



120 mm (HE,LR,AS)



GENERAL SPECIFICATIONS

The high flexibility and easy handling on one hand and the accuracy of operation on the other hand, have made mortars to be considered as the most worldwide suitable weapon in infantry fighting, particularly in hilly or jungle terrains fields.

The 120mm mortar shell is one of mortar bombs produced by Iran Defence Industries and characterized by the special process of production and high quality material for the body, resulting in more effective blast and fragments and higher lethality for the ammunition. It is equipped with AZ111-A2 fuze with 2 positions (delayed and quick impact).

Long range: Long range type of 120mm mortar bomb is an improved type of that. The new type has more explosive power and as a result causes much better fragments than the previous type, resulting in a better performance. All these improvements are made without any change to the mortar launchers.

Above-surface high explosive 120 mm mortar bombs: In this kind of mortar shell the basic fuze AZ111-A2 is replaced with AZ111-A2/ AS. In case of not using above-surface mechanism it will work as an ordinary 120mm mortar shell, but in case of setting fuze to immediate position and using above-surface mechanism, fragments that impact target will increase 30% more and this means that effectiveness of mortar is increased.



TECHNICAL SPECIFICATIONS

Type	High Explosive	High Explosive (L.R)	High Explosive (AS)
Length, Fused(mm)	581 ± 2	664 ± 2	937 ± 2
Weight, Fused(gr)	12970 ± 200	13650 ± 200	13100 ± 25
Caliber (mm)	120	120	120
Color	Olive green / Khaki	Olive green / Khaki	Olive green / Khaki
Filler Material (g)	2250 TNT	2300 TNT	2250 TNT
Charge	1red + 8 white	1red + 8 white	1red + 8 white
Body	Forged steel	Forged steel	Forged steel
Tail	Extruded Aluminum	Extruded Aluminum	Extruded Aluminum
Fuze	AZ111-A2	AZ111-A2	AZ111-A2/AS
Primer	M35	7512	M35
Muzzle Velocity (m/s)	305 ± 3	323 ± 3	305 ± 3
Max. Chamber Pressure (bar)	900	900	900
Max. Range (m)	6500	6900	6200
Armament	120mm mortars	120mm mortars	120mm mortars

PACKING DATA

Type	High Explosive	High Explosive (L.R)	High Explosive (AS)
Quantity per Box	2	2	2
Box Weight (kg)	38 ± 2	40 ± 2	38 ± 2
Box Dim. (mm)	771 x 348 x 220	860 x 330 x 222	771 x 348 x 220
Box per Pallet	15	15	15
Pallet Dim. (mm)	735 x 1025 x 943	1050 x 830	735 x 1025 x 943