YUGOIMPORT
SDPR J.P.

DEVELOPMENT

FAB-100 M80

HE free-fall INS/GPS guided bomb

FAB - 100 M80 HE bomb is intended for attack against targets of medium fortification level, such as industrial facilities, railroad junctions, roads, command posts, bridges or personnel.

The bomb may be released safe or armed at speed up to 1000 km/h.

Technical data:

• Bomb type	FAB-100 M80
• Diameter	230 mm
• Length	1490 mm
• Hook spacing (adaptable to A/C bomb rack)	250 and 355.6 mm

Weights

• Without fuzes	117 kg
• Main explosive charge (TNT)	39 kg

Fuzes

• Type AVU-ET	1 or 2
• Type AUFK	1 or 2

PACKING

• 12 bodies (4 x 3)	one crate
• Case dimension	1020 x 800 x 1600 mm
• Case gross weight	1450 kg
• Case volume	1.3 m^3
• 12 Fins (24 hooks)	one crate
• Case dimension	1160 x 900 x 760 mm
• Case gross weight	170 kg
• Case volume	0.8m^3
• UN No.	0034
• Hazard class	1.1D

Aerodynamic guidance kit BNB-015IZ characteristics:

Aerodynamic guidance kit for bombs BNB-015IZ is used to increase the effectiveness of conventional aviation bombs combat application against stationary and low-dimension targets. It is designed for bombs of 200lb (~100kg), 500lb (~250kg) and 1000lb (~500kg) caliber.

Goals

- Bomb hit accuracy increase;
- Fast conversion of conventional bombs to correction;
- Planes/Flights/Bombs reduction for stationary low-dimension targets hitting;
- Platform (base) for different guidance systems.
- Can be installed on M54, M62, M79, Mk8x bomb models

Features

- Application on 200, 500 and 1000lb bombs;
- Combined guidance system (inertial + any satellite navigation system);
- Four control surfaces (canards) for bomb flight control at calculated trajectory;
- Possibility for other types of guidance system use such as TV(CCD), IIR, laser, etc.;
- Target hitting accuracy is comparable with value for specialized correction aviation bombs.

TECHICAL DATA

Designation	BNB-015IZ
Applicable altitude (m)	1000 – 6000
Applicable airspeed	500 to 800 km/h
Continuous working time in autonomous flight (s)	not less than 60
Guidance system onboard continuous work time (hours)	4
Power supply	6 VDC, < 25 W
Operating temperature (°C)	-50 to +70
Operating pressure (mm Hg)	up to 15
Operating altitude drop (m)	up to 9000
Operating humidity (%)	up to 98 at +35°C
Weight (kg)	25-31 (depends on design solution)
Navigation system	inertial + satellite (GPS, GLONASS)
CEP (Circular Error Probability)	~ 15 m
Readiness time (installation, check, target coordinates input)	< 30 min
Guidance initiation	electrical or mechanical

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Should you have any further enquires, please do not hesitate to contact us at **fdsp@eunet.rs**