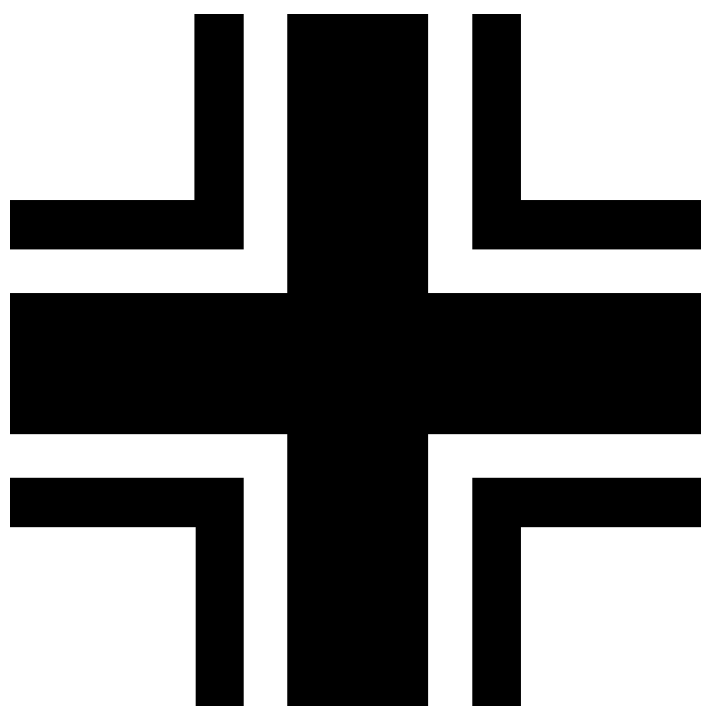


GERMAN WORLD WAR II ORGANIZATIONAL SERIES



Volume 2/II

**HIGHER HEADQUARTERS — MECHANIZED GHQ UNITS
(1.05.1940)**

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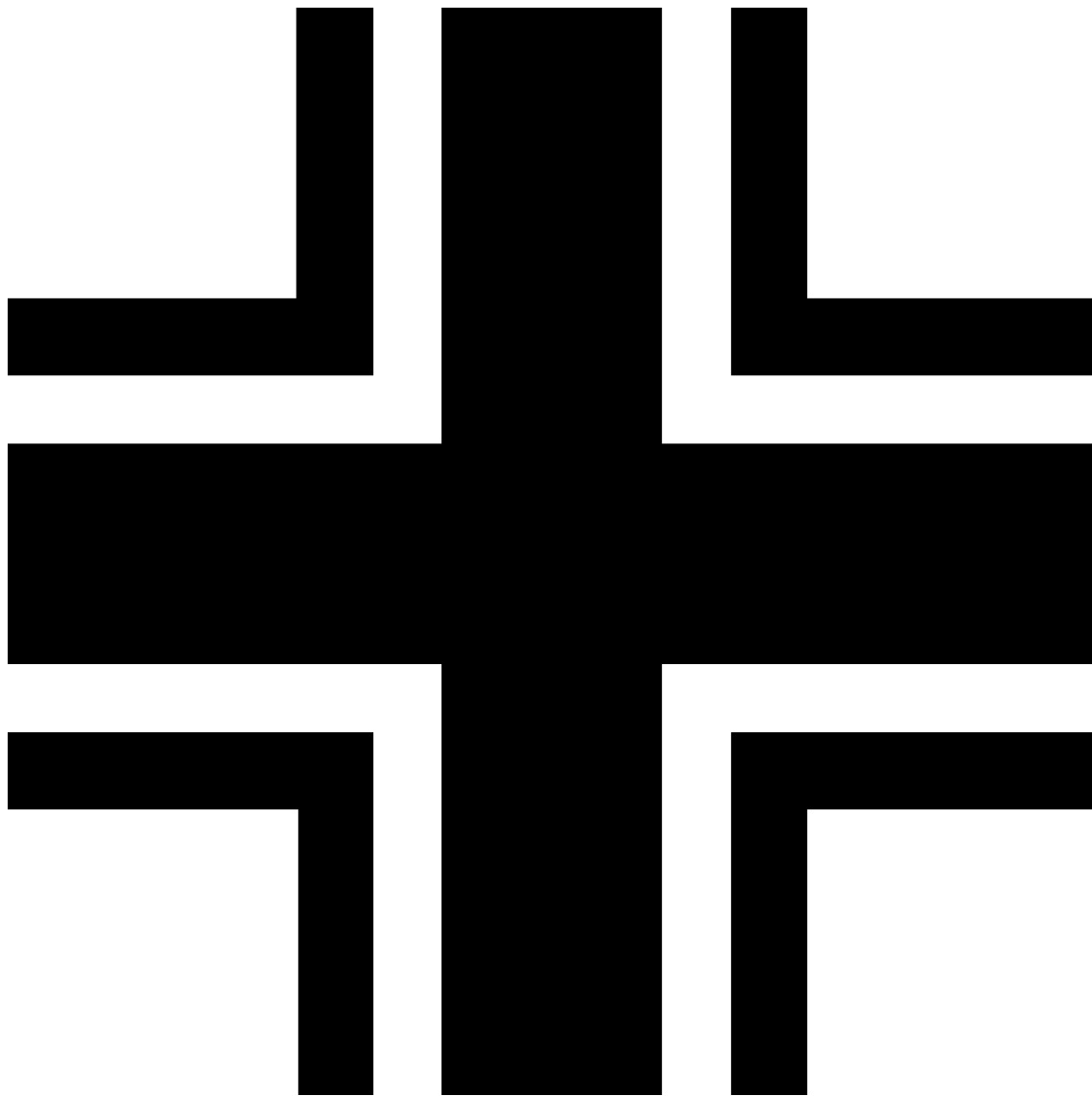
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1939 – 45	Luftwaffen Ground Combat Forces
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1939 – 45	Organizational Handbook

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by Leo W.G. Niehorster



Volume 2/II

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This edition of
GERMAN WORLD WAR II ORGANIZATIONAL SERIES
Volume 2/II
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(1.05.1940)

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THE AUTHOR

Dr. Leo Niehorster was born in The Hague, Netherlands of an American mother and Dutch father. He has lived in Holland, Peru, England, Mexico, Canada, the United States, France, and Germany. His university education has been correspondingly diverse. The University of the Americas in 1964 to 1967, University of Maryland (correspondence courses while in the US Army) from 1968 to 1972, European Business School 1972 to 1976 (BA in Business Administration), Frankfurt Fachhochschule 1978 (Dipl. Kaufmann), Columbia Pacific University 1978 to 1980 (External MA in Business Administration), Columbia Pacific University 1980 to 1982 (External PhD in History). His vocational training includes a course resulting in the degree of Telecommunications Systems Developer. He is also a licensed Apple Service Technician.

The author did his military service in the US Army from 1968 to 1972, ending up in Germany, where he stayed.

His professional career started as night shift supervisor in an airline catering service, and has spanned such activities as pizza baker at

the local Italian in Barstow, California, to product manager for long haul travel in the world's largest tour operator in Hannover, Germany. He spends most of his spare time involved in military history.

The author is a recognized authority on World War II German ground forces organization, and has put all of his expertise into the present series. Some of these books are a republishing of the original series, (which have been out of print for several years), but they have been very much enhanced and augmented, encompassing a further fourteen years of research and study in the German, American, and British archives. The revised editions as well as the new volumes in the series will be highly welcomed by all interested in German military organization in World War II.

Dr. Niehorster's previously published works include "The Royal Hungarian Army, 1920–1945", which was acclaimed as one of the Top Ten Books of 1999, and is considered by many experts to be the single most important English language history on the Hungarian Army.

GENERAL INTRODUCTION

After the 1939 Polish Campaign, army groups and armies were reorganized. The fixed organizations were done away with. They were too inflexible and had originally in any event, been a tool for mobilizing the German Army. Army groups and armies did retain the units directly assigned to the headquarters, (printing and motorcycle detachments), and did maintain a relatively standard set of GHQ service units. Naturally, Corps and other formations varied from day to day, if not hour to hour.

Corps, besides the units directly assigned to the headquarters, also retained their more or less permanently assigned signal and supply battalions. The formerly permanently assigned artillery and engineer assets had become GHQ Troops in 1939. Corps had an immense variation in the number and type of GHQ subordinate units, depending on the number and mission of formations under their command. These units varied consistently, again depending on the situation the corps, or their neighbors, found themselves in.

Neither soft-skinned motor vehicles nor indeed much other equipment was ever produced by Germany in sufficient numbers to satisfy the needs of the tables of organization. Indeed, considering the early mobilization and the state of German rearmament, it is doubtful if any unit ever had the exact number and certainly not all the types of vehicles and equipment on 10 May 1940 as prescribed by the then valid KStN.

The war diaries of Halder, Chief-of-Staff of the OKH from 1939 – 1942 (*OKH* = German Army High Command), and the official war diaries of the OKW (*OKW* = German Armed Forces High Command), are both full of remarks about the serious lack of equipment, specialist personnel, and vehicles of all sorts, including armored vehicles.

A satisfactory level of vehicles was only achieved by June 1941, but only by using French, Czech, and even Polish captured vehicles, as well as requisitioned German civilian vehicles of all sorts. Indeed, the German Army was never as well numerically at strength (i.e. according to the prevailing KStN) as it was at the beginning of the 1941 Russian Campaign on 22.06.1941.

The non-divisional units (Army Troops, Corps Troops, and General Headquarters Troops) were tools used by the German Army to form and support concentrations of offensive or defensive forces at critical sectors and main points of effort. They included the heavy artillery, combat engineers, tank and antitank, infantry, and antiaircraft combat arms, and also a vast array of noncombat units.

Information regarding the German Army non-divisional units has also been difficult to acquire. First, on 14.04.1945, most of the war diaries and records of non-divisional units were destroyed in a major Allied air raid on Potsdam, where the main German military archives were located. Second, obviously with a very few exceptions, GHQ unit histories have not been published. Hence, information regarding most units can only be found in footnotes or mentions in divisional histories, war diaries, and weapons books. Third, although sometimes orders of battle indicated GHQ units, this is the exception rather than the rule. Campaign histories are an even more unrewarding source for GHQ units.

GHQ combat units were tools used by the German Army to support concentrations of offensive or defensive power at critical sectors and main points of effort, (such as heavy artillery, combat engineers, antitank, and antiaircraft.) Other units contained very specialized, (such as flame-throwing tanks), scarce, (such as self-propelled 88mm Flak), or experimental (such as mine-clearing vehicles), and were specially trained in their use. GHQ units also had equipment or missions whose effect was beyond normal divisional control capabilities, (such as super heavy artillery.) Virtually all GHQ combat units were mechanized. GHQ rear echelon units were used to provide enhanced logistics support where needed.

Although eagerly sought after, and provided with extra supply and service elements, GHQ units were basically orphans, and often had to scrounge for needed spare parts, ammunition, supplies, and other necessities. They were continually reassigned to different formations and commands, trained for and expected to operate independently. GHQ units were not supposed to be left in the line for defensive purposes, nor for consolidating recently taken positions. They were supposed to be removed from the line to the rear to pull maintenance, restore full fighting power, and be ready for use elsewhere.

The unit commanders, (for companies usually captains, for battalions usually majors or lieutenant colonels), were expected to be able to assert themselves against divisional, brigade, and regimental commanders. Not an easy task in the German Army.

Higher commanders were in turn enjoined by standing orders to consult with the unit commanders regarding the tactical capabilities and use of their specialized units, which had to excel in the use of their own specialized equipment, that of commands to which they were assigned, and be able to mesh the two into an efficient combat tool. Independence, initiative, and intelligence were prime requisites for commanders to lead these units in continually changing environments and situations, and they were particularly selected for their aggressiveness in an already aggressively trained army.

This book draws on the official German tables of organization (*Kriegsstärkenachweisung*), orders of battle (*Kriegsgliederung*), and Army Publications (*Heeresdienstvorschrift*). Material in archives in various countries has been extensively researched. The published material contained in the sources and references section indicates publications which were consulted, (although not necessarily used), and is basically meant to assist the reader in familiarizing himself with the subject of the German Army of the period.

In a project as immense as this one, it is necessary to rely upon the direct assistance of others. I would like to mention the following for their valuable assistance: Piet Duits; Thomas L. Jentz; Brün Meyer; William Russ; Adolf Schönefeld. To all of them, my continuing thanks.

The author apologizes for any mistakes that have happened during this process, (they are only my own), and welcomes critical comments and suggestions. Should any reader possess more founded information, or even the original documents thereto, I would appreciate hearing from them, so that in a future edition, the corresponding corrections can be inserted for the benefit of all.

Preface to the Second Edition

This second edition has been thoroughly revised, amended, and updated. It now includes the divisional support services as well as the trains of the all units and headquarters. Text (originally done on an IBM Composer), layout, and the drawings (originally done by hand), have been redone on a computer. New units have been added.

I wish to thank the many readers around the world who have responded to my request to provide additions, corrections and new information, as well as all those who have written and encouraged me to continue this work. If I have not already done so personally, thank you for your patience, support, and encouragement.

HOW TO READ THE CHARTS

Dates are indicated in the following manner: Day.Month.Year. (Thus 1.09.1943 is the 1st Day of September 1939).

The ordinator for numbers in German is the dot (“.”). Where German units are referred to in their original German designation, this practice has been followed. E.g. *14. Panzer-Division* is the German way of designating the 14th Armored Division.

The Germans normally referred to the large formations and the smallest units with an ordinator (i.e. armies, corps, divisions, brigades, and regimental battalions, as well as companies and platoons), whereas army groups, regiments and independent battalions were referred to in the reverse order. I.e. *Heeresgruppe Mitte, Artillerie-Regiment 103 (mot), or Panzer-Abteilung 33*. To facilitate the location of the various units and to present a uniform system of identification, all units have the identifying numbers indicated first in this work. Army groups, having names as opposed to numbers, have their designations indicated last.

Numbers in German can be confusing to Anglo-Saxons, as the decimal point becomes a decimal comma:

German: 10,5 English: 10.5 = (ten and a half)

Similarly, the comma used to separate thousands is also reversed:

German: 10.000 English: 10,000 = (ten thousand)

Where using German designations, the German practice has been followed (i.e.: *3,7cm Pak*). Otherwise, the English usage prevails: (i.e. 37mm anti-tank gun), using the millimeter system instead of the German WW II system based on centimeters.

Military motor vehicles and armored fighting vehicles (AFV) have a number behind them in brackets. This number refers to either the German model number (either *Kfz.* = *Kraftfahrzeug*, or to *Sd. Kfz.* = *Sonder Kraftfahrzeug*); or to the tonnage of the carrier. For civilian-type personnel and load carriers without a special number, the engine size or the weight classification is indicated instead. E.g.: truck (3-ton) refers to a cross-country (all-wheel-drive) load-carrier with a 3-ton load factor. Truck

(medium) refers to a civilian (rear-axle-driven) load carrier with a load factor of between 3 to 4.4 tons. Halftrack (7) refers to the 8-ton halftrack (*Zugkraftwagen*) with the *Sd.Kfz.* number 7. Car (2) refers to the light personnel carrier with the *Kfz.* number 2. Etc. Etc. The reader is referred to the sections on vehicles in the back of this book.

Van is a load carrier with a closed, hard body, (usually of wood), used for office and communications work. Truck is a load carrier having an open bed, which could be fitted with a tarpaulin stretched over tubular metal or wooden hoops.

The diagrams are based on reproductions of German organizational symbols of the period.

The text beneath each diagram has been used to clarify it, and to give details about composition and the amounts of sub-units. It breaks down the KStN, giving numbers and date of issue. KStN that are no longer available are marked thus: *)

The vehicles or items indicated behind the unit being described indicate the amounts in one of these units. E.g.:

3 Lt Tele Sect: 1 car (2), means that the three light telephone sections each have one light communications vehicle (*Kfz.* 2).

In some cases, sections do not have their own vehicles, or several sections share a vehicle. In these two cases, this is indicated in the text. E.g.:

1 Mortar Section: rides with one of the infantry squad's vehicles, or,
2 Pack Radio Sect: ride together in one truck (2-ton).

The designation “Trains” includes all the administrative, supply, rations, and baggage elements of the corresponding unit. Although maintenance sections and detachments were included under this designation, they have usually been presented separately for clarity.

In some cases, manpower number have been indicated as follows:
(# Officers – Beamte – Non-Commissioned Officers – Enlisted Men)

TABLES OF ORGANIZATION – KRIEGSTÄRKENACHWEISUNGEN

German unit organizations were based on tables of organization, (*Kriegstärkenachweisungen* - KStN). Every unit raised had them, and all orders raising units indicated the corresponding KStN numbers and dates which applied for them. These orders also indicated any modifications that might apply at the time.

The Germans did not necessarily issue their KStN on the dates indicated on them, and it is highly unlikely that units conformed to the KStN on their issue dates. The KStN could be distributed before or after (retroactively to) the issue date. The issue date merely referred to a specific deadline upon which the KStN was to become effective. Standard KStN were always dated on the 1st of the month. Provisional KStN were dated any other day of the month. These provisional KStN, (issued to test new organizations and changes to be promulgated), were then replaced by the official, standard KStN when ready. Sometimes, these provisional KStN remained in force and in effect became the standard KStN. In such cases, a ‘standard’ KStN (with an issue date on the 1st of the month), was not issued at all.

As new KStN appeared, the old ones were supposed to be destroyed in the field. The bombing and the ensuing fire caused the destruction of the Potsdam military archives in 1945, which means that only portions of the KStN remain today.

KStN could be modified (changed) by General Army Memorandums (AHM – *Allgemeine Heeresmitteilungen*) and also by orders issued by the various arms inspectorates or higher headquarters. These agencies continually changed and modified the KStN, adding a vehicle here, deleting a soldier or three there, or making other modifications.

The KStN are identified by their original issue date in this book. Such changes as made by the orders mentioned above have been incorporated, but the dates of authorizations for these changes have not been indicated.

The Germans occasionally published lists with valid KStN at specific periods, approximately once a year. Some of the KStN indicated on these lists were never published, or they were issued, but with a remark that they were not to be implemented until further notification, (or specific orders), which, in some cases, was never forthcoming. Some KStN existed only a short time, never appearing on these validity lists, (either cancelled, never authorized, or superseded).

Other KStN were issued twice under the same date with minor modifications. The validity of the second one was indicated by underlining the date. Any KStN issued on that date had to have the date underlined to be valid.

KStN and changes became valid when authorized by higher headquarters and then applied immediately to unit strength reports. Internal reorganizations of the units were not made until the indicated units were able to implement them. This might mean having to wait until the units could be withdrawn from combat and having time for training and administrative matters. Units to be issued with new and particularly complicated equipment were withdrawn to training grounds, transferring most of their old equipment to other units upon departure. A new unit was normally raised, trained, and equipped at one of the training grounds and then sent to the front, where normally (but not always immediately) it joined its parent unit or formation.

The author has extrapolated the missing KStN from other KStN, which could be either contemporary and similar, or of the same KStN of later and/or earlier dates. The KStN number of the unit being defined in this case has an *) behind it. These educated guesses are also based on what information could be gleaned from orders of battle, unit histories (where available), unit strength reports, and German tactical doctrine manuals of the period.

It is important to emphasize that KStN indicated the maximum authorized organization. In many cases, they represented an ideal organization which in reality was not achieved.

The symbols in this book are based on the official German handbook of military symbols (H.Dv. 272) of 1938 – with amendments of the symbols as used in the organizational charts (Besondere Anlage 8 of the Mobilization Plans of 1939/1940). Where symbols in the latter are at variance with the former, those symbols of the organizational charts have been used.

In German organizational charts (and, as reflected in this book), the headquarters symbol represents two purposes. First, it indicated the size, function, and mobility of the unit. And, second, it also indicated the headquarters of that echelon itself. I.e., there was no separate symbol for this echelon's headquarters. For all headquarters units with (and sometimes important units without) separate KStN, the corresponding symbols were placed to the right of the echelon's symbol. The same applied to those units that were directly assigned to the echelon's headquarters.

The different functions and mobility additions were used to enhance the echelon's symbol to indicate a specific purpose. Company-sized units and sub-units symbols were also modified in a similar fashion.

An interesting feature of company and sub-unit symbols is that their size and shape dimensions could be altered to fit the diagram being depicted with them. Several infantry companies, for example, were placed side-by-side, elongated upwards, (so that all weapons symbols could fit within), and only the left-hand company had the thickened edge used to indicate its size (more of this below). The variations in size and shape followed the original configuration, so that the basic symbol was still recognizable as such.

The symbols were intended to be mnemonic. The headquarters symbols reflected the units' pennants used on vehicles or the standards themselves. (These flags and pennants were of different colors to represent the various combat arms, and usually had a number, letter, and/or heraldic symbol superimposed upon them). Hence, any German looking at one of these symbols could immediately recognize the unit type being depicted. The colors in real life were substituted by the unit function and mobility modifiers above and below the symbols. In addition, a simplified version of the organizational symbols was, for example, painted on unit vehicles.

The mobility of the unit was also quickly recognizable. The two small circles ('wheels') underneath a symbols identified the unit as being motorized. In case these wheels were over the symbol (applied only to artillery-type units), this indicated that the unit was motorized by half-tracked prime movers. Elongated ovals ('tracks') applied underneath the symbol meant that the unit was self-propelled. A wheel and a track symbol indicated a half-tracked armored vehicle.

Although the official handbook indicated that armored infantry units should have the half-track symbol underneath them instead of the motorized symbol, this practice was not yet followed in most organizational charts at that time. The diagrams in this book reflect this usage.

The lozenge symbol represented armor. All tank units used this symbol. It was shaped to reflect World War I tanks, and hence provided a good memory assist.

Aside from a very few specialized symbols, which were quickly memorized, all company-sized and smaller unit symbols tended to reflect the units' function or at least their main weapon. In most cases, a unit too difficult to depict easily was instead represented by a box with a corresponding abbreviation inside. In case it belonged to a particular arm, the arms symbol could be placed on top of or within this box. Where various modifiers applied, these were all added to the symbol.

Company-sized units had, somewhere within their symbol, a thickened part, usually a side. The only exception found was the Baker Company, which merely had the symbol representing a loaf of bread.

Excluded from this were the firing artillery (tube, rocket-launcher, and Antiaircraft) batteries. There, the weapon symbol itself in firing batteries (usually with the number of guns underneath) indicating a

battery. (Firing artillery in units smaller than battery size were depicted on a smaller scale). None-firing batteries of the artillery arm followed the normal form of thickening a portion of the symbol to indicate their size. Infantry-type artillery (Antiaircraft and infantry gun) and well as machine gun companies followed the normal practice, and the weapon symbols representing these types of companies had the upright stems thickened accordingly.

Where several columns, platoons, or detachments were gathered under a company headquarters, (such as a heavy company) – and each of these sub-units had its own KStN – these symbols were placed side-by-side and had a company echelon symbol placed over them.

The Germans numbered their units on organizational charts from the right. I.e., the first company was on the far right, and the last company was on the far left. The same applied to battalions and regiments.

Units smaller than companies appeared on organizational charts only if they had their own KStN. Exceptions occurred, particularly if headquarters sub-units had specialized equipment. They were depicted on a smaller scale than company-sized units.

Staffel (Detachment) A unit of varying size with several components under a headquarters section, these components could be from section to platoon size. Often this was merely an administrative grouping, and the components were distributed to other sub-units in combat. It could either have its own small headquarters section, or one of the components' leaders could carry out a dual function.

Kolonne (Column) An independent transportation unit, varying from company to platoon size, transporting equipment or supplies such as a bridge column (which in fact did not actually built the bridge it was transporting), or even as an light 'infantry' column (which consisted of a set number of horse-drawn vehicles capable of transporting a fixed tonnage).

Zug (Platoon) An independent unit or the typical main sub-division of companies and batteries. Usually, the 1st and 2nd platoons in each company-sized unit, and also of independent platoons, were lead by a lieutenant, while the other platoons were headed by a senior NCO.

Trupp (lit. Troop; Section) A small unit, equipped with specialized equipment; it could also be part of the designation for a headquarters echelon unit.

The units indicated below were not depicted as separate symbols.

Halb-Zug (lit.: Half-Platoon) Some platoons, for example HMG Platoons, could be divided into two parts.

Gruppe (Squad, Section) This was normally the smallest sub-unit that existed in the German Army. In this book, the word "Squad" has only been used for infantry and reconnaissance infantry units. All other units of this size have been designated as "Sections".

Halb-Gruppe (lit. Half-Squad, i.e. Team) In the case of infantry and reconnaissance units, squads could be broken down into two parts. Infantry and reconnaissance squads were built up around the squad LMG. Where only one LMG was provided, the LMG team provided cover while the other team was the movement element. Where two LMG were available, the teams covered each other in turns. Reconnaissance teams, on the other hand, were trained to work independently, although they too could function as a squad.

German Organizational Symbols 1940

SIZE, FUNCTION, MOBILITY

LUFTWAFFE GROUND COMBAT UNITS

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WEAPON SYMBOLS

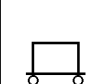
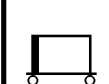
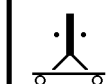
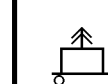
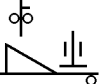
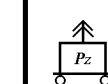
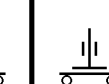
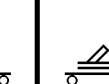

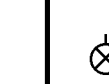




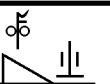









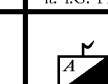





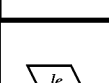

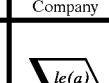
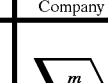

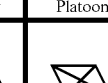
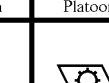
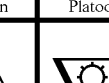

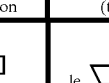


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INFANTRY UNITS AND MOUNTAIN UNITS



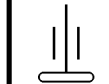
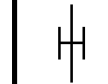
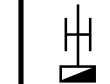




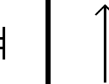
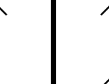
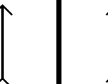
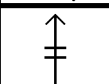
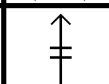
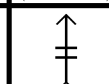
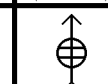
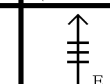
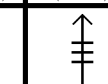
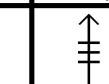

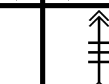
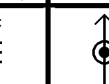

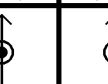
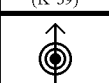
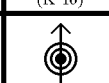


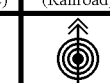
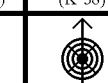
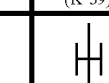



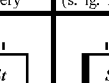
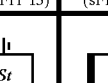
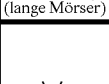
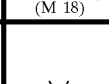
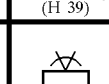
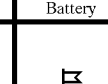
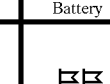
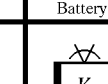
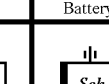
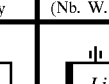
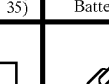

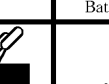

ENGINEER UNITS

German Organizational Symbols 1940

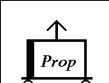
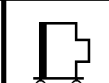
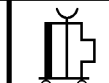

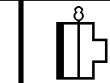



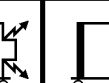
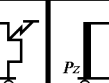
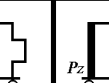
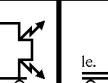
MOBILE TROOPS

 Motorized Infantry Platoon	 Motorized Infantry Company	 Motorized Machine Gun Company	 Motorized Heavy Company (typical example)	 Motorized Engineer Platoon	 Motorized Infantry Gun Platoon	 Motorized Mortar Platoon		 Motorcycle Infantry Platoon	 Motorcycle Infantry Company	 Motorcycle Machine Gun Company	
 Cavalry Bicycle Recon. Co.	 Motorcycle Recon. Platoon	 Motorcycle Recon. Company	 Motorized Heavy Reconnaissance Company (typical example)	 Motorized Recon. Lt. I.G. Plt.	 Armored Car Platoon	 Armored Car Company	 Mot. Recon. Signal Platoon	 Light Recon. Transport Column			
 Cavalry Platoon	 Cavalry Company	 Cavalry Machine Gun Company	 Cavalry Bicycle Company	 Cavalry Heavy Company	 Cavalry Recon. Platoon	 Cavalry Infantry Gun Platoon	 Cavalry Engineer Platoon	 Cavalry Anti-Tank Platoon	 Cavalry Motorized Heavy Company (typical example)	 Cavalry Signal Platoon	
 Light Tank Platoon	 Light Tank Company	 Light Tank Company a	 Medium Tank Company	 Headquarters Company	 Reserve Tank Detachment	 Tank Maintenance Platoon	 Tank Maintenance Company	 Armored Signal Platoon	 Light Panzer Transport Column	 Motorized Anti-Tank Company	 Self-Propelled Anti-Tank Company




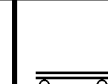




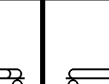

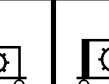
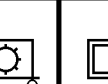
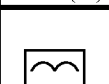
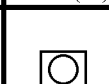
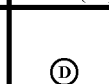
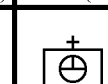
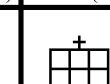
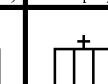





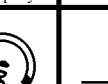
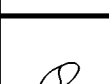






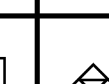



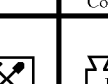
ARTILLERY UNITS

 75mm Field Gun Battery	 75mm Mtn. Gun Battery (GK 15)	 Assault Gun Battery (Sd.Kfz. 142)	 75mm Field Gun Battery (FK 16nA)	 75mm Cav. Gun Battery (FK 16nA)	 75mm Field Gun Battery (FK 18)	 105mm Field Howitzer Battery	 105mm Field Howitzer Bty. (l. FH 16)	 105mm Field Howitzer Bty. (l. FH 18)	 105mm Gun Battery	 105mm Gun Battery (K 17)	 105mm Gun Battery (K 18)
 150mm Gun Battery (K 39)	 150mm Gun Battery (K 16)	 150mm Gun Battery (K 18)	 150mm Gun Battery (How. Base)	 203mm Gun Battery (Railroad)	 210mm Gun Battery (K 38)	 210mm Gun Battery (K 39)	 240mm Gun Battery	 240mm Gun Battery (K 3)	 Heavy Field Howitzer Battery	 150mm Field Howitzer Bty. (s. lg. FH 13)	 150mm Field Howitzer Bty. (sFH 18)
 210mm Howitzer Bty. (lange Mörser)	 210mm Howitzer Bty. (M 18)	 240mm Howitzer Bty. (H 39)	 305mm Howitzer Battery	 355mm Howitzer Battery	 420mm Howitzer Battery	 88mm Anti-Aircraft Battery	 105mm Rocket Launcher Bty. (Nb. W. 35)	 Decontamination Battery	 Headquarters Battery	 Motorized Headquarters Battery	 Hqs. Bty. Art. Obs. Battalion
 Motorized Calibration Detachment	 Mountain Calibration Detachment	 Calibration Platoon	 Weather Detachment	 Motorized Weather Platoon	 Calibration Battery	 Sound-Ranging Battery	 Flash-Ranging Battery	 Balloon Detachment	 Motorized Balloon Battery	 Artillery Transport Column (mot)	 Artillery Motor Towing Detachment

SIGNAL UNITS

 Motorized Propaganda Company	 Motorized Signal Company	 Motorized Telephone Company	 Mountain Telephone Company	 Telephone Construction Company	 Wire Construction Company	 Telephone Operations Company	 Motorized Radio Company	 Motorized Interception Company	 Armored Signal Company	 Armored Radio Company	 Light Signal Transport Column (mot)
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REAR ECHELON UNITS

 Horse-Drawn Transport Column (15t)	 Horse-Drawn Transport Column (30t)	 Horse-Drawn Transport Column (60t)	 Motorized Transport Column (30t)	 Motorized Transport Column (60t)	 Motorized Supply Company	 Motorized P.O.L. Col. (25cbm)	 Motorized P.O.L. Col. (50cbm)	 Motorized Water Tanker Col. (60cbm)	 Motorized Maintenance Platoon	 Motorized Maintenance Company	 Park
 Carrier Pigeon Dovecot	 Motorized Mapping Detachment	 Motorized Printing Detachment	 Casualty Transport Company	 Casualty Field Hospital	 Light Casualty Field Hospital	 Field Hospital	 Medical Company	 Motorized Ambulance Platoon	 Veterinary Company	 Veterinary Hospital	 Mot. Horse Transport Column
 Motorized Bakery Company	 Motorized Butchery Platoon	 Commissary Detachment	 Motorized Field Post Detachment	 Motorized Military Police Platoon	 Motorized Military Police Company	 Secret Field Police Detachment	 Survey Detachment (motorized)	 Survey Company (motorized)	 Survey Printing Det. (mot)	 Labor or Construction Company	 Armored Train

