

# **MIG-29SD**



**HAS NO EQUAL  
IN AIR COMBAT**

**The MIG-29 aircraft  
is operational  
in 22 countries worldwide**

**Developed, produced in quantity  
and supplied by the  
MAPO "MIG"**



## MIG-29SD



**The MIG-29SD** is a light fighter optimized for gaining air superiority and for fighting a close maneuverable air combat

It is capable of killing air targets:

- at any time of day and night;
- in any weather conditions;
- in free space and against the earth background;
- in active and passive jamming environment.

It also has capability to destroy ground (water surface) targets

Perfect aerodynamic configuration and high thrust ensure a high rate of climb and maneuverability.

Integrated weapons control system, incorporating a radar sighting system, an optical locator and a helmet-mounted target designator capable of tracking up to 10 air targets and simultaneous launching of missiles at two of them, provides a high effectiveness of attack.

All-aspect medium-range air-to-air missiles with active and semi-active radar and heat homing and close combat missiles with heat homing ensure a high air targets kill probability.

Rockets, bombs and cannon with a high rate of fire provide a high kill capability in attacking ground targets.

Ease of control, perfect ergonomics, splendid field of view, comfort of the cockpit make the pilot sure of himself in flight and provide facilitate piloting of aircraft.



**MIG-29SD IS UNRIVALED  
IN AIR COMBAT**

**MIG-29SD IS A SURE WINNER**





## PERFORMANCE DATA

Take-off weight, kg(lb.):	
nominal	15,000(33,000)
maximum	20,000(44,000)
Maximum airspeed, km/h(knots):	
at altitude	2400(1240)
near the ground	1500(810)
Maximum M-number	2.3
Service ceiling, m(ft)	18,000(59,040)
Take-off thrust-to-weight ratio	1.1
Maximum operational g-load	9
Operational range, km(miles):	
without fuel drop tanks	1500(810)
with ventral drop tank	2100(1130)
with ventral and two wing drop tanks	2900(1570)
Take-off run, m(ft):	
with afterburner on	250(820)
with afterburner off	600 to 700 (1970 to 2300)
Landing roll with drag chute, m(ft)	600 to 700 (1970 to 2300)
Number of weapon stores	6
Maximum combat load, kg(lb.)	4000(8800)

## OVERALL DIMENSIONS

Length, m(ft)	17.32(24.01)
Height, m(ft)	4.73(15.51)
Wing span, m(ft)	11.36(37.26)
Wing area, sq.m(sq.ft)	38.0(408.50)
Landing gear track, m(ft)	3.09(10.14)



**MIG-2**  
**IS UNRIVA**  
**IN AIR CO**





**29SD**

**LED  
MBAT**



**SUPERIORITY IN AIR COMBAT**

**RELIABILITY AND COMBAT SURVIVABILITY**

**MAINTAINABILITY**





**WEAPONS PACKAGE**
**Cannon**

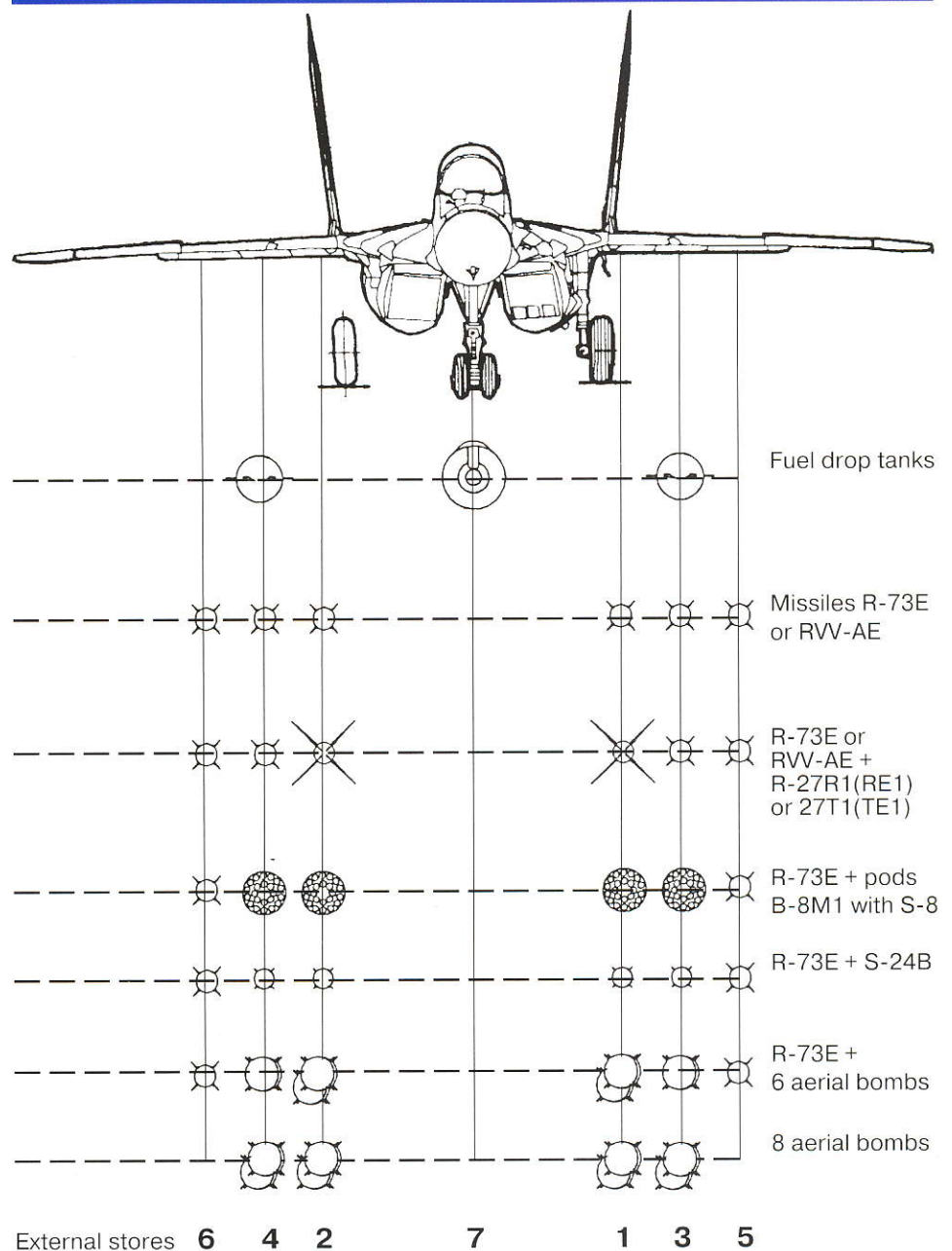
type	GSh-301
calibre, mm/ammunition allowance, rounds	30/150

