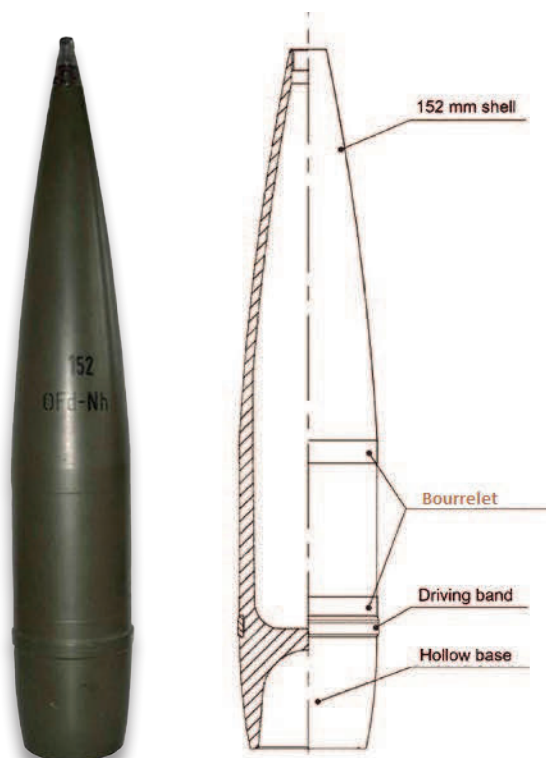


152 mm HE ER-HB

(High-Explosive Extended Range projectile with Hollow Base)

Long range projectile HE ER-HB is primarily designed for self-propelled howitzer 152 mm DANA mod. 77 and modernized DANA-M1 CZ without modification of automatic loading system. The separated ammunition consists of 152 mm projectile HE ER-HB and cartridge Z 546. It is intended for destroying the enemy infantry units, firing posts, trenches, roadblocks, light armored vehicles, buildings, observation points etc. in range up to **20,000 meters**.



Technical data:

Projectile weight with fuze (kg)	43.56
Projectile length without fuze (mm)	778
Projectile length with fuze (mm)	838
Muzzle velocity (m.s ⁻¹)	695
Max. gas pressure (MPa)	230
Temperature range (°C)	- 40 to +50
Fuze	KZ - 88M



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
www.msm.sk

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