FWP Ammunition	ANNEX B-37

FIELD of AMMUNITION	*fuze*
TYPE	*nose*
NAME/ASSIGNED MARK (original)	*MT-H*
COUNTRY of ORIGIN	*Union of Soviet Socialist Republics*
AMMUNITION USED WITH	*45, 76 and 85mm HE and HE-Frag for artillery and tank guns*

fuze name	***MG-N/MT-H***
maximum diameter [mm]	*40*
thread – diameter [mm]	*36*
overall length [mm]	*87*
weight [g]	
body material	*steel*
booster charge explosive	*PETN*
booster charge weight explosive [g]	*9,0*

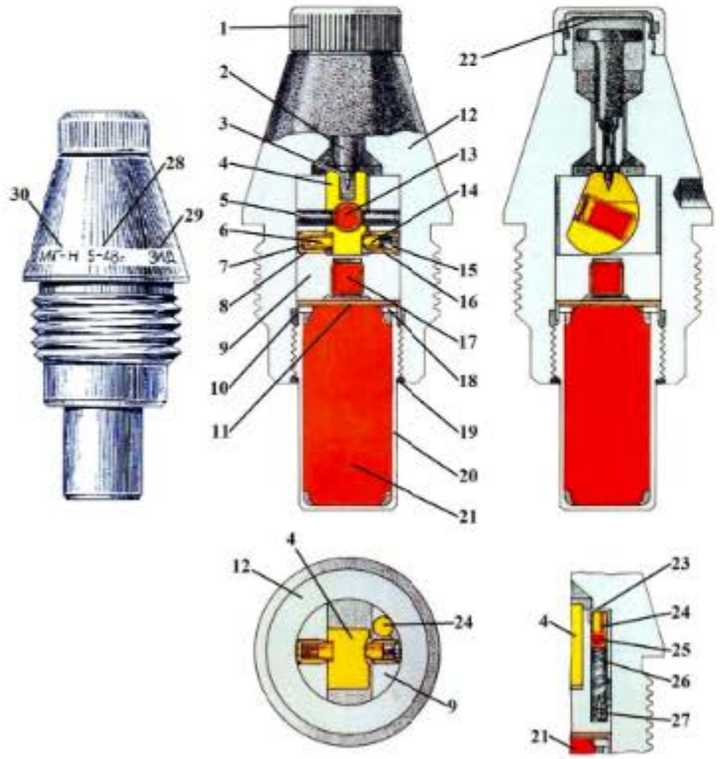
BASIC CHARACTERISTICS

Nose fuze – impact, immediate, with masking safety, secured type.

COLOR and MARKING

Body	*bare metal body or green coloured*
Text colour:	*stamped*

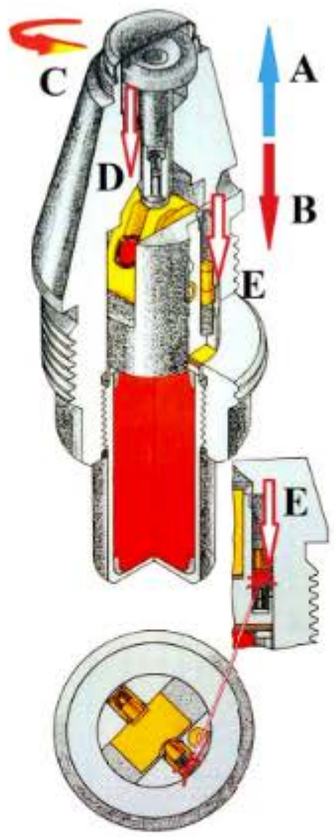
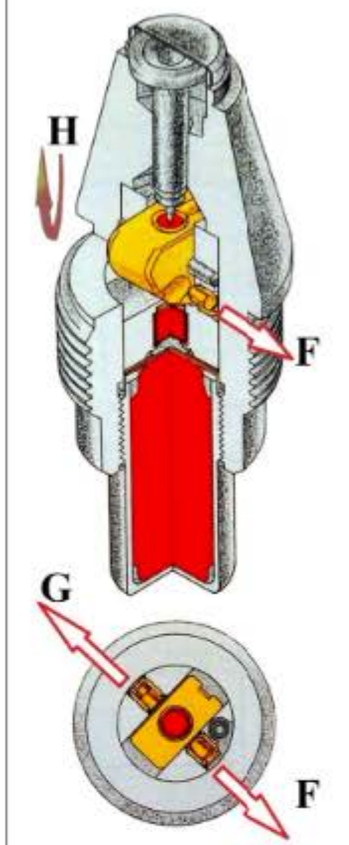
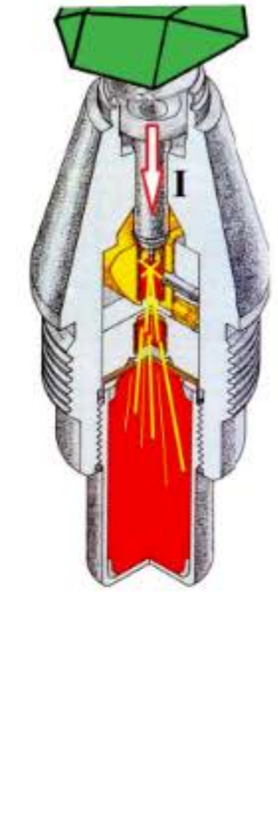
DRAWINGS/CUTAWAY/STENCILING



LEGEND

1 - Cap;
2 – Striker;
3 – Firing pin;
4 - Rotary shutter;
5 - Rotary disc trunnions;
6 - Centrifugal safety pin;
7 - Spring;
8 – Centrifugal safety case;
9 – Rotary shutter case;
10 - Sealing ring;
11 – Pads;
12 – Body;
13 - Detonator;
14 - Powder safety device pin;
15 - Powdersafety device charge;
16 – Powder safety device case;
17 - Lead;
18 – Seal;
19 – Lead seal;
20 - Booster charge case;
21 - Booster charge;
22 – Membrane;
23 – Cap;
24 – Primer case;
25 – Primer;
26 – Spring;
27 - Firing pin;
28 - Lot - Year of manufacture;
29 - Manufacturer marking;
30 – Fuze model

FUNCTIONS/ACTIVITIES OF THE FUZE

WHEN FIRED	DURING FLIGHT	ON IMPACT
		

DESCRIPTION OF ACTIVITIES

A – Direction of projectile flight: B – Inertial force direction; C – Projectile rotation creates centrifugal forces;
D Set back moves the striker (2) down and holds the rotary shutter (4);
E - Primer (25) sets back onto the firing pin (27) and initiates the powder safety device charge (15);
F - Centrifugal forces retracts the powder safety device pin (14) after burnout of the powder safety device charge (15);
G - Centrifugal forces releases the centrifugal safety pin (8);
H - On creep forward the striker releases the rotary shutter and it rotates the detonator (13) towards the firing pin (3) and the fuze is armed;
I - After impact the detonator (13) is initiated by the firing pin (3). The result is initiation of the booster charge (21).