# Weapons

# > Mortars 60 mm

| TECHNICAL DATA | 60mm M57 | 60mm M70 Commando | 60mm M90 |
|---|---|---|---|
| Max. Range (with HE projectile) | 2537 m | 1630 m | 5208 m |
| Min. Range | 94 m | 94 m | 150 m |
| Barrel Length | 651 mm | 650 mm | 1200 mm |
| Maximum Bore Pressure | 414 bar | 245.14 ba | |
| Rate of Fire | 25-30 shells/min | 20-25 rds/min | |
| Number of Crew | 2+1 for AMMUNITION | 2 | 3 |
| Maximum Rate of Fire | 30-35 shells/min | | 15-20 shells/min |

# > Mortars 81/82 mm

| TECHNICAL DATA | 81mm M69B | 82mm M69A |
|---|---|---|
| Max. Range (with HE projectile) | 5426 m | 6050 m |
| Min. Range | 85 m | 94 m |
| Barrel Length | 1450 mm | 1200 mm |
| Maximum Bore Pressure | 610 bar | 69-265 m/s |
| Number of Crew | 4 | 4 |
| Maximum Rate of Fire | 20-25 shells/min | 20-25 shells/min |

| TECHNICAL DATA | 120mm M74 | 120mm M75 |
|---|---|---|
| Max. Range (with HE projectile) | 9056 m | 9056 m |
| Min. Range | 267 m | 271 m |
| Barrel Length | 1690 mm | 1690 mm |
| Rate of Fire | 12 shells/min | 15 shells/min |
| Number of Crew | 4 | 4 |

# > Gun 105 mm M56A1-A2

| TECHNICAL DATA | 105mm M56A1 | 105mmM56A2 |
|---|---|---|
| Caliber | 105 mm | 105 mm |
| Max. Range | 13 km | 18 km |
| Weight of barrel assembly | 526 kg | 616 kg |
| Weight of barrel | 320 kg | 410 kg |
| Length of barrel | 2938/27,8 mm/cal | 3180/30,3 mm/cal |
| Length of rifling | 2566 mm | 3008 mm |
| Number of grooves | 36 | 36 |
| Twist angle (°/cal) | uniform, right-hand (8° 56'/20) | |
| Chamber volume | 2,5 $dm^3$ | |
| Type of muzzle brake | three baffles | two baffles |
| Type of breech mechanism | horizontal sliding wedge | |
| Weight of breech mechanism | 30 kg | |
| Type of recoil mechanism | hydro-pneumatic | |
| Weight of filed recoil mechanism | 153 kg | |
| Maximum pressure | 2350 bar | 2630 bar |
| Maximum projectile velocity | 570 m/s | 680 m/s |
| Maximum Rate of fire | 8 rounds/minute | |
| Range | 13000 m | 18500 m |
| Fire regime | 16/4, 30/10, 100/60 rounds/minute | |
| Type of equilibrator | pneumatic | |
| Number of crew | 7+1 | |

# > Howitzer D30J 122 mm

| TECHNICAL DATA | |
|---|---|
| Caliber | 122 mm |
| Muzzle velocity | 730 m/s |
| Max. Range | 17,300 m |
| Barrel length with muzzle brake | 4785 mm (39,5 cal.) |
| Barrel length without muzzle brake | 4270 mm (35,5 cal.) |
| Length of rifled part | 3400 mm |
| Powder chamber length | 594 mm |
| Field of action in elevation | -7° to 70° |
| Field of action traverse | at barrel elevation of –5° to 18°: 360° |
| | at barrel elevation of 18° to 70° and barrel position:<br>- between mobile trails: 66°<br>- between fixed and mobile trails: ± 29° |
| Normal barrel recoil length on friling | 740-930 mm |
| Max. allowed recoil length | 940 mm |
| Length of howitzer in travelling position | 5330 mm |
| Breadth of howitzer in travelling position | 2190 mm |

