



SPETS
TECHNO
EXPORT

PRECISION GUIDED WEAPONS



SKIF

MAN-PORTABLE ANTI-TANK MISSILE
SYSTEM



SKIF MAN-PORTABLE ANTI-TANK MISSILE SYSTEM

is designed to destroy stationary and moving modern armored targets with combined, spaced or monolithic armor, including ERA (explosive reactive armor), and also pinpoint targets like permanent fire positions, tanks in trenches, light-armored objects and helicopters

MAN-PORTABLE ANTI-TANK MISSILE SYSTEM



MAIN SPECIFICATIONS

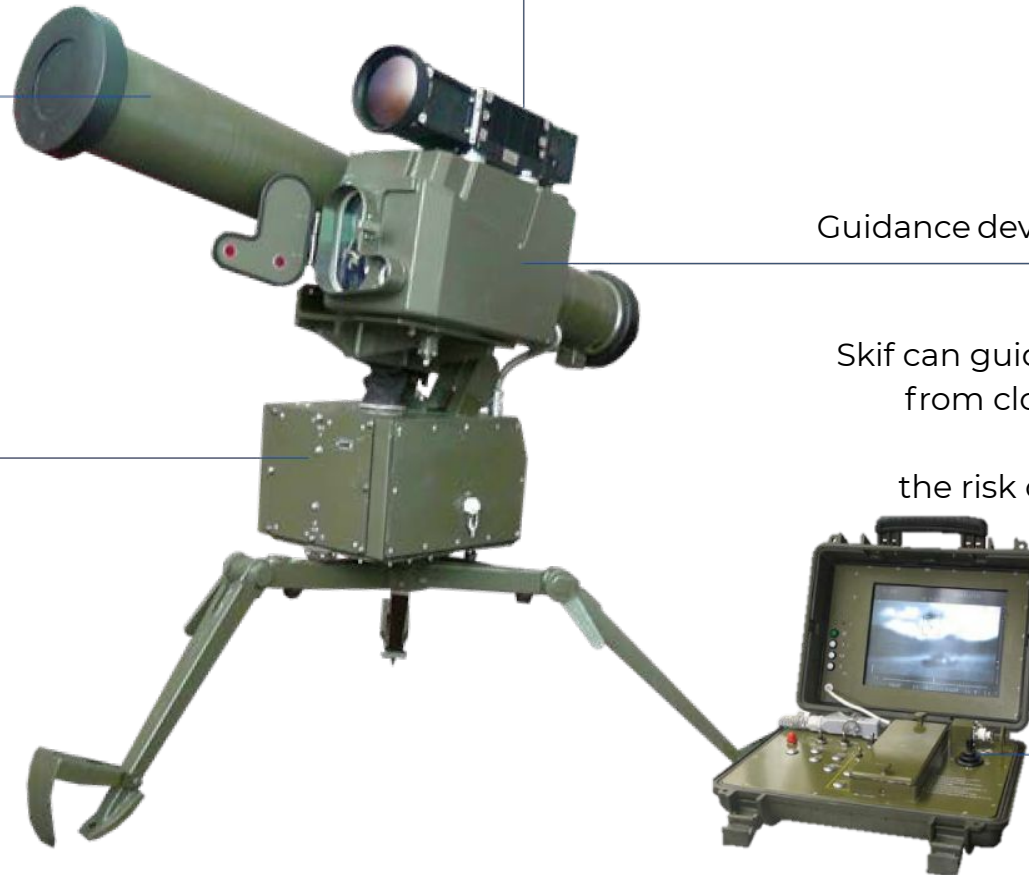
The system is equipped with 130 mm or 152 mm missiles in transport and launching containers with tandem hollow-charge (RK-2S, RK-2M-K) and high-explosive fragmentation (RK-2OF, RK-2M-OF) warheads

Thermal imaging camera
SLX-HAWK

Guidance device

Skif can guide the missile at a target from closed emplacements and shelters to reduce the risk of operators' destruction by return fire attack of an enemy