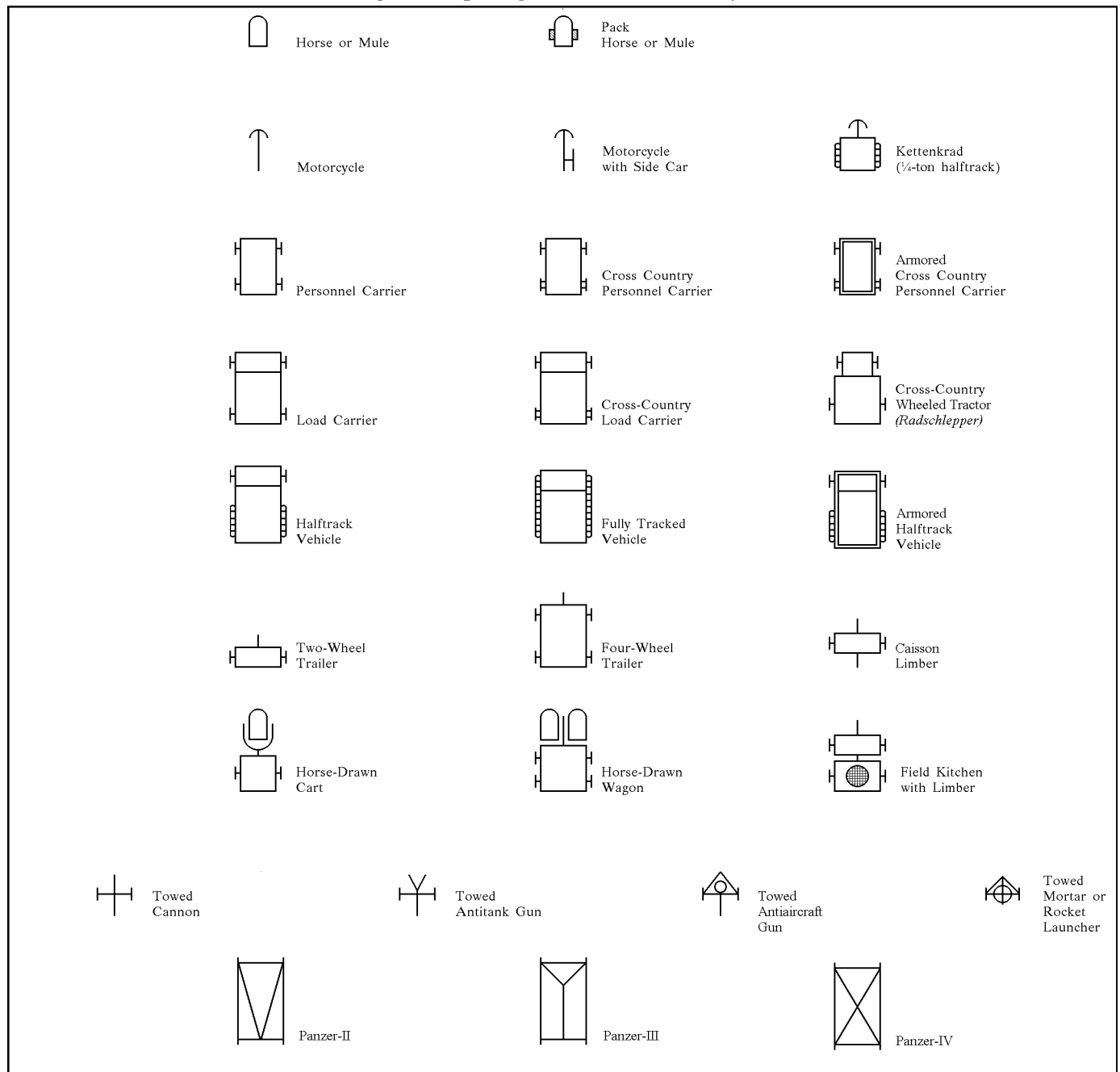
Pictograms Depicting Individual Figure Symbols (excerpts)

Symbol	Billet Group	Definition	Symbol	Billet Group	Definition
⚙	D	Divisional Commander / General Officer in a "D" Group billet <i>Divisionskommandeur / Offizier in D-Stelle</i>	○	M	Enlisted Man <i>Mann</i>
⚙	I	Infantry, Artillery, or Brigade Commander / General Officer in an "I" Group billet. <i>Infanterie-, Artillerie-, Brigadekommandeur / Offizier in I-Stelle</i>	⊙	M	Messenger in the Company Headquarters Section <i>Melder beim Kompanietrupp</i>
⚙	R	Regiment Commander / Officer in an "R" Group billet <i>Regimentskommandeur / Offizier in R-Stelle</i>	✂	M	Messenger with Scissors Telescope in the Company Headquarters Section <i>Melder beim Kompanietrupp / zugleich Scherenfernrohrträger</i>
⚙	B	Battalion Commander / Officer in a "B" Group billet <i>Abteilungs- bzw. Bataillonskommandeur / Offizier in B-Stelle</i>	⊙	M	Messenger / Bugler in the Company Headquarters Section <i>Melder beim Kompanietrupp / zugleich Hornist</i>
⚙	K	Company, Squadron, or Battery Commander / Officer in a "K" Billet group <i>Kompanie-, Schwadron-, bzw. Batterieführer / Offizier in K-Stelle</i>	⊙M	M	Messenger on Bicycle in the Company Headquarters Section <i>Melder beim Kompanietrupp auf Fahrrad</i>
⚙	K	Company Headquarters Section Leader <i>Kompanietruppführer</i>	⊙	M	Bicyclist in the Company Headquarters Section <i>Radfahrer beim Kompanietrupp</i>
⚙	K	Battalion Physician <i>Bataillonsarzt</i>	⊙	M	Messenger on Motorcycle in the Company Headquarters Section <i>Kraftradfahrer als Melder beim Kompanietrupp</i>
⚙	Z	Platoon Leader / Officer in a "Z" Billet group <i>Zugführer / Offizier in Z-Stelle</i>	⊙M	M	Motorcyclist in the Company Headquarters Section <i>Kraftradfahrer beim Kompanietrupp</i>
⚙	Z	Medical Officer / Assistant Physician <i>Sanitätssoffizier / Hilfsarzt</i>	⊙	M	Medic in the Company Headquarters Section <i>Sanitäter beim Kompanietrupp</i>
⚙	-	Higher and Upper Service Career Civilian Employee (commissioned rank official) <i>Beamter Gehobener und Höherer Dienst (in Offiziersrang)</i>	⊙	M	Messenger in the Platoon Headquarters Section <i>Melder beim Zugtrupp</i>
⚙	O	Middle Service Career Civilian Employee (senior noncommissioned rank official) <i>Beamter Mittlerer Dienst (im Unteroffiziersrang)</i>	⊙	M	Messenger / Bugler in the Platoon Headquarters Section <i>Melder beim Zugtrupp / zugleich Hornist</i>
⚙	O	Senior Sergeant <i>Oberfeldwebel</i>	⊙ ^P	M	No. 1 Antitank Gunner <i>Schütze 1 im Panzerbüchsenentrupp</i>
⚙	O	Senior Sergeant, Leader <i>Oberfeldwebel, Führer</i>	⊙ ^P	M	No. 2 Antitank Gunner <i>Schütze 2 im Panzerbüchsenentrupp</i>
⚙	O	Senior Staff Sergeant <i>Stabsfeldwebel</i>	⊙	M	Sniper <i>Scharfschütze</i>
⚙	O	Company First Sergeant <i>Hauptfeldwebel</i>	⊙	M	Scissors Telescope Carrier <i>Scherenfernrohrträger</i>
⚙	O	Company First Sergeant on Bicycle <i>Hauptfeldwebel auf Fahrrad</i>	⊙	M	Distance Measurer <i>Entfernungsmessmann</i>
⚙	O	Explosives Sergeant <i>Feuermeister</i>	⊙	M	Telephone Operator / Wireman <i>Fernsprecher</i>
⚙	G	Platoon Headquarters Section Leader <i>Zugtruppführer</i>	⊙	M	Radio Operator <i>Funker</i>
⚙	G	Sergeant <i>Unteroffizier</i>	⊙	M	Machine Gunner <i>Maschinengewehrschütze (Richtschütze)</i>
⚙	G	Middle Service Career Civilian Employee (junior noncommissioned rank official) <i>Beamter Mittlerer Dienst (im Unteroffiziersrang)</i>	⊙	M	Assistant Machine Gunner <i>Maschinengewehrschütze</i>
⚙	G	Sergeant (Section / Squad) Leader <i>Gruppenführer</i>	⊙	M	Rifleman with Grenade Launcher <i>Schütze mit Schießbech (Gewehrgranatgerät)</i>
⚙	G	Sniper Section Leader <i>Führer des Scharfschützentrupps</i>	⊙	M	No. 1 Mortarman <i>Granatwerferschütze 1</i>
⚙ ^P	G	Antitank Rifle Section Leader <i>Führer des Panzerbüchsenentrupps</i>	⊙	M	No. 2 Mortarman <i>Granatwerferschütze 2</i>
⚙	G	Assistant (Section / Squad) Leader <i>Stellvertretender Gruppenführer</i>	⊙	M	Stretcher Bearer <i>Krankenträger</i>
⚙	G	Sergeant filling position of a Senior Sergeant <i>Oberfeldwebel Diensttuer</i>	⊙	M	Bicyclist <i>Radfahrer</i>
⚙	G	Sergeant with Scissors Telescope <i>Unteroffizier mit Scherenfernrohr</i>	⊙	M	Motorcyclist <i>Kraftradfahrer</i>
⚙	G	Medical Sergeant <i>Sanitätsunteroffizier</i>	⊙	-	Foreign Auxiliary Volunteer <i>Hilfswilliger</i>
⚙	G	Mortar Section Leader <i>Unteroffizier, Führer des Granatwerfertrupps</i>	⊙	M	Lower Service Career Civilian Employee (enlisted rank official) <i>Beamter Einfacher Dienst (im Mannschaftsrank)</i>
⚙	-	Artillery Observer <i>Artilleriebeobachter</i>	⊙	M	Motor Vehicle Driver <i>Kraftfahrer</i>

Abbreviations:

Adj	Adjutant	o.O.	Ordonnanz Offizier	Aide to a General Staff Officer
B	Fahnenschmied	Ord	Ordonnanz	Enlisted orderly
Bäck	Bäker	Pf	Pferdehalter, Pferdepfleger	Horse Holder, Groom
Be	Beamte	Pi	Pionier	Pioneer / Engineer
Beob	Beobachtung	Pol	Polizei	Military Policeman
Beritt	Berittführer	R	Rechnungsführer	Accounts Clerk
Betr	Betriebsstoff	Rech	Rechner	Calculator
Bl	Blinker	RK	Richtkreis	Direction Finder
Dreh	Dreher	Rad	Radfahrer	Bicyclist
Druck	Drucker	S	Scherenfernrohr	Scissors Telescope
Elt	Elektromechaniker	San	Sanitäts-	Medical / Medic
EM	Entfernungsmesser	Sat	Sattler	Saddle Maker
F	Feuermeister	Schir	Schirrmeister	Specialist Sergeant
Fahr	Fahrer		Schirrmeister (Ch)	for Chemical Warfare Equipment
Fe	Fernsprecher		Schirrmeister (F)	for Horse-Drawn Transportation Matters
Fhr	Führer		Schirrmeister (Fz)	for Army Ordnance Matters
Ft	Futter		Schirrmeister (K)	for Motor Vehicle Equipment
Fu	Funker		Schirrmeister (P)	for Engineering Matters
FuM	Funkmeister		Schirrmeister (Sch)	for Searchlight Equipment
G	Gerät	Schl	Schächter	Butcher
Gas	Gasschutz	Schm	Schmied	Smith
GewF	Gewehrführer	Schn	Schneider	Tailor
H	Handwerker	Schr	Schreiber	Clerk
H	Hauptfeldwebel	Schu	Schuhmacher	Cobbler
Ing	Ingenieur	Stell	Stellmacher	Wheelwright
K	Koch	St	Stellungs-	Ranging
Kf	Kraftfahr	Tisch	Tischler	Carpenter
Kl	Klempner	V	Verpflegung	Commissary / Rations
L	Ladeschütze	V	Verwaltung	Administration
M	Melder	Ver	Vermessungsmann	Distance Measurer
Mal	Maler	Vet	Veterinär	Veterinary
Mau	Maurer	W	Waffen-	Armorer
Meß	Messdienst	WF	Waffenführer	Weapon Commander
Mot	Motorenschlosser	Wm	Waffenmeister	Master Armorer
Mun	Munition	Zahl	Zahlmeister	Paymaster
N	Nachrichten	Ze	Zeichner	Draftsman

Pictograms Depicting Vehicle and Animal Symbols

**NOTES to personnel symbols:**

The basic symbols with a few examples are depicted here. Other depictions use these basic symbols in combination, usually enhanced by abbreviations. The symbols were used to define billets (personnel positions / slots). Not ranks.

There was no fixed use of abbreviations, and to find their meaning, it is helpful to observe where they are used and what billet they might represent. If a billet held a certain title, but the symbol alone was unclear, an abbreviation was added. In other cases, the symbol itself was unable to depict all characteristics of the position, and the abbreviations were used to define the missing ones.

Some diagrams used a simplified symbol version. The personnel symbols were kept very basic, and they were not liberally decorated with abbreviations. Abbreviations might be reduced, whereby, for example, merely an "S" instead of "Schir" for the Specialist Sergeant, or "P" instead of "PF" for the grooms were used, etc.

See also:

German Army ranks and Stellengruppen (billet groups), in the Annex
German military personnel job descriptions, in the Annex

NOTES to vehicle symbols:

There was no fixed use of abbreviations, and to find their meaning, it is helpful to observe where they are used and what vehicle is meant.

Most pictograms were not liberally decorated with these abbreviations, and some diagrams used a simplified symbol version.

Where diagrams have not been available, the simplified form of symbols has been used.

Abbreviations found with vehicle symbols:

A	Stromerzeugeraggregat	generator Type A
Be	Belag	bridge tread
Bo	Bock	trestles
D	Stromerzeugeraggregat	generator Type D
Dr	Drucklufizerzeuger	air compressor
Fl	Flossack	rubber raft (lit.: air bags)
FL.S.	Flossack-Schnellsteg	assault bridge on rubber rafts
Fs	Fahrseil	winch
Ks	Kradschützensteg	motorcycle bridge
M	M-Bootanhänger	trailer with motor boat
P	Ponton	pontoon
Rp	Rampen	ramps
Sl	Sammlerladegerät	accumulator (battery) charger
Sp	Spurtafel-Brücke	narrow assault bridge
Stb	Sturmbootanhänger	trailer with assault boats
T	Träger	support beams
Tl	Tiefladeanhänger	low bed trailer
Üs	Übergangsschienen	connecting ramps

<i>Abbr.</i>	<i>German</i>	<i>English</i>	<i>Abbr.</i>	<i>German</i>	<i>English</i>
A	Armee	Army	Kol	Kolonne	Column
AA	–	Antiaircraft	Kp	Kompanie	Company
A.A.	Aufklärungs-Abteilung	reconnaissance battalion	Krad	Kraftrad	motorcycle
Abt	Abteilung	Battalion echelon unit	KS	Kabelschalt	cable switching
Abschn	Abschnitt	Sector	KStN	Kriegsstärkenachweisung	Table of Organization
AFV	–	armored fighting vehicle	kz	kurz	short
Agr	Armeegruppe	temporary group of several Corps			L
Ammo	–	ammunition	l, le, lei	leicht	light
–	Amt	office / department / section	–	Lehr	demonstration
Armd	–	armored	lg	lang	long
–	Armee	Army	Li	Lichtmess	flash ranging
AK	Armeekorps	Army Corps	LMG	–	light machine gun
AT	–	anti-tank	Ls	Landesschützen	3rd Reserve (Militia)
ATG	–	anti-tank gun	lt	–	light
ATR	–	anti-tank rifle	Lw, Ldw	Landwehr	2nd Reserve (Militia)
Arko	Artillerie Kommandeur	Artillery Commander	L, Lw	Luftwaffe	German Air Force
Aufkl	Aufklärungs-	reconnaissance			M
Ausf	Ausführung	mark / model / type	M, Mörs	Mörser	heavy howitzer
			m	mittler	medium
			mcl (w/sc)	–	motorcycle (with sidecar)
			med	–	medium
Battr	Batterie	Battery (Company echelon unit)	MG	Maschinengewehr	machine gun
Btl, Batl	Bataillon	Battalion	mot	motorisiert	motorized
Bb, Beob	Beobachtung	observation	mot S	mot. Selbstfahrlafette	motorized self-propelled carriage
Bef-Pz	Befehlspanzer	command tank	mot Z	motorisierter Zug	motorized prime mover
Bn	–	Battalion	MTW	Mannschaftstransportwagen	armored personnel carrier
Brig	Brigade	Brigade			N
Bty	–	Battery (Company echelon unit)	Nachr	Nachrichten-	signal
			Nbl	Nebel	smoke
cc	–	cross-country	Nbl W	Nebelwerfer	rocket launcher
Co	–	Company	NCO	–	Non-Commissioned Officer
CO	–	commanding officer			O
Col	–	(unit) Column	Ob	Oberbefehlshaber	Commander-in-Chief
Col	–	(rank) colonel	Off	–	Officer
			OKH	Oberkommando des Heeres	Army High Command
Det	–	Detachment	OKW	Oberkommando der Wehrmacht	Armed Forces High Command
–	Dienst(e)-	service(s)	ops	–	operations
Div	Division	Division			P
			Pak	Panzerabwehrkanone	(weapon) anti-tank gun
(E)	Eisenbahn	railroad	Pz Abw	Panzer-Abwehr	(unit) anti-tank
EM	–	Enlisted Man	Pi, Pion	Pionier	Engineer
Engr	–	Engineer	Plt	–	Platoon
			Prop	Propaganda	propaganda
F, Fest	Festung	Fortress	Pz, Panz	Panzer	tank, armor
FH	Feldhaubitze	field howitzer (gun-howitzer)			R
FK	Feldkanone	field gun	Recon	–	reconnaissance
Fla	Fliegerabwehr	Antiaircraft	Rgt	Regiment	Regiment
Flak	Flugabwehrkanone	(weapon) Antiaircraft gun			S
Flak	Flugabwehr	(unit) Antiaircraft defense	s, schw	schwer	heavy
–	Führungsstab z.b.V.	Headquarters for Special Purposes	S	Schützen	mechanized infantry (lit.: riflemen)
			Sch	Schallmess	sound ranging
G, Gesch	Geschütz	gun (cannon)	Schw	Schwadron	Company echelon unit (lit.: squadron)
G	Grenz-	Border	Sd	sonder	special
Geb	Gebirgs-	mountain	Sd Kfz	Sonder-Kraftfahrzeug	special military motor vehicle
Gen	–	(rank) general	Sect	–	Section
gem	gemischt(e)(er)-	mixed	SMG	–	sub machine gun
GHQ	–	General Headquarters	SP, SP'd	–	self-propelled
GK	Gebirgskanone	mountain gun	Sperr	–	blocking
Gen Kdo	General Kommando	Corps echelon Command	Sdq	–	Squad
g.F.P.	geheime Feldpolizei	Secret Field Police	Sqdn	–	Squadron (Company echelon unit)
gp, gep	gepanzert	armored	SS	Waffen-SS	Nazi Party military arm
Gr	Gruppe	Group	SS-VT	SS-Verfügungs-Truppen	SS combat troops (Waffen-SS)
Grz	Grenz	Border	ss, sw	schwerste	super heavy
Grz Schtz	Grenzschutz	Border Protection	St, Stb	Stab	headquarters
Grz Tr	Grenztruppen	Border Troops	St	Stellungs	position / static
Grz Wa	Grenzwacht	Border Guards			T
GSO	(Beamte)	Government Service Official	(t)	tschechisch	Czechoslovakian
			tele	–	telephone
H, Haub	Haubitze	howitzer	Tr	Trupp/Trupps	(unit) Section (lit.: Troop)/Sections
H Tr	Heerestruppen	GHQ Troops	Tr	Truppen	(general designation) Troops
Harko	Höhere Artillerie Kommandeur	Higher Artillery Commander			V
HE	–	high explosive	Verb	Verband	formation
Hgr	Heeresgruppe	Army Group	verl	verlastet	truck-borne / portee
HMG	–	heavy machine gun	Versorg	Versorgungs-	support
Hqs	–	headquarters	Verpfl A	Verpflegungsamt	rations administration section
hvy	–	heavy			W
			w/ (w/o)	–	with (without)
IG	Infanterie-Geschütze	infantry gun	–	Welle	mobilization group (lit.: wave)
I, Inf	Infanterie	Infantry	–	Werkstatt	maintenance (lit.: workshop)
			Wfr	Werfer	(rocket-, grenade-) launcher
K, Kan	Kanone	gun	WK	Wehrkreis	Military District
Kav	Kavallerie	Cavalry			Z
Kdo	Kommando	Command	zbV	zur besonderer Verwendung	for special purposes / use
Kdr	Kommandeur	commander	Zug	–	(unit) Platoon
Kdt	Kommandant	commandant	Zug	–	(vehicle) prime mover
kl	klein	small, light			

Army Group	Army	Corps	Formations and Units	OKH-Reserves
A 4. Infanterie-Division 27. Infanterie-Division Kdtur. d. Bef. Eifel XXXX. Armeekorps – 6. Infanterie-Division – 9. Infanterie-Division – 33. Infanterie-Division	4. Armee 211. Infanterie-Division	II. Armeekorps	12. Infanterie-Division 32. Infanterie-Division 263. Infanterie-Division 7. Panzer-Division	2. Armee XVII. Armeekorps XXXVIII. Armeekorps XXXIX. Armeekorps (motorisiert) XXXXII. Armeekorps 10. Infanterie-Division 22. Infanterie-Division 44. Infanterie-Division 45. Infanterie-Division 46. Infanterie-Division 50. Infanterie-Division 57. Infanterie-Division 60. Infanterie-Division 72. Infanterie-Division 78. Infanterie-Division 81. Infanterie-Division 82. Infanterie-Division 83. Infanterie-Division 86. Infanterie-Division 88. Infanterie-Division 161. Infanterie-Division 162. Infanterie-Division 164. Infanterie-Division 167. Infanterie-Division 168. Infanterie-Division 169. Infanterie-Division 183. Infanterie-Division 197. Infanterie-Division 205. Infanterie-Division 212. Infanterie-Division 217. Infanterie-Division 221. Infanterie-Division 260. Infanterie-Division 290. Infanterie-Division 291. Infanterie-Division 292. Infanterie-Division 293. Infanterie-Division 294. Infanterie-Division 295. Infanterie-Division 296. Infanterie-Division 297. Infanterie-Division 298. Infanterie-Division 299. Infanterie-Division Polizei-Division SS-Totenkopf-Division (mot)
		V. Armeekorps	251. Infanterie-Division	
		VIII. Armeekorps	8. Infanterie-Division 28. Infanterie-Division 87. Infanterie-Division 267. Infanterie-Division	
		XV. Armeekorps (motorisiert)	5. Panzer-Division 62. Infanterie-Division	
	12. Armee	III. Armeekorps	3. Infanterie-Division 23. Infanterie-Division	
		VI. Armeekorps	16. Infanterie-Division 24. Infanterie-Division	
		XVIII. Armeekorps	5. Infanterie-Division 21. Infanterie-Division 25. Infanterie-Division 1. Gebirgs-Division	
	16. Armee 26. Infanterie-Division 52. Infanterie-Division 71. Infanterie-Division 73. Infanterie-Division	VII. Armeekorps	36. Infanterie-Division 68. Infanterie-Division	
		XIII. Armeekorps	15. Infanterie-Division 17. Infanterie-Division	
		XXIII. Armeekorps	34. Infanterie-Division 58. Infanterie-Division 76. Infanterie-Division	
	Panzergruppe von Kleist 900. Lehr-Regiment (mot)	XIV. Armeekorps (motorisiert)	13. Infanterie-Division (mot) 29. Infanterie-Division (mot)	
		XIX. Armeekorps (motorisiert)	1. Panzer-Division 2. Panzer-Division 10. Panzer-Division Grossdeutschland Inf. Rgt. (mot)	
XXXXI. Armeekorps (motorisiert)		6. Panzer-Division 8. Panzer-Division 2. Infanterie-Division (mot)		
B 208. Infanterie-Division 225. Infanterie-Division 526. Infanterie-Division 20. Infanterie-Division (mot) Kdtur. d. Bef. Niederrhein I. Armeekorps – 1. Infanterie-Division – 11. Infanterie-Division – 223. Infanterie-Division	6. Armee 255. Infanterie-Division	IV. Armeekorps	4. Panzer-Division 7. Infanterie-Division 18. Infanterie-Division 35. Infanterie-Division 61. Infanterie-Division	
		IX. Armeekorps	30. Infanterie-Division 56. Infanterie-Division 216. Infanterie-Division	
		XI. Armeekorps	14. Infanterie-Division 19. Infanterie-Division 31. Infanterie-Division	
		XVI. Armeekorps (motorisiert)	3. Panzer-Division	
		XXVII. Armeekorps	253. Infanterie-Division 269. Infanterie-Division	
		18. Armee 1. Kavallerie-Division SS-Verfügungs-Division (mot)	X. Armeekorps	207. Infanterie-Division 227. Infanterie-Division Leibstandarte-SS Adolf Hitler (mot)
	XXXVI. Armeekorps		9. Panzer-Division 254. Infanterie-Division 256. Infanterie-Division	
	1. Armee 94. Infanterie-Division 98. Infanterie-Division		XII. Armeekorps	75. Infanterie-Division 252. Infanterie-Division 258. Infanterie-Division 125. Grenzschutz-Abschnitt
			XXIV. Armeekorps	257. Infanterie-Division 262. Infanterie-Division 268. Infanterie-Division 127. Grenzschutz-Abschnitt
		XXX. Armeekorps	79. Infanterie-Division 93. Infanterie-Division 95. Infanterie-Division 132. Grenzschutz-Abschnitt	
XXXVII. Höhere Kommando		215. Infanterie-Division 246. Infanterie-Division 129. Grenzschutz-Abschnitt		
7. Armee 96. Infanterie-Division	XXV. Armeekorps	555. Infanterie-Division 557. Infanterie-Division		
	XXXIII. Höhere Kommando	554. Infanterie-Division 556. Infanterie-Division		
OBEROST	Grenzschutz-Abschnitts-Kommando Nord (1)		206. Infanterie-Division 311. Infanterie-Division	
		XXXXV. Höhere Kommando	395. Infanterie-Division 399. Infanterie-Division	
	Grenzschutz-Abschnitts-Kommando Mitte (2)	XXXII. Höhere Kommando	209. Infanterie-Division 379. Infanterie-Division	
		XXXV. Höhere Kommando	213. Infanterie-Division 228. Infanterie-Division 386. Infanterie-Division	
		XXXVI. Höhere Kommando	218. Infanterie-Division 372. Infanterie-Division 393. Infanterie-Division	
	Grenzschutz-Abschnitts-Kommando Süd	XXXIV. Höhere Kommando	231. Infanterie-Division 239. Infanterie-Division 351. Infanterie-Division 358. Infanterie-Division 365. Infanterie-Division 425. Infanterie-Division	
Gruppe XXI		69. Infanterie-Division 163. Infanterie-Division 181. Infanterie-Division 196. Infanterie-Division 214. Infanterie-Division 2. Gebirgs-Division 3. Gebirgs-Division		
	XXXI. Höhere Kommando	170. Infanterie-Division 198. Infanterie-Division 11. Schützen-Brigade		
Befehlshaber d. Ersatzarmee				

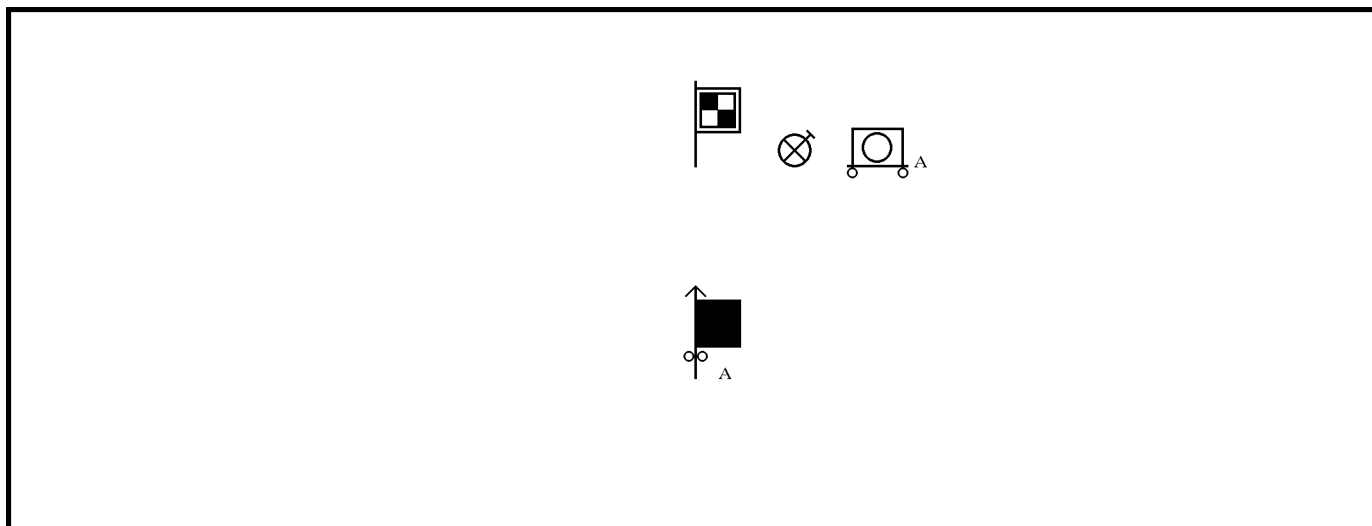
Notes:

- (1) Also Wehrkreis I.
 (2) Also XXXVI. Höhere Kommando.

Terms used in Order of Battle Chart

<i>Armee</i>	Army
<i>Armeekorps</i>	Corps
<i>Brigade</i>	Brigade
<i>Befehlshaber der Ersatzarmee</i>	Commander-in-Chief of the Reserve Army
<i>Gebirgs-Division</i>	Mountain Division
<i>Grenzschutz-Abschnitt</i>	Border Guard Sector
<i>Grenzschutz-Abschnitts-Kommando</i>	Border Guard Command
<i>Gruppe</i>	Group
<i>Höhere Kommando</i>	Reduced-Size Corps
<i>Infanterie-Division</i>	Infantry Division
<i>Inf. Rgt. = Infanterie-Regiment</i>	Infantry Regiment
<i>Kavallerie</i>	Cavalry
<i>Kdtur. d. Bef. =</i>	Commandantur der Befestigungen Commander of the Fortifications
<i>Korps</i>	Corps
<i>Lehr</i>	Demonstration
<i>(mot) = motorisiert</i>	motorized
<i>Polizei</i>	Police
<i>Panzer-Division</i>	Armored Division
<i>Wehrkreis</i>	Army Corps Area

ARMEEGRUPPE-OBERKOMMANDO
Headquarters, Army Group

**KStN 9 *)**

1.01.1940

Headquarters, Army Group

Army Group Commander & Chief of Staff
 Army Group Headquarters
 Weapon Staff Officers
 Staff Officer for Artillery
 Engineer General Officer
 Army Group Chief of Signals
 Adjutant (*Ila*)
 Legal Advisor
 Field Bishops
 Main Records and Files Office
 Field Regulations Office
 Headquarters Commandant (*H.Qu.*)
 Office of the Commandant
 Paymaster General (*IVz*)
 Commissary Officer
 Army Group Motor Pool

KStN 9a *)

25.11.1939

Administrative Department, Army Group

Deputy Chief of Staff (*O.Qu.*)
 Office for Weapons, Ammunition, and Equipment
 Office of the Intendant (*IVa*)
 Army Group Physician (*IVb*)
 Army Group Veterinary (*IVc*)
 Army Group Motor Vehicles Officer
 Army Group Field Post Office

KStN 1067 *)

1.10.1938

Motorcycle Detachment

Plt Hqs: 2 mcl; 1 mcl w/sc; 1 car (11).
 5 Sect: 7 mcl.

KStN 2072 *)

1.10.1937

Motorized Army Mapping Detachment

Det: 2 mcl; 2 cars (1); 1 bus (light/15 seats); 2 vans (medium); 1 trailer (generator).

KStN 2074

01.10.1937

Motorized Printing Platoon

Plt: (# 2-0-8-33); 1 car /light); 3 buses (medium, as workshop); 1 van (medium); 1 tractor (medium); 1 trailer (enclosed); 2 trailers (24).

Motorized Army Signal Regiment

See Page 12

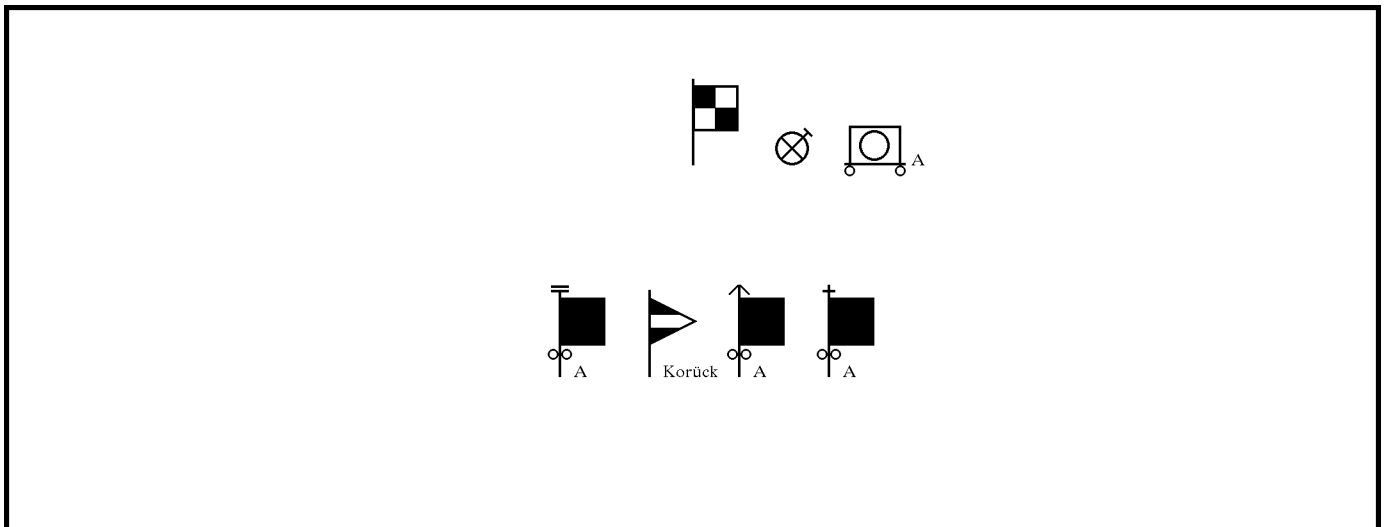
NOTES:

Army Groups did not have fixed organizations. They normally had a standard set of GHQ service units, (printing and motorcycle detachments, as well as a signal regiment), which occasionally changing their numbers.

