



Howitzer Guns



This is a modern artillery complete gun system of modern battle field. Artillery remains, and always will to an extent, a vital component of any army land action even on the technology-heavy battle field of today. The mission of field artillery is to throw projectiles of high explosives or other munitions to places relatively far away and out of sight on the battle field.

Our products are inspected against criteria by Iranian defence standard.

Process is fully defined with inspection procedures and documentation at every level of assembly. Each weapon will be certified according to test procedures at final inspection, functional test and function firing.

The barrels are produced by Electro Slay Remelting (ESR) process. Ingots forge to desired dimension with a reduction followed by homogenization, hardening and tempering treatment and mechanical properties including tensile, impact, and toughness will be studied and also ultrasonic testing will be done to identify any internal flows. The guns fire all standard ammunition as well as special Rocket-Assisted projectiles, including

- High-Explosive
- Illuminating
- Smoke cartridge
- High-Explosive Rocket-Assisted
- High-Explosive Base-Bleed



105 mm Howitzer

122 mm D-30I Howitzer

155 mm 39-Caliber HM41 Howitzer

TECHNICAL SPECIFICATIONS

Model	105 mm Howitzer	122 mm D-30I Howitzer	155 mm 39-Caliber HM41 Howitzer
Caliber (mm)	105	122	155
Barrel Length	23 Cal (2415 mm)	39 Cal (4785 mm)	39 Cal (6095 mm)
Weight of Barrel (kg)	325	1050	1777
Total Weight (kg)	2030	3500	6900
Recoil System	Hydropneumatic	Hydropneumatic	Hydropneumatic
Elevation	-5° to +66°	-7° to 70°	0° to 66°
Traverse	46°	360°	25° Right/ 23.5° Left
Muzzle Brake	-	Double baffle	Double baffle
Number of Grooves	36	36	48
Breech Type	Horizontal Sliding Block	Vertical Sliding Block	Interrupted screw
Max. Chamber Pressure (bar)	2700	2600	3500
Rate of Fire (Rapid)	10 rds. /min	8 rds. /min	4 rds. /min
Max. Range (km)	HE:11.62	HE: 15.6 BB: 21.5 HB: 18	HE: 18-22 BB: 30 RAP: 30
Ammunition Type	HE, ILL WP, RP	HE,BB HB,ILL WP,RP HEAT,RAP	HE,BB,HB ILL,WP,RP Leaflet VLAP,RAP
Max. Travelling Speed (km/h)	60	80	55
Number of Crew	8	8	11

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