Launcher



MAIN SPECIFICATIONS

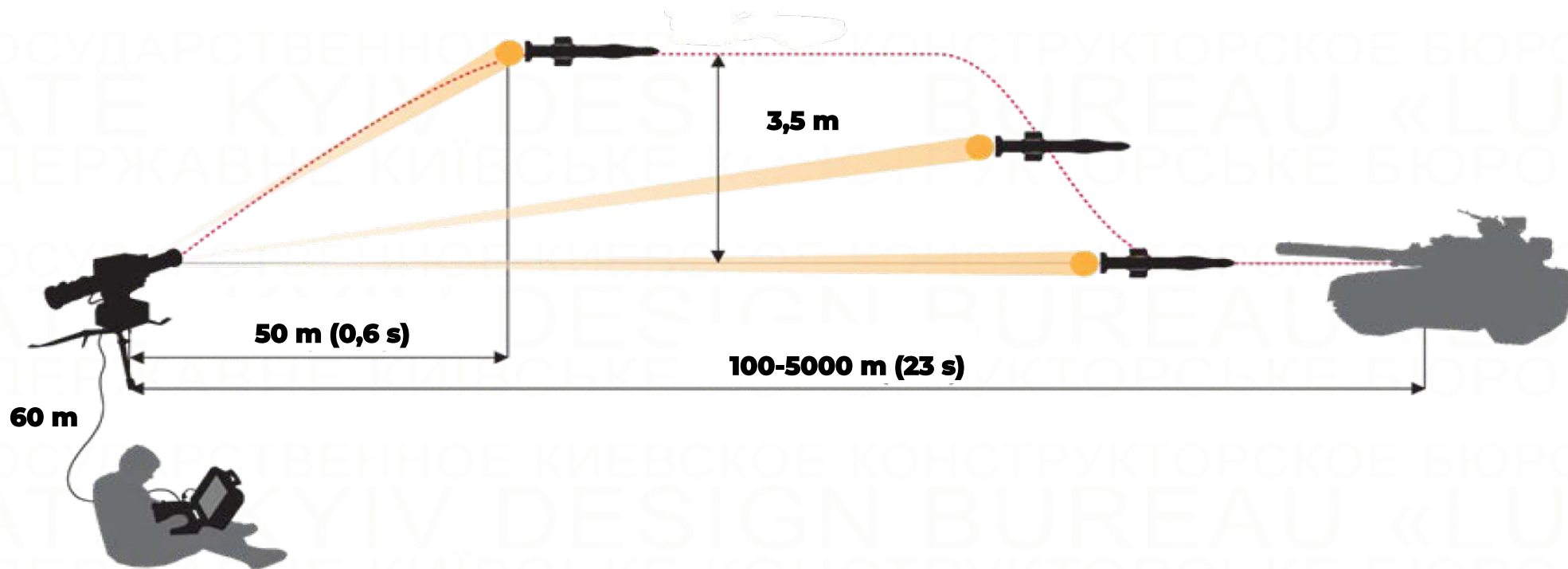
The systems can guide the missile at a target from closed emplacements and shelters, reducing the risk of the gunner destruction by return fire attack of the enemy.

The system is equipped with 130 mm and 152 mm missiles in transport and launching containers with tandem hollow-charge (RK-2S, RK- 2M-K) and high-explosive fragmentation (RK-2OF, RK- 2M-OF) warheads



	RK-2S, RK-2OF	RK-2M-K, RK-2M-OF
Guidance system	by laser beam with target tracking	in automatic mode
Warhead		
Tandem hollow-charge, armor penetration behind ERA	not less than 800 mm	not less than 1100 mm
High-explosive fragmentation with EFP, armor-penetration	not less than 60 mm	not less than 120 mm
Weight		
Launcher	32 kg	
Guidance device	15 kg	
Remote control	10 kg	
Thermal imager	6 kg	

