

## Organization of Japanese Artillery Units

### 75MM GUN/105MM HOWITZER FIELD ARTILLERY REGIMENT:

Total 103 officers & 2,375 men

Headquarters: 8 officers & 116 men

Forward Observation Platoon: 3 officers & 62 men

Regimental Train: 5 officers & 250 men

3 Artillery Battalions: 29 officers & 649 men each

Headquarters: 8 officers & 124 men

Train: 3 officers & 48 men

Forward Observation Squad: 3 Officers & 48 Enlisted

1 75mm Gun Battery: 5 officers & 131 men

HQ: 3 officers & 12 men

Ammunition Squad: 1 officers & 28 men

Forward Observer Squad: 1 officer & 31 men

4 75mm guns, manned by 15 men each

2 105mm Howitzer Batteries: 5 officers & 131 men each

HQ: 3 officers & 12 men

Ammunition Squad: 1 officers & 28 men

Forward Observer Squad: 1 officer & 31 men

4 105mm howitzers, manned by 15 men each

### HEAVY HOWITZER REGIMENT:

Total 71 officers & 1,702 men

Headquarters: 9 officers & 60 men

Forward Observation Platoon: 3 officers & 62 men

Regimental Train: 5 officers & 232 men

2 Artillery Battalions: 27 officers & 674 men each

Headquarters: 6 officers & 90 men

Train: 3 officers & 107 men

Forward Observation Squad: 3 Officers & 48 Enlisted

1 150mm Howitzer Batteries: 5 officers & 143 men each

HQ: 3 officers & 12 men

Ammunition Squad: 1 officers & 32 men

Forward Observer Squad: 1 officer & 31 men

4 150mm howitzers, manned by 17 men each

Type	Model 38 Gun	Improved M-38 Gun	Model 90 Gun	Model 95 Gun	Model 91 105mm How
Caliber mm	75mm	75mm	75mm	75mm	105mm
Tube Length (mm)	2,325	2,325	2,883	2,325	2,090
Weight of Tube (kg)	333	333	387	262	344
Carriage	Single Trail	Y-type Single Trail	Split Trail	Split Trail	Split Trail
Total Weight (kg)	947	1,135	1,600	1,108	1,500
Trans- portation	6 draft horses	6 draft horses	Tractor	6 draft horses	6 draft horses or tractor
Traverse	7°	7°	50°	50°	40°
Angle of Elevation	-8 to +16.5°	-8° to +43°	-8° to +43°	-8° to +43°	-5° to +45°
Shell Weight (kg)	6.34	6.34	6.37	6.34	15.76
Muzzle Velocity (m/s)	520	520	680	520	454
Max Range (m)	10,700	10,700	14,000	10,700	10,800
Date of Registra- tion	1905	ca 1918	1930	1935	1931

Type	Model 41 Mt. How	Model 94 Mt. How	Model 99 105mm Mt. Howitzer	Model 14 105mm Gun	Model 92 105mm Gun
Caliber mm	75	75	105mm	105mm	105mm
Tube Length (mm)	1,300	1,560	1,303	3,590	4,725
Weight of Tube (kg)	100	94	120	936	1,172
Carriage	Y-type single trail	Split trail	Split trail	Split trail	Split trail
Total Weight (kg)	540	536	800	3,115	3,730
Trans- portation	6 pack horses	6 pack horses	10 pack horses	Tractor	Tractor
Traverse	6°	40°	6°	30°	36°
Angle of Elevation	-8° to +40 °	-10° to +45 °	-3° to +42 °	-5° to +43 °	-5° to +45 °
Shell Weight (kg)	5.71	6.34	12.34	15,76	15,76
Muzzle Velocity (m/s)	360	392	334	640	765
Max Range (m)	6,300	8,300	7,500	15,300	18,200
Date of Registra- tion	1908	1934	1939	1925	1932

Type	Model 89 150mm Gun	Model 96 150mm Gun	Model 4 150mm Howitzer	Model 96 150mm Howitzer	Model 96 240mm Howitzer	280mm How
Caliber mm	150mm	150mm	150mm	150mm	240mm	280mm
Tube Length (mm)	5,963	7,860	2,190	3,523	5,782	2,863
Weight of Tube (kg)	3,554	6,781	885	1,388	8,366	10.5 tons
Carriage	Split Trail	non- Mobile	Single Trail	Split Trail	non- Mobile	non- Mobile
Total Weight (kg)	10,422	25,000	2,800	4,140	37,562	24.3 tons
Trans- portation	tractor	tractor	6 draft horses	tractor	tractor	fixed
Traverse	40°	120°	6°	30°	120°	360°
Angle of Elevation	-5° to +43°	-7° to +45°	-5° to +65°	-5° to +65°	-0° to +65°	-10° to +68°
Shell Weight (kg)	40.2	50	36	31.1	185	224
Muzzle Velocity (m/s)	735	860	399	540	530	160- 309
Max Range (m)	18,100	26,200	8,800	11,900	16,000	7,900
Date of Registra- tion	1929	1936	1915	1936	1936	1887