Notes at the end of the two Army Group KStN indicated that they were not binding for the internal administrative organization of the headquarters.

Command	Commanding Officer	Motorcycle Detachment	Army Mapping Detachment	Printing Platoon	Army Signal Regiment	
Army Group A	Gen.Obst. Gerd von Runstedt	520	520	–	570	–
Army Group B	Gen.Obst. Fedor von Bock	530	530	–	537	–
Army Group C	Gen.Obst. Wilhelm Ritter von Leeb	–	–	–	I/639	–
Oberost	Gen.Lt. Curt Ludwig Frhr. von Gienanth	600	600	600	511	

ARMEE-OBERKOMMANDO
Headquarters, Army

**KStN 11 *)**

1.01.1940

Headquarters, Army

Army Commander & Chief of Staff
 Army Headquarters
 Weapon Staff Officers
 Army Chief Engineer Officer
 Army Chief Signal Officer
 Staff Officer for Gas Protection
 Army Administrative Department
 Deputy Chief of Staff (*O.Qu.*)
 Staff Officer for Motor Vehicles (*A.O. Kraft*)
 Army Intendant (*IVa*)
 Army Physician (*IVb*)
 Army Veterinary (*IVc*)
 Army Postmaster General
 Office of the Adjutant
 Adjutant (*IIa*)
 Provost Marshal (*III*)
 Army Field Bishops (*IVd*)
 Main Records and Files Office
 Headquarters Commandant (*H.Qu.*)
 Office of the Commandant
 Paymaster General (*IVz*)
 Commissary Officer
 Army Motor Pool
 Headquarters Guards
 Field Post Censors

KStN 1067 *)

1.10.1938

Motorcycle Detachment

Plt Hqs: 2 mcl; 1 mcl w/sc; 1 car (11).
 5 Sect: 7 mcl.

KStN 2072 *)

1.10.1937

Motorized Army Mapping Detachment

Det: 2 mcl; 2 cars (1); 1 bus (light/15 seats); 2 vans (medium); 1 trailer (generator).

KStN 1200 *)

1.10.1937

Headquarters, Motorized Army Supply Regiment

Rgt Hqs: 2 mcl; 2 mcl w/sc; 1 car (light); 3 cars (medium); 1 bus (light/15 seats); 1 truck (light).

KStN 81

1.10.1938

Commander, Army Rear Area (*Korück*)

Headquarters: (# 2-0-0-1).
 Quartermaster: (# 4-3-4-5); 2 mcl; 1 bicycle.
 Intelligence: (# 2-2-1-3); 2 mcl w/sc.
 Adjutant: (# 1-2-3-20); 6 mcl; 4 mcl w/sc; 2 cars (light); 1 car (medium); 1 truck (light); 1 bicycle.

Motorized Army Signal Regiment

See Page 12

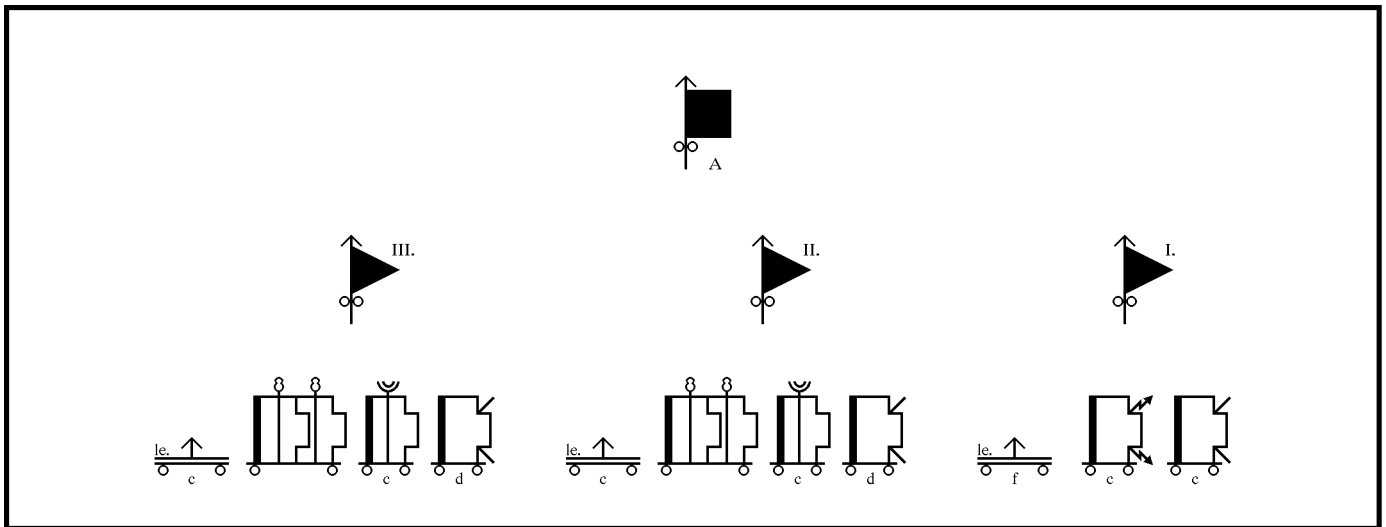
Motorized Army Medical Battalion

See Page 13

Command	Commanding Officer	Motorcycle Detachment	Army Mapping Detachment	Army Supply Regiment	Commander Army Rear Area	Army Signal Regiment	Army Medical Regiment
1st Army	Gen.Obst. Erwin von Witzleben	590	590	591	590	596	592
2nd Army ^[1]	Gen.d.Kav. Maximilian Frhr. von Weichs	540	540	–	–	563	–
4th Army	Gen.d.Art. Hans-Günther von Kluge	570	570	581	580	589	581
6th Army	Gen.Obst. Walter von Reichenau	580	560	541	585	549	542
7th Army	Gen.d.Art. Friedrich Dollmann	550	550	551	550	558	552
12th Army	Gen.Obst. Wilhelm List	510	510	561	560	521	562
16th Army	Gen.d.Inf. Ernst Busch	501	501	560	584	501	572
18th Army	Gen.d.Art. Georg von Küchler	560	580	516	588	520	601

[1] The 2nd Army was OKH Reserve, and had no units allocated besides those indicated in the table above.

ARMEEGRUPPE / ARMEE-NACHRICHTEN-REGIMENT (motorisiert)
Motorized Army Group / Army Signal Regiment



- KStN 802 *)**
1.03.1939
Headquarters, Army Motorized Signal Regiment
Rgt Hqs: 2 mcl; 2 cars (15); 1 bus (light/15 seats); 1 truck (light).
- KStN 804**
1.10.1937
Headquarters, Army Motorized Signal Battalion
Bn Hqs: 2 mcl; 3 cars (15); 2 trucks (light).
- KStN 851 *)**
1.10.1937
Army Motorized Telephone Operations Company "c"
Co Hqs: 2 mcl; 1 mcl w/sc; 2 cars (15); 1 truck (light).
1st Plt: Hqs Sect: 1 mcl; 1 car (15/1).
4 Tele Ops Sect *c*: 1 car (15/1); 1 van (61).
3 Tele Signal Amplifier Sect *c*: 1 van (61).
2nd Plt: Hqs Sect: 1 mcl; 1 car (15/2).
2 Telex Sect: 1 van (72); 1 trailer (generator).
2 Telex Ops Sect: 1 car (15/1); 1 van (72).
2 Telex Coding Sect: 1 van (72); 1 trailer (generator).
3rd Plt: Hqs Sect: 1 mcl; 1 car (15/2).
3 Med Tele Maintenance Sect: 1 truck (2-ton).
2 Lt Tele Sect *b*: 1 car (15/1).
2 Med Tele Cable Calibration Sect: 1 van (61).
Co Trains: 1 mcl; 4 trucks (light); 2 trucks (3-ton).
- KStN 861 *)**
1.10.1937
Army Motorized Radio Company "c"
Co Hqs: 2 mcl; 1 mcl w/sc; 2 cars (15); 1 truck (light).
1st Plt: Hqs Sect: 1 mcl; 1 car (15/2).
3 Hvy Radio Sect *c*: 1 car (2/1); 1 van (61).
2nd Plt: Hqs Sect: 1 mcl; 1 car (15/2).
9 Med Radio Sect *c*: 1 car (15); 1 van (17).
3rd Plt: Hqs Sect: 1 mcl; 1 car (15/2).
1 Med Radio Sect *c*: 1 car (15); 1 van (17).
1 Med Air Liaison Radio Sect *c*: 1 van (17).
1 Code Sect: 2 cars (15).
Co Trains: 1 mcl; 3 trucks (light); 1 truck (3-ton).
- KStN 852**
1.10.1937
Army Motorized Telephone Operations Company "d"
Co Hqs: 2 mcl; 1 mcl w/sc; 2 cars (15); 1 truck (light).
2 Plt: Hqs Sect: 2 mcl; 1 car (15).
1 Lt Tele Sect *b*: 1 car (15/1).
1 Hvy Tele Sect *b*: 1 car (2/1); 1 van (77).
1 Tele Ops Sect *b*: 1 car (15/1); 1 van (61).
2 Tele Ops Sect *a*: 1 car (15/1); 1 van (17).
1 Plt: Hqs Sect: 2 mcl; 1 car (15).
1 Lt Tele Sect *b*: 1 car (15/1).
2 Tele Ops Sect *b*: 1 car (15/1); 1 van (61).
2 Tele Signal Amplifier Sect *b*: 1 van (61).
Co Trains: 1 mcl; 4 trucks (light); 2 trucks (3-ton).
- KStN 844**
1.10.1937
Army Motorized Telephone Cable Company "c"
Co Hqs: 2 mcl; 1 mcl w/sc; 2 cars (15); 1 truck (light).
3 Plt: Hqs Sect: 2 mcl; 1 car (15); 2 trucks (3-ton).
3 Tele Cable Sect: 1 car (2/1); 2 trucks (3-ton).
Co Trains: 1 mcl; 3 trucks (light); 7 trucks (3-ton).
- KStN 837**
1.10.1937
Army Motorized Telephone Construction Company
Co Hqs: 2 mcl; 1 mcl w/sc; 2 cars (15); 1 truck (light).
3 Plt: Hqs Sect: 2 mcl; 1 car (15); 1 truck (light); 2 wheeled tractors (Lanz *Bulldog*); 5 trailers (telephone pole).
1 Survey Sect: 1 car (15/1).
4 Tele Construction Sect: 1 car (2/1); 1 truck (medium).
Co Trains: 1 mcl; 4 trucks (light); 3 wheeled tractors (Lanz *Bulldog*); 6 trailers (telephone pole).
- KStN 876 *)**
1.10.1937
Army Motorized Light Signal Transport Column "f"
Col: 1 mcl w/sc; 1 car (light); 1 truck (light); 3 trucks (medium); 2 vans (42); 2 trailers (telephone pole); 1 trailer (generator).
- KStN 873**
1.10.1937
Army Motorized Light Signal Transport Column "c"
Col: 1 mcl w/sc; 1 car (light); 2 trucks (light); 1 van (light); 1 truck (medium); 7 trucks (heavy); 5 wheeled tractors (Lanz *Bulldog*); 10 trailers (telephone pole); 2 trailers (generator).

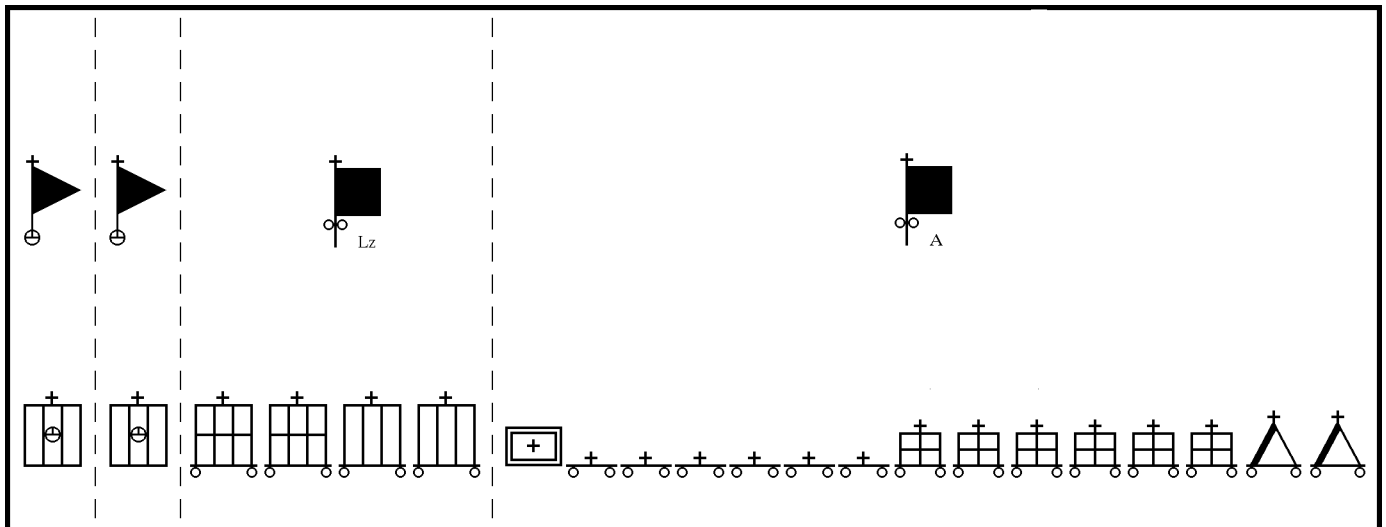
NOTES:

The I./A.Nachr.Rgt. 639 (Hgr. C) was a standard 1st Battalion.

The A.Nachr.Rgt. 596 (1. Armee) and 563 (2. Armee) had only the 1st and IIInd Battalions.

The A.Nachr.Rgt. 558 (7. Armee) had only the 1st and IIInd Battalions, but the IIInd Battalion had only one telephone construction company.

ARMEE-SANITÄTS-EINHEITEN
Army Medical Units



- KStN 1302 *) Headquarters, Motorized Army Medical Battalion**
1.10.1937
Bn Hqs: 1 truck (light); 1 bicycle.
Group of Consulting Physicians.
Motor Pool: 1 mcl; 1 mcl w/sc; 10 cars (light); 2 trucks (light); 2 vans (medium); 1 bus (15 seats)
- KStN 1313 Motorized Medical Company**
1.10.1937
Co Hqs: 1 mcl; 1 mcl w/sc; 2 cars (15); 1 truck (light); 1 bus.
2 Lt Radio Sect *a*: ride in company headquarters light truck.
2 Medical Plt: 1 mcl w/sc; 1 car (11); 5 truck (medium); 1 van (medium); 5 ambulances (31).
- KStN 1342 Motorized Field Hospital**
1.10.1937
Co Hqs: 2 mcl w/sc; 1 car (medium); 1 truck (light); 1 bus (medium).
2 Hospital Plt: 1 car (light); 3 trucks (light); 1 van (medium); 1 bus (light); 1 ambulance (31).
- KStN 1365 *) Motorized Ambulance Platoon**
1.10.1937
Plt Hqs: 1 car (light); 2 trucks (light).
3 Sect: 5 ambulances (31).
- KStN 1381 *) Medical Park**
1.04.1936
Park Hqs: (#0-4-4-4) [approx.]
3 Park Plt: (#0-6-23-50) [approx.]
Motor Pool: (#0-0-4-44); 3 mcl w/sc; 1 car (medium); 27 trucks (light); 15 wheeled tractors; 3 trailers (3 ton); 12 trailers (5 ton). [approx.]
-
- KStN 1304 *) Headquarters, Motorized Military Hospital Battalion**
1.10.1937
Hqs Sect: (#2-1-3-1+3 female medical personnel); 1 bicycle.
Medical Personnel Reserve: (#39-4-49-18 + 92 female medical personnel).
4 Surgical Teams: (#2-0-2-0).
Chaplain Group: (#0-16-0-16).
Motor Pool: (0-0-2-20); 11 cars (light); 3 cars (medium); 2 trucks (light); 1 truck (medium);
1 trailer for decontamination with showers (SdAh 11).
- KStN 1352 Motorized Military Hospital**
1.10.1937
Hospital: 1 mcl w/sc; 1 car (medium); 4 trucks (light); 2 buses (medium).
- KStN 1354 Motorized Light Casualty Hospital**
1.10.1937
Hospital: 1 mcl w/sc; 1 car (medium); 2 trucks (light); 1 bus (medium).
-
- KStN 1303 Headquarters, Casualty Transport Battalion**
1.10.1937
Co Hqs: 2 mcl w/sc; 1 car (light); 1 bus (light).
- KStN 1361 Casualty Transport Company**
1.10.1937
Co Hqs: 1 bicycle; 1 mcl w/sc; 1 car (light); 3 trucks (medium).
3 Transport Plt: 1 truck (medium).
-

NOTES:

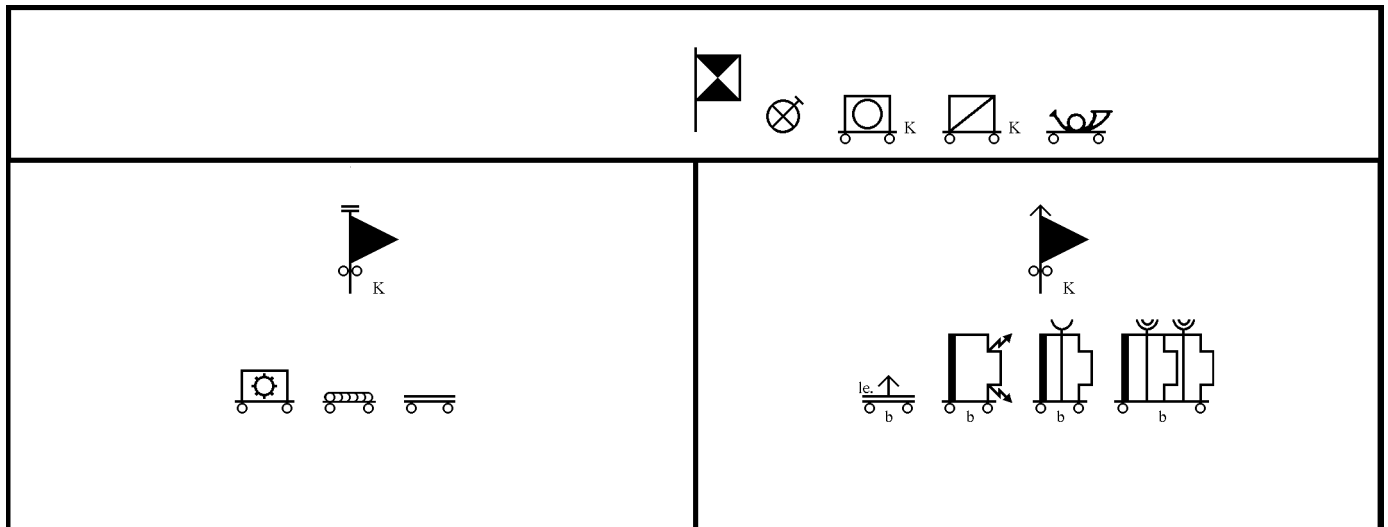
The Headquarters, Motorized Army Medical Battalion was represented by a regimental symbol, as the battalion was commanded by an officer in billet group "R", who was also the Army Surgeon. Part of the battalion headquarters served in the army headquarters as the staff for the Army Surgeon, who was furthermore responsible for all other medical units in the army.

Interestingly enough, the number of medical sub-units remained reasonably constant, whether the army was engaged in an attack, or in a quiet sector of the

front. Additional units which were added or subtracted to compensate for the number of units and divisions assigned to the army were the field hospitals and ambulance platoons. The number of medical, casualty transport, and military hospital units seldom varied.

The Military Hospital Battalion was also commanded by an officer in billet group "R", and thus this unit was also represented by a regimental echelon symbol. Nevertheless, the commander was subordinate to the Army Surgeon.

ARMEEKORPS
Infantry Corps Headquarters



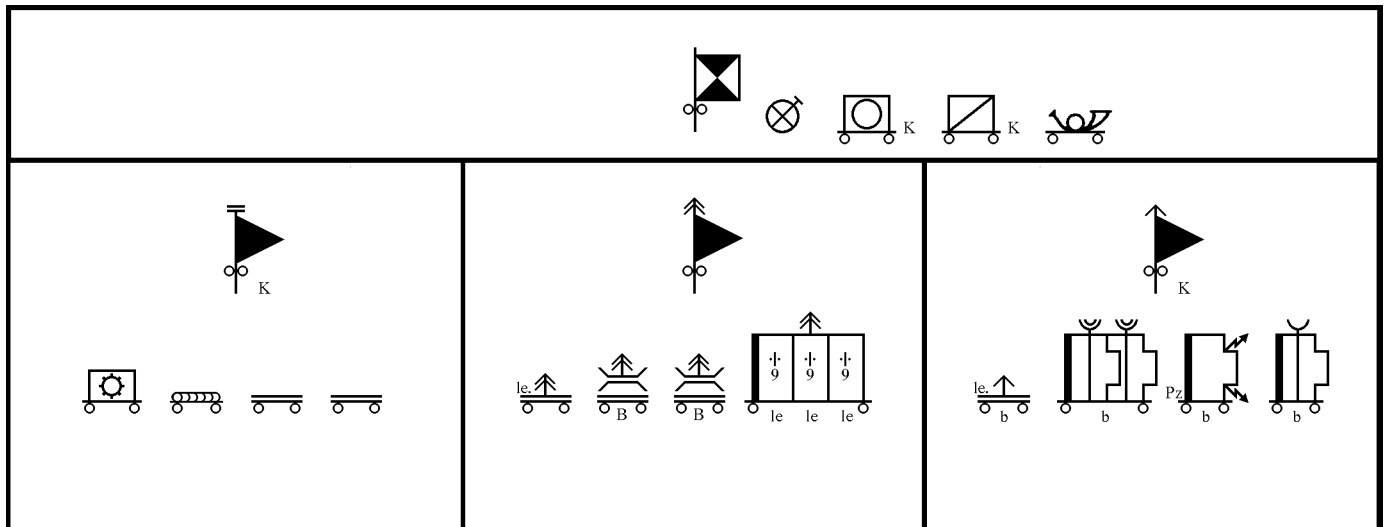
- KStN 12**
1.10.1937 **Headquarters, Infantry Corps**
Corps Hqs: (# 2 -0-0-2).
Command Sect: (# 5-1-2-3).
Quartermaster: (# 6-3-4-8).
Adjutant: (# 2-5-9-40); 2 cars (light); 1 cars (medium); 1 car (heavy); 6 trucks (light); 1 bus (light); 1 bus (medium).
Guard Det: (# 1-0-8-39); 2 HMG.
- KStN 1067 ***
1.10.1938 **Motorcycle Detachment**
Plt Hqs: 2 mcl; 1 mcl w/sc; 1 car (11).
5 Sect: 7 mcl.
- KStN 2075 ***
1.10.1938 **Corps Motorized Mapping Detachment**
Det: 2 mcl; 2 cars (1); 1 bus (light/15 seats); 2 vans (medium); 1 trailer (generator).
- KStN 2033 ***
1.10.1938 **Corps Motorized Military Police Detachment**
Det: 6 mcl; 2 mcl w/sc; 7 cars (light); 1 truck (light).
- KStN 2251**
1.04.1935 **Motorized Field Post Detachment**
Detachment: (# 0-18-0-0); 1 car (medium); 1 bus (medium/30 seats); 2 vans (medium).

Corps	Type	Mcl Plt.	Mapping Det.	MP Det.	Field Post Det.	Signal Bn.	Supply Bn.	Commanding Officer
I.	Inf.	421.	421.	421.	421.	41.	–	Gen.Lt. Kuno-Hans von Both
II.	Inf.	402.	402.	402.	402.	42.	402.	Gen.d.Inf. Adolf Strauss
III.	Inf.	403.	403.	403.	403.	43.	403.	Gen.d.Art. Curt Haase
IV.	Inf.	404.	404.	404.	404.	44.	404.	Gen.d.Inf. Viktor von Schwedler
V.	Inf.	405.	405.	405.	405.	45.	405.	Gen.d.Inf. Richard Ruoff
VI.	Inf.	406.	406.	406.	406.	46.	406.	Gen.d.Pion. Otto-Wilhelm Förster
VII.	Inf.	407.	407.	407.	407.	47.	407.	Gen.d.Inf. Eugen Ritter von Schobert
VIII.	Inf.	408.	408.	408.	408.	48.	408.	Gen.d.Art. Walter Heitz
IX.	Inf.	409.	409.	409.	409.	49.	409.	Gen.d.Inf. Hermann Geyer
X.	Inf.	410.	410.	410.	410.	50.	410.	Gen.Lt. Christian Hansen
XI.	Inf.	411.	411.	411.	411.	51.	411.	Gen.Lt. Joachim von Kortzfleisch
XII.	Inf.	412.	412.	412.	412.	52.	412.	Gen.d.Inf. Walter Schroth
XIII.	Inf.	413.	413.	413.	413.	53.	413.	Gen.Lt. Heinrich von Vietinghoff, gen. Scheel
XVII.	Inf.	417.	417.	417.	417.	66.	417.	Gen.d.Inf. Werner Kienitz
XVIII.	Inf.	418.	418.	418.	418.	70.	418.	Gen.d.Inf. Eugen Beyer
XXI. ^[1]	Inf.	463.	463.	463.	463.	463.	–	Gen.d.Inf. Nikolaus von Falkenhorst
XXII. ^[2]	Inf.	422.	422.	422.	422.	422.	422.	Gen.d.Kav. Erich von Kleist
XXIII.	Inf.	308.	308.	308.	308.	423.	308.	Gen.Lt. Albrecht Schubert
XXIV.	Inf.	311.	311.	311.	311.	424.	311.	Gen.d.Pz.Tr. Leo Frhr. Geyr von Schweppenburg
XXV.	Inf.	307.	307.	–	307.	3/425	307.	Gen.Lt. Karl Ritter von Prager
XXVI.	Inf.	426.	426.	426.	426.	426.	426.	Gen.d.Art. Albert Wodrig
XXVII.	Inf.	427.	427.	427.	427.	427.	427.	Gen.d.Inf. Alfred Wäger
XXX.	Inf.	430.	430.	430.	430.	430.	430.	Gen.d.Art. Otto Hartmann
XXXVIII.	Inf.	438.	438.	438.	438.	438.	438.	Gen.Lt. Erich von Leminski genannt von Manstein
XXXX.	Inf.	440.	440.	440.	440.	440.	440.	Gen.Lt. Georg Stumme
XXXXII.	Inf.	442.	442.	442.	442.	442.	442.	Gen.d.Pion. Walter Kuntze
XXXXIII.	Inf.	443.	443.	443.	443.	443.	443.	Gen.Lt. Hermann Ritter von Speck
XXXXIV.	Inf.	444.	444.	444.	444.	444.	444.	Gen.Lt. Fritz Koch

NOTES:

- [1] The XXI. Armeekorps formed the Gruppe XXI, which was the headquarters for all units fighting in the Norway theater. (Hence the designation "Group".)
- [2] The XXII. Armeekorps formed the Gruppe Kleist, which was the famous headquarters for mechanized corps in France from 05.03.40 to 12.07.40.

ARMEEKORPS (motorisiert)
Motorized Corps

**KStN 15 *)**

1.10.1938

Headquarters, Motorized Corps

Corps Hqs:

Command Sect:

Quartermaster:

Adjutant: 2 cars (light); 1 car (medium); 1 car (247); 6 trucks (light); 1 bus (light); 1 bus (medium).

Guard Det: 2 HMG.

KStN 1067 *)

1.10.1938

Motorcycle Detachment

Plt Hqs: 2 mcl; 1 mcl w/sc; 1 car (11).

5 Sect: 7 mcl.

KStN 2075 *)

1.10.1938

Corps Motorized Mapping Detachment

Det: 2 mcl; 2 cars (1); 1 bus (light/15 seats); 2 vans (medium); 1 trailer (generator).

KStN 2033 *)

1.10.1938

Corps Motorized Military Police Detachment

Det: 6 mcl; 2 mcl w/sc; 7 cars (light); 1 truck (light).

KStN 2251

1.04.1935

Motorized Field Post Detachment

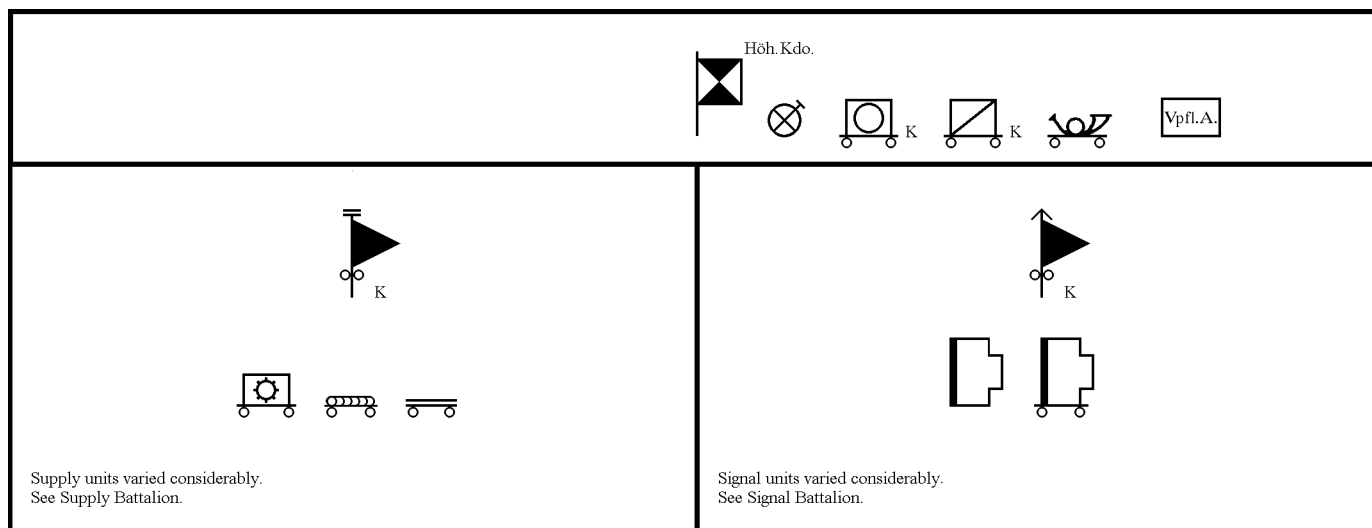
(# 0-18-0-0); 1 car (medium); 1 bus (medium/30 seats); 2 vans (medium).

NOTES:

The XVIIth Corps is depicted on the 15 April 1940 order of battle with an armored symbol, whereas all the other corps with a motorized symbol. Although no indications that it was actually called a "Panzerkorps" in May 1940 have been noted, it did have slightly different organization. But then, so did the XIV. and XV. Armeekorps (mot).

Corps	Type	Mcl Plt.	Mapping Det.	MP Det.	Field Post Det.	Engineer Bn.	Bridge Cols.	Signal Bn.	Supply Bn.	Commanding Officer
XIV.	Mot.	414.	414.	414.	414.	60.	1.-2./60.	60.	44.	Gen.d.Inf. Gustav von Wietersheim
XV.	Mot.	415.	415.	415.	415.	-	1.-2./415.	61.	415.	Gen.d.Inf. Hermann Hoth
XVI.	Pz.	473.	473.	473.	473.	62.	1.-3./62.	62.	473.	Gen.d.Kav. Erich Hoepner
XIX.	Mot.	419.	419.	419.	419.	-	-	80.	419.	Gen.d.Pz.Tr. Heinz Guderian
XXXIX.	Mot.	439	439.	439.	439.	-	-	439.	439.	Gen.Lt. Rudolf Schmidt
XXXXI.	Mot.	441.	441.	441.	441.	-	-	441.	441.	Gen.Lt. Georg-Hans Reinhardt

HÖHERE KOMMANDO z.b.V.
Reduced-Strength Corps Command for Special Purposes



KStN 12 1.10.1937 [modified]	Headquarters, Infantry Corps Corps Hqs: Command Sect: Quartermaster: Adjutant: Guard Det: (# 1-0-8-39); 2 HMG.
KStN 1067 *) 1.10.1938	Motorcycle Detachment Plt Hqs: 2 mcl; 1 mcl w/sc; 1 car (11). 5 Sect: 7 mcl.
KStN 2075 *) 1.10.1938	Corps Motorized Mapping Detachment Det: 2 mcl; 2 cars (1); 1 bus (light/15 seats); 2 vans (medium); 1 trailer (generator).
KStN 2033 *) 1.10.1938	Corps Motorized Military Police Detachment Det: 6 mcl; 2 mcl w/sc; 7 cars (light); 1 truck (light).
KStN 2251 1.04.1935	Motorized Field Post Detachment Detachment: (# 0-18-0-0); 1 car (medium); 1 bus (medium/30 seats); 2 vans (medium).
KStN 2086 1.10.1937	Motorized Commissary Detachment Det: (# 0-7-6-9); 1 mcl; 1 car (light); 3 trucks (medium); 1 bicycle.