INDIRECT FIRING MODE



MISSILE IS FLYING ABOVE THE LINE OF SIGHT

Weight	Not more than 32 kg
Overall dimensions in the deployed position	1370 x 1160 x 860 mm
Overall dimensions in the transport position	700 x 550 x 550 mm
Viewing angles: - azimuth	$\pm 90^\circ$
- elevation	From -10° to $+30^\circ$
Maximum angular velocity of automatic target tracking	1°/s



LAUNCHER

The launcher is designed for mounting of the missile in the container, enabling the launch and control of the missile flight, and for mounting of the system on various surfaces. It consists of a mount (tripod), a turning platform, a hardware unit, guidance device and is fitted with the remote control

Weight guidance device	Not more than 15 kg
Overall dimensions	415 x 210 x 215 mm
Control distance	Not less than 5500 m
TV sighting channels angle of field of view: - narrow FOV	1°15' x 0°50'
- wide FOV	4°20' x 3°10'



GUIDANCE DEVICE

- is designed to provide missile guidance to the target and to control missile flight
- consists of a TV channel, a guidance laser channel, an electronic control unit
- is fitted with the thermal imager at the customer's request

Spectral range	3.70-4.95 μm
Field of view	fixed
Angles of the field of view:	
- azimuth	4°
- elevation	3°12'
Electronic zoom	2x; 4x
Sensitivity:	
- typical	18 mK
- maximum	25 mK



THERMAL IMAGING CAMERA

SELEX GALILEO's latest model of a thermal imaging camera SLX-HAWK provides high-performance passive infrared (IR) imaging in the day, night, and poor visibility for land, sea, and air operations. It uses a full television medium wave infrared detector coupled with the latest generation of advanced image processing electronics to deliver superior imaging performance

Weight	Not more than 10 kg
Overall dimensions	410 x 340 x 205 mm
Distance from the remote control to launcher	Up to 50 m



REMOTE CONTROL

Remote control is designed for selection of a target by the gunner, missile launching and target tracking in the manual or automatic modes at a distance from the launcher



Characteristics	RK-2S	RK-2M
Weight	Not more than 29,5 kg	Not more than 38 kg
Length	1360 mm	1435 mm
Outer diameter	140 mm	162 mm

TRANSPORT AND LAUNCHING CONTAINER WITH GUIDED MISSILE RK-2S AND RK-2M

Missile is situated in transport and launching container, and has an anti-tank guided missile and a booster

Anti-tank guided missile consists of a warhead, a sustainer engine and a hardware unit

TECHNICAL CHARACTERISTICS OF THE SYSTEM COMPONENTS



	R-2S	R-2M
Flight time at maximum range	29,5 s	38 s
WARHEAD TYPE		
tandem hollow-charge, armor penetration behind ERA - high-explosive fragmentation with EFP: • armor penetration • number of fragments of 2-3 g mass	Not less than 800 mm Not less than 60 mm Not less than 600 pcs	Not less than 1100 mm Not less than 120 mm Not less than 1000 pcs
Warhead weight	6,7 kg	9,24 kg
Missile weight	Not more than 15,7 kg	Not more than 21,02 kg
Caliber	130 mm	152 mm

TRANSPORTATION



STORAGE:

Minimum shelf life for missiles in transport-launching container: **10 years***

For the launcher in the manufacturer's package: **15 years***

*subject to maintaining the conditions of temperature and humidity, including 3 years of field storage/operation

- By rail and water transport without distance and speed limits
- By truck on any types of roads (including dirt roads and cross-country terrain) with 10-fold loading/unloading at the distance up to 10 000 km
- By air transport in non-tight cabins at altitudes up to 12 km without distance or speed limits with 10 cycles of takeoffs and landings, including the dropping with parachute (landing) in a specified area

TWO PERSONS ARE REQUIRED TO DELIVER THE SYSTEM TO THE FIRE POSITION

Two men carry pack No.1 containing the launcher PU-215 (35 kg) in their hands (by handles). At the same time one of them carries pack No.3 containing the guidance device PN-I (16.5 kg) on his back. The second person carries pack No.2 (20 kg) containing the remote control module PDU-215