**INDEPENDENT ANTI-AIRCRAFT ARTILLERY GUN BATTERY**

Headquarters

1 Battery Commander (Capt or 1st Lt)  
1 Medical Officer  
1 1st Sergeant  
1 Supply Sergeant  
1 Intendance NCO  
1 Messenger (private)  
1 Bugler (private)  
1 Driver (private)  
1 Driver (private)  
1 Medical (private)

Equipment

9 pistols, 1 rifle, 2 scout cars

Headquarters Platoon

Platoon Leader

1 1st or 2nd Lieutenant  
1 Driver (private)

Observation Section

1 Aircraft Observer NCO  
1 Fire Observer NCO  
15 Observers (privates)  
2 Drivers (privates)

Signal Section

1 Signals Sergeant  
12 Signalmen (privates)  
2 Drivers

Machine Gun Section

6 Gunners (privates)

Equipment

8 pistols, 10 rifles, 2 MGs, 1 scout car, 1 observation  
vehicle, 1 tractor, & 1 truck

1st & 2nd Gun Platoons

Platoon Leader

2 1st or 2nd Lieutenants

1st & 2nd Squads

2 Squad Leaders  
24 Gunners  
8 Drivers

3rd & 4th Squads

2 Squad Leaders NCOs  
24 Gunners (privates)  
8 Drivers (privates)

Equipment

22 pistols, 16 rifles, 4 M-88 (1928) 75mm AA guns,  
4 tractors & 4 trucks

Ammunition Platoon

Platoon Leader

1 Warrant Officer  
1 Driver (private)

1st & 2nd Squads

2 Squad Leaders (NCOs)  
12 Gunners (privates)  
12 Drivers (privates)

3rd Squad

1 Squad Leader (NCO)  
1 Technician (privates)  
6 Gunners (privates)  
8 Drivers (privates)

Equipment

22 pistols, 16 rifles, 1 scout car, 8 trucks,  
2 maintenance trucks.

**INDEPENDENT ANTI-AIRCRAFT AUTOMATIC WEAPONS BATTERY**

Headquarters

1 Captain (Battery Commander)  
1 1st Sergeant  
1 Supply Sergeant  
1 Medical Sergeant  
1 Intendance NCO  
1 Messenger (private)  
1 Bugler (private)  
1 Medic (private)  
1 Driver (private)  
Equipment: 3 pistols, 2 rifles, 1 M-95 scout car

Headquarters Platoon

1 1st or 2nd Lieutenant (Platoon Leader)  
1 Aircraft Observation Section Leader  
1 Fire Observation Section Leader  
1 Signals Section Leader  
Equipment: 5 pitols, 22 rifles, 1 truck, 4 M-94 1-m AA range  
finders

1st, 2nd & 3rd Gun Platoons

3 1st or 2nd Lieutenants (Platoon Leaders)  
6 Squad Leaders (NCOs)  
36 Gunners (privates)  
12 Drivers (privates)  
Equipment: 6 20mm M98 AA AW, 18 pistols, 30 rifles, 6 AA AW  
carriers

Maintenance Section

1 Warrant Officer (Section Leader)  
1 Transportation Sergeant (NCO)  
1 Technician (NCO)  
4 Automchanics (privates)  
2 Blacksmiths (privates)  
2 Gunsmiths (privates)  
4 Transporattion (privates)  
5 Gunners (privates)  
14 Drivers (privates)  
Equipment: 3 ammunition trucks, 2 provisions trucks, 1 light  
replacement truck.

**ANTI-AIRCRAFT REGIMENT, TANK DIVISION**

Headquarters: 12 officers & 62 enlisted

2 75mm AA Gun Batteries (4 officers, 3 warrant officers  
& 135 men each)

HQ: 1 officer & 12 men  
Forward Observation Squad: 1 officer, 1 warrant & 36 men  
Service Squad: 2 warrants & 13 men  
2 AA Machine Gun Squads: 4 men each  
2 75mm AA Gun Squads: 1 officer & 33 men ea  
Headquarters: 1 officer & 3 men  
2 AA Gun Sections: 15 men

4 20mm AW Gun Batteries (5 officers, 2 warrants, & 110 men each)

HQ: 1 officer, 1 warrant & 10 men  
Forward Observation Squad: 1 officer, 1 warrant & 23 men  
Service Squad: 1 warrant & 29 men  
3 20mm AA Gun Squads: 1 officer & 16 men ea  
Headquarters: 1 officer & 2 men  
2 AA Gun Sections: 7 men

Service (4 officers, 2 warrants, & 145 men)

HQ: 1 officer  
Command: 2 warrants & 13men  
2 Service Squads: 1 officer & 33 men each  
Service Platoon 1 officer & 66 men

Equipment

8 75mm AA guns  
24 20mm AA AW guns  
4 machine guns  
8 vehicle mounted radio sets  
8 command cars  
24 light personnel carriers  
2 observation vehicles  
80 trucks  
12 tranctors  
3 Replacemenet trucks  
16 1-meter AA range finders

Japanese Studies on Manchuria, Vol VII, Part 1, Supporting Arms and Services,  
Artillery & Anti-aircraft Artillery Operations, Prepared for Military History  
Section, HQ, Army Forces Far East.

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