NOTES:

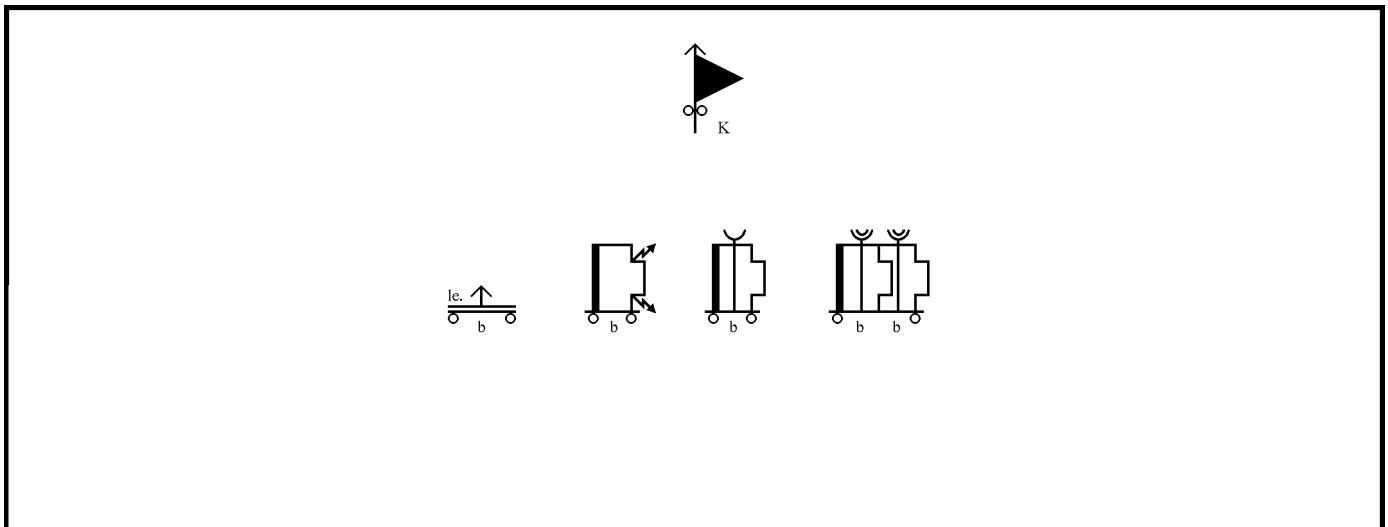
There was no special KStN for the *höheres Kommando*. It was a corps echelon unit, with a reduced number of personnel in its headquarters, some staff positions not being fully occupied if at all. It did not have a normal full strength signal battalion; and its organic supply units were reduced, if at all present. It is probably that some of the older birth years were used to staff these headquarters. Usually, they were also given less demanding tasks, located in quiet sectors, and assigned reduced strength, second line infantry divisions.

Corps	Type	Mcl Plt.	Mapping Det.	MP Det.	Field Post Det.	Commissary Det.	Signal Bn.	Supply Bn.	Commanding Officer	Notes
XXXI.	Command	431.	–	431.	431.	431.	431.	431.	Gen.d.Art. Leonhard Kaupisch	
XXXII.	Command	432.	–	432.	432.	–	–	–	Gen.d.Kav. Günther von Pogrell	
XXXIII.	Command	433.	433.	433.	433.	433.	433.	433.	Gen.Lt. Georg Brandt	
XXXIV.	Command	434.	–	–	–	–	–	–	Gen.Lt. Hermann Metz	
XXXV.	Command	435.	–	435.	435.	–	435.	–	Gen.Lt. Max von Schenckendorff	[1]
XXXVI.	Command	436.	–	436.	436.	436.	436.	–	Gen.Lt. Curt Ludwig von Gienanth	
XXXVII.	Command	437.	437.	437.	437.	437.	437.	437.	Gen.Lt. Alfred Boehm-Tettelbach	
XXXXV.	Command	–	–	–	–	445.	–	–	Gen.d.Inf. Kurt von Greiff	

NOTES:

[1] Plus 435 Antitank Platoon and 435 Armored Car Platoon.

ARMEEKORPS-NACHRICHTEN-ABTEILUNG (motorisiert)
Infantry Corps Signal Battalion (motorized)

**KStN 805**

1.10.1937

Headquarters, Corps Signal Battalion (motorized)

Bn Hqs: 2 mcl; 3 cars (15); 2 trucks (2-ton).

KStN 833 *)

1.10.1938

Corps Telephone Company "b" (motorized)

Co Hqs: 2 mcl; 1 mcl w/sc; 1 car (15); 1 truck (light).

1st Plt: Hqs Sect: 2 mcl; 1 car (15).

3 Tele Ops Sect *b*: 1 car (15/1); 1 van (61).3 Tele Signal Amplifier Sect *b*: 1 van (61).

2nd Plt: Hqs Sect: 2 mcl; 1 car (15).

4 Hvy Tele Sect *b*: 1 car (2/1); 1 van (77).

3rd Plt: Hqs Sect: 2 mcl; 1 car (15).

3 Tele Construction Sect: 1 car (2/1); 1 truck (medium).

4th Plt: Hqs Sect: 2 mcl; 1 car (15).

3 Tele Construction Sect: 1 car (2/1); 1 truck (medium).

4 Med Tele Maintenance Sect: 1 truck (2-ton).

Co Trains: 2 mcl; 5 trucks (light).

KStN 860

1.10.1938

Corps Radio Company "b" (motorized)

Co Hqs: 2 mcl; 1 mcl w/sc; 1 car (15); 1 truck (light).

1st Plt: Hqs Sect: 2 mcl; 1 car (15).

2 Med Radio Sect *b*: 1 car (15); 1 van (17/3).1 Med Radio Sect *c*: 1 car (16); 1 van (61/1); 1 van (68/1).1 Lt Radio Sect *c*: 1 van (17/1).

1 Code Sect: 2 cars (15).

2nd Plt: Hqs Sect: 2 mcl; 1 car (15).

2 Med Radio Sect *b*: 1 car (15); 1 van (17/3).4 Lt Radio Sect *a*: 1 car (15); 1 van (17).4 Pack Radio Sect *b*: 1 car (2).

Co Trains: 2 mcl; 4 trucks (light); 1 van (42); 1 trailer (generator).

KStN 843

1.10.1938

Corps Telephone Cable Company "b" (motorized)

Co Hqs: 2 mcl; 1 mcl w/sc; 1 car (15); 1 truck (light).

2 Tele Ops Sect *a*: 1 car (15); 1 van (17).

3 Plts: Hqs Sect: 2 mcl; 1 car (15).

3 Tele Cable Sect *b*: 1 car (15); 2 trucks (1.5-ton).

Co Trains: 2 mcl; 4 trucks (light).

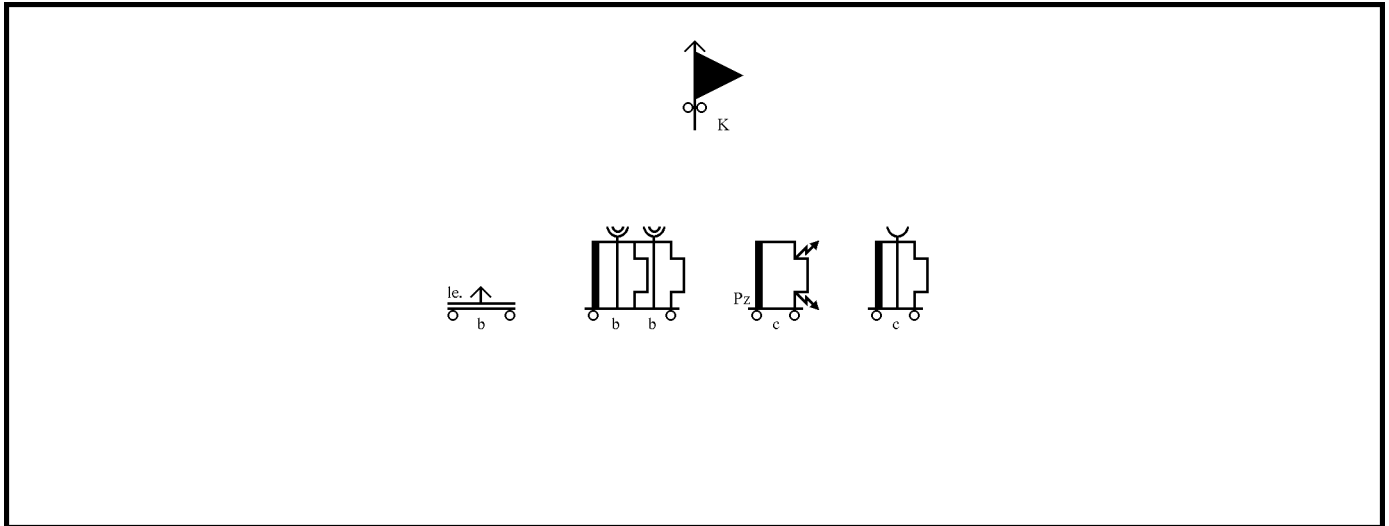
KStN 872

1.10.1938

Corps Light Signal Transport Column "b" (motorized)Col: 1 mcl w/sc; 1 car (light); 1 van (light); 2 trucks (light); 15 trucks (medium); 2 vans (42); 1 wheeled tractor (Lanz *Bulldog*); 1 trailer (generator); 2 trailers (telephone pole).**NOTES:**

The XXV. Armeekorps had no signal battalion headquarters, and the only signal unit was the 3. (a telephone company "b")/425th Signal Battalion.

ARMEEKORPS (motorisiert)-NACHRICHTEN-ABTEILUNG (motorisiert)
Motorized Corps Signal Battalion (motorized)



KStN 805
1.10.1937

Headquarters, Corps Signal Battalion (motorized)-
Bn Hqs: 2 mcl; 3 cars (15); 2 trucks (2-ton).

KStN 965 *)
1.10.1938

Motorized Corps Telephone Company "b" (motorized)
Co Hqs: 2 mcl; 1 mcl w/sc; 1 car (15); 1 truck (light).
1st Plt: Hqs Sect: 2 mcl; 1 car (15).
3 Tele Ops Sect *b*: 1 car (15/1); 1 van (61).
3 Tele Signal Amplifier Sect *b*: 1 van (61).
2nd Plt: Hqs Sect: 2 mcl; 1 car (15).
4 Hvy Tele Sect *b*: 1 car (2/1); 1 van (77).
3rd Plt: Hqs Sect: 2 mcl; 1 car (15).
3 Tele Construction Sect: 1 car (2/1); 1 truck (medium).
4 Med Tele Maintenance Sect: 1 truck (2-ton).
Co Trains: 2 mcl; 5 trucks (light).

KStN 973 *)
1.10.1938

Motorized Corps Radio Company "b" (armored)
Co Hqs: 1 mcl; 1 mcl w/sc; 1 car (15); 1 truck (light).
2 Plts: Hqs Sect: 2 mcl; 1 car (15).
2 Med Armd Radio Sect *b*: 1 car (15); 1 AC (263).
2 Med Armd Radio Sect *b/f*: 1 AC (263).
1 Plt: Hqs Sect: 2 mcl; 1 car (15).
4 Med Radio Sect *b*: 1 car (15); 1 van (17/3).
1 Code Sect: 2 cars (15).
Co Trains: 2 mcl; 4 trucks (light).

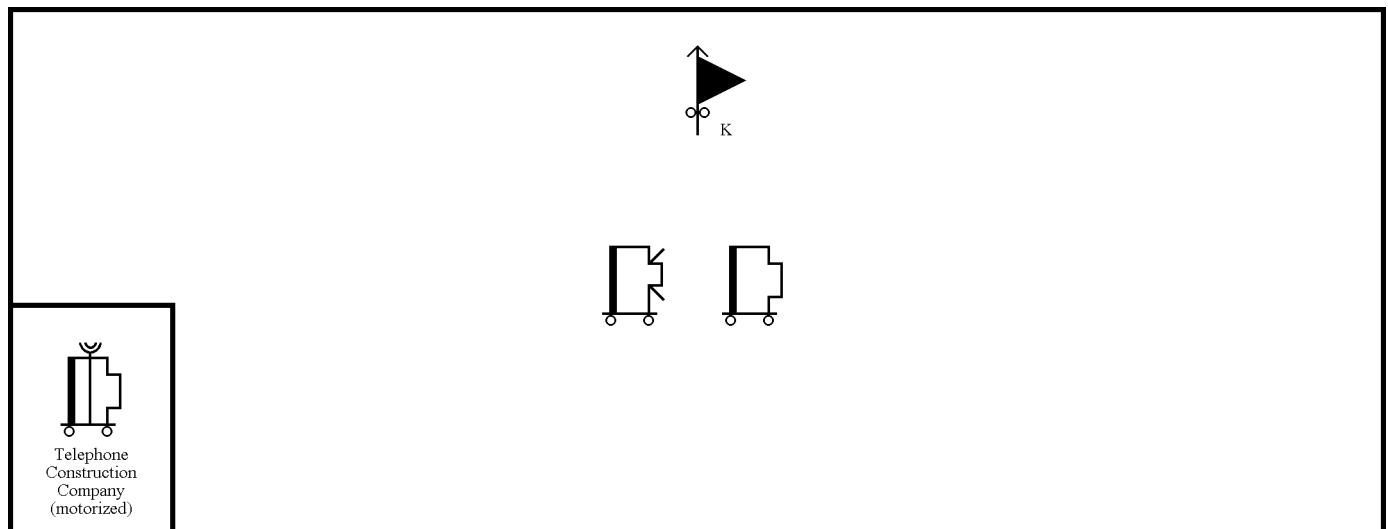
KStN 843
1.10.1938

Corps Telephone Cable Company "b" (motorized)
Co Hqs: 2 mcl; 1 mcl w/sc; 1 car (15); 1 truck (light).
2 Tele Ops Sect *a*: 1 car (15); 1 van (17).
3 Plts: Hqs Sect: 2 mcl; 1 car (15).
3 Tele Cable Sect *b*: 1 car (15); 2 trucks (1.5-ton).
Co Trains: 2 mcl; 4 trucks (light).

KStN 872
1.10.1938

Corps Light Signal Transport Column "b" (motorized)
Col: 1 mcl w/sc; 1 car (light); 1 van (light); 2 trucks (light); 15 trucks (medium); 2 vans (42); 1 wheeled tractor (Lanz *Bulldog*);
1 trailer (generator); 2 trailers (telephone pole).

**NACHRICHTEN-ABTEILUNG (motorisiert) HÖHERE KOMMANDO z.b.V.
Reduced Strength Corps Signal Battalion (motorized)**



- KStN 805 Headquarters, Corps Signal Battalion (motorized)**
1.10.1937 Bn Hqs: 2 mcl; 3 cars (15); 2 trucks (2-ton).
- KStN 866 (Lw) Landwehr Signal Company (motorized)**
1.10.1937
Co Hqs: 2 mcl; 1 mcl w/sc; 1 car (15); 1 truck (light).
1 Plt: Hqs Sect: 2 mcl; 1 car (15).
3 Hvy Tele Sect *a*: 1 car (2); 1 van (23)
2 Lt Tele Sect *b*: 1 car (15).
2 Plt: Hqs Sect: 2 mcl; 1 car (15).
3 Hvy Tele Sect *a*: 1 car (2); 1 van (23)
1 Tele Operations Sect *a*: 1 car (2); 1 van (17).
3 Plt: Hqs Sect: 2 mcl; 1 car (15).
3 Lt Radio Sect *a*: 1 car (15); 1 van (17).
1 Lt Radio Sect *c*: 1 van (17/1).
4 Plt: Hqs Sect: 2 mcl; 1 car (15); 1 van (77).
1 Lt Radio Sect *a*: 1 car (15); 1 van (17).
2 Pack Radio Sect *d*: 1 car (2).
1 Interception Sect: 1 car (815).
Co Trains: 1 mcl; 3 trucks (light); 1 van (42); 1 trailer (generator).
- KStN 914 (Lw) * Landwehr Telephone Operations Company (motorized)**
1.10.1937
Co Hqs: 2 mcl; 1 mcl w/sc; 2 cars (15); 1 truck (light).
1 Plt: Hqs Sect: 2 mcl; 1 car (15).
1 Lt Tele Sect *b*: 1 car (15/1).
2 Tele Ops Sect *b*: 1 car (15/1); 1 van (61).
2 Tele Signal Amplifier Sect *b*: 1 van (61).
2 Plts: Hqs Sect: 2 mcl; 1 car (15).
1 Lt Tele Sect *b*: 1 car (15/1).
1 Hvy Tele Sect *b*: 1 car (2/1); 1 van (77).
2 Tele Ops Sect *a*: 1 car (15/1); 1 van (17).
1 Tele Ops Sect *b*: 1 car (15/1); 1 van (61).

NOTES:

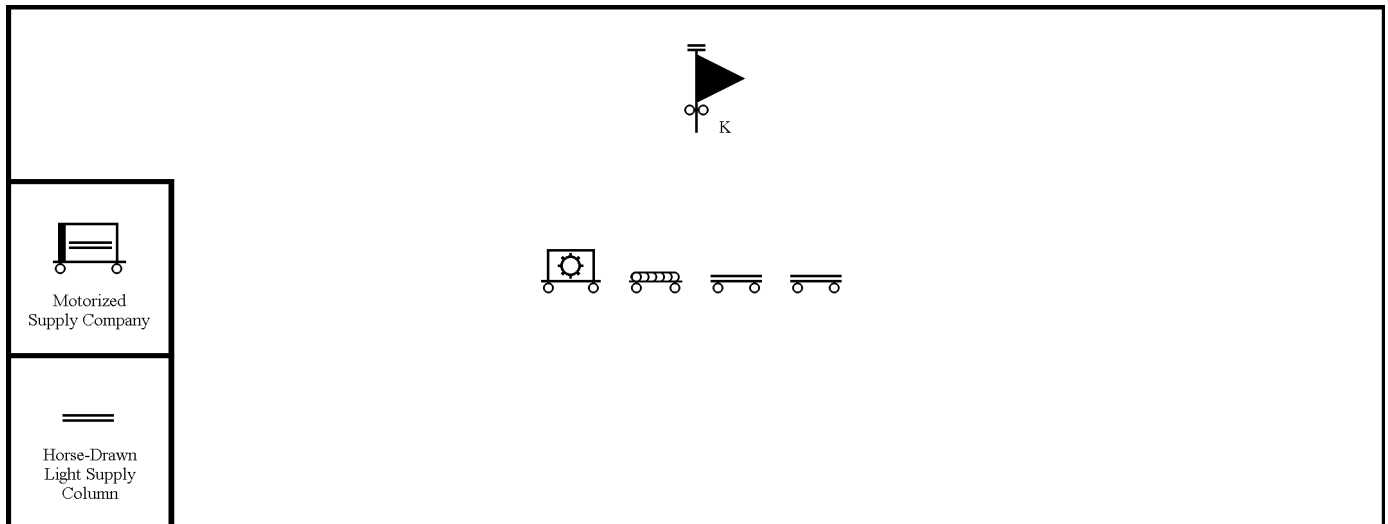
The signal units of the reduced-strength Corps Commands for Special Purposes were organized as follows:

- XXXI. Höheres Kommando 435th Signal Battalion Headquarters, 1st Telephone Construction Company [see below], 2nd Signal Company, 600th Telex Platoon.
XXXII. Höheres Kommando 432nd Signal Company.
XXXIII. Höheres Kommando 433rd Signal Battalion Headquarters, 1st Signal Company, 2nd Signal Company.
XXXIV. Höheres Kommando 434th Signal Company.
XXXV. Höheres Kommando 435th Signal Battalion Headquarters, 1st Signal Company, 2nd Telephone Operations Company.
XXXVI. Höheres Kommando 436th Signal Battalion Headquarters, 1st Signal Company, 2nd Telephone Operations Company.
XXXVII. Höheres Kommando 437th Signal Battalion Headquarters, 1st Signal Company, 2nd Signal Company.
XXXV. Höheres Kommando 446th Telephone Operations Company.

No information has been located regarding the motorized signal companies. It probable that they were mixed, having mainly telephone/wire components, with a few radio sections.

- KStN 837 Telephone Construction Company (motorized)**
1.10.1937
Co Hqs: 2 mcl; 1 mcl w/sc; 2 cars (15); 1 truck (light).
3 Plt: Hqs Sect: 2 mcl; 1 car (15); 1 truck (light); 2 wheeled tractors (Lanz *Bulldog*); 5 trailers (telephone pole).
1 Survey Sect: 1 car (15/1).
4 Tele Construction Sect: 1 car (2/1); 1 truck (medium).
Co Trains: 1 mcl; 4 trucks (light); 3 wheeled tractors (Lanz *Bulldog*); 6 trailers (telephone pole).

KORPS-NACHSCHUB-ABTEILUNG (motorisiert)
Motorized Corps Supply Battalion



- KStN 1207** **Headquarters, Corps Motorized Supply Battalion**
1.10.1937 Bn Hqs: 2 mcl; 1 mcl w/sc; 3 cars (15); 1 truck (light).
- KStN 1225 *)** **Motorized Light Supply Column (30-ton)**
1.10.1937 Col Hqs: 1 mcl; 1 mcl w/sc; 1 car (light).
2 Sect: 5 trucks (medium).
Col Trains: 1 mcl w/sc; 2 trucks (light).
- KStN1232** **Motorized P.O.L. Column (50m³)**
1.10.1937 Col Hqs: 1 mcl; 1 mcl w/sc; 1 car (light).
4 Sect: 5 trucks (medium).
Col Trains: 1 mcl w/sc; 2 trucks (light).
- KStN 1051** **Motorized Motor Maintenance Platoon**
1.10.1937 Plt: 1 mcl; 1 car (medium); 1 truck (light); 1 van (heavy); 1 bus (medium/22 seats); 1 halftrack (7); 1 trailer (spare parts); 1 trailer (generator).
- KStN 1255** **Motorized Supply Company**
1.10.1937 Co Hqs: 2 mcl w/sc; 1 car (light); 1 truck (light).
3 Supply Plt: 1 mcl w/sc; 3 trucks (medium).
1 Technical Plt: 1 mcl w/sc; 3 trucks (medium).
Co Trains: 1 mcl; 1 truck (light).

NOTES:

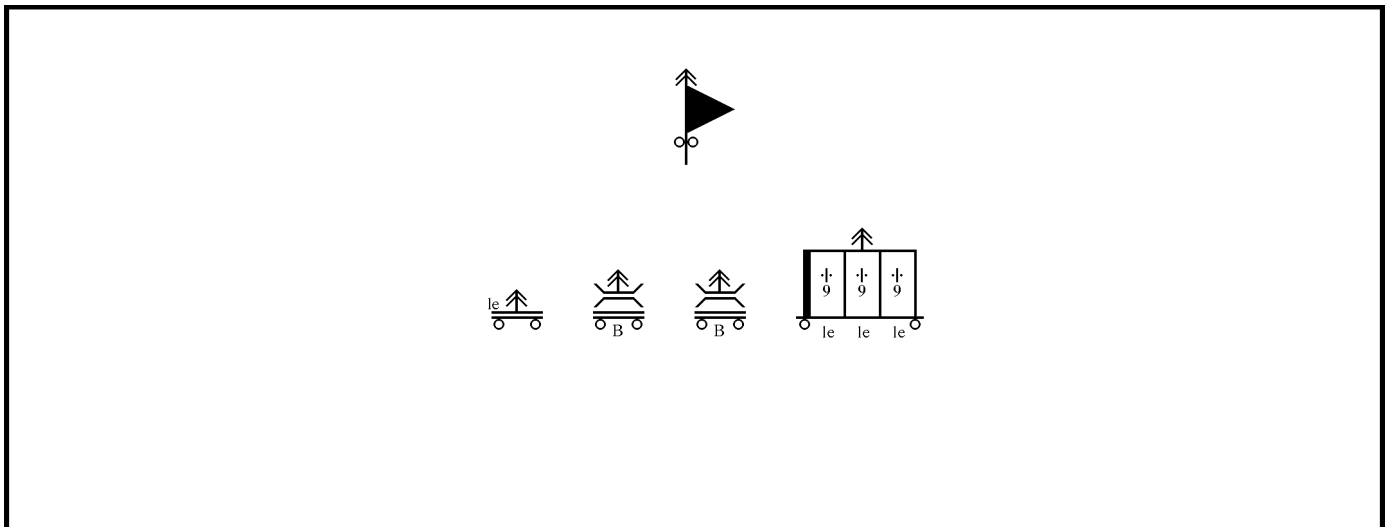
The Infantry Corps had one Motorized Light Supply Column (30 ton), the Motorized Corps had two Motorized Light Supply Columns (30 ton).

Most of the corps had a standard supply battalion as depicted above. Exceptions are noted below.

- | | |
|--------------------------|--|
| I. Armeekorps | no supply battalion headquarters, only the 1./421 Motorized Light Supply Column and 2./421 Motorized P.O.L. Column. |
| XXI. Armeekorps | no supply battalion headquarters, only the 1./463 Motorized Light Supply Column and 2./463 Motorized P.O.L. Column. |
| XXV. Armeekorps | the headquarters of the 307th Supply Battalion was present, but no subordinate supply units. |
| XIX. Armeekorps | 419th Supply Battalion without a maintenance platoon. |
| XXXI. Höheres Kommando | 431st Supply Battalion, with 1. – 3./431 Motorized Light Supply Columns and 431st Motorized Maintenance Platoon. |
| XXXII. Höheres Kommando | no supply battalion headquarters, only the 432nd Motorized Light Supply Column and 432nd Motorized Supply Company. |
| XXXIII. Höheres Kommando | 433rd Supply Battalion with 1./433 Motorized Light Supply Column and 2./433 Motorized P.O.L. Column. No maintenance platoon. |
| XXXIV. Höheres Kommando | no supply components at all. |
| XXXV. Höheres Kommando | no supply battalion headquarters, only the 435th Horse-Drawn Light Supply Column and 435th Motorized Supply Company. |
| XXXVI. Höheres Kommando | no supply battalion headquarters, only the 436th Horse-Drawn Light Supply Column. |
| XXXVII. Höheres Kommando | 437th Supply Battalion with 1./437 Motorized Light Supply Column and 2./437 Motorized P.O.L. Column. No maintenance platoon. |
| XXXV. Höheres Kommando | no supply battalion headquarters, only the 455th Motorized Light Supply Column and 445th Motorized Supply Company. |
- No indications have been found if the units under the Höh.Kdo. (originally Landwehr and/or Border Guard units) conformed to the regular army KStN by May 1940. They have been depicted here under the Landwehr organizations.

- KStN 1241 *)** **Horse-Drawn Light Supply Column**
1.10.1937 Col Hqs: 3mcl; 3 mcl w/sc; 3 cars.
3 Sect: 24 horses, 12 wagons (Hf 1).

KORPS-PIONIER-BATAILLON (motorisiert)
Motorized Corps Combat Engineer Battalion (motorized)

**KStN 703**

1.10.1937

Headquarters, Motorized Combat Engineer Battalion

Bn Hqs: 3 mcl; 2 mcl w/sc; 1 car (11); 2 car (15).
 Signal Det: Hqs Sect: 1 mcl w/sc.
 2 Pack Radio Sect *b*: 1 car (2).
 2 Pack Radio Sect *b*: ride together in 1 truck (2-ton).
 Bn Hqs Trains: 2 mcl; 2 trucks (light).

KStN 714

1.10.1938

Motorized Light Combat Engineer Company

Co Hqs: 3 mcl; 1 mcl w/sc; 1 car (15); 1 trucks (2-ton).
 2 Pack Radio Sect *b*: 1 car (15).
 3 Engr Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15).
 2 Engr Sect: 1 car (2); 2 trucks (2-ton); 1 Combat Engineer Section with 1 LMG.
 1 Engr Sect: 1 mcl; 1 mcl w/sc; ; 2 trucks (2-ton); 1 Combat Engineer Section with 1 LMG.
 Co Trains: 1 mcl; 2 trucks (light); 1 truck (medium).

KStN 733

1.10.1937

Motorized Type B Bridge Column

Col Hqs: 3 mcl; 1 car (2).
 2 Bridge Plt: Hqs Sect: 1 mcl; 1 car (2).
 Trestle Sect: 4 halftracks (7); 4 trailers (4-wheel w/ trestles)
 Pontoon Sect: 8 trucks (3-ton); 8 trailers (4-wheel w/ 3 pontoons each).
 Boat Sect: 1 truck (3-ton); 1 trailer (4-wheel w/ motor boat).
 1 Support Plt: 2 mcl w/sc; 1 truck (light); 1 truck (medium); 3 trucks (3-ton); 1 trailer (2-wheel w/ winch); 2 trailers (4-wheel w/ ramps).
 Col Trains: 1 truck (light).

KStN 737

1.10.1937

Motorized Type K Bridge Column

Col Hqs: 3 mcl; 1 car (light).
 2 Bridge Plt: Hqs Sect: 1 mcl; 1 mcl w/sc.
 Pontoon Sect: 4 trucks (3-ton).
 Trestle Sect: 2 trucks (4.5-ton); 1 trailer (with motor boat).
 Transom Sect: 4 trucks (4.5-ton).
 Tread Sect: 4 trucks (3-ton).
 1 Support Plt: 2 mcl w/sc; 6 trucks (medium).
 Col Trains: 1 truck (light).

KStN 741

1.10.1937

Motorized Light Engineer Transport Column

Col Hqs: 1 mcl; 1 mcl w/sc; 1 car (light).
 1 Plt: 1 mcl; 1 mcl w/sc; 6 trucks (medium); 2 trailers (2-wheel w/ air compressor).
 1 Plt: 1mcl; 1 mcl w/sc; 7 trucks (medium); 1 ambulance (31).
 Col Trains: 1 mcl; 1 truck (light).

NOTES:

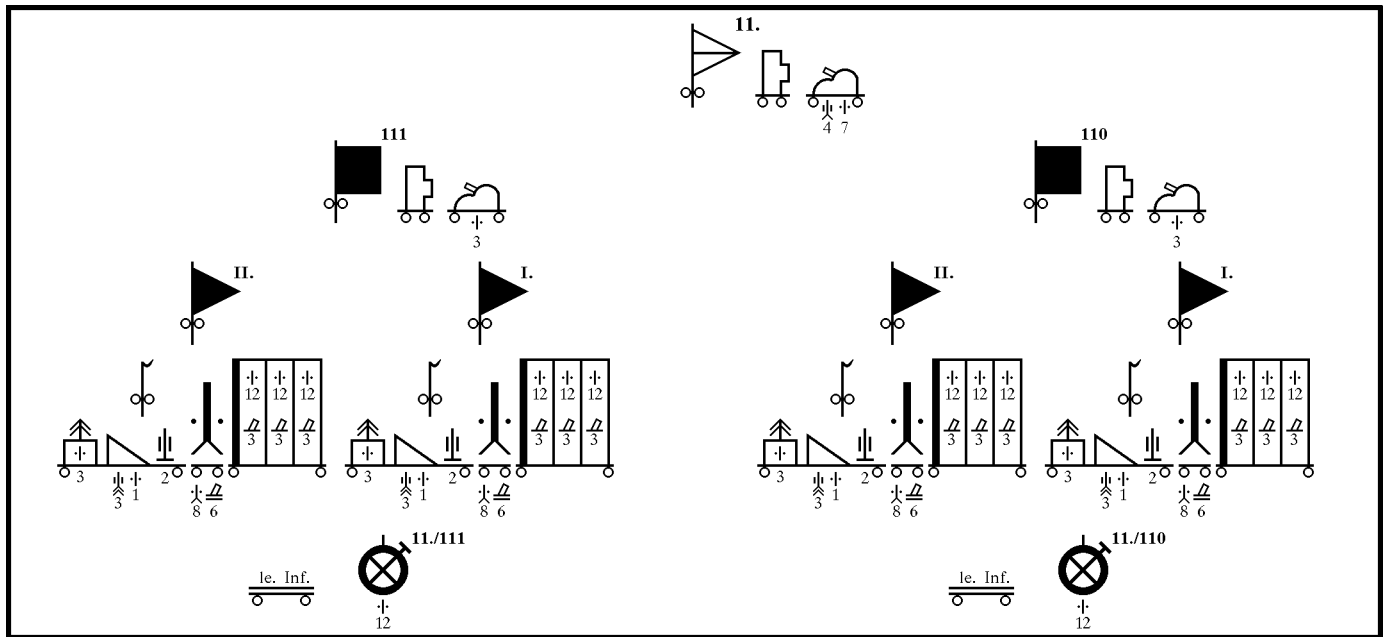
The XIV. Armeekorps (mot) had the 60th Combat Engineer Battalion, with two Type B bridge columns.

The XV. Armeekorps (mot) did not have a combat engineer battalion, but did have two Type B bridge columns.

The XVI. Panzerkorps had the 62nd Combat Engineer Battalion, and two Type B bridge columns, plus one Type K bridge column.

The other three Motorized Corps did not have any engineer elements.