Additional person carries pack No.4 (31 kg) on his back with RK-2S missile and a bag UZU-215 (7 kg) in his hands

CORSAR

LIGHT PORTABLE
MISSILE SYSTEM



**LIGHT PORTABLE
MISSILE SYSTEM**



Corsar light portable missile system is designed to destroy stationary and moving modern armored targets and other objects with combined, spaced, or monolithic armor, including ERA (explosive reactive armor), as well as pinpoint targets such as weapon emplacements, light-armored objects and helicopters. Firing can be carried out from the mount as well as from a trench parapet

MAIN SPECIFICATIONS

» **MAXIMUM FIRING RANGE**
2500 m

t° **OPERATING TEMPERATURE RANGE**
From -4°C to +60°C

» **WEIGHT OF MISSILE CONTAINER**
15,5 kg

» **WEIGHT OF LAUNCHER**
9,2 kg

» **WEIGHT OF MOUNT**
8,3 kg

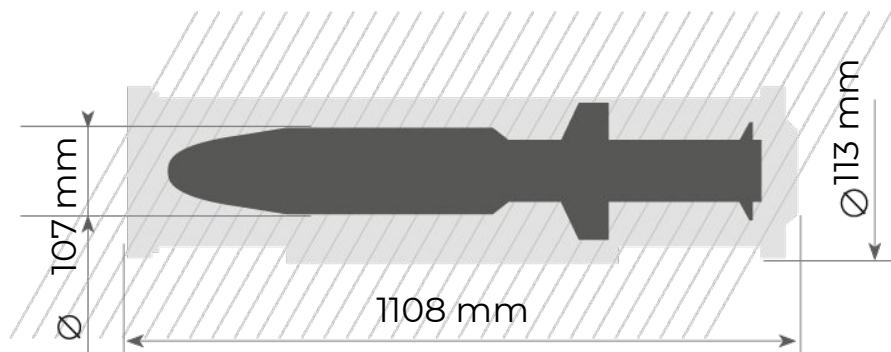
» **GUIDANCE SYSTEM**
Semi-automatic by laser beam

