraft

Production facilities, available equipment and documentation, enterprise personnel's skills meet the requirements of designer's normative technical documentation for carrying out different types of repairs of Su-27 (Su-27UB) aircraft and their components, allowing to implement the full cycle of repair at the premises of the enterprise.

Aircrafts pre-export preparation is conducted in the scope of overhaul.

Technical state of aircraft, their aggregates and component items after overhaul will conform to the requirements of effective overhaul and operational documentation.

STAGES OF Su-27 (Su-27UB) AIRCRAFT OVERHAUL



After completion of pre-export preparation, the aircraft will be established time until next overhaul of 1000 flight hours within service life of 10 years.

Engines will be established life of at least 350 hours, 7 years.

At the time of delivery, the aircraft will receive warranty of 12 months or 100 flight hours (whichever comes first) for the aircraft, systems and aggregates.