11. SCHÜTZEN-BRIGADE (motorisiert) 11th Motorized Infantry Brigade

**KStN 54 *)**

1.10.1937

Headquarters, Motorized Infantry Brigade

Brig Hqs: 6 mcl; 4 mcl w/sc; 2 cars (15); 1 car (12); 1 Armored Command Car (247).
Brig Trains: 1 mcl; 1 car (15); 1 truck (light); 3 trucks (1.5-ton).

KStN 985 *)

21.11.1939

Motorized Signal Platoon, Motorized Independent Infantry Brigade

Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15).
1 Hvy Tele Sect: 1 car (2); 1 van (77).
1 Tele Ops Sect: 1 car (15); 1 van (77).
2 Lt Tele Sect c: 1 car (15/1).
4 Pack Radio Sect d: 1 car (2/2).

KStN 1137 *)

5.01.1940

Armored Car Platoon

Plt Hqs: 1 car (1); 1 truck (2-ton); 1 armored radio car (223).
2 Armored Car Sect: 3 armored car (221); 2 armored cars (222).

KStN 1111

1.10.1937

[modified]

Motorcycle Infantry Company

Co Hqs: 3 mcl; 1 mcl w/sc; 1 car (11); 1 car (15).
4 Mcl Plt: Hqs Sect: 2 mcl; 1 car (11); 1 car (18).
3 Mcl Sqd: 3 mcl w/sc; 1 Infantry Squad with 1 LMG.
Co Trains: 2 mcl w/sc; 1 car (15); 1 truck (light); 5 trucks (1.5-ton).

NOTES:

The organization presented on these two pages is speculative in nature. Only the pictorial representation (with the corresponding weapons symbols) is available. Therefore, the KStN of the 11th Motorized Infantry brigade can only be guessed at. It has been assumed that the Infantry Regiment (motorized) KStN were predecessors of the "c" KStN for the Infantry Division (motorized) of 1.08.1940.

The reasons for this conclusion are as follows: the infantry regiments were raised by the Infantry Inspectorate from replacement battalions; these Infantry Inspectorate replacement battalions also provided the replacements for the 11th Motorized Infantry Brigade; and, lastly, the number of weapons in the infantry units corresponds exactly to the later 1.08.1940 type "c" Infantry KStN, and not to any known Mobile Troops Inspectorate KStN.

Although the infantry battalions and companies were probably organized under the Infantry Inspectorate KStN, the infantry battalions, (as with many of the infantry battalions (motorized) that were incorporated into the Panzer Divisions from the Infantry Divisions (motorized)), were given a heavy weapons company organized in accordance with Mobile Troops KStN.

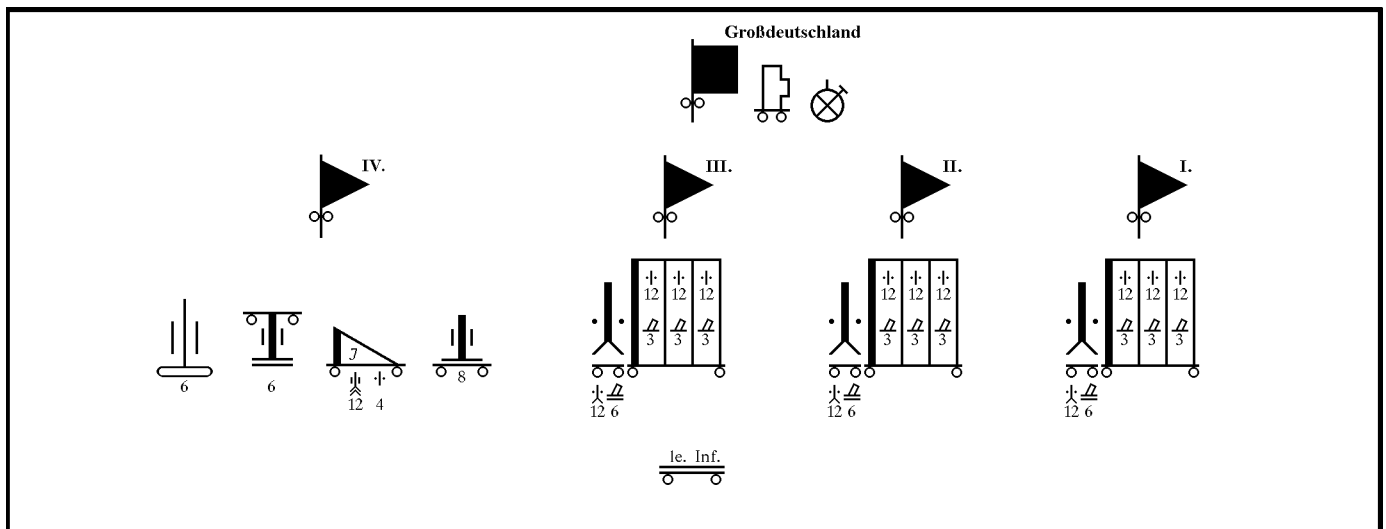
Status on 10.05.1940:

Commanding Officer: Oberst Günther Angern
Raised: 8.12.1939
Home Garrison: I. Wehrkreis
Assigned to: OKH Reserves

11. SCHÜTZEN-BRIGADE (motorisiert) 11th Motorized Infantry Brigade

- KStN 103c *)**
1.12.1939
Headquarters, Infantry Regiment (motorized)
Rgt Hqs: 5 mcl; 2 mcl w/sc; 2 cars (12); 1 car (21).
Armored Car Section: 3 armored cars (13); 3 armored cars (14).
- KStN 261c *)**
1.12.1939
Signal Platoon, Infantry Regiment (motorized)
Plt Hqs: 1 mcl; 1 car (15); 1 truck (medium).
3 Lt Tele Sect c: 1 car (15/1).
2 Pack Radio Sect d: ride in Platoon Headquarters vehicles.
2 Pack Radio Sect d: 1 car (2/2).
- KStN 202 *)**
1.10.1937
Light Infantry Column (motorized)
Co Hqs: 2 mcl; 1 car (medium).
Ammo Plt: 1 mcl w/sc; 13 trucks (light).
Col Trains: 1 car (light); 3 trucks (light).
- KStN 115c *)**
1.12.1939
Headquarters, Infantry Battalion (motorized)
Bn Hqs: 4 mcl; 2 mcl w/sc; 2 cars (11); 1 car (21).
Signal Det: Hqs Sect: 1 mcl w/sc; 1 car (15/2); 1 truck (1.5-ton).
2 Lt Tele Sect c: 1 car (15/2).
4 Pack Radio Sect d: ride in Headquarters Section 1.5-ton truck.
Bn Trains: 3 mcl; 1 mcl w/sc; 4 trucks (light); 1 truck (3-ton).
- KStN 138c *)**
1.12.1939
Infantry Company (motorized)
Co Hqs: 3 mcl; 2 mcl w/sc; 1 car (11); 1 truck (3-ton).
3 Inf Plt: Hqs Sect: 1 mcl w/sc; 1 car (11).
4 Inf Sqd: 1 truck (3-ton); 1 Infantry Squad with 1 LMG.
1 Mortar Sect: 1 mortar (50mm); rides with one of the squads.
Co Trains: 1 mcl; 1 mcl w/sc; 1 car (light); 4 trucks (light); 1 truck (3-ton).
- KStN 161c *)**
1.12.1939
Mixed Machine-Gun Company (motorized)
Co Hqs: 3 mcl; 2 mcl w/sc; 2 cars (11).
2 HMG Plt: Hqs Sect: 1 mcl w/sc; 1 car (11).
2 MG Sect: 1 truck (3-ton); 2 HMG.
1 Mortar Plt: Hqs Sect: 1 mcl; 1 car (11).
3 Mortar Sect: 1 mcl; 2 trucks (3-ton); 2 mortars (18mm).
Co Trains: 1 mcl; 1 mcl w/sc; 1 car (light); 6 trucks (light); 1 truck (3-ton).
- Motorized Heavy Company**
- KStN 1121**
1.10.1937
Co Hqs: 2 mcl; 2 mcl w/sc; 1 car (15).
Co Trains: 1 mcl; 2 mcl w/sc; 1 car (medium); 5 trucks (2-ton); 1 truck (medium).
- KStN 1122**
1.10.1937
ATG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 truck (69).
Gun Sect: 4 trucks (69); 3 ATG (37mm – towed); 1 LMG.
- KStN 1123**
1.10.1937
Lt IG Plt: Hqs Sect: 1 mcl; 2 mcl w/sc; 1 car (12).
1 Lt Tele Sect c: 1 car (15/1).
Gun Sect: 1 mcl w/sc; 3 trucks (69); 2 lt IG (75mm – towed); 1 trailer (ammo).
- KStN 1124**
1.10.1937
Engr Plt: Hqs Sect: 2 mcl; 2 mcl w/sc; 3 car (15).
3 Engr Sect: 2 trucks (3-ton); 1 Engineer Section w/ 1 LMG.

INFANTERIEREGIMENT (motorisiert) GROßDEUTSCHLAND
Infantry Regiment (motorized) Gross-Deutschland



- KStN 104 *) Headquarters, Infantry Regiment (motorized) Großdeutschland**
 1.12.1939 Rgt Hqs: 6 mcl; 4 mcl w/sc; 3 cars (12); 1 car (21).
- KStN 262 *) Signal Platoon, Infantry Regiment (motorized) Großdeutschland**
 1.12.1939 Plt Hqs: 1 mcl; 1 car (15); 1 truck (medium).
 4 Lt Tele Sect c: 1 car (15/1).
 2 Pack Radio Sect d: ride in Platoon Headquarters vehicles.
 2 Pack Radio Sect d: 1 car (2/2).
- KStN 1067 *) Motorcycle Messenger Platoon**
 1.10.1938 Mcl Plt: Hqs Sect: 2 mcl; 1 mcl w/sc; 1 car (1).
 5 Sect: 7 mcl.
- KStN 202 *) Light Infantry Column (motorized)**
 1.10.1937 Co Hqs: 2 mcl; 1 car (medium).
 Ammo Plt: 1 mcl w/sc; 13 trucks (light).
 Col Trains: 1 car (light); 3 trucks (light).
- KStN 118 *) Headquarters, Infantry Battalion (motorized) / Infantry Regiment (motorized) Großdeutschland**
 1.12.1939 Bn Hqs: 4 mcl; 2 mcl w/sc; 2 cars (11); 1 car (21).
 Signal Det: Hqs Sect: 1 mcl w/sc; 1 car (15/2); 1 truck (1.5-ton).
 2 Lt Tele Sect c: 1 car (15/2).
 2 Lt Radio Sect: 1 van (17).
 4 Pack Radio Sect d: 1 car (2/2)
 Bn Trains: 3 mcl; 1 mcl w/sc; 5 trucks (light); 1 truck (3-ton).
- KStN 139 *) Infantry Company (motorized) / Infantry Regiment (motorized) Großdeutschland**
 1.12.1939 Co Hqs: 3 mcl; 2 mcl w/sc; 1 car (11); 1 truck (3-ton).
 3 Inf Plt: Hqs Sect: 1 mcl w/sc; 1 car (11).
 4 Inf Sqd: 1 truck (3-ton); 1 Infantry Squad with 1 LMG.
 1 Mortar Sect: 1 mortar (50mm); rides with one of the squads.
 Co Trains: 1 mcl; 1 mcl w/sc; 1 car (light); 5 trucks (light); 1 truck (3-ton).
- KStN 162 *) Mixed Machine-Gun Company (motorized) / Infantry Regiment (motorized) Großdeutschland**
 1.12.1939 Co Hqs: 3 mcl; 3 cars (11).
 3 HMG Plt: Hqs Sect: 1 mcl w/sc; 2 cars (11).
 2 MG Sect: 1 truck (3-ton); 2 HMG.
 1 Mortar Plt: Hqs Sect: 1 mcl; 1 car (11).
 3 Mortar Sect: 1 car (11); 2 trucks (3-ton); 2 mortars (18mm).
 Co Trains: 1 mcl; 1 mcl w/sc; 1 car (light); 6 trucks (light); 1 truck (3-ton).

NOTES:

The Infanterie-Regiment (motorisiert) Großdeutschland was the German Army's (and specifically, the Infantry Inspectorate's) elite unit. It was provided with its own specific Infantry Inspectorate KStN, which entailed extra equipment and special status. It always provided with the latest equipment and received the best personnel from all over Germany. It was closely associated with two other elite units, the Berlin-Wach-Bataillon (the Army's capital city guard and ceremonies battalion) and the Führer-Begleit-Bataillon (the Army's escort battalion for Adolf Hitler), with which the Inf.Rgt. GD continually exchanged personnel. It was destined to increase to Brigade, division, and finally, in 1944, to Panzerkorps size.

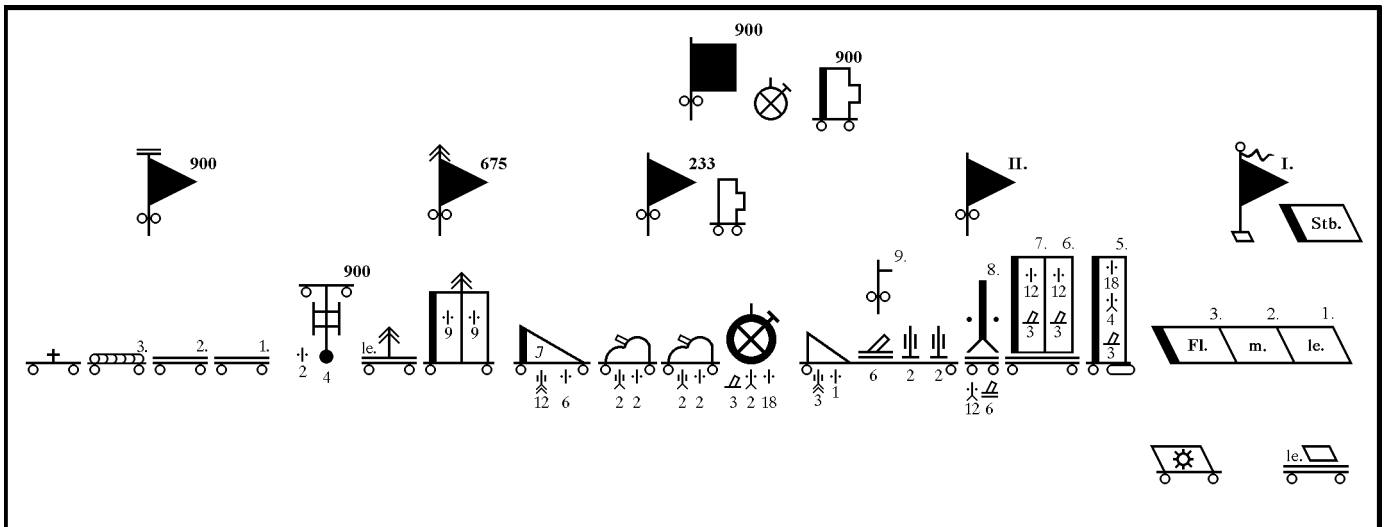
Status on 10.05.1940:

Commanding Officer: Oberst Wilhelm-Hunold von Stockhausen
 Raised: 12.06.1939 (motorized as of 1.10.1939)
 Home Garrison: III. Wehrkreis
 Assigned to: XIX. Armeekorps (mot), Gruppe Kleist

INFANTERIEREGIMENT (motorisiert) GROßDEUTSCHLAND
Infantry Regiment (motorized) Gross-Deutschland

- KStN 118 *)**
 1.12.1939 **Headquarters, Infantry Battalion (motorized) / Infantry Regiment (motorized) Großdeutschland**
 Bn Hqs: 4 mcl; 2 mcl w/sc; 2 cars (11); 1 car (21).
 Signal Det: Hqs Sect: 1 mcl w/sc; 1 car (15/2); 1 truck (1.5-ton).
 2 Lt Tele Sect c: 1 car (15/2).
 2 Lt Radio Sect: 1 van (17).
 4 Pack Radio Sect d: 1 car (2/2)
 Bn Trains: 3 mcl; 1 mcl w/sc; 5 trucks (light); 1 truck (3-ton).
- KStN 174 *)**
 1.10.1939 **Light Infantry-Gun Company (motorized) / Infantry Regiment (motorized) Großdeutschland**
 Co Hqs: 3 mcl; 3 mcl w/sc; 1 car (12); 2 cars (15).
 Lt Tele Sect: 1 car (15/1).
 3 Lt IG Plt: Hqs Sect: 2 mcl; 1 mcl w/sc; 1 car (12); 1 car (15).
 Lt Tele Sect: 1 car (15/1).
 Gun Det: 6 cars (12); 2 lt IG (75 – towed); 4 trailers (ammo).
 Co Trains: 1 mcl; 1 mcl w/sc; 1 car (medium); 1 truck (light); 1 truck (1.5-ton); 1 truck (3-ton).
- KStN 185 *)**
 1.10.1939 **Infantry Anti-Tank Company (motorized) / Infantry Regiment (motorized) Großdeutschland**
 Co Hqs: 3 mcl; 1 mcl w/sc; 1 car (12).
 4 ATG Plt: Hqs Sect: 3 mcl; 2 cars (12).
 Gun Det: 7 cars (12); 3 ATG (37mm – towed); 3 trailers (ammo); 1 LMG.
 Co Trains: 1 mcl w/sc; 1 car (light); 2 trucks (1.5-ton); 1 truck (3-ton).
- KStN 178 *)**
 1.10.1939 **Heavy Infantry-Gun Company (motorized) / Infantry Regiment (motorized) Großdeutschland**
 Co Hqs: 3 mcl; 3 mcl w/sc; 1 car (12); 2 cars (15).
 2 Lt Tele Sect: 1 car (15/1).
 2 Pack Radio Sect: 1 car (2/2).
 2 Lt IG Plt: Hqs Sect: 2 mcl; 1 mcl w/sc; 1 car (12); 1 car (15).
 Lt Tele Sect: 1 car (15/1).
 Gun Det: 4 halftracks (10); 2 hvy IG (150mm – towed); 2 trailers (ammo).
 Co Trains: 1 mcl; 1 mcl w/sc; 1 car (medium); 1 truck (light); 1 truck (1.5-ton); 1 truck (3-ton).
- KStN 445 *)**
 1.11.1939 **Independent Assault Gun Battery**
 Co Hqs: 3 mcl; 1 mcl w/sc; 3 cars (15); 1 armored halftrack (251).
 3 Gun Plt: Hqs Sect: 1 mcl; 1 armored command halftrack (253).
 Ammo Sect: 1 mcl w/sc; 5 trucks (3-ton).
 Gun Sect: 2 assault guns (142).
 Maint Sect: 1 mcl w/sc; 1 car (2/40); 5 trucks (3-ton).
 Bty Trains: 1 mcl w/sc; 1 AA car (4); 4 trucks (medium).

**REGIMENT 900 (motorisiert)
900th Regiment (motorized)**



KStN 104 *) Headquarters, Infantry Regiment (motorized) Großdeutschland
1.12.1939 Rgt Hqs: 6 mcl; 4 mcl w/sc; 3 cars (12); 1 car (21).

KStN 1067 *) Motorcycle Messenger Platoon
1.10.1938 Mcl Plt: Hqs Sect: 2 mcl; 1 mcl w/sc; 1 car (1).
5 Sect: 7 mcl.

KStN 913 *) 900th Signal Platoon (motorized)
10.06.1940 Co Hqs: 2 mcl; 1 mcl w/sc; 2 cars (15/2); 1 truck (2-ton).
Tele Plt: Hqs Sect: 2 mcl; 1 car (15/1).
2 Tele Ops Sect: 1 car (15/1); 1 van (77).
2 Hvy Tele Sect: 1 car (2/1); 1 van (77).
4 Lt Tele Sect: 1 car (15/1).
Radio Plt: Hqs Sect: 2 mcl; 1 car (15/1).
2 Med Radio Sect: 1 car (15/2); 1 van (17).
4 Lt Radio Sect: 1 van (17).
4 Pack Radio Sect: 1 car (2/2).

KStN 1208 *) Headquarters, Motorized Divisional Supply Battalion
1.03.1939 Bn Hqs: 1 mcl; 4 mcl; 1 car (medium); 1 bus (light/11 seats).
Bn Trains: 1 truck (light).

KStN 1225 Motorized Transport Column (30 tons)
1.10.1937 Col Hqs: 1 mcl; 1 mcl w/sc; 2 cars (light).
2 Sect: 5 trucks (medium).
1 Sect: 1 mcl w/sc; 1 truck (light).

KStN 1226 Motorized Fuel Transport Column (25 m³)
1.10.1937 Col Hqs: 1 mcl; 1 mcl w/sc; 1 car (light).
2 Sect: 5 trucks (medium).
1 Sect: 1 mcl w/sc; 1 truck (light).

KStN 1365 *) Motorized Ambulance Platoon
1.10.1937 Plt Hqs: 1 car (light); 2 trucks (light).
3 Sect: 5 ambulances (31).

NOTES:

The *Infanterie-Regiment (motorisiert) 900*, also designated in some sources as as the *Lehr-Regiment 900 (motorisiert)*, did not become ready until 15.06.1940. It was an ad-hoc formation consisting of units contributed by the various Lehr (demonstration) and service schools, many without specific KStN. Though KStN numbers have been tentatively assigned in accordance with the weapons symbols of the organisational diagrams, readers are warned that in many cases they cannot be binding.

Kavallerieschule (Cavalry School) Krampnitz:

- motorcycle platoon, regiment headquarters
- two armored car platoons (233. Battalion)

Panzer-Lehr-Regiment and Panzer-Truppen-Schule (Armored Demonstration Regiment and Armored Troops School):

- 900. Regiment headquarters
- I. Battalion
- 5. Armored Infantry Company
- 9. Motorized Heavy Company (except 1 light infantry gun platoon)
- 233. Battalion headquarters
- motorcycle company (with some elements from the Cavalry School)
- motorized antitank company

Infanterie-Lehr-Regiment (Infantry Demonstration Regiment)

These units were not motorized, but truck-borne and moved in motor vehicles attached from the central transport reserve.

- II. Battalion headquarters
- 6. and 7. Infantry Companies
- 8. Heavy Company
- one motorized heavy infantry gun platoon in the (9th) heavy company

Artillerie-Schule (Artillery School)

- motorized light field howitzer company

Heeres-Nachrichten-Schule (Army Signal School)

- 900. Mixed Signal Company (motorized)

The 900. Nachschub-Batallion was also raised for the regiment, but no indication by which service school(s) this was done has been found.

The 675. Pionier-Batallion was a GHQ troops unit, raised 15.06.40.

Note that there was was no 4th Company.

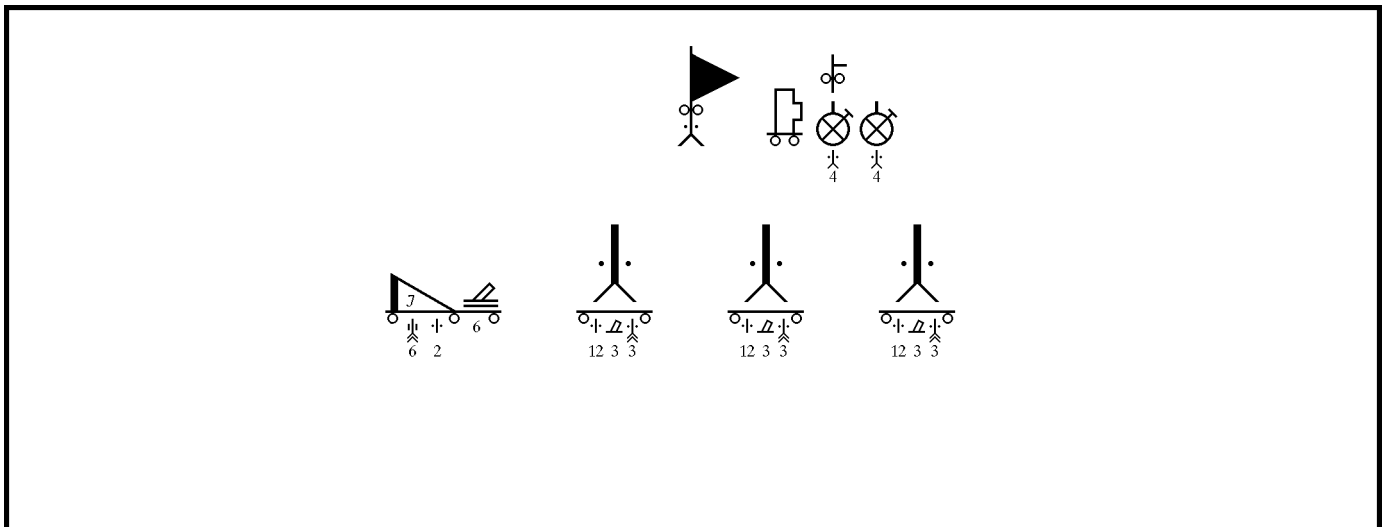
REGIMENT 900 (motorisiert)
900th Regiment (motorized)

- KStN 1107(Sd) *** **Headquarters, Tank Battalion**
1.09.1939 Bn Hqs: 2 mcl; 1 mcl w/sc; 1 car (light); 3 cars (15)
- KStN 1150(Sd) *** **Headquarters Company, Panzer Battalion**
1.09.1939 Co Hqs: 3 mcl; 1 car (15).
Signal Plt: 1 Pz-III (141); 2 Pz-Bef-III (267).
2 Lt Tele Sect c: 1 car (15/1).
Lt Tank Plt: 1 mcl; 5 Pz-II (121).
Scout Plt: Hqs Sect: 3 mcl; 1 car (1).
4 Sect: 1 mcl; 2 mcl w/sc; 1 LMG.
Engineer Plt: Hqs Sect: 1 mcl; 1 car (15).
4 Engineer Sect: 1 truck (3-ton); 1 LMG.
AA Plt: 4 cars (4 w/ dual MG).
Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 truck (3-ton).
Co Trains: 1 mcl; 2 mcl w/sc; 1 car (light); 1 car (15); 7 trucks (2-ton); 2 trucks (medium); 6 trucks (3-ton); 1 ambulance (31).
Bn Admin Det: 1 mcl; 1 car (light); 1 car (15); 1 truck (light).
Bn Hqs Trains: 1 truck (light).
- KStN 1185 *** **Motorized Tank Maintenance Platoon**
1.10.1937 Plt Hqs: 1 mcl w/sc; 1 car (light).
Maint Det: 1 mcl w/sc; 1 car (light); 2 trucks (medium); 1 truck (1.5-ton); 1 truck (3-ton); 1 van (79); 4 halftracks (7); 1 halftrack (9);
1 trailer (generator); 1 trailer (light tank); 4 trailers (heavy tank).
Armorer Sect: 1 truck (light).
Signal Maint Sect: 1 truck (1.5-ton); 1 van (42); 1 trailer (generator).
Plt Trains: 1 mcl w/sc; 1 car (light); 2 trucks (light).
- KStN 1183(Sd) *** **Light Motorized Transport Column, Tank Battalion**
1.09.1939 Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15).
3 Transport Sect: 8 trucks (3-ton).
Col Maint Sect: 1 mcl w/sc; 1 car (2/40).
Col Trains: 1 truck (light); 1 truck (2-ton w/ field oven).
- KStN 1171(Sd) *** **Light Tank Company**
1.09.1939 Co Hqs: 3 mcl; 1 car (15/2); 1 Pz-II (121); 1 Pz-III (141).
1 Tank Plt: 5 Pz-II (121).
3 Tank Plt: 5 Pz-III (141).
Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 truck (3-ton); 2 halftracks (10).
Co Trains: 2 mcl w/sc; 1 car (15); 1 truck (light); 1 truck (medium); 7 trucks (3-ton).
- KStN 1175(Sd) *** **Medium Tank Company**
1.09.1939 Co Hqs: 3 mcl; 1 car (15/2); 2 Pz-IV (141).
1 Tank Plt: 5 Pz-II (121).
3 Tank Plt: 4 Pz-IV (161).
Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 truck (3-ton); 2 halftracks (10).
Co Trains: 2 mcl w/sc; 1 car (15); 1 truck (light); 1 truck (medium); 7 trucks (3-ton).
- KStN 1177*** **Flame Tank Company**
1.05.1940 Co Hqs: 3 mcl; 1 car (15/2); 2 Pz-II (121).
3 Tank Plt: 1 Pz-II (121); 4 Flamm-Panzer II (122).
Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 truck (3-ton); 2 halftracks (10).
Co Trains: 2 mcl w/sc; 1 car (15); 1 truck (light); 1 truck (medium); 7 trucks (3-ton).
- KStN 111** **Headquarters, Infantry Battalion** (wagons and animals left behind in the School, and equipped with trucks for all transport)
1.10.1937 Bn Hqs:
Signal Det: Hqs Sect:
2 Lt Tele Sect a:
4 Pack Radio Sect d:
Bn Trains:
- KStN 1114(gp) *** **Armored Infantry Company**
1.12.1939 Co Hqs: 3 mcl; 2 mcl w/sc; 1 MTW (250/3).
[modified] HMG Sect: MTW (251/1); 2 HMG.
3 Inf Plt: Hqs Sect: 1 mcl; 1 MTW (251/1); 1 mortar (50mm).
3 Inf Sqd: 1 MTW (251/1); 1 Infantry Squad w/ 2 LMG.
Co Trains: 2 mcl; 1 car (15); 1 truck (light); 5 trucks (2-ton).
- KStN 131** **Infantry Company** (wagons and animals left behind in the School, and equipped with trucks for all transport)
1.10.1937 Co Hqs:
3 Inf Plt: Hqs Sect:
4 Inf Sqd: 1 Infantry Squad with 1 LMG.
1 Mortar Sect: 1 mortar (50mm).
Co Trains:
- KStN 161c *** **Mixed Machine-Gun Company (motorized)**
1.12.1939 Co Hqs: 3 mcl; 2 mcl w/sc; 2 cars (11).
3 HMG Plt: Hqs Sect: 1 mcl w/sc; 1 car (11).
2 MG Sect: 1 truck (3-ton); 2 HMG.
1 Mortar Plt: Hqs Sect: 1 mcl; 1 car (11).
3 Mortar Sect: 1 mcl; 2 trucks (3-ton); 2 mortars (18mm).
Co Trains: 1 mcl; 1 mcl w/sc; 1 car (light); 6 trucks (light); 1 truck (3-ton).
- KStN 1121** **Motorized Heavy Company**
1.10.1937 Co Hqs: 2 mcl; 2 mcl w/sc; 1 car (15).
Co Trains: 1 mcl; 2 mcl w/sc; 1 car (medium); 5 trucks (2-ton); 1 truck (medium).
- KStN 1122** **ATG Plt:** Hqs Sect: 1 mcl; 1 mcl w/sc; 1 truck (69).
1.10.1937 Gun Sect: 4 trucks (69); 3 ATG (37mm – towed); 1 LMG.
- KStN 1123** **Lt IG Plt:** Hqs Sect: 1 mcl; 2 mcl w/sc; 1 car (12).
1.10.1937 1 Lt Tele Sect c: 1 car (15/1).
Gun Sect: 1 mcl w/sc; 3 trucks (69); 2 Lt IG (75mm – towed); 1 trailer (ammo).
- KStN 1126** **Mortar Plt:** Hqs Sect: 1 mcl w/sc; 1 car (11).
1.10.1938 3 Mortar Sect: 3 trucks (70); 2 mortars (81mm).
- ex KStN 178 *** **Hvy IG Plt:** Hqs Sect: 2 mcl; 1 mcl w/sc; 2 cars (15).
1.10.1937 Gun Det: 4 halftracks (10); 2 hvy IG (150 – towed); 2 trailers (ammo).