Warhead tandem hollow-charge,
armor penetration behind ERA

Not less than
550 mm

Warhead high-explosive fragmentation
with EFP, armor penetration

Not less than 50 mm

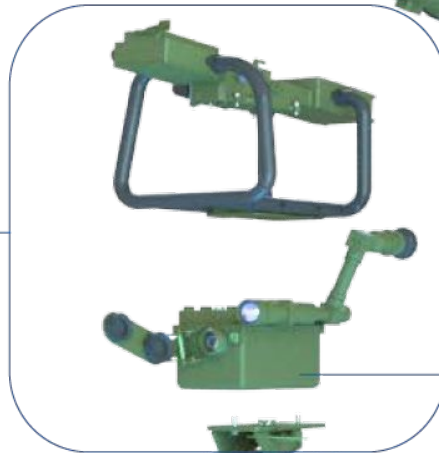


SYSTEM COMPOSITION

Transport and
launching container
with guided missile



Launcher



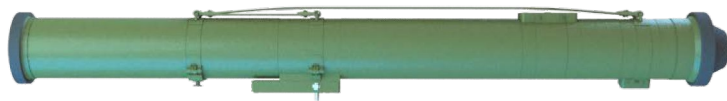
Guidance
unit



Mount



TRANSPORT AND LAUNCHING CONTAINER WITH GUIDED MISSILE



TRANSPORT AND LAUNCHING CONTAINER WITH MISSILE

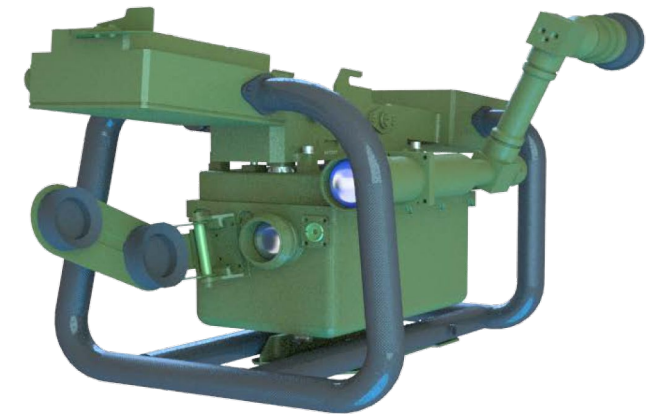
Weight	Not more than 15,5 kg
Length	1180 mm
Outer diameter	113 mm



GUIDED MISSILE

Weight Missile High-explosive fragmentation warhead Tandem hollow-charge warhead	Not more than 10,5 kg 3,5 kg 4,3 kg
Length	910 mm
Outer diameter	107 mm

Weight	10 kg
Power supply module battery rated capacity	Not less than 6 A·h
Power supply module voltage	$+(15\pm 2)$ V
Overall dimensions	600 x 300 x 290 mm

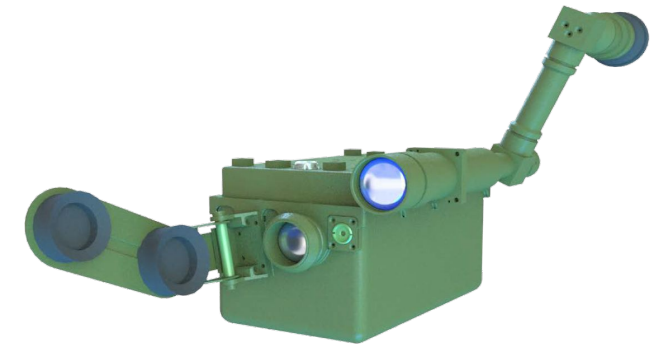


LAUNCHER

The launcher is designed for layout of the missile in container on the launching frame, providing the missile departure from the container (missile initiation command forming)

The launcher consists of: launching frame, guidance device, power supply module

Weight	not more than 4,9 kg
Optical sight magnification	8x
Optical sight field of view angle	not less than 5°
Overall dimensions	300 x 220 x 216 mm



GUIDANCE DEVICE

The guidance device is designed for:

- the missile control laser field formation
- target detection, identification, recognition and missile guidance on a target

MOUNT: The assembled mount represents a construction, which consists of:

- a tripod with folding legs
- a platform with a fixing mechanism
- an elevating guidance mechanism which provides platform rotation in the vertical plane by flywheel rotation
- a case with the horizontal guidance mechanism which provides rotation of the mount components relatively to the tripod in the horizontal plane

Weight	8,3 kg
Overall dimensions	300 x 220 x 216 mm
Guidance angle: in azimuth in elevation angle	360° from -10° to +20°



GUIDANCE MECHANISM

The horizontal guidance mechanism has a switch for rotation speed changing from normal to accelerated (in 3.15 times) and to the contrary





**SPETS
TECHNO
EXPORT**

EST. 1998

SPETSTECHNOEXPORT

A major Ukrainian state-owned foreign trade enterprise, which specializes in export and import of military and dual-use products and services globally, as well as on promoting innovations, transfer of technology and military-technical cooperation

OVER

22

years of
experience

30

partner
countries

170

state and private
producers

30

research centers
and design bureaus



UKROBORONPROM

Ukrainian Defence Industry

OUR EXPERTISE

Aircraft engineering and maintenance

UAV and Anti-UAV defense systems

Military and special purpose armored vehicles

Small arms and light weapons

Precision-guided weapons

Radars and air defense

Maritime systems

R&D services





**STATE TRADE FOREIGN ENTERPRISE
SPETSTECHNOEXPORT**

7, Stepana Bandery Avenue, Kyiv, 04073, Ukraine

Tel.: +38 (044) 568 50 70

Fax: +38 (044) 568 53 48

E-mail: office@ste.kiev.ua

www.spetstechnoexport.com