



Barrel is the most important part of artillery weapons. To manufacture the barrels, special and advanced technologies such as GFM method for producing raw materials, high-strength alloy steel by using of specific furnaces, rifling, honing and chamber boring are used in Hadid industries.

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.



TECHNICAL SPECIFICATIONS

Model	Caliber mm	Final weight kg	Length of Tube mm	Number of rifling	Rifling twist direction	Chamber length (mm)
122-D30-I	122	605	3995	36	Right-handed	594
155-IH	155	1776	6095	48	Right-handed	1058
155-M109	155	1132	6042	48	Right-handed	998
130-M46	130	1780	6840	40	Right-handed	990
130-T59/1	130	1658	6850	40	Right-handed	990
155-GHN	155	1760	7046	48	Right-handed	1213
105-M2A2	105	345	2364	36	Right-handed	399.5
105-M68	105	870	5346	28	Right-handed	633.5
125-2A46M T72s	125	1125	6000	Smooth bore	Smooth bore	840
125-2A46 T72m	125	1139	6000	Smooth bore	Smooth bore	840
122-VOZ	122	537	3995	36	Right-handed	594
100G Anti-Aircraft	100	850	5358	40	Right-handed	715.5
76-NAVAL gun	76	333	4700	24	Right-handed	688