REGIMENT 900 (motorisiert)
900th Regiment (motorized)

- KStN 1105**
1.10.1937
Headquarters, Motorized Reconnaissance Battalion
Bn Hqs: 3 mcl; 2 mcl w/sc; 1 car (11); 1 car (15); 1 armored command car (247).
Bn Trains: 1 mcl w/sc; 2 cars (medium); 1 car (1); 4 trucks (light); 5 trucks (2-ton); 1 ambulance (31).
- KStN 1191**
1.10.1938
Motorized Signal Platoon, Motorized Reconnaissance Battalion
Hqs Sect: 1 mcl; 2 mcl w/sc; 1 car (15); 1 truck (2-ton).
1 Lt Tele Sect *c*: 1 car (15/1).
2 Pack Radio Sect *b*: 1 car (2/2).
2 Med Armd Radio Sect *b*: 1 car (15); 1 radio armored car (263).
4 Lt Armd Radio Sect *d*: 1 radio armored car (261).
1 Lt Armd Radio Sect *c*: 1 radio armored car (260).
- KStN 1113 *)**
1.10.1937
Motorcycle Infantry Company
Co Hqs: 3 mcl; 1 mcl w/sc; 1 car (15); 1 car (18).
HMG Det: 10 mcl w/sc; 2 HMG.
3 Mcl Plt: Hqs Sect: 2 mcl; 1 car (11); 1 car (18).
3 Mcl Sqd: 4 mcl w/sc; 1 Infantry Squad w/ 2 LMG.
1 Mortar Sect: 2 mcl w/sc; 1 mortar (50mm).
Co Trains: 2mcl; 1 car (15); 1 truck (light); 5 trucks (2-ton).
- KStN 371 *)**
1.10.1938
Armored Car Platoon
Plt: 2 armored cars (222); 1 armored car (223).
- KStN 1141 *)**
10.10.1937
Motorized Antitank Company, Type a
Co Hqs: 3 mcl; 1 mcl w/sc; 1 car (15).
3 AT Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (12).
Gun Sect: 6 trucks (69); 4 ATG (37mm – towed); 2 trailers (ammo); 2 LMG.
Co Trains: 1 car (light); 3 trucks (light); 1 truck (2-ton); 1 truck (medium); 1 trailer (ammo).
- KStN 703**
1.10.1937
Headquarters, Motorized Combat Engineer Battalion
Bn Hqs: 3 mcl; 2 mcl w/sc; 1 car (11); 2 cars (15).
Signal Det: Hqs Sect: 1 mcl w/sc.
2 Pack Radio Sect *b*: 1 car (2).
2 Pack Radio Sect *b*: ride together in 1 truck (2-ton).
Bn Hqs Trains: 2 mcl; 2 trucks (light).
- KStN 712**
1.10.1937
Motorized Combat Engineer Company
Co Hqs: 1 mcl; 4 mcl w/sc; 1 car (15).
2 Pack Radio Sect *b*: 1 car (15).
3 Engr Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15); 1 truck (3-ton).
3 Engr Sect: 1 truck (3-ton); 1 Combat Engineer Section with 1 LMG.
Co Trains: 1 mcl; 2 trucks (light); 4 trucks (medium).
- KStN 741**
1.10.1937
Motorized Light Engineer Column
Col Hqs: 1 mcl; 1 mcl w/sc; 1 car (light).
1 Plt: 1 mcl; 1 mcl w/sc; 6 trucks (medium); 2 trailers (2-wheel w/ air compressor).
1 Plt: 1mcl; 1 mcl w/sc; 7 trucks (medium); 1 ambulance (31).
Col Trains: 1 mcl; 1 truck (light).
- KStN 434**
1.10.1938
Motorized 105mm Light Field Howitzer Battery / Panzer Division
Hqs Sect: 3 mcl; 1 car (11); 1 car (12).
1 Hvy Tele Sect *a*: 1 car (2/2); 1 van (23).
1 Med tele Sect *b*: 1 car (15/1); 1 van (79).
1 Pack Radio Sect *f*: 1 car (2).
2 Pack Radio Sect *f*: ride in other Battery vehicles.
Gun Plt: 2 mcl; 1 car (1); 2 cars (12); 1 car (4 w/ dual MG); 4 halftracks (6/1); 4 light field howitzers (105mm – towed).
1st Ammo Det: 2 mcl; 1 mcl w/sc; 1 car (light); 4 trucks (2-ton).
2nd Ammo Det: 1 mcl; 4 trucks (2-ton); 4 trailers (ammo).
Bty Trains: 1 mcl; 1 mcl w/sc; 2 trucks (light); 2 trucks (medium); 1 halftrack (6/1).

MASCHINENGEWEHR-BATAILLON (motorisiert)
Independent Machine Gun Battalion (motorized)



- KStN 120 *)**
 1.04.1940 **Headquarters, Infantry Machine Gun Battalion (motorized)**
 Bn Hqs: 7 mcl; 2 mcl w/sc; 1 car (1); 1 car (15); 1 car (21).
- KStN 164 *)**
 1.04.1940 **Headquarters Company, Infantry Machine Gun Battalion (motorized)**
 Co Hqs: 6 cmL, 1 car (15).
 2 Mcl MG Plt: Hqs Sect: 2 mcl; 1 mcl w/sc; 2 cars (15); 1 car (18).
 2 Mcl MG Det: 2 mcl; 6 mcl w/sc; 2 HMG.
 Signal Plt: Plt Hqs: 2 mcl; 1 car (15/1).
 4 Lt Tele Sect *a*: 1 car (15/1).
 6 Pack Radio Sect *d*: 1 car (2/2).
 Bn Trains: 2 mcl; 1 mcl w/sc; 1 car (light); 5 trucks (light).
- KStN 166 *)**
 1.04.1940 **Infantry Machine Gun Company (motorized), Infantry Machine Gun Battalion (motorized)**
 Bty Hqs: 6 mcl; 2 mcl w/sc; 1 car (18).
 ATR Sect: 1 mcl; 3 mcl w/sc; 3 ATR.
 Signal Det: 1 Lt Tele Sect *c*: 1 car (15/1).
 1 Lt Radio Sect: 1 van (17).
 4 Pack Radio Sect *d*: 1 car (2).
 3 MG Plt: Hqs Sect: 2 mcl; 1 mcl w/sc; 1 car (18).
 1 Lt Tele Sect *c*: 1 car (15/1).
 2 MG Det: 2 trucks (70); 2 HMG.
 1 Mortar Sect: 2 mcl w/sc; 1 mortar (60mm).
 Bty Trains: 1 mcl; 1 mcl w/sc; 1 car (light); 3 trucks (1.5-ton); 2 trucks (3-ton).
- KStN 167 *)**
 1.04.1940 **Infantry Anti-Tank Company (motorized)**
 Co Hqs: 5 mcl; 1 mcl w/sc; 2 cars (12).
 2 ATG Plt: Hqs Sect: 3 mcl; 1 mcl w/sc; 1 car (12).
 Gun Det: 7 cars (12); 3 ATG (37mm – towed); 3 trailers (ammo); 1 LMG.
 Mortar Plt: Hqs Sect: 2 mcl; 1 mcl w/sc; 1 car (12).
 3 Mortar Sect: 3 cars (12); 2 mortars (81mm); 1 trailer (ammo).
 Co Trains: 1 mcl w/sc; 1 car (light); 3 trucks (1.5-ton); 2 trucks (3-ton).

Battalion	Assignment	Notes
1. MG-Bataillon (mot)	VIII. Armeekorps, 4. Armee, Hgr. A	[1]
2. MG-Bataillon (mot)	XXIII. Armeekorps, 16. Armee, Hgr. A	
3. MG-Bataillon (mot)	XXIII. Armeekorps, 16. Armee, Hgr. A	
4. MG-Bataillon (mot)	Gruppe XXI	
5. MG-Bataillon (mot)	XXIII. Armeekorps, 16. Armee, Hgr. A	
6. MG-Bataillon (mot)	IX. Armeekorps, 6. Armee, Hgr. B	
7. MG-Bataillon (mot)	XXVII. Armeekorps, 6. Armee, Hgr. B	
8. MG-Bataillon (mot)	XV. Armeekorps, a 4. Armee, Hgr. A	[1]
9. MG-Bataillon (mot)	XVI. Armeekorps, 6. Armee, Hgr. B	[2]
10. MG-Bataillon (mot)	16. Armee Reserves, Hgr. A	
11. MG-Bataillon (mot)	XIX. Armeekorps, Gruppe Kleist, Hgr. A	
13. MG-Bataillon (mot)	Gruppe XXI	
14. MG-Bataillon (mot)	Gruppe XXI	
15. MG-Bataillon (mot)	XXVI. Armeekorps, 18. Armee, Hgr. B	

NOTES:

[1] Additionally had 1 combat engineer company, plus 1 antitank company.

[2] The 4th (heavy) Company was detached to XXV. Armeekorps, 18. Armee, Hgr. B

NOTES:

The Independent Machine Gun Battalions (motorized) had originally been conceived as mobile defensive units and were usually held in reserve during an offensive and were exclusively GHQ Troops. As the name indicates, these battalions were lavishly equipped with heavy machine guns. Often engineers were attached to provided support and assistance in the construction of road blocks, field fortifications, mine fields, etc.

<i>Specifications of the 37mm Anti-Tank Gun:</i>	
Designation:	3,7cm Panzerabwehrkanonen (Pak) 35/36
Gun made by:	Rheinmetall
Introduced in:	1936
Caliber:	37mm
Barrel length:	L/45
Effective range:	500 meters
Ammo weight:	0.685 kilos
Unlimbered weight:	440 kilos
Limbered weight:	450 kilos
Traverse:	60° / 60°
Elevation:	-8° / +25°
Rate of fire:	12 – 15 rounds/minute

FLIEGERABWEHR-KOMPANIE (motorisierter Selbstfahrlafette)
Self-Propelled Light Antiaircraft Company

**KStN 192 *)****Self-Propelled Light Antiaircraft Company**

1.12.1939 Hqs Sect: 4 mcl; 1 car (1); 1 car (15).
Signal Set: Hqs Sect: 1 car (15/2).
1 Lt Tele Sect c: 1 car (15/1).
4 Pack Radio Sect b: 1 car (2/2).
3 AA Plt: Hqs Sect: 3 mcl; 2 cars (15/2).
Ammo Sect: 2 halftracks (10).
Gun Sect: 4 halftracks (10/4 with 20mm AA guns); 4 trailers (for guns) ^[1].
Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 truck (3-ton).
Co Trains: 3 mcl; 1 mcl w/sc; 1 car (15); 2 trucks (light); 2 trucks (2-ton); 2 trucks (3-ton).

NOTES:

[1] These trailers (*Sd.Anh. 51* for 2cm Flak 30 or the *Sd.Anh. 52* for 2cm Flak 38) were always issued, even when the unit was self-propelled. They were towed by the *Sd.Kfz. 10/4* during movements, but left behind with the company trains when engaged in combat. The idea was that if the halftrack broke down, the gun, (which could be dismounted intact from its halftrack), could still be towed by another vehicle on this trailer.

The independent light AA companies were raised by the Infantry Inspectorate. Originally, it had been planned to allot one company per division, operating under the antitank battalion. Equipment shortages and the rapid expansion of the German Army made this plan impossible.

After the 1939 Polish Campaign all motorized light AA companies became GHQ Troops. They were reequipped with the 1-ton halftracks (*Sd.Kfz. 10/4*). The 20mm guns were mounted (self-propelled) on these vehicles.

The 20mm anti-aircraft gun was initially thought of as a super heavy machine gun. This was reflected both in its designation and in the symbol used to depict it in the organizational charts. The small caliber of the 2cm Flak indicated that these AA units were primarily conceived as low level AA defense units, intended to

accompany the ground forces into combat and to provide immediate low-level air defense under the direct control of the units being protected.

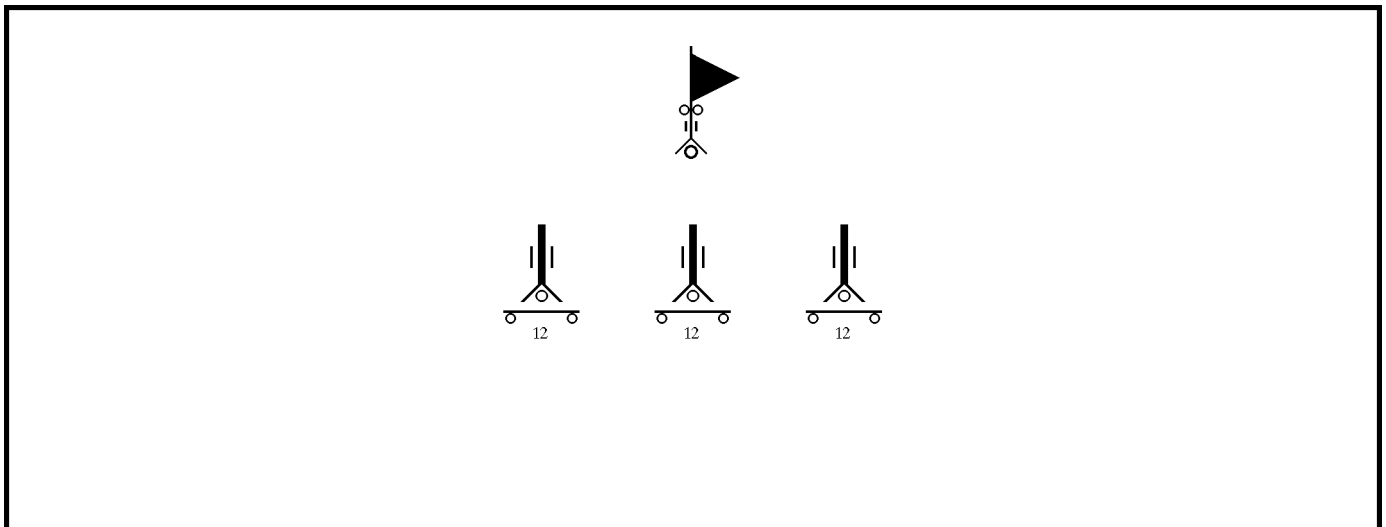
The 20mm guns were also used in the ground combat role, for example as light antitank guns. The high velocity projectiles were well suited for use against soft-skinned or lightly armored vehicles. They were not very effective against tanks, although the high velocity of the shells enabled them to damage tracks and other outside fittings. In many cases, the mere continued multiple and rapid impact of the shells, although not themselves penetrating the fighting compartment, filled the enemy tank with sparks and splinters, either demoralizing or incapacitating the crew, or even causing such damage to the interior that the tank had to be abandoned.

The 20mm guns were also used successfully against small bunkers and other hardened emplacements. They were often attached to advance/reconnaissance elements, and to units which had to storm important tactical objectives. Against aircraft, the 20mm guns fired explosive shells, while ground targets were favored with a combination of explosive tracer and shrapnel shells. Front line units were issued special armor-piercing ammunition.

Company	Assignment		
1./31 Fla.Kp. (mot S)	–	–	Hgr. C
2./31 Fla.Kp. (mot S)	–	–	OKH
3./31 Fla.Kp. (mot S)	–	–	Hgr. C
4./31 Fla.Kp. (mot S)	–	4. Armee	Hgr. A
5./31 Fla.Kp. (mot S)	–	–	OKH
1./46 Fla.Kp. (mot S)	XXXX	–	Hgr. A
2./46 Fla.Kp. (mot S)	VII. Armeekorps	16. Armee	Hgr. A
3./46 Fla.Kp. (mot S)	XXXXI. Armeekorps	Gruppe Kleist	Hgr. A
4./46 Fla.Kp. (mot S)	VI. Armeekorps	12. Armee	Hgr. A
5./46 Fla.Kp. (mot S)	–	4. Armee	Hgr. A
6./46 Fla.Kp. (mot S)	IX. Armeekorps	6. Armee	Hgr. B
1./47 Fla.Kp. (mot S)	–	–	OKH
2./47 Fla.Kp. (mot S)	XIX. Armeekorps	Gruppe Kleist	Hgr. A
3./47 Fla.Kp. (mot S)	XXVI. Armeekorps	18. Armee	Hgr. B
4./47 Fla.Kp. (mot S)	–	–	Hgr. C
5./47 Fla.Kp. (mot S)	–	–	Hgr. C
6./47 Fla.Kp. (mot S)	VI. Armeekorps	12. Armee	Hgr. A
1./48 Fla.Kp. (mot S)	–	–	Hgr. C
2./48 Fla.Kp. (mot S)	IV. Armeekorps	6. Armee	Hgr. B
3./48 Fla.Kp. (mot S)	–	4. Armee	Hgr. A
4./48 Fla.Kp. (mot S)	XXXXI. Armeekorps	Gruppe Kleist	Hgr. A
5./48 Fla.Kp. (mot S)	III. Armeekorps	12. Armee	Hgr. A
6./48 Fla.Kp. (mot S)	XV. Armeekorps	4. Armee	Hgr. A

Company	Assignment		
1./52 Fla.Kp. (mot S)	–	–	Hgr. B
2./52 Fla.Kp. (mot S)	–	–	OKH
3./52 Fla.Kp. (mot S)	IX. Armeekorps	6. Armee	Hgr. B
4./52 Fla.Kp. (mot S)	XXXXI. Armeekorps	Gruppe Kleist	Hgr. A
5./52 Fla.Kp. (mot S)	–	–	Hgr. C
6./52 Fla.Kp. (mot S)	XVI. Armeekorps	6. Armee	Hgr. B
1./55 Fla.Kp. (mot S)	XVIII. Armeekorps	12. Armee	Hgr. A
2./55 Fla.Kp. (mot S)	XV. Armeekorps	4. Armee	Hgr. A
3./55 Fla.Kp. (mot S)	XIX. Armeekorps	Gruppe Kleist	Hgr. A
4./55 Fla.Kp. (mot S)	IV. Armeekorps	6. Armee	Hgr. B
5./55 Fla.Kp. (mot S)	–	–	Hgr. A
6./55 Fla.Kp. (mot S)	XVIII. Armeekorps	12. Armee	Hgr. A
1./59 Fla.Kp. (mot S)	XIV. Armeekorps	Gruppe Kleist	Hgr. A
2./59 Fla.Kp. (mot S)	XIX. Armeekorps	Gruppe Kleist	Hgr. A
3./59 Fla.Kp. (mot S)	II. Armeekorps	4. Armee	Hgr. A
4./59 Fla.Kp. (mot S)	XXXX. Armeekorps	–	Hgr. A
5./59 Fla.Kp. (mot S)	XIII. Armeekorps	16. Armee	Hgr. A
6./59 Fla.Kp. (mot S)	–	–	OKH
1./66 Fla.Kp. (mot S)	XXXX. Armeekorps	–	Hgr. A
2./66 Fla.Kp. (mot S)	XXIII. Armeekorps	16. Armee	Hgr. A
3./66 Fla.Kp. (mot S)	III. Armeekorps	12. Armee	Hgr. A
4./66 Fla.Kp. (mot S)	XIV. Armeekorps	Gruppe Kleist	Hgr. A
5./66 Fla.Kp. (mot S)	IV. Armeekorps	6. Armee	Hgr. B
631 Fla.Kp. (mot S)	–	–	OKH

**FLIEGERABWEHR-BATAILLON (motorisierter Selbstfahrlafette)
Self-Propelled Light Antiaircraft Battalion**

**KStN 123 *)**

1.12.1939

Headquarters, Motorized Light Antiaircraft Battalion

Bn Hqs: 7 mcl; 1 car (light); 3 cars (15).

Signal Det: Hqs Sect: 1 car (2).

6 Pack Radio Sect *b*: 1 car (2).

Bn Maint Det: 1 mcl w/sc; 1 car (light); 1 car (2/40); 3 trucks (3-ton).

Bn Trains: 5 mcl; 2 cars (light); 3 trucks (light); 2 trucks (2-ton); 1 truck (3-ton), 1 ambulance (31).

KStN 191 *)

1.10.1937

Motorized Light Antiaircraft Company

Hqs Sect: 4 mcl; 1 car (1); 1 car (15).

Signal Set: Hqs Sect: 1 car (15/2).

1 Lt Tele Sect *c*: 1 car (15/1).4 Pack Radio Sect *b*: 1 car (2/2).

3 AA Plt: Hqs Sect: 3 mcl; 2 cars (15/2).

Ammo Sect: 2 trucks (81).

Gun Sect: 4 trucks (81); 4 AA guns (20mm – towed).

Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 truck (3-ton).

Co Trains: 3 mcl; 1 mcl w/sc; 1 car (15); 2 trucks (light); 2 trucks (2-ton); 2 trucks (3-ton).

NOTES:

The light AA battalions were also raised by the Infantry Inspectorate. Although the Luftwaffe Flak (German Airforce antiaircraft) battalions were also attached to the Army ground forces at various times, the Luftwaffe battalions were relatively independent, being merely on loan, their orders reading “instructed to cooperate”, as well as being subject to the whims of an Airforce commander.

The Army felt that not enough tactical air defense was available on the battlefield. As there were already light AA companies, there was a precedent for the Army having its own air defense units.

Photographic evidence shows the 20mm guns both towed by all-wheel-drive trucks (Kfz. 81) and halftracks. In some cases, even mounted (self-propelled) on the trucks. As these were field modifications, the company would not be depicted as being self-propelled.

Battalion	Cos.	Assignment		
601 Fla.Btl. (mot)	4	I. Armeekorps	–	Hgr. B
602 Fla.Btl. (mot)	4	XXIII. Armeekorps	16. Armee	Hgr. A
603 Fla.Btl. (mot)	3	–	–	OKH
604 Fla.Btl. (mot)	3	–	Gruppe Kleist	Hgr. A
605 Fla.Btl. (mot)	3	XXVI. Armeekorps	18. Armee	OKH
606 Fla.Btl. (mot)	3	–	16. Armee	Hgr. A

Specifications of the Anti-Aircraft Guns

Designation:	2cm Flak 30	2cm Flak 38 auf Sd.Kfz. 10/4
Caliber:	20mm	20mm
Barrel length:	L/65	L/65
Horizontal range:	4,800 meters	4,800 meters
Vertical Range:	3,700 meters	3,700 meters
Ammo weight:	0.33 kilos	0.33 kilos
Unlimbered weight:	450 kilos	5,365 kilos
Limbered weight:	890 kilos	–
Traverse:	360°	360°
Elevation:	– 10° / + 90°	– 20° / + 90°
Practical Rate of Fire:	120 rpm	220 rpm
Road speed:	–	50 kmh

SCHWERE INFANTERIEGESCHÜTZKOMPANIE (mot S)
Self-Propelled Heavy Infantry Gun



KStN 179
30.03.1940

Self-Propelled Heavy Infantry Gun

Co Hqs: Hqs Sect: 4 mcl; 1 mcl w/sc; 1 car (15).
 3 Pack radio Sect *d*: 1 car (2).
 3 IG Plt: Hqs Sect: 1 mcl; 2 halftracks (10); 1 LMG.
 Pack Radio Sect *d*: 1 car (2).
 Gun Sect: 1 mcl; 2 halftracks (10); 2 trailers (ammo); 2 self-propelled infantry guns (150mm sIG33 on Pz-I chassis).
 Ammo Det: 3 trucks (3-ton).
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Co Trains: 4 mcl; 1 mcl w/sc; 1 car (light); 1 car (15); 2 trucks (light); 1 truck (2-ton); 4 trucks (3-ton).

NOTES:

The success of the Panzer formations was based on firepower and mobility. Prewar exercises had demonstrated that the tanks tended to become separated from the infantry in action. The infantry consequently lost a lot of its punch. It was therefore found necessary to provide additional firepower for the mechanized infantry. Initially, this was provided by towed 75mm and 150mm infantry guns. However, the latter in its towed version, proved both cumbersome and time-consuming to limber and unlimber, particularly when assigned to motorized formations.

The infantry gun was used for close-support (direct fire) in infantry attacks. In addition, it was also used in providing high-angle indirect covering fire for mobile attacks. It had the advantage that it was able to open fire almost instantly, and come into position with comparative ease.

Initially, the solution was the place the entire gun, including field carriage and shield (but without the wheels), on the chassis of the obsolete Pz-I, Ausf. B. The guns and its crew were protected by a large armored box-like structure, open at the

top and rear. The shield was comparatively thin (10mm), and provided protection against small arms fire and artillery shell splinters only. The chassis was heavily overloaded with the 1.75 ton gun, mechanical failures frequent, and the vehicle was virtually road-bound. Nevertheless, it provided an invaluable source of heavy direct and indirect fire for the infantry.

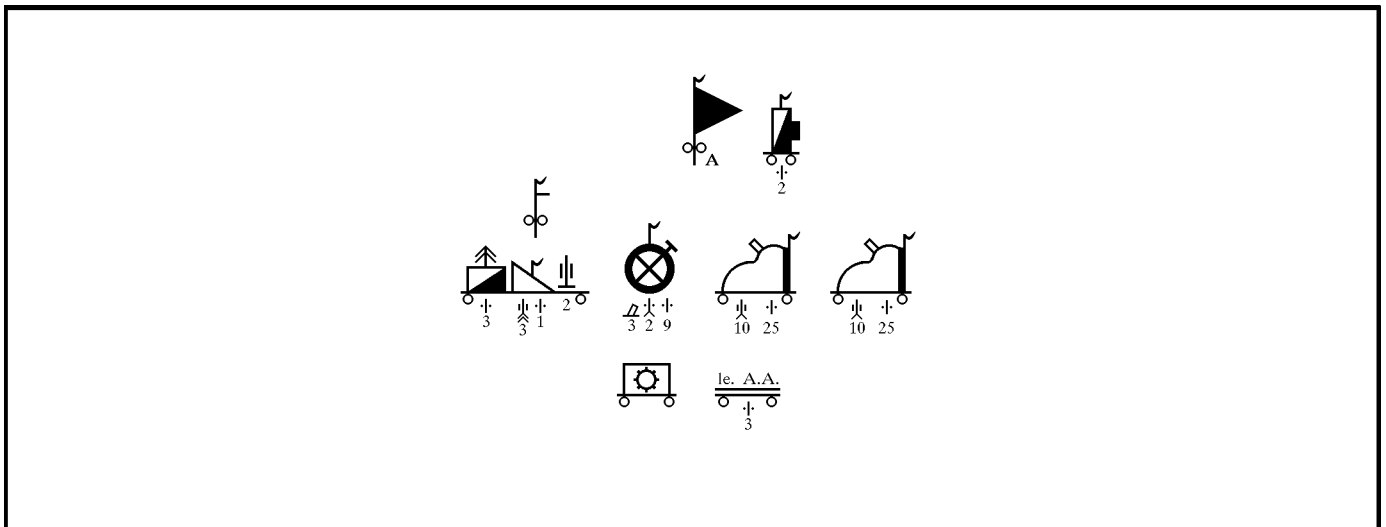
Thirty-eight Pz-I chassis (without turrets) were converted in February 1940.

The six heavy infantry gun companies were raised on 30.06.1940, and were ready by 22.04.1940. From the start, these six companies were permanently assigned to the Panzer divisions, although they were officially counted as GHQ units.

Company	Assignment
701	9. Panzerdivision
702	1. Panzerdivision
703	2. Panzerdivision
704	5. Panzerdivision
705	7. Panzerdivision
706	10. Panzerdivision

<i>Specifications of the Self-Propelled Heavy Infantry Gun</i>	
Designation:	15cm sIG 33 auf Panzerkampfwagen I, Ausf. B also: Geschützwagen I für 15cm sIG 33
Gun made by:	Rheinmetall
Pz-I modified by:	Alkett
Introduced in:	1940
Caliber:	149.1mm (designated for convenience as 150mm)
Barrel length:	L/11.4
Effective range:	4650 meters
Ammo weight:	38 kilos
Vehicle weight:	8500 kilos
Traverse:	11.5° / 11.5°
Elevation:	-4° / +75°
Rate of fire:	2 – 3 rounds/minute
Speed:	35 — 40 kmh

PANZER-AUFKLÄRUNGS-ABTEILUNG
Armored Reconnaissance Battalion

**KStN 1105**

1.10.1937

Headquarters, Motorized Reconnaissance Battalion

Bn Hqs: 3 mcl; 2 mcl w/sc; 1 car (11); 1 car (15); 1 armored command car (247).

Bn Trains: 1 mcl w/sc; 2 cars (medium); 1 car (1); 4 trucks (light); 5 trucks (2-ton); 1 ambulance (31).

KStN 1191

1.10.1938

Motorized Signal Platoon, Motorized Reconnaissance Battalion

Hqs Sect: 1 mcl; 2 mcl w/sc; 1 car (15); 1 truck (2-ton).

1 Lt Tele Sect c: 1 car (15/1).

2 Pack Radio Sect b: 1 car (2/2).

2 Med Armd Radio Sect b: 1 car (15); 1 radio armored car (263).

4 Lt Armd Radio Sect d: 1 radio armored car (261).

1 Lt Armd Radio Sect c: 1 radio armored car (260).

KStN 1162

1.10.1938

Armored Car Company

Co Hqs: 6 mcl; 6 mcl w/sc; 1 car (11); 1 armored command car (247).

Signal Det: 4 armored radio car (223).

Med Armd Radio Sect b: 1 car (15); 1 armored radio car (263).

Heavy Plt: 3 armored car (231); 3 armored car (232).

Light Plt: 6 armored car (221).

Light Plt: 4 armored car (221); 4 armored car (222).

Co Trains: 2 mcl w/sc; 1 car (15); 1 truck (light); 7 trucks (2-ton).

KStN 1111

1.10.1937

Motorcycle Infantry Company

Co Hqs: a3 mcl; 1 mcl w/sc; 1 car (11); 1 car (15).

3 Mcl Plt: Hqs Sect: 2 mcl; 1 car (11); 1 car (18).

3 Mcl Sqd: 3 mcl w/sc; 1 Infantry Squad with 1 LMG.

1 Mortar Sect: 2 mcl w/sc; 1 mortar (50mm).

MG Det: 10 mcl w/sc; 2 HMG.

Co Trains: 2 mcl w/sc; 1 car (15); 1 truck (light); 5 trucks (1.5-ton).

Motorized Heavy Company**KStN 1121**

1.10.1937

Co Hqs: 2 mcl; 2 mcl w/sc; 1 car (15).

Co Trains: 1 mcl; 2 mcl w/sc; 1 car (medium); 5 trucks (2-ton); 1 truck (medium).

KStN 1122

1.10.1937

ATG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 truck (69).

Gun Sect: 4 trucks (69); 3 ATG (37mm – towed); 1 LMG.

KStN 1123

1.10.1937

Lt IG Plt: Hqs Sect: 1 mcl; 2 mcl w/sc; 1 car (12).

1 Lt Tele Sect c: 1 car (15/1).

Gun Sect: 1 mcl w/sc; 3 trucks (69); 2 Lt IG (75mm – towed); 1 trailer (ammo).

KStN 1124

1.10.1937

Engr Plt: Hqs Sect: 2 mcl; 2 mcl w/sc; 3 car (15).

3 Engr Sect: 2 trucks (3-ton); 1 Engineer Section w/ 1 LMG.

KStN 1181

1.10.1937

Motorized Light Reconnaissance Column

Col Hqs: 3 mcl; 4 mcl w/sc; 1 car (15); 3 LMG.

1 Sect: 5 trucks (2-ton).

2 Sect: 4 trucks (medium).

Col Trains: 1 mcl w/sc; 2 trucks (medium).

KStN 1051

1.10.1937

Motorized Motor Maintenance Platoon

Plt: 1 mcl; 1 car (medium); 1 truck (light); 1 van (heavy); 1 bus (medium/22 seats); 1 halftrack (7); 1 trailer (spare parts); 1 trailer (generator).

NOTES:

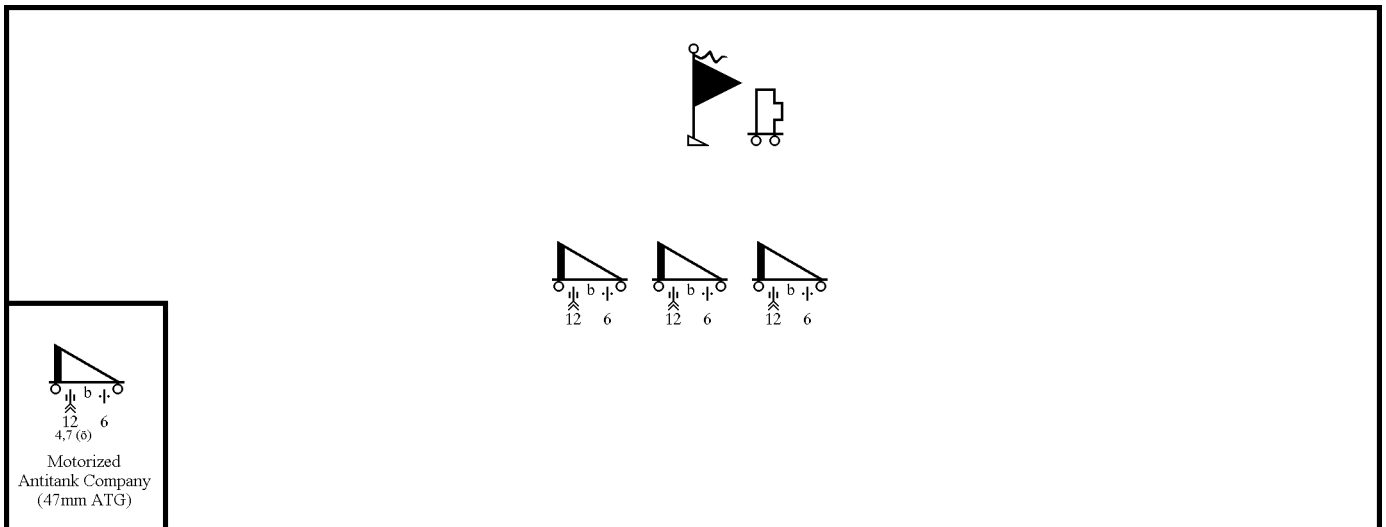
The signal platoon of the Pz.Lehr.Aufkl.Abt. had **three** Medium Armored Radio Sections *b*, which were, however, detached to the 2nd Armored Car Company.

The antitank platoon of the Pz.Lehr.Aufkl.Abt. is depicted as having two 20mm antitank guns. The 1. Pz.Aufkl.Abt. has a normal antitank platoon.

Only the 1. Panzeraufklärungsabteilung had a maintenance platoon.

Battalion	Assignment
Pz.Lehr-Aufkl.Abt.	IX. Armeekorps, 6. Armee, Hgr. B
1. Pz.Aufkl.Abt.	XIX. Armeekorps, Gruppe Kleist, Hgr. A

PANZERJÄGER-ABTEILUNG (motorisiert)
Motorized Antitank Battalion

**KStN 1106 *)**

1.10.1937

Headquarters, Motorized Antitank Battalion

Bn Hqs: 2 mcl; 1 mcl w/sc; 1 cars (12); 1 car (15); 1 car (21).

Bn Trains: 2 cars (light); 2 trucks (light); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton); 1 ambulance (31).

KStN 1192 *)

1.10.1937

Motorized Signal Platoon, Motorized Antitank Battalion

Hqs Sect: 2 mcl; 1 car (15).

4 Pack Radio Sect *b*: 1 car (2).2 Lt Radio Sect *b*: 1 van (17).**KStN 1141 *)**

10.10.1937

Motorized Antitank Company, Type b

Co Hqs: 3 mcl; 1 mcl w/sc; 1 car (15).

