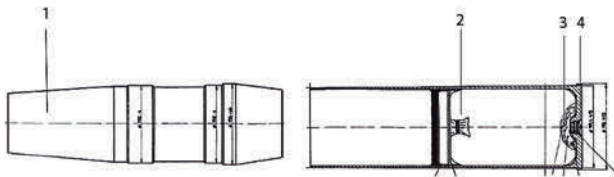


# 152 mm ECv-ShKH 77

(Training ammunition 152 mm  
BLANK for 152 ShKH 77 Dana)

The 152 mm ECv – ShKH 77 ammunition perfectly enables to train activity of loading and shooting alike the utilization of live ammunition. Special plug ensures complete burning of the propelling charge during fire. Energy created during fire is sufficient to ensure automatic functioning of the weapon system even in extreme conditions. Considering the minimal danger area (80 meters) no firing range is demanded for training and cost of training are just fraction of the cost needed for live ammunition firing.



#### Legend:

1. Special plug for training round 152 mm ECv
2. Propelling charge (2.8 kg)
3. Ignitor – black powder (0.05kg)
4. Primer KV-4



#### Technical data:

Weight of special plug	10.4 ± 0,4 kg
Weight of propelling charge	2.8 kg + 0.05 kg (igniter-black powder)
Typ of propellant in propelling charge	smokeless powder S-085-01
Medium gas pressure at normal temperature	126.6 MPa
Cartridge case material	Steel or Brass
Primer	KV-4
Plug life at - 5 °C to + 40 °C and 80 % humidity	10 years
Operational temperature	- 25 °C to + 40 °C
Warranty period	24 months
Accessories needed	Muzzle break delimiting device
Sound effect created	> 110 dB
Danger area	< 80 m



**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](http://www.msm.sk)

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