**Air-to-air missiles**

close-range missiles with heat seeker	R-73E(2-6 pcs)
medium-range missiles with heat seeker	R-27T1,TE1(2 pcs)
medium-range missiles with semi-active radar seeker	R-27R1,RE1(2 pcs)
medium-range missiles with active radar seeker	RVV-AE (2-6 pcs)

**Unguided weapons**

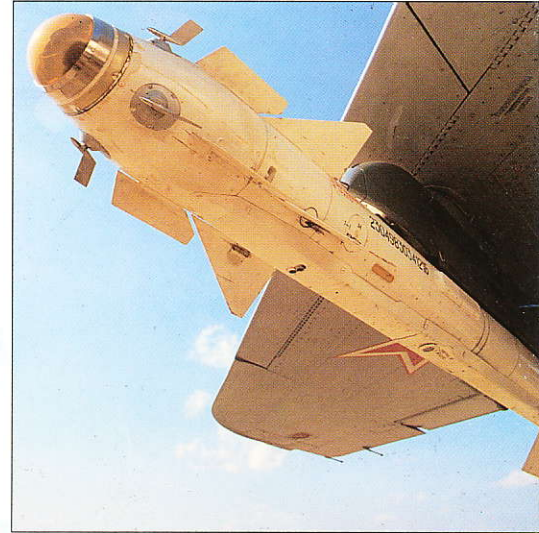
rockets, calibre 240 mm	S-24B (2-4 pcs)
rockets, calibre 80 mm	S-8 (40-80 pcs)
aerial bombs	FAB-250,FAB-500 (up to 8 pcs)

**Variants of External Store Loads**






**MIG-29SD**



The power plant of two separately mounted engines has a high reliability and survivability.

Flight and landing can be accomplished with one engine running.

The engines can be reliably started in ground test runs.

The engines are duly protected against ingress of foreign matter during take-off, landing and in ground test run.

Stalling of the aircraft is prevented by a special automatic system.

Pressurization of fuel tanks with nitrogen prevents explosion of fuel when the tanks are damaged.

The aircraft is provided with effective fire-fighting equipment.

Passive jamming capability protects the aircraft from heat-seeking weapons.

The ejection seat makes the pilot's escape safe in any emergency.

**MIG-29SD IS RELIABLE  
AND SURVIVABLE**

The aircraft is fitted for pilots training in air and on the ground with simulation of air targets and jamming environment

The aircraft can operate from the airfields equipped to the ICAO standards

The aircraft design provides easy access to on-board systems, units and connectors for ground servicing equipment

Built-in test equipment monitors over 80 percent of the aircraft systems

The on-board equipment provides for quick indication and recording of essential data in flight and during pre-flight checks

Engine replacement takes 2 hours only

Pre-flight checks demand minimum time

Labour consumption and ownership cost are lower than those of aircraft of similar class

**MIG-29SD IS EASY  
AND ECONOMICAL  
TO OPERATE**





**MIG-29SD**

At the Customer's request, the aircraft can be equipped with:

- TACAN electronic tactical navigation system
- GPS satellite navigation system
- VOR/ILS navigation and landing equipment
- state identification system required
- aircraft transponder operating on international frequencies
- additional VHF-UHF radio set
- emergency radio set operating on international frequencies
- piloting and navigation instruments reading in the English-American measuring system

#### **ADAPTABILITY FOR EMPLOYMENT AREA**

MAPO "MIG" provides for:

- Maintenance and repair
- Supply of spare parts and accessories
- Upgrading of aircraft supplied
- Training of pilots, technical and engineering personnel
- Supply of technical documentation
- Sending on a mission of specialists at the Customer's request

#### **MAPO "MIG" GUARANTEES POST-SALE SERVICE**

### **MOSCOW AIRCRAFT PRODUCTION ORGANIZATION "MIG"**

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