3 AT Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (12).

Ammo Sect: 2 halftracks (10).

Gun Sect: 4 halftracks (10); 4 ATG (towed); 2 LMG.

Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 halftrack (10).

Co Trains: 1 car (light); 3 trucks (light); 1 truck (2-ton); 2 trucks (3-ton).

NOTES:

The fundamental requirement of an antitank gun at the beginning of World War II was that it should fire a projectile capable of penetrating the protective armor of a tank before exploding. This demanded the construction of a gun with a high muzzle velocity which resulted in a high striking impact, and furthermore required a projectile sufficiently robust to penetrate armor without breaking up. As a result of this essential high velocity, the flight time of the projectile was reduced and the trajectory – within its effective radius – was almost flat.

German antitank gun (ATG) development was governed from the outset by the assumed strength of armor of enemy tanks to be penetrated. As armor steadily increased, the performance of each new gun naturally had to be correspondingly higher than its predecessor, either by increasing the muzzle velocity, enlarging the caliber, changing the internal barrel construction, redesigning and/or introducing new ammunition, or by a combination of any or all of these factors.

The German front line ATG at the outbreak of the war was the 37mm ATG (3,7cm Pak 35/36). At the time, it was possibly as good as any other ATG in use by the armies of the major powers. It was used with varying success in the 1939 Polish Campaign. Its penetration performance at angles other than normal was considered disappointing.

The German Army, contrary to the very unpleasant surprise it received upon encountering the Russian T-34, KV-I, and KV-II in 1941, was well informed about French tanks. It knew that the 3,7cm Pak could do little more than dent the French heavy tanks' armor. The replacement was the 5cm Pak 38. The first two of the new 50mm guns had been accepted on 01.05.40, but none saw action in the 1940 French Campaign.

The 37mm ATG was well liked by its crews because it was easy to maintain, accurate, and because its weight meant that it could be manhandled into position when necessary by its crew. Two leather bandoliers were issued with each gun to facilitate this work.

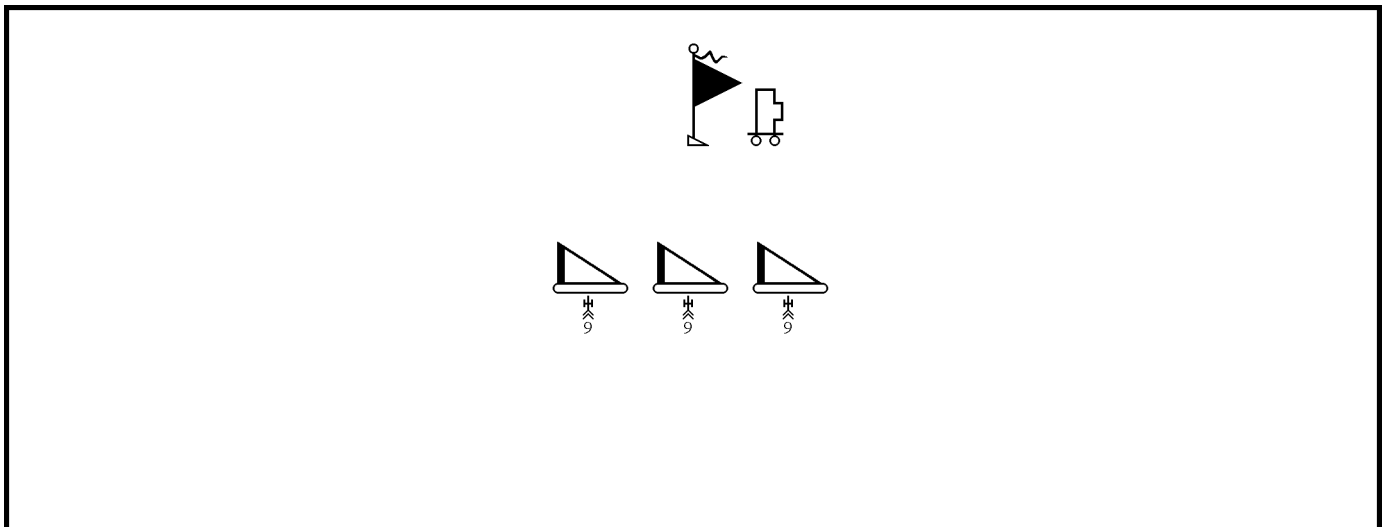
Battalion	Assignment	Notes
543. Pz.Jg.Abt. (mot)	XXVI. Armeekorps, 18. Armee, B	
559. Pz.Jg.Abt. (mot)	XXIII. Armeekorps, 16. Armee, A	[1]
561. Pz.Jg.Abt. (mot)	XIII. Armeekorps, 16. Armee, A	
563. Pz.Jg.Abt. (mot)	IX. Armeekorps, 6. Armee, B	
652. Pz.Jg.Abt. (mot)	XV. Armeekorps, 4. Armee, A	
654. Pz.Jg.Abt. (mot)	XVI. Armeekorps, 6. Armee, B	
611. Pz.Jg.Abt. (mot)	OKH Reserves	

NOTES:

[1] The 1st and 2nd Companies were equipped with Austrian 47mm antitank guns.

<i>Specifications of the towed Anti-Tank Guns</i>		
Designation:	3,7cm Pak	4,7cm Pak(ö)
Introduced in:	1937	1940
Caliber:	37mm	47mm
Barrel length:	L/45	L/35.7
Effective Range:	500 meters	1,000 meters
Ammo weight:	0.368 / 0.685 kilos	1.45 kilos
Unlimbered weight:	328 kilos	277 kilos
Limbered weight:	440 kilos	383 kilos
Traverse:	60° / 60°	60 / 60°
Elevation:	- 8° to + 25°	- 8° to + 25°
Rate of Fire:	15 rpm	15 rpm

PANZERJÄGER-ABTEILUNG (mot S)
Self-Propelled Antitank Battalion

**KStN 1106 *)****Headquarters, Motorized Antitank Battalion**

1.10.1937

Bn Hqs: 2 mcl; 1 mcl w/sc; 1 cars (12); 1 car (15); 1 car (21).

Bn Trains: 2 cars (light); 2 trucks (light); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton); 1 ambulance (31).

KStN 1192 *)**Motorized Signal Platoon, Motorized Antitank Battalion**

1.10.1937

Hqs Sect: 2 mcl; 1 car (15).

4 Pack Radio Sect *b*: 1 car (2).2 Lt Radio Sect *b*: 1 van (17).**KStN 1148 *)****Self-Propelled Antitank Company**

2.04.1940

Co Hqs: 3 mcl; 1 mcl w/sc; 1 car (15); 1 Pz-I (101).

3 AT Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (12).

Ammo Sect: 2 halftracks (10).

Gun Sect: 3 self-propelled antitank guns (47mm on Pz-I chassis).

Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 halftrack (10).

Co Trains: 1 car (light); 3 trucks (light); 1 truck (2-ton); 2 trucks (3-ton).

NOTES:

In 1939/40, with the exception of the Pz-I, which had only two machine guns, German tanks had what would soon be considered as light tank guns with limited antitank capabilities. The Pz-II had a 20mm gun, effective as an antitank weapon only against lightly armored vehicles; the Pz-II had a short 37mm gun (equivalent to the towed 37mm ATG); the Pz-IV had a short 85mm gun, used only to fire high-explosive shells for direct support. The Czechoslovakian Pz-35(t) and Pz-38(t) also had 37mm guns, and were about as useful for antitank work as main gun of the German Pz-III.

Well aware that French heavy tanks could withstand the 37mm ATG's and tank guns fire without undue harm, and with no alternative available from their own production, the Germans were forced to improvise. They had taken over large amounts of materiel when they had occupied Czechoslovakia, amongst them an effective 47mm ATG. As the Pz-I was obsolete, never having been conceived as

a combat tank but merely as a training vehicle, the Czech 47mm ATG was mounted on the Pz-I after merely removing the turret. The gun and crew were protected by a thin armored shield (14.5mm) to the front and sides. The top and rear were open.

The weapon was the first of a long line of German improvisations mounting ATG on chassis of otherwise obsolete tanks. These vehicles had a very good top speed of 40 km/h. The major drawback of the 47mm self-propelled gun was the high and open fighting compartment. Although the gun had a limited traverse, the ATG proved to be very effective at close ranges against armored vehicles. It was quite capable of destroying almost any armored vehicle in 1940. In the months of March through May 1940, 132 Pz-I were so converted.

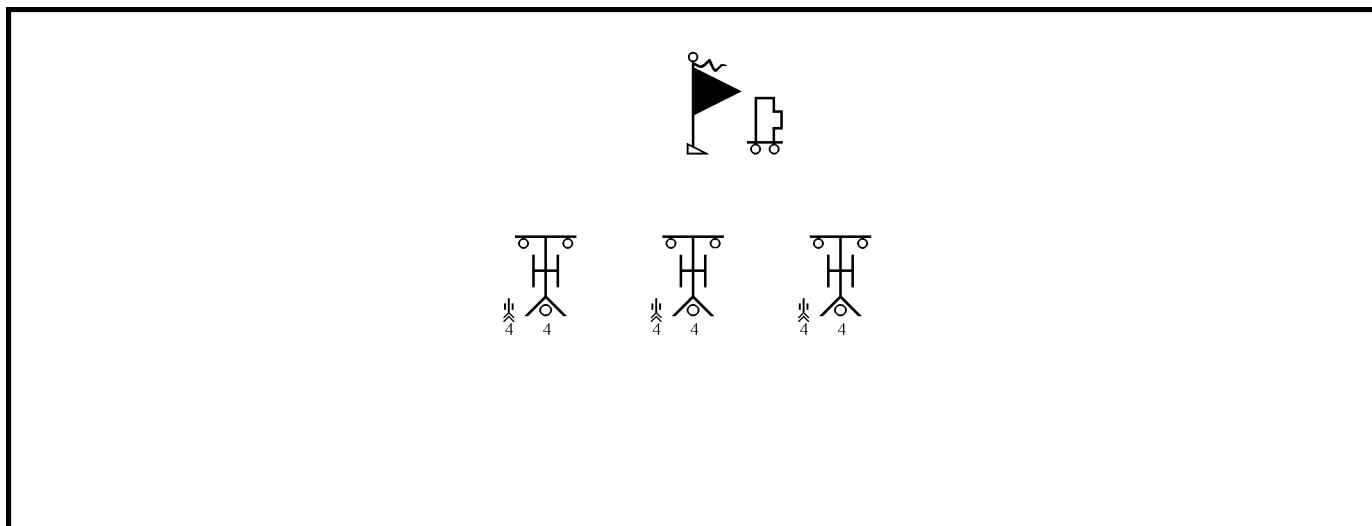
Battalion	Assignment	Notes
521. Pz.Jg.Abt. (mot S)	Gruppe Kleist, Hgr. A	
616. Pz.Jg.Abt. (mot S)	XXIII. Armeekorps, 16. Armee, Hgr. A	
643. Pz.Jg.Abt. (mot S)	OKH Reserves	[1]
670. Pz.Jg.Abt. (mot S)	OKH Reserves	[1]

NOTES:

[1] Not ready until 16.05.1940.

<i>Specifications of the Self-Propelled Anti-Tank Guns</i>	
Designation:	4,7cm Pak(t) auf Pz-I
Introduced in:	1941
Caliber:	47mm
Barrel length:	L/43.4
Effective Range:	1,000 meters
Ammo weight:	0.825/1.65 kilos
Vehicle weight:	6,400 kilos
Traverse:	17.5° / 17.5°
Elevation:	- 8° to + 25°
Rate of Fire:	15 rpm
Road Speed:	40 kmh

SCHWERER PANZERJÄGER-ABTEILUNG (motorisiert)
Motorized Heavy Antitank Battalion

**KStN 1106 *)**

1.10.1937

Headquarters, Motorized Antitank Battalion

Bn Hqs: 2 mcl; 1 mcl w/sc; 1 cars (12); 1 car (15); 1 car (21).

Bn Trains: 2 cars (light); 2 trucks (light); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton); 1 ambulance (31).

KStN 1192 *)

1.10.1937

Motorized Signal Platoon, Motorized Antitank Battalion

Hqs Sect: 2 mcl; 1 car (15).

4 Pack Radio Sect *b*: 1 car (2).2 Lt Radio Sect *b*: 1 van (17).**KStN 1145 *)**

1.02.1940

Motorized Heavy Antitank Company

Co Hqs: 3 mcl; 1 mcl w/sc; 1 car (15).

Hvy AT Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15); 1 halftrack (7).

Ammo Sect: 2 trucks (3-ton).

Gun Sect: 4 halftracks (7); 4 ATG (88mm - towed); 2 LMG.

Lt AT Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (12).

Ammo Sect: 2 halftracks (10).

Gun Sect: 4 halftracks (10); 4 ATG (towed); 2 LMG.

Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 halftrack (10).

Co Trains: 1 car (light); 3 trucks (light); 1 truck (2-ton); 2 trucks (3-ton).

NOTES:

This organization was another result of the efforts by the German Army to remedy the insufficient stoppage power of the standard 37mm ATG. The 88mm anti-aircraft (AA) gun was the standard heavy Luftwaffe Flak weapon, designed from the beginning as a multipurpose weapon, although for use as an antitank weapon its 2.4 meter height was excessive. For ground use, it could be fitted with a shield, so that the crew would be protected from enemy light arms fire. The 88 was mounted on a carriage. This consisted of two trailers exactly the same. The limbered cruciform base with mounted gun were towed behind a halftrack. The gun was supposed to be fired from its cruciform base emplaced on the ground. This took some time. The front and rear arms of the cross-shaped base formed the supports for the gun on the front and rear trailers, whereas the side two arms were folded up. To properly fire the gun, the cruciform base outside arms had to be lowered and locked into place. The entire gun on its base plate had then to be jacked up; the front and rear trailers had to be removed and pulled aside; the gun and platform lowered to the ground; the weapon and base then had to be levelled properly; then, the weapon had to be sighted. All this, before it was ready to fire.

The Germans took this all into account, for the 88mm Flak had three prime characteristics which were critical at this time when an adequate ATG was missing from the Army's inventory. The gun had a high muzzle velocity and trajectory (as did all AA weapons), its range was far in excess of any other weapon available for

antitank use, and, the projectile impact was more than enough to stop any contemporary armored vehicle dead in its tracks.

The troops quickly discovered that it was possible to fire the 88mm gun while it was still mounted on the trailer. Not as accurately, and if deviating more than a few degrees from the direction of travel, doing serious damage to the trailers (and thereby possibly immobilizing the gun), but nevertheless, it could destroy enemy tanks upon short notice without having to unlimber the gun. A big advantage during mobile operations.

The 37mm ATG, quickly unlimbered, were used to destroy light armor, and for slowing down or disabling other tanks at close range, allowing the 88mm Flak to unlimber and finish them off at leisure.

Battalion	Assignment
525. Pz.Jg.Abt. (mot)	II. Armeekorps, 4. Armee, Hgr. A
560. Pz.Jg.Abt. (mot)	XI. Armeekorps, 6. Armee, Hgr. B
605. Pz.Jg.Abt. (mot)	IV. Armeekorps, 6. Armee, Hgr. B

Specifications of the 88mm Anti-Aircraft Guns

Designation:	8,8cm Flugabwehrkanone 36 & 37 [or 18]
Caliber:	88mm
Barrel length:	L/56
Horizontal Range:	14,860 meters
Vertical Range:	9,750 meters
Shell weight:	9.5 / 15 kilos
Unlimbered weight:	5,510 kilos
Limbered weight:	8,200 kilos [7,000 kilos]
Traverse:	360° on cruciform base
Elevation:	- 3° to + 85°
Rate of Fire:	15 to 20 rpm

The figures in [square brackets] indicate data for the Model 18.

SCHWERE PANZERJÄGER-KOMPANIE (mot S)
Self-Propelled Heavy Antitank Company



KStN 1146 *
1.02.1940

Self-Propelled Heavy Antitank Company

Co Hqs: 2 mcl; 1 mcl w/sc; 1 car (15).
 Med Radio Sect: 1 car 815; 1 van (76).
 2 Pack Radio Sect: 1 car (2).
 3 AT Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (12).
 Ammo Sect: 2 halftracks (10).
 Gun Sect: 2 self-propelled antitank guns (88mm on armored 12ton halftracks (Sd.Kfz. 8)).
 Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 halftrack (8).
 Co Trains: 1 car (light); 3 trucks (light); 1 truck (2-ton); 2 trucks (3-ton).

NOTES:

In October 1939 a number of 12-ton halftracks DBs 9, (Jentz writes 12, Spielberger writes 10), were converted by Krupp to carry a modified version of the 88mm Flak 18. The Flak 18 had originally been developed as an anti-aircraft gun, but certain characteristics, made it a very useful dual-purpose weapon. The concept behind this conversion was to create a partially armored vehicle equipped with a gun that could carry out antitank work, be able to destroy fortified positions, and also serve as an anti-aircraft gun.

Six of these vehicles were issued to the 1st Company of the 8th Antitank Battalion in late 1939. Separated from the Panzerjäger-Abteilung 8, the company participated in the 1940 French Campaign as an independent GHQ company attached to the motorized XIX. Armeekorps.

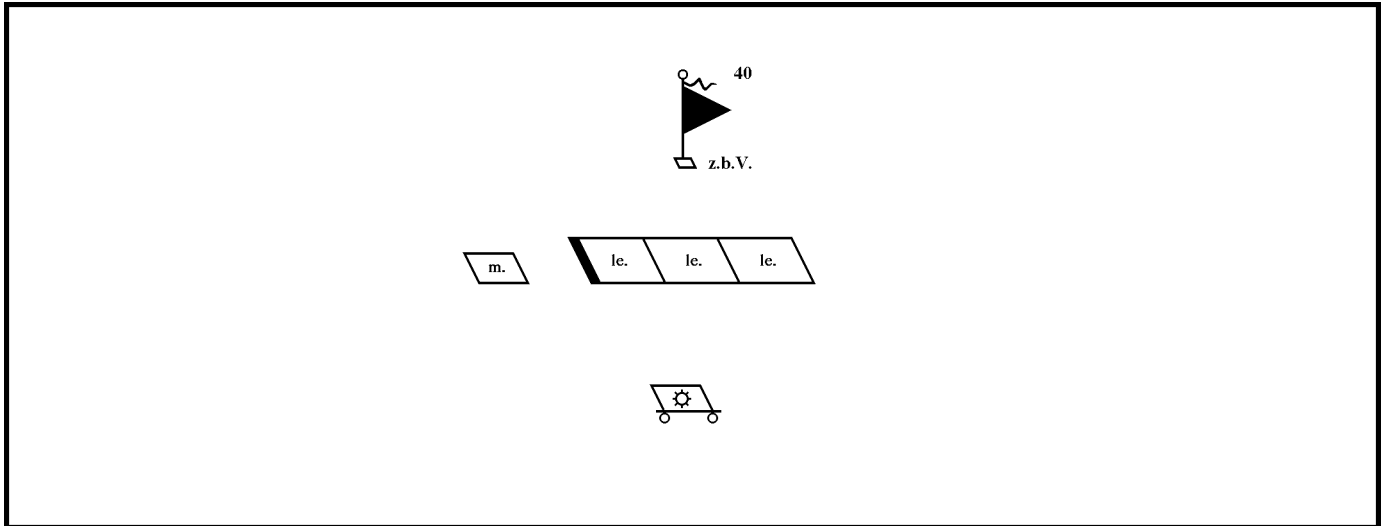
The 12-ton halftrack was given an armored (14.5mm thick) hood. A low armored (14.5mm) structure covered the driver, and was provided with an armored glass slit to the front. The gun was mounted on the reinforced bed of the vehicle, and was provided with a large armored (10mm) shield. Owing to the driver's low cab, the gun could be traversed and fired in all directions without any preparation except loading.

The gun crew, on the other hand, was only protected to the front by the shield, and exposed to the elements and hostile fire from all other sides. However, the excellent "88" enabled the crew to pick off armor at distances where small arms fire, except for the occasional stray shot, was not a serious danger.

Specifications of the Self-Propelled 88mm Anti-Aircraft Guns

Designation:	8,8cm Flak 18 (Sf) auf Zugkraftwagen 12t (Sd.Kfz. 8) (8,8cm Flak 18 (Sf))
Vehicle modified by:	Krupp
Introduced:	1939
Caliber:	88mm
Barrel length:	L/56
Horizontal Range:	14,860 meters
Vertical Range:	9,750 meters
Shell weight:	9.5 / 15 kilos
Vehicle weight:	20,000 (including gun)
Traverse:	360°
Elevation:	- 0° to + 85°
Rate of Fire:	15 to 20 rpm
Vehicle Speed:	50 km/h

PANZERABTEILUNG z.b.V. 40
40th Tank Battalion for Special Use



KStN 1107 (Beh) *) Headquarters, Panzer Battalion

1.09.1939 Bn Hqs: 3 mcl; 3 cars (15); 3 Pz-I (101); 3 Bef-Pz-I (265).
 Bn Admin Det: 1 mcl; 1 car (light); 1 car (15); 1 truck (light).
 Bn Hqs Trains: 1 truck (light).

KStN 1185 *) Motorized Tank Maintenance Platoon

1.10.1937 Plt Hqs: 1 mcl w/sc; 1 car (light).
 Maint Det: 1 mcl w/sc; 1 car (light); 2 trucks (medium); 1 truck (1.5-ton); 1 truck (3-ton); 1 van (79); 4 halftracks (7); 1 halftrack (9);
 1 trailer (generator); 1 trailer (light tank); 4 trailers (heavy tank).
 Armorer Sect: 1 truck (light).
 Signal Maint Sect: 1 truck (1.5-ton); 1 van (42); 1 trailer (generator).
 Plt Trains: 1 mcl w/sc; 1 car (light); 2 trucks (light).

KStN 1171 *) Light Tank Company

1.03.1939 Co Hqs: 3 mcl; 1 car (15/2); 1 Pz-I (101); 2 Pz-II (121); 1 Pz-Bef-I (265).
 3 Tank Plt: 4 Pz-I (101).
 1 Tank Plt: 5 Pz-II (121).
 Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 truck (3-ton); 2 halftracks (10).
 Co Trains: 2 mcl w/sc; 1 car (15); 1 truck (light); 1 truck (medium); 7 trucks (3-ton).

NOTES:

In preparation for the invasion of Scandinavia, the Panzer Abteilung zur besonderer Verwendung 40 was formed on 8.03.40 at the Putlos Army Training Grounds in Schleswig-Holstein. The battalion was formed from elements of the 5. Panzer-Regiment (3. Pz.Div.), 36. Panzer-Regiment (4. Pz.Div.), and 15. Panzer-Regiment (5. Pz.Div.).

The majority of Pz-I were the model A (Ausf A), while Pz-II were mainly the model c (the early Ausf c, not to be confused with the later Ausf C). Only a few of the Pz-II had been reinforced with additional armor. A unique element attached to Pz.Abt. z.b.V. 40 was Zug Putlos, which comprised three *Neubaufahrzeug* experimental tanks.

The 1st and 2nd Companies had also seen action in Denmark before being shipped to Norway. The 3rd Company had been shipped direct losing 7 tanks enroute. The unit saw action in central Norway, in the area of Lake Mjøsa and Randsfjord, supporting infantry. The mountainous terrain of Norway imposed unique problems for the only German tank unit operating in Norway. Difficult road, weather, and terrain conditions — as well as road blocks consisting of wood and stone — slowed the German advance, but were quickly overcome by infantry and engineers working in front and alongside the tanks. The Pz-II's

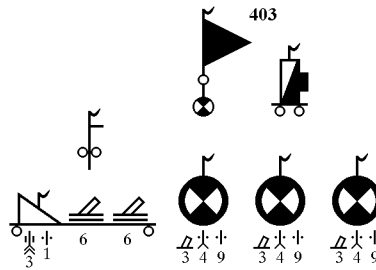
2cm Sprenggranaten (20mm high-explosive round) was found to be particularly useful in clearing defended roadblocks. The Germans encountered the Boys antitank rifle and the French 25mm Hotchkiss antitank gun, both of which were capable of penetrating the armor of the Pz-I, Pz-II, and even the *Neubaufahrzeug*, one of these multi-turreted tanks being destroyed by a 25mm antitank guns.

Late April 1940 two platoons, (with the new light tank platoon organization) were shipped to Norway to replace losses.

10.05.40 Pz.Abt. z.b.V. 40's strength was as follows:

Stab:	2 kl.Pz.Bef.Wg.		
1.Kompanie:	8 Pz-I	7 Pz-II	1 Bef-Pz-I
2.Kompanie:	8 Pz-I	4 Pz-II	
3.Kompanie:	5 Pz-I	5 Pz-II	1 Bef-Pz-I
Zug Putlos:	3 Nbfz.		
Zug Walter:	4 Pz-I	1 Pz-II	
Zug Meier:	4 Pz-I	1 Pz-II	
Total:	29 Pz-I	18 Pz-II	4 Bef-Pz-I

RADFAHRBATAILLON 403 (teil-motorisiert)
403rd Partially Motorized Bicycle Battalion



KStN 307 *)
1.10.1937

Headquarters, Partially Motorized Bicycle Battalion

Bn Hqs: 2 mcl; 1 mcl w/sc; 1 cars (12); 1 car (15); 1 car (21).
 Bn Trains: 2 cars (light); 2 trucks (light); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton); 1 ambulance (31).

KStN 367 *)
1.10.1937

Signal Platoon / Bicycle Battalion

Co Hqs: 3 mcl; 1 car (15).
 1 Lt Tele Sect *c*: 1 car (15).
 1 Med Tele Sect *b*: 1 car (15/1); 1 van (76).
 4 Pack Radio Sect *b*: 1 car (2).

KStN 354 *)
1.10.1938

Bicycle Company / Bicycle Battalion

Co Hqs: 3 mcl; 1 car (1); 9 bicycles.
 3 Bicycle Inf Plt: Hqs Sect: 4 bicycles.
 3 Sqd: 13 Bicycles; 1 infantry squad with 1 LMG.
 1 Mcl MG Plt: Hqs Sect: 1 mcl; 2 mcl w/sc; 1 car (15); 1 car (18).
 1 Lt Tele Sect *c*: 1 car (15/1).
 2 HMG Sect: 7 mcl w/sc; 2 HMG.
 Light Mortar Sect: 1 mcl; 6 mcl w/sc; 3 mortars (50mm).
 Co Trains: 3 mcl; 1 mcl w/sc; 1 car (18); 1 truck (light); 2 trucks (2-ton).

KStN 324 *)
1.10.1937

Motorized Heavy Company / Bicycle Battalion

Co Hqs: 2 mcl; 2 mcl w/sc; 1 car (12).
 Co Trains: 1 mcl; 2 mcl w/sc; 1 car (medium); 5 trucks (2-ton); 1 truck (medium).

KStN 341 *)
1.10.1937

ATG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 2 cars (12).
 Gun Sect: 7 cars (12); 3 ATG (37mm – towed); 3 trailers (ammo); 1 LMG.

KStN 345 *)
1.10.1938

Mortar Plt: Hqs Sect: 1 mcl w/sc; 1 car (12).
 3 Mortar Sect: 3 trucks (2-ton); 2 mortars (81mm).

NOTES:

The 403rd Bicycle Battalion was raised on 01.04.1940. The 10.05.1940 assignment has not been located, so possibly it was still training in *Wehrkreis XVIII*.

HÖHRER ARTILLERIEKOMMANDEUR
Higher Artillery Commander



KStN 24 *)
9.05.1940

Headquarters, Higher Artillery Command (*Harko*)

Harko Hqs: 2 bicycles; 2 mcl; 1 mcl w/sc; 2 cars (light); 1 cars (15); 1 car (heavy); 3 trucks (light).

NOTES:

The two *Harko* in 1940 were the artillery specialist headquarters for attacking army groups. They were wartime creations, commanded by highly competent major generals and were responsible for the use of all artillery in the army group. After 1940, more *Harko* were created, and became artillery specialist headquarters for armies, and army groups no longer were concerned directly with these matters.

In close cooperation with the army group staff the *Harko* directed the use of all artillery in the army group for artillery fire missions to the Armies (Arko) and Corps (Headquarters, Special Artillery Regiments), especially for massing and coordinating artillery in large operations. The *Harko* planned and directed the coordination and distribution of the artillery, determined main and secondary targets, use of super heavy artillery, especially railway guns, moving up of GHQ heavy artillery, ordered fire direction in special cases, and oversaw ammunition resupply. Combating long distance targets and counter-battery operations, especially with super heavy artillery, also fell under their responsibility.

Headquarters	Assignment
301 Harko	Hgr. A
302 Harko	Hgr. B

STAB, ARTILLERIE-KOMMANDEUR (motorisiert)
Headquarters, Motorized Artillery Command



KSStN 25 *)

Headquarters, Motorized Artillery Command (Arko)

1.10.1937

Arko Hqs: 5 mcl; 3 cars (1); 3 cars (15); 1 bus (light/15 seats); 1 van (3-ton).

NOTES:

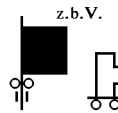
A brigade-echelon artillery headquarters, responsible for coordinating artillery, normally one per corps. Sometimes there were several *Arko* under a corps, especially if a lot of artillery was assigned, or if a multitude of fire missions was foreseen. As such, it was charged with:

- recognizing and planning the main points of effort in conjunction with the superior headquarters to which it was attached.
- coordinating the fire of the GHQ and Divisional artillery.
- determining the artillery observation missions (artillery observation battalions and batteries, as well as aerial reconnaissance and spotting)
- setting down the framework for the communications network of all the artillery it had been given to supervise.

Headquarters	Assignment		
2 Arko (mot)	II. Armeekorps	4. Armee	Hgr. A
3 Arko (mot)	III. Armeekorps	12. Armee	Hgr. A
6 Arko (mot)	VI. Armeekorps	12. Armee	Hgr. A
7 Arko (mot)	VII. Armeekorps	16. Armee	Hgr. A
15 Arko (mot)	–	–	Hgr. C
17 Arko (mot)	XIII. Armeekorps	16. Armee	Hgr. A
18 Arko (mot)	VIII. Armeekorps	18. Armee	Hgr. A
19 Arko (mot)	–	–	Hgr. C
20 Arko (mot)	IV. Armeekorps	6. Armee	Hgr. B
22 Arko (mot)	X. Armeekorps	18. Armee	Hgr. A
24 Arko (mot)	XXIII. Armeekorps	16. Armee	Hgr. A
27 Arko (mot)	XXVII. Armeekorps	6. Armee	Hgr. B
30 Arko (mot)	IV. Armeekorps	6. Armee	Hgr. B
31 Arko (mot)	IV. Armeekorps	6. Armee	Hgr. B
35 Arko (mot)	–	–	Hgr. C
44 Arko (mot)	–	–	Hgr. C
101 Arko (mot)	XIX. Armeekorps	Gruppe Kleist	Hgr. A
102 Arko (mot)	XI. Armeekorps	6. Armee	Hgr. B
103 Arko (mot)	Heerestruppen ?		
104 Arko (mot)	Heerestruppen ?		
105 Arko (mot)	–	–	Hgr. C
106 Arko (mot)	IV. Armeekorps	6. Armee	Hgr. B
107 Arko (mot)	III. Armeekorps	12. Armee	Hgr. A

Headquarters	Assignment		
108 Arko (mot)	XXVII. Armeekorps	6. Armee	Hgr. B
109 Arko (mot)	XVIII. Armeekorps	12. Armee	Hgr. A
110 Arko (mot)	Heerestruppen ?		
111 Arko (mot)	–	16. Armee	Hgr. A
112 Arko (mot)	–	–	Hgr. C
113 Arko (mot)	XXVI. Armeekorps	18. Armee	Hgr. A
114 Arko (mot)	Heerestruppen ?		
121 Arko (mot)	Heerestruppen ?		
122 Arko (mot)	–	–	Hgr. C
123 Arko (mot)	I. Armeekorps	–	Hgr. B
124 Arko (mot)	XXIII. Armeekorps	16. Armee	Hgr. A
125 Arko (mot)	–	–	Hgr. A
126 Arko (mot)	I. Armeekorps	–	Hgr. B
127 Arko (mot)	VII. Armeekorps	16. Armee	Hgr. A
128 Arko (mot)	IX. Armeekorps	6. Armee	Hgr. B
129 Arko (mot)	XXXXI. Armeekorps	Gruppe Kleist	Hgr. A
130 Arko (mot)	XVIII. Armeekorps	12. Armee	Hgr. A
131 Arko (mot)	Heerestruppennot ready until 20.05.40		
132 Arko (mot)	XVIII. Armeekorps	12. Armee	Hgr. A
133 Arko (mot)	Heerestruppen ?		
134 Arko (mot)	Heerestruppen not ready until 20.05.40		
135 Arko (mot)	Heerestruppen not ready until 20.05.40		

**STAB, ARTILLERIE-REGIMENT (motorisiert) zur besondere Verwendung
Headquarters, Motorized Special Artillery Regiment**



KStN 411 *) Headquarters, Motorized Special Artillery Regiment
1.10.1938 Rgt Hqs: 4 mcl; 1 car (1); 3 cars (15); 1 bus.
Rgt Hqs Trains: 1 car (light); 3 trucks (medium).

KStN 561 *) Signal Platoon, Motorized Special Artillery Regiment
1.10.1937 Hqs Sect: 1 mcl; 1 car (15).
1 Hvy Tele Sect *a*: 1 car (2); 1 van (76).
3 Lt Tele Sect *c*: 1 car (15/1).
2 Lt Radio Sect *b*: 1 van (17).
4 Pack Radio Sect *b*: 1 car (2/2).
1 Lt Radio Sect *c*: 1 van (17/1).

