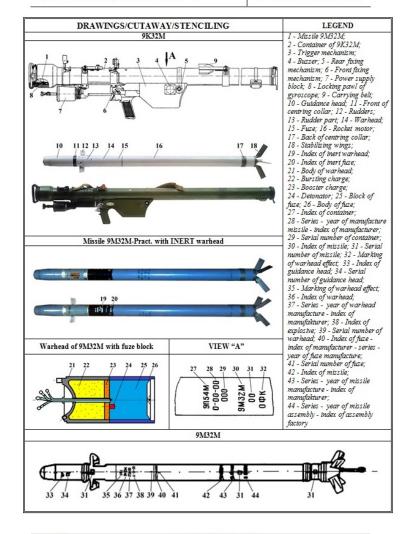
FW	FWP Ammunition		
FIELD of AMMUNITION	Anti-aircraft artillery		
CALIBER	72 mm		
NAME	Missile		
TYPE	HE-FRAG		
NAME/ASSIGNED MARK (origin	al) 9M32, 9M32M		
COUNTRY of ORIGIN		Union of Soviet Socialist Republics and Czechoslovakia	
DEPLOYMENT METHOD	Fired by 9K32 for 9M32M 9K32M for Cmpena-2M	Fired by 9K32 for 9M32MСтрела-2, 9K32M for Стрела-2M	
	MISSILES		
abbreviation	9M32	9M32M	
another name	9К32 Стрела-2	9К32М Стрела-2М	
NATO reporting name	SA-7A Grail	SA-7B Grail	
weight of missile [kg]	9.15	9.80	
missile weight in container [kg]	14.5	15.0	
length of missile without wings [mm]	1420	1440	
length of container [mm]	1490	1500	
index of guidance head	9942	9946	
index of warhead		9H15M	
weight of warhead [kg]	1.17	1.17	
weight of A-IX-20 explosive [kg]	0.37	0.37	
weight of rocket motor propellant [kg]	100000000000000000000000000000000000000	4.20	
guidance		h thermal guidance head	
effective range of the target departure [kn	n] 3.40	4.20	
effective range of the target arrivals [km]	141	2.80	
maximum target height [km]	0.05 to 1.50	0.05 to 2.30	
missile speed when leaving the container [	n.s <sup>-1</sup> ]	28	
average speed [m.s <sup>-1</sup> ]	430	500	
maximum speed of the target approaching	/receding [m.s <sup>-1</sup> ]/220	150/260	
self-destruction [s]	12 to 15	14 to 17	
index of fuze	9322	9322M	
type of fuze		electromechanical, contact - gusty, with mask safety self-destruct function	
	PACKING		
Number of rocket in the crate	Weight of full crate (9Я68) with rocke	ets in container [kg] 5	
9M32, 9M32M are used for destruction of rocket motor (7), guidance head (1), electron	DESCRIPTION  low flying targets - aircraft and helicopters. It is block with autopilot (4) and fuzes (6).	dissiles consist of warhead (	
	COLOR and MARKING		
Body missile colour: Light gr		Black	
SAFET  Do not touch and not move unexploded rocke	Y CONSIDERATION THREAT		
	of precipatile		



Body inert warhead colour is black and text colour of inert warhead is white.