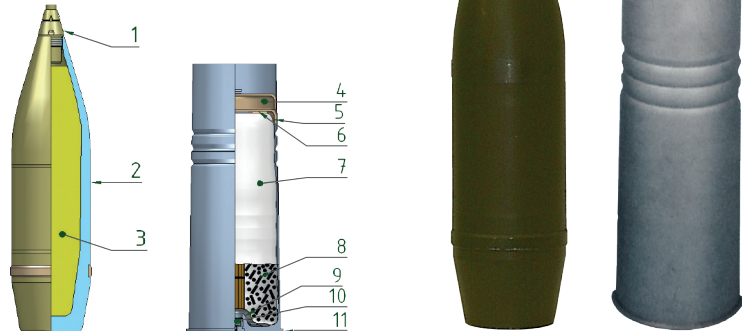


122 mm EOF for 122 mm D-30 and 2S1 GVOZDIKA

122 mm EOF is HE semi-fixed ammunition with full ((equivalent 3VOF5) or reduced charge ((equivalent 3VOF6), used for 122 mm howitzer D-30 and self-propelled gun 2S1(Gvozdika).



Legend:

1. fuze, 2. projectile body, 3. HE charge, 4. cover, 5. cap, 6. decooper, 7. base powder charge bag, 8. propellant, 9. igniter, 10. primer screw, 11. cartridge case

Technical data:

Muzzle velocity Vo (full charge)	m/s	690
Max. firing distance on firing by full charge	m	15,300
Max. pressure inside the barrel (full charge)	MPa	245.2
Muzzle velocity Vo (reduced charge)	m/s	565
Max. firing distance on firing with reduced charge	m	12,870

Components:

Projectile: (equivalent 53 OF 462)	Weight of entire projectile	kg	21.76
	Weight of HE charge /TNT/	kg	3.6
	Total length of projectile without fuze	mm	496.36-504.7
	Total length of projectile with fuze	mm	552.17-564.61
Cartridge with full charge	Weight of cartridge with full charge	kg	7.835
	Average weight of full charge	kg	3.8
	Powder charge		Nitrocellulose powder
	Total length of cartridge	mm	447 ± 1.55
	Weight of steel cartridge case	kg	3.66 ± 0.18
Cartridge with reduced charge	Weight of cartridge with reduced charge	kg	6.435
	Weight of reduced charge	kg	from 0,6 to 2.5
	Powder charge		Nitrocellulose powder
Primer screw: KV-4	Weight	kg	0.069

Packing:

Weight of empty wooden box	kg	21.0
Weight of full wooden box with 2 pcs	kg	83 full charge - 80 reduced charge
Dimensions of wooden box	mm	1,205 x 434 x 250
Pallet unit dimensions	mm	1,205 x 850 x 1,310
Number of wooden boxes in pallet unit	pcs	10
Weight of empty pallet	kg	30



MSM GROUP Ltd. was established by transformation of MSM Martin Ltd., which dealt with construction, development, production and sales mainly with military material. MSM Martin Ltd. in the last few years took over several military companies located in the middle of Slovakia, and built on its traditional manufacturing activities in military and civil production.

Due to **ZVS** inclusion into the group structure we can state that the origin of **MSM GROUP Ltd.** comes **back to 1927** when then Škoda Works in Plzeň, as a monopoly producer of ammunition decided to build so called „spare factory” in Slovakia. The company was totally destroyed during the World War II, and it took several years while the production was restored to such extend, that its products were supplied not only for the Ministry of National Defence, but for many countries worldwide as well.

Today the **MSM GROUP Ltd.** makes use of rich experiences from the past and know-how of highly qualified workers and vast archive of technical documentation for all necessary procedures.

In 2009 the biggest Czech military holding CSG (CZECHOSLOVAK GROUP) entered MSM as a co-owner.

WHY TO COOPERATE WITH US:

More than 70 years experiences in the ammunition development, production and complete services in this field.

Long tradition in the MSM locations for the ammunition production processes with significant effects as the deep skilled personal, support industries, development fields, education etc.

More information at
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