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75-mm Light Infantry Gun M18

(7.5 cm Leichtes Infantry Geschütz 18 (7.5 cm Le. I. G. 18))

This weapon was developed by Bursig in 1927 and yas the first of a mantry support pieces. It is of a asign the tube being totally enclose

by Kheinmetall of a scries of new of a rather novel closed in a square

housing having a fixed breech block. To load the weapon, the tube is tilted up clear of the breech block by the operation of a lever.

The gun is mounted on a light box trail carriage and is equipped with either wooden spoked wheels in the horse-drawn version, or with disc wheels and pneumatic tires in the motorized version.

A variant, also designed by Reinmetall-Borsig, was introduced into the German service for

.5 cm m tain troop n 1937 as the e Geb. I. (8" T gun is same for the dard model, but a split trail carriage is used, the trail legs being jointed to allow either "short" or "long" trail legs to be used. The trails have detachable spades. This equipment breaks down into 6 pack or 10 man-loads.

HE, HEAT, and Smoke rounds are fired from both equipments; charges I to V are used with the HE and smoke, and Charge V and a special charge with the HEAT shell.

It is believed to be held in reserve stocks in Bulgaria and East Germany.

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37-mm Antitank Gun

(3.7 cm Panzerabwehr Kanone (3.7 cm Pak))

his wa anda infan antitank many utbreak o orld ar II. 1939 at th edly s undo as anti the of the major power however,

it was not an outstanding weapon and the penetration performance at angles of attack other than normal was, even then, considered disappointing. it is a highly mobile weapon, normally towed on two-wheeled carriage but also capable of being carried in a light motor vehicle. Because of its light weight it was well suited for airborne use. It was introduced into the German service in 1936.

Soviet 3 hm and later mm itank well the United Stat 37-m gun v World War II antitank gun, were all close copies of this gun. Beginning in the latter part of 1940 it was gradually replaced as standard by the 50-mm Pak 38, although the introduction of a HEAT grenade launched from the muzzle kept it in service throughout the war in areas of lesser importance.

It is believed to be held in reserve in Bulgaria and Czechoslovakia.

37-mm Antitank Gun **RECOGNITION FEATURES**



50-mm Antitank Gun M38

(5 cm Panzerabwehr Kanone 30 (5 cm Pak 38))



single axle field and antitank weapons. They contribute materially in keeping down the overall weight of equipment since they permit the use of a lighter recoil system and carriage.

By 1941 standards the 5 cm Pak 38 was a good anditank gun. The German r force mounted gun in some ground att aircraft such as JU-88.

5 cp ippla d but er com-× 38

The only easily perceptible differences, except for the caliber, between this gun and its successor the 75-mm Pak 40, are in the overall dimensions.

Gun	50-mm Pak 38	75-mm Pak 40
Overall length	15 ft. 7 in.	20 it. 4 in.
Overall height	3 ft. 8 in.	4 ft. 1 in.
Overall width	6 ft.	6 ft. 10 in.

50-mm Antitank Gun M38 RECOGNITION FEATURES



75-mm Antitank Gun M40

(7.5 cm Panzerabwehr Kanone 40 (7.5 cm Pak 40))

This y rodu into vice in th n was rmy in erman and as a fantry tank ndar n. of its predecessor, 5 cm Pak cal

38, employing a muzzle brake, tubular steel trails, and solid rubber tires. Although its penetration performance was considered very satisfactory, the weight was judged to be excessive. However, it was the best towed antitank gun, of a weight that could be manhandled, available to the Germans during World War II.

he principal recognition f ation of double baffle muz: shiel main wheels, the die-ca whee s, and the castor el (fo ures are the combrake

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eld. betwee d rubber with ling). lanha

ae only e y perceptible ferend except calib tween gun a its pre foi sor, Tak 38, are in the overall dimensions. the 50

Gun	75-mm Pak 40	50-mm Pak 38
Overall length	20 ft. 4 in.	15 ft. 7 in.
Overall width	6 ft. 10 in.	6 ft.

This piece is still in service or held in in a, Czechoslovakia Albani ast G iany, Hur y, and nania.





75-mm Light Field Gun M18

(7.5 cm Leichtes Feld Kanone 18 (7.5 cm Le. F. K. 18))

This gun was developed during the period 1930before the light howitzer had replaced the light old gun in the armies of most major powers, oth Krubs and theimnetall produced prototype

Ruth Krupp and Kheinmetall produced prototype models with that of the former company being adopted for production in 1938. This has a light cavalry weapon which was replaced by the 7.5 cm Le. F. K. 38, which in turn gave way to the 105mm Le. F. H. 18 howitzer as the standard German Divisional field artillery piece.

The carriage is of the split trail type with

folding spades. The spring carriage suspension is automatically tooked when the trail legs are opened out to the firing position. Wooden artillery wheels are fitted.

The gun employes a hydraulic recoil system and a hydropneumatic type recuperator. The former is housed within the cradle below the gun tube, while the latter is supported above the tube. Spring equilibrators are used.

There are believed to be some held in reserve stocks in Bulgaria and Czechoslovakia.

75-mm Light Field Gun M18 **RECOGNITION FEATURES**



105-mm Light Field Howitzer M18

(10.5 cm Leichte Feldhaubitze 18 (10.5 cm Le. F. H. 18))

This desig into orsig introduc 1936. ecam my n div zei

d by Rheinmeta vice i e Germ the sional tillery and

remained so, being supplemented the later. models 18 (M) and 18/40. It is easy maneuver, both in firing and traveling, and has a very stable carriage. It operates smoothly and can be easily laid on tanks or other moving targets.

The gun is mounted on a split train carriage with box section riveted trail legs and folding des. Wooden-spoked, el-tired eels for the horse-drawn rsion vheels ubber res fo version are used the

sverse springs sing

artillery moto e is ec ped with

hyd neumatic

librator is ed between the saddle a cradle. ee othe odels his w on we nu-Le. F. H. 18 (M) which has a muzzle factu brake and an adjusted recoil system for increased range, and the 18/39 and the 18/40, both having muzzle brakes and being ballistically identical with the 18 (M). The model 18/40 uses the carriage of the 75-mm Pak 40 AT gun, and has both elevating and traversing handwheels on the left side of the carriage.

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It is still in service or held in reserve in bania, Bulgaria, Czechoslovakia, East Gern nd Hung ddition, it is pr nt in nited ce, Spain, Yug aes in F qua avia. rkey, an orway.

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105-mm Light Field Howitzer M18/40

(10.5 cm Leichte Feldhaubitze 18/40 (10.5 cm Le. F. H. 18/40))



carriage of the 7.5 cm Pak 40 antitank gun because that carriage was then in mass production and required a minimum amount of modification to adapt it for use with the howit

ree important features we incorporated in T nodel: th

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The carrie

rsion t is in n. the movement of the opening of the trail legs

b. Both elevating and traversing handwheels are on the left side of the carriage, so that the layer can both elevate and traverse the gun and fire it.

c. A more efficient muzzle brake was fitted. This was effected by welding proj ing w s on the muzzle brake of the Le. F. H. 18 (M).

This he vitzer is still in serv iı Europ including Czec sloval and coun Yug via.

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