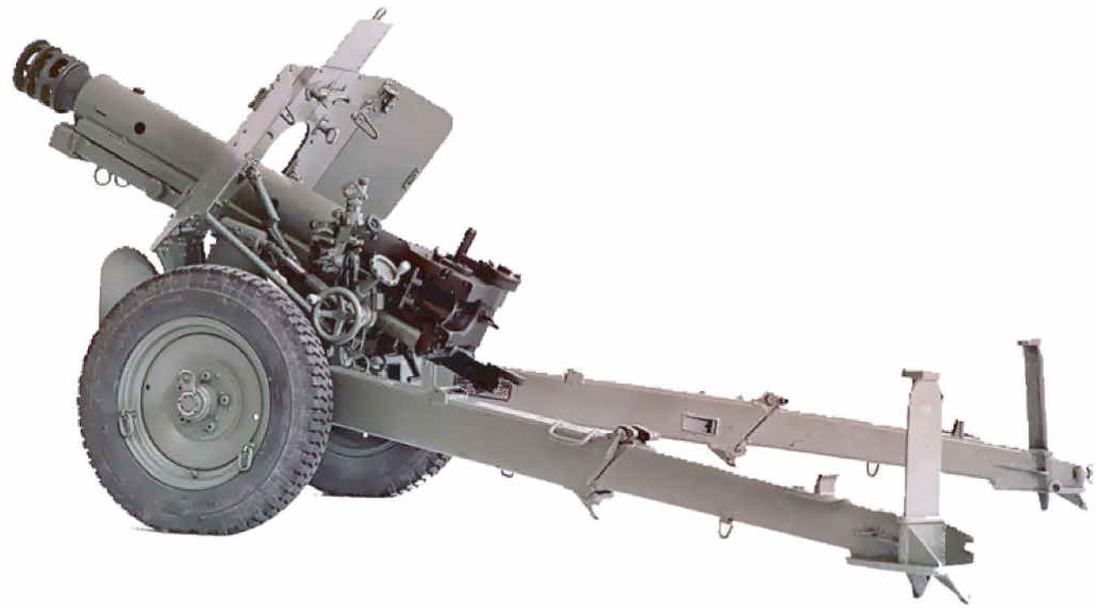
# > Howitzer 155 mm (Towed/Self Propelled)

| TECHNICAL DATA (FOR TOWED) | |
|---|---|
| Caliber | 155 mm |
| Barrel Length | 8130 mm |
| Chamber Volume | 23 l |
| Weight | 8800 kg |
| Length | 12300 mm |
| Width | 2450 mm |
| Elevation | +60 / -3° |
| Max Towed Speed | 50 km/h |
| Crew, soldiers | 8 - 10 |
| Range | 41000 m |

# > Recoilless Guns 82 mm

| TECHNICAL DATA | 82mm M79 | 82mm M60A |
|---|---|---|
| Muzzle velocity | | 388 m/sec |
| HEAT projectile | 340 m/s | |
| HE projectile | 320 m/s | |
| Maximum velocity of HEAT projectile | 460 m/s | |
| Range of HEAT projectile at Y=3m | 670 m | |
| Range of HE projectile | 2000 m | |
| Penetration of HEAT projectile | 350 mm | 250 mm |
| Field of action in elevation | ±10° | -20° +35° |
| Field of action in azimuth | ±15° | |
| Number of crew | 2 | 2 |

# > Mountain Gun 76 mm



| TECHNICAL DATA | 76mm M48 B1A5 MOUNTIAN GUN |
|---|---|
| Calibre | 76 mm |
| Barrel length | 1178 mm |
| Muzzle brake | multi-baffle |
| Recoil system | hydraulic |
| Shield | yes |
| Tires | 6.00×16 |
| Elevation/depression | +45°/-15° |
| Traverse (total) | 50° |
| Rate of fire | 25 rpm |
| Range (max-normal) | 8750 m - 8600 m |
| Crew | 6 |

# > RPG 7MX2 40 mm

| TECHNICAL DATA | 40 mm 7MX2 |
|---|---|
| Weight of the Launcher | 6,83 kg |
| Length of the Launcher | 950 mm |
| Mine Weight | 2,25 kg |
| Weight of the Warhead | 1 kg |
| Weight of the Powder Charge | 0,4 kg |
| Length of the Grenade With Powder Charge | 925 mm |