Headquarters	Assignment		
41 Art.Rgt.Stab (mot)	–	12. Armee	Hgr. A
49 Art.Rgt.Stab (mot)	–	Gruppe Kleist	Hgr. A
69 Art.Rgt.Stab (mot)	IV. Armeekorps	6. Armee	Hgr. B
70 Art.Rgt.Stab (mot)	–	–	Hgr. C
109 Art.Rgt.Stab (mot)	VI. Armeekorps	12. Armee	Hgr. A
110 Art.Rgt.Stab (mot)	III. Armeekorps	12. Armee	Hgr. A
501 Art.Rgt.Stab (mot)	II. Armeekorps	4. Armee	Hgr. A
511 Art.Rgt.Stab (mot)	VII. Armeekorps	16. Armee	Hgr. A
603 Art.Rgt.Stab (mot)	III. Armeekorps	12. Armee	Hgr. A
606 Art.Rgt.Stab (mot)	XI. Armeekorps	6. Armee	Hgr. B
609 Art.Rgt.Stab (mot)	VIII. Armeekorps	18. Armee	Hgr. A
610 Art.Rgt.Stab (mot)	–	12. Armee	Hgr. A
612 Art.Rgt.Stab (mot)	–	–	Hgr. C
613 Art.Rgt.Stab (mot)	XXIII. Armeekorps	16. Armee	Hgr. A
614 Art.Rgt.Stab (mot)	XXVII. Armeekorps	6. Armee	Hgr. B
617 Art.Rgt.Stab (mot)	IX. Armeekorps	6. Armee	Hgr. B
618 Art.Rgt.Stab (mot)	–	–	Hgr. C
619 Art.Rgt.Stab (mot)	–	12. Armee	Hgr. A
622 Art.Rgt.Stab (mot)	–	–	Hgr. C
623 Art.Rgt.Stab (mot)	XV. AK	4. Armee	Hgr. A [1]
627 Art.Rgt.Stab (mot)	IV. Armeekorps	6. Armee	Hgr. B
677 Art.Rgt.Stab (mot)	–	16. Armee	Hgr. A
697 Art.Rgt.Stab (mot)	XV. AK	4. Armee	Hgr. A [1]
704 Art.Rgt.Stab	XXIII. Armeekorps	16. Armee	Hgr. A
720 Art.Rgt.Stab zbV (E)	–	6. Armee	Hgr. B [2]
766 Art.Rgt.Stab zbV (E)	–	–	Hgr. C [2]
781 Art.Rgt.Stab zbV (E)	–	16. Armee	Hgr. A [2]
782 Art.Rgt.Stab (mot)	–	12. Armee	Hgr. A
783 Art.Rgt.Stab (mot)	XXVII. Armeekorps	6. Armee	Hgr. B
785 Art.Rgt.Stab (mot)	XXVI. Armeekorps	18. Armee	Hgr. A
786 Art.Rgt.Stab (mot)	XIII. Armeekorps	16. Armee	Hgr. A
787 Art.Rgt.Stab (mot)	IV. Armeekorps	6. Armee	Hgr. B

NOTES:

A Headquarters, Motorized Artillery Regiment was an artillery headquarters used to coordinate concentrations of artillery. Normally assigned to control artillery organic and attached to one or more divisions, it performed similar functions and missions as the Arko.

The ideal amount of artillery for an attack depended on three main factors:

1. The width of the sector under attack. One battery was planned for each 100 meters of front to be attacked. An additional battery for each recognized enemy artillery battery.
2. The defensive position of the enemy, as well as the type of attack to be carried out. The type of weapons used depended on whether the attack would be carried out by infantry, mixed, or mechanized forces, as this determined the speed of the attack. In addition, the primary, secondary, and tertiary objectives made a difference in the missions of the artillery. The types of defences the enemy had, as obviously a different type of artillery and ammunition were needed if the enemy had field fortifications, concrete emplacements, or defended built-up areas. Terrain also played an important part, as mountains required a completely different type of artillery fire than, say, flat, open country, where armor could deploy rapidly and advance.
3. The mission of the friendly artillery. The Germans expected to achieve fire superiority only if at least a 2:1 ratio over the enemy artillery could be achieved. Naturally, the amount and type of enemy artillery determined to a great extent whether field howitzers or heavy guns should be used, and if the mission was to destroy concentrations of enemy artillery, to destroy enemy infantry and its positions, whether to interdict enemy rear areas, or to interrupt enemy re-supply and counterattack missions.

[1] Copy of source illegible. One of these headquarters is with the XV. AK (mot), the other is possibly Heerestruppen.

[2] These three Headquarters, Motorized Artillery Regiment for Special Purposes were used to control railroad artillery.

**Order of Battle –
Non-Divisional Heavy Artillery Battalions (motorized)**

Unit	Equipment	Column	Assignment	Notes
II./ 37 Art.Abt. (mot)	sFH	48-ton	VI 12	A
II./ 38 Art.Abt. (mot)	sFH	48-ton	II 4	A
II./ 39 Art.Abt. (mot)	sFH	48-ton	II 4	A
II./ 40 Art.Abt. (mot)	10cm K + 15cm sFH	39-ton	IV 6	B
II./ 41 Art.Abt. (mot)	10cm K	20-ton	XVIII 12	A
II./ 42 Art.Abt. (mot)	sFH	48-ton	VI 12	A
II./ 43 Art.Abt. (mot)	sFH	48-ton	VII 16	A
II./ 44 Art.Abt. (mot)	sFH	48-ton	VIII 4	A
II./ 45 Art.Abt. (mot)	10cm K + 15cm sFH	39-ton	XIX	Kleist A
II./ 46 Art.Abt. (mot)	sFH	48-ton	XI 6	B
II./ 47 Art.Abt. (mot)	10cm K	20-ton	III 12	A
II./ 48 Art.Abt. (mot)	sFH	48-ton	XV 4	A
II./ 49 Art.Abt. (mot)	sFH	48-ton	XVI 6	B
II./ 50 Art.Abt. (mot)	sFH	48-ton	IV 6	B
II./ 51 Art.Abt. (mot)	10cm K + 15cm sFH	39-ton	–	C [2]
II./ 52 Art.Abt. (mot)	10cm K + 15cm sFH	39-ton	OKH Reserve?	
II./ 53 Art.Abt. (mot)	10cm K	20-ton	XI 6	B
II./ 54 Art.Abt. (mot)	10cm K + 15cm sFH	39-ton	XXVI 18	B
II./ 55 Art.Abt. (mot)	sFH	48-ton	IV 6	B
II./ 57 Art.Abt. (mot)	10cm K	20-ton	III 12	A
II./ 58 Art.Abt. (mot)	sFH	48-ton	XI 6	B
II./ 59 Art.Abt. (mot)	sFH	48-ton	XXVII 6	B
II./ 60 Art.Abt. (mot)	10cm K	20-ton	XI 6	B
II./ 61 Art.Abt. (mot)	10cm K + 15cm sFH	24-ton	–	C [1]
II./ 62 Art.Abt. (mot)	10cm K	20-ton	VI 12	A
II./ 63 Art.Abt. (mot)	sFH	48-ton	VII 16	A
II./ 64 Art.Abt. (mot)	10cm K	20-ton	VIII 4	A
II./ 65 Art.Abt. (mot)	10cm K + 15cm sFH	39-ton	–	16 A
II./ 66 Art.Abt. (mot)	sFH	48-ton	XXVII 6	B
II./ 67 Art.Abt. (mot)	sFH	48-ton	IX 6	B
II./ 68 Art.Abt. (mot)	10cm K	20-ton	XV 4	A
II./ 69 Art.Abt. (mot)	10cm K	20-ton	–	Kleist A
II./ 70 Art.Abt. (mot)	10cm K + 15cm sFH	24-ton	–	C [1]
II./ 71 Art.Abt. (mot)	10cm K + 15cm sFH	24-ton	–	C [1]
II./ 72 Art.Abt. (mot)	10cm K	20-ton	VII 16	A
I./ 77 Art.Abt. (mot)	sFH (t)	48-ton	OKH Reserve?	
II./ 77 Art.Abt. (mot)	leFH	32-ton	XV 4	A
I./ 84 Art.Abt. (mot)	24cm K3	48-ton	–	6 B
II./ 84 Art.Abt. (mot)	24cm K (t)	48-ton	–	6 B
II./ 93 Art.Abt. (mot)	sFH	48-ton	IV 6	B
101 Art.Abt. (mot)	sFH	48-ton	XVIII 12	A
102 Art.Abt. (mot)	10cm K	20-ton	OKH Reserve?	
103 Art.Abt. (mot)	10cm K	20-ton	–	16 A
I./106 Art.Abt. (mot)	10cm K + 15cm sFH	24-ton	–	C [1]
I./108 Art.Abt. (mot)	10cm K + 15cm sFH	24-ton	–	C [1]
I./109 Art.Abt. (mot)	10cm K	20-ton	OKH Reserve?	
II./109 Art.Abt. (mot)	21cm M	48-ton	–	12 A
III./109 Art.Abt. (mot)	21cm M	48-ton	–	12 A
IV./109 Art.Abt. (mot)	10cm K + 15cm sFH	39-ton	–	C
III./111 Art.Abt. (mot)	sFH	–	XVIII 12	A [7]
III./112 Art.Abt. (mot)	sFH	–	OKH Reserve?	[7]
II./115 Art.Abt. (mot)	21cm M	48-ton	–	16 A
IV./251 Art.Abt. (mot)	sFH	48-ton	V 4	A
IV./253 Art.Abt. (mot)	10cm K	20-ton	–	12 A
IV./256 Art.Abt. (mot)	sFH	48-ton	X 18	B
IV./258 Art.Abt. (mot)	sFH	48-ton	–	C
IV./260 Art.Abt. (mot)	sFH	–	–	C
IV./263 Art.Abt. (mot)	10cm K	20-ton	–	12 A
IV./267 Art.Abt. (mot)	sFH	48-ton	XXIII 16	A
IV./268 Art.Abt. (mot)	sFH	48-ton	XXIII 16	A
IV./269 Art.Abt. (mot)	10cm K	20-ton	–	12 A
408 Art.Abt. (mot)	10cm K	20-ton	VII 16	A
422 Art.Abt. (mot)	sFH	48-ton	IV 6	B
427 Art.Abt. (mot)	10cm K	20-ton	XXVII 6	B
430 Art.Abt. (mot)	10cm K	10-ton	–	C [1]
436 Art.Abt. (mot)	10cm K	20-ton	II 4	A
445 Art.Abt. (mot)	10cm K	20-ton	IX 6	B
446 Art.Abt. (mot)	sFH	24-ton	–	C [1]
506 Art.Abt. (mot)	sFH	48-ton	III 12	A
511 Art.Abt. (mot)	15cm K	32-ton	–	16 A
526 Art.Abt. (mot)	sFH	48-ton	III 12	A

Unit	Equipment	Column	Assignment	Notes
536 Art.Abt. (mot)	sFH	48-ton	XXVII 6	B
601 Art.Abt. (mot)	10cm K + 15cm sFH	39-ton	XVIII 12	A
602 Art.Abt. (mot)	10cm K + 15cm sFH	39-ton	IV 6	B
604 Art.Abt. (mot)	21cm lg M + 15cm K	48-ton	VIII 4	A
605 Art.Abt. (mot)	sFH	48-ton	XXXXI	Kleist A
607 Art.Abt. (mot)	21cm lg M + 15cm K	48-ton	V 4	A
611 Art.Abt. (mot)	10cm K	20-ton	IV 6	B
615 Art.Abt. (mot)	21cm M	48-ton	–	16 A
616 Art.Abt. (mot)	21cm lg M	48-ton	XIX	Kleist A
620 Art.Abt. (mot)	15cm K	32-ton	III 12	A
621 Art.Abt. (mot)	10cm K + 15cm sFH	39-ton	III 12	A
624 Art.Abt. (mot)	21cm lg M + 305cm H (t)	2x 34-ton	XXVII 6	B
626 Art.Abt. (mot)	10cm K + 15cm sFH	24-ton	–	C [1]
628 Art.Abt. (mot)	10cm K + 15cm sFH	39-ton	XIII 16	A
629 Art.Abt. (mot)	10cm K + 15cm sFH	39-ton	XXVI 6	B
630 Art.Abt. (mot)	10cm K + 15cm sFH	39-ton	III 12	A
631 Art.Abt. (mot)	10cm K	20-ton	IV 6	B
633 Art.Abt. (mot)	10cm K	10-ton	–	C [2]
634 Art.Abt. (mot)	10cm K	20-ton	IV 6	B
635 Art.Abt. (mot)	21cm M	–	OKH Reserve?	[1]
636 Art.Abt. (mot)	21cm M	–	OKH Reserve?	[1]
637 Art.Abt. (mot)	21cm M	–	OKH Reserve?	[1]
641 Art.Abt. (mot)	21cm lg M + 305cm H (t)	2x 34-ton	XXVII 6	B
643 Art.Abt. (mot)	10cm K + 15cm sFH	39-ton	XIII 16	A
644 Art.Abt. (mot)	sFH	24-ton	–	C [1]
645 Art.Abt. (mot)	sFH	48-ton	XXXXI	Kleist A
646 Art.Abt. (mot)	sFH	48-ton	–	C
647 Art.Abt. (mot)	sFH	24-ton	–	C [1]
648 Art.Abt. (mot)	10cm K + 15cm sFH	24-ton	–	C [1]
649 Art.Abt. (mot)	sFH	24-ton	–	C [1]
II./677 Art.Abt. (mot)	leFH	32-ton	XXVI 18	B
III./677 Art.Abt. (mot)	leFH	32-ton	Dänemark	BdE
I./697 Art.Abt. (mot)	leFH	32-ton	X 18	B
III./697 Art.Abt. (mot)	leFH	32-ton	XIII 16	A
698 Art.Btr. (mot)	15cm K	16-ton	XXVI 18	B
709 Art.Abt. (mot)	10cm K	10-ton	–	C [1]
711 Art.Abt. (mot)	10cm K	10-ton	–	C [1]
714 Art.Abt. (mot)	10cm K	10-ton	–	C [1]
716 Art.Abt. (mot)	10cm K	10-ton	–	C [1]
1./729 Art.Btr. (mot)	10cm K (t)	–	Dänemark	BdE
2./729 Art.Btr. (mot)	10cm K (t)	–	Dänemark	BdE
3./729 Art.Btr. (mot)	10cm K (t)	–	Dänemark	BdE
1./730 Art.Btr. (mot)	10cm K (t)	–	XXI	–
2./730 Art.Btr. (mot)	10cm K (t)	–	XXI	–
3./730 Art.Btr. (mot)	10cm K (t)	–	XXI	–
731 Art.Abt. (mot)	15cm K	32-ton	IV 6	B
732 Art.Abt. (mot)	21cm M	48-ton	OKH Reserve?	
733 Art.Abt. (mot)	21cm M	48-ton	IV 6	B
735 Art.Abt. (mot)	21cm M	48-ton	XXVI 18	B
736 Art.Abt. (mot)	21cm M	48-ton	XXVII 6	B
737 Art.Abt. (mot)	sFH (t)	48-ton	OKH Reserve?	
740 Art.Abt. (mot)	15cm K	32-ton	–	1 C
767 Art.Abt. (mot)	21cm K	–	OKH Reserve?	[7]
768 Art.Abt. (mot)	21cm K	–	–	BdE [3]
777 Art.Abt. (mot)	21cm M	–	OKH Reserve?	
779 Art.Btr. (mot)	30.5cm M (t)	48-ton	I	– B
800 Art.Abt. (mot)	headquarters (mot)	–	I	– B [4]
810 Art.Btr. (mot)	35.5cm M1	20-ton	I	– B [4]
I./814 Art.Abt. (mot)	24cm H (t)	–	–	B
II./814 Art.Abt. (mot)	24cm H (t)	–	–	BdE [5]
815 Art.Abt. (mot)	30.5cm (t)	48-ton	XXVII 6	B
816 Art.Abt. (mot)	21cm M	48-ton	–	BdE [6]
817 Art.Abt. (mot)	21cm M	48-ton	–	BdE [6]
820 Art.Btr. (mot)	42cm M "Gamma"	–	–	6 B [4]
830 Art.Btr. (mot)	42cm M (t)	–	I	– B [4]

[1] Reduced mobility, only 1 towing detachment.

[2] Reduced mobility, only 2 towing detachments

[3] The 1st Battery not ready until 30.05.1940, 2nd Battery not ready until 20.06.40, and the 3rd Battery not ready until 30.06.40.

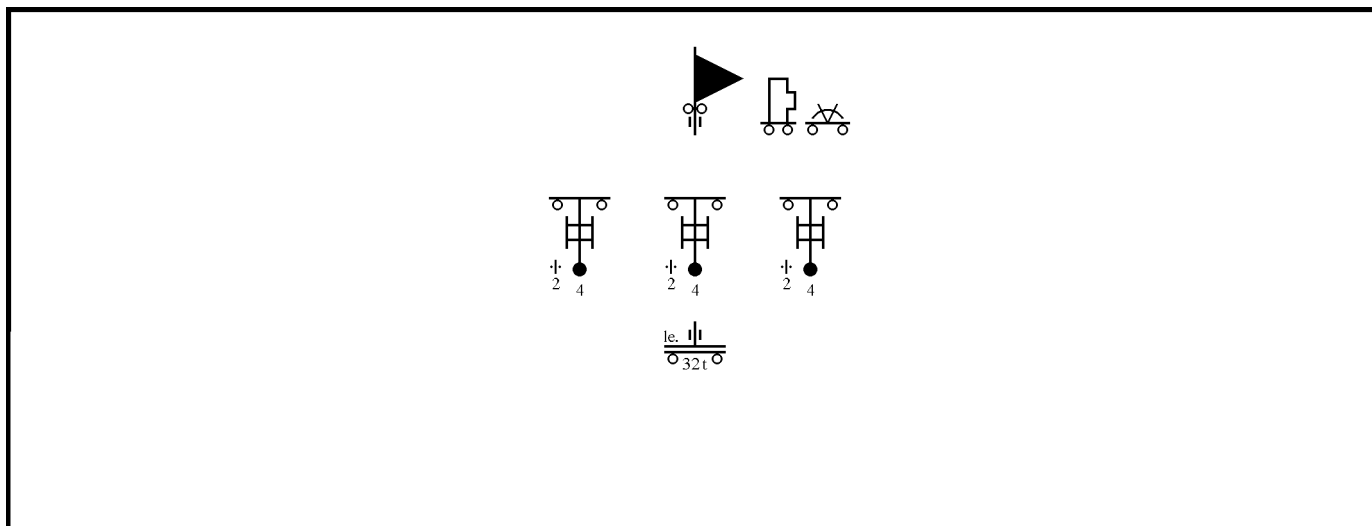
[4] The headquarters, 800. Art.-Abt. with 810., 820., and 830. Art.-Batterie (mot).

[5] Not ready until 20.05.1940.

[6] Not ready until 31.05.1940.

[7] Only two batteries.

LEICHTE ARTILLERIE-ABTEILUNG (motorisiert)
Motorized Light Artillery Battalion

**KStN 413**

1.10.1937

Headquarters, Motorized Light Artillery Battalion

Bn Hqs: 3 mcl; 2 mcl w/sc; 1 car (1); 1 car (12); 1 car (15).
 Bn Maint Det: 1 mcl w/sc; 1 car (light); 1 truck (light); 2 trucks (1.5-ton).
 Bn Trains: 3 mcl; 4 trucks (light).

KStN 556 *)

1.10.1937

Motorized Signal Platoon, Motorized Light Artillery Battalion

Plt Hqs: 3 mcl; 1 mcl w/sc; 1 car (light); 1 car (15); 1 car (15/2).
 1 Med Tele Sect *b*: 1 car (15/1); 1 van (76).
 1 Hvy Tele Sect *b*: 1 car (2/1); 1 van (77).
 4 Lt Tele Sect *c*: 1 car /15/1).
 2 Pack Radio Sect *f*: 1 car (2/2).
 2 Pack Radio Sect *f*: ride with other sections of the platoon.

KStN 529 *)

15.02.1932

Motorized Calibration Detachment

Det: 2 mcl; 1 car (3); 1 truck (1.5-ton).

KStN 515 *)

27.03.1940

Motorized Light Artillery Column (32-ton)

Hqs: 1 mcl w/sc; 1 car (light).
 2 Ammo Groups: 11 trucks (light).
 Col Trains: 1 mcl; 1 truck (light).

KStN 434

1.10.1938

Motorized Light Field Howitzer Battery

Bty Hqs : 3 mcl; 1 car (11); 1 car (12).
 Signal Det: Hqs Sect: 1 car (2/2).
 1 Hvy Tele Sect *a*: 1 car (2/2); 1 van (23).
 1 Med Tele Sect *b*: 1 car (15/1); 1 van (76).
 1 Pack Radio Sect *f*: 1 car (2/2).
 2 Pack Radio Sect *f*: ride with other sections of the platoon.
 Firing Plt: 2 mcl; 1 car (1); 1 AA car (4 w/dual MG); 2 cars (12); 4 halftracks (6/1); 4 light Field Howitzers (105mm – towed).
 1 Ammo Det: 2 mcl; 1 mcl w/sc; 4 trucks (2-ton).
 1 Ammo Det: 1 mcl; 4 trucks (2-ton); 4 trailers (ammo).
 Bty Trains: 1 mcl; 1 mcl w/sc; 3 trucks (light); 1 truck (medium); 1 halftrack (6/1).

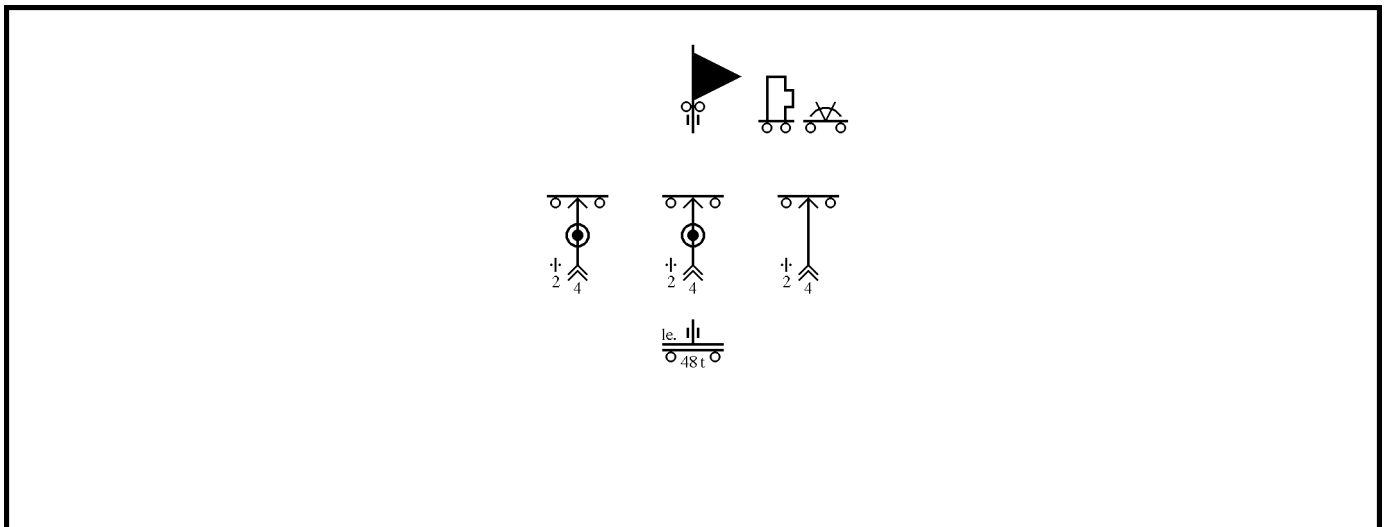
NOTES:

The German Army considered that non-divisional artillery should be heavy, not light. These 105mm light field howitzer battalions were the few exceptions. The leichte Feldhaubitze (le FH) was the standard artillery weapon of all German mechanized and infantry divisions, and was available in large quantities.

Specifications of the 105mm Light Field Howitzer

Designation:	10,5cm leichte Feldhaubitze 18
Manufactured by:	Krupp, etc.
Introduced in:	1935
Trailer loads:	one
Caliber:	105 mm
Barrel length:	L/28
Range:	10,675 meters
Ammo weight:	14.81 kilos
Unlimbered weight:	2,040 kilos
Limbered weight:	3,490 kilos
Traverse:	56°
Elevation:	- 5° to +42°
Rate of Fire:	4 to 6 rpm

SCHWERE ARTILLERIE-ABTEILUNG (motorisiert)
Motorized Heavy Artillery Battalion



KStN 406 *) Headquarters, Motorized Heavy Artillery Battalion

1.10.1937 Bn Hqs: 3 mcl; 2 mcl w/sc; 1 car (1); 2 cars (15).
 Bn Maint Det: 1 mcl w/sc; 1 car (light); 1 truck (light); 2 trucks (1.5-ton).
 Bn Trains: 2 mcl; 1 mcl w/sc; 6 trucks (light).

KStN 555 *) Motorized Signal Platoon, Motorized Heavy Artillery Battalion

1.10.1937 Plt Hqs: 3 mcl; 1 mcl w/sc; 1 car (light); 1 car (15); 1 car (15/2).
 1 Hvy Tele Sect *a*: 1 car (2/2); 1 van (23).
 1 Med Tele Sect *b*: 1 car (15/1); 1 van (76).
 2 Lt Tele Sect *c*: 1 car (15/1).
 2 Pack Radio Sect *f*: 1 car (2/2).
 1 Lt Radio Sect *c*: 1 van (17/1).

KStN 529 *) Motorized Calibration Detachment

15.02.1932 Det: 2 mcl; 1 car (3); 1 truck (1.5-ton).

KStN 518 *) Motorized Light Artillery Column (48-ton)

27.03.1940 Hqs: 1 mcl w/sc; 1 car (light).
 3 Ammo Groups: 11 trucks (light).
 Col Trains: 1 mcl; 1 truck (light).

KStN 462 *) Motorized Heavy Field Howitzer Battery

1.10.1938 Bty Hqs: 3 mcl; 1 car (11); 1 car (12).
 Signal Det: Hqs Sect: 1 car (2/2).
 1 Hvy Tele Sect *a*: 1 car (2/2); 1 van (23).
 1 Med Tele Sect *b*: 1 car (15/1); 1 van (76).
 1 Pack Radio Sect *f*: 1 car (2/2).
 2 Pack Radio Sect *f*: ride with other sections of the platoon.
 Firing Plt: 2 mcl; 1 car (1); 1 AA car (4 w/dual MG); 2 cars (12); 4 halftracks (7); 4 heavy Field Howitzers (150mm – towed).
 1 Ammo Det: 2 mcl; 1 mcl w/sc; 4 trucks (2-ton).
 1 Ammo Det: 1 mcl; 4 trucks (2-ton); 4 trailers (ammo).
 Bty Trains: 1 mcl; 1 mcl w/sc; 3 trucks (light); 1 truck (medium); 1 halftrack (7).

KStN 454 *) Motorized 10cm Gun Battery

1.10.1938 Bty Hqs: 3 mcl; 1 car (11); 1 car (12).
 Signal Det: Hqs Sect: 1 car (2/2).
 1 Hvy Tele Sect *a*: 1 car (2/2); 1 van (23).
 1 Med Tele Sect *b*: 1 car (15/1); 1 van (76).
 1 Pack Radio Sect *f*: 1 car (2/2).
 2 Pack Radio Sect *f*: ride with other sections of the platoon.
 Firing Plt: 2 mcl; 1 car (1); 1 AA car (4 w/dual MG); 2 cars (12); 8 halftracks (7); four 105mm Gun in two loads, each – towed (barrel & cradle).
 1 Ammo Det: 2 mcl; 1 mcl w/sc; 4 trucks (2-ton).
 1 Ammo Det: 1 mcl; 4 trucks (2-ton); 4 trailers (ammo).
 Bty Trains: 1 mcl; 1 mcl w/sc; 3 trucks (light); 1 truck (medium); 1 halftrack (7).

NOTES:

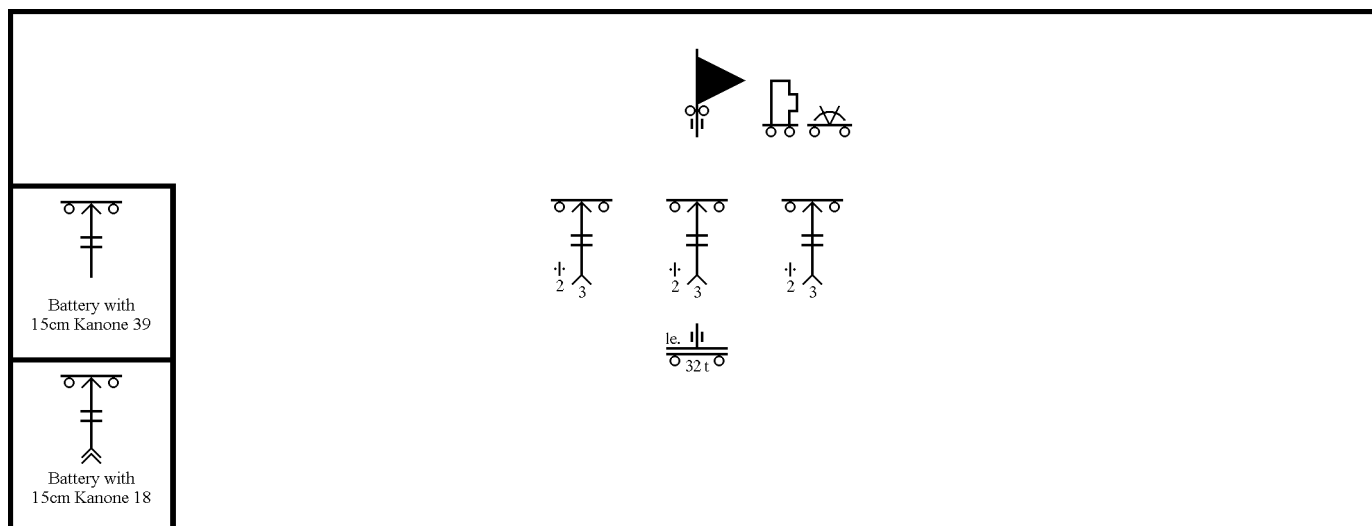
Battalions were organized either with three batteries of 10cm K, two batteries of sFH and one of 10cm K, or with all three batteries with sFH.

The heavy 150mm field howitzer was basically an enlarged version of the 105mm light field howitzer. The schwere Feldhaubitze (sFH) 18 fired high explosive (HE) shells, smoke, and concrete-piercing rounds. The sFH was towed by its halftrack with the barrel retracted back over the trails and limber, thereby relieving the limber's wheels to some extent. To bring back the barrel into this position, a hand operated winch was mounted on the trails. To extend the barrel into firing position, all members of the gun crew assisted the wincher to pull the barrel forward.

The 105mm Gun was designed to be a medium-range counter-battery weapon. It was also frequently assigned the mission of enemy rear area interdiction, where fire was directed mainly on supply routes and dumps, as well as suspected concentrations of reserves. The 10cm Kanone 18 (10cm Kan) was transported in two loads until early 1941.

<i>Specifications of the 150mm Heavy Field Howitzers and the 105mm Guns</i>				
Designation:	sFH 18	sFH 37(t)	10cm K 18	10cm K(t)
Manufactured by:	Krupp & Rheinmetall	Skoda	Krupp & Rheinmetall	Skoda
Introduced in:	1933/34	1939	1933/34	1939
Trailer loads:	one	one	two	one
Caliber:	149.1 mm	150 mm	105 mm	105 mm
Barrel length:	L/29.5	L/24	L/52	L/42
Range:	13,325 meters	15,750 meters	19,075 meters	18,300 meters
Ammo weight:	43.5 kilos	42 kilos	15.1 kilos	18 kilos
Unlimbered weight:	5,512 kilos	5,230 kilos	5,542 kilos	4,200 kilos
Limbered weight:	6,304 kilos	–	6,434 kilos	–
Traverse:	60° / 60°	–	60° / 60°	–
Elevation:	0° to +45°	–	0° to +45°	–
Rate of Fire:	~4 rpm	~4 rpm	~6 rpm	~5 rpm

15cmKANONEN-ABTEILUNG (motorisiert)
Motorized 150mm Gun Battalion

**KStN 406 *)**

1.10.1937

Headquarters, Motorized Heavy Artillery Battalion

Bn Hqs: 3 mcl; 2 mcl w/sc; 1 car (1); 2 cars (15).
 Bn Maint Det: 1 mcl w/sc; 1 car (light); 1 truck (light); 2 trucks (1.5-ton).
 Bn Trains: 2 mcl; 1 mcl w/sc; 6 trucks (light).

KStN 555 *)

1.10.1937

Motorized Signal Platoon, Motorized Heavy Artillery Battalion

Plt Hqs: 3 mcl; 1 mcl w/sc; 1 car (light); 1 car (15); 1 car (15/2).
 1 Hvy Tele Sect *a*: 1 car (2/2); 1 van (23).
 1 Med Tele Sect *b*: 1 car (15/1); 1 van (76).
 2 Lt Tele Sect *c*: 1 car (15/1).
 2 Pack Radio Sect *f*: 1 car (2/2).
 1 Lt Radio Sect *c*: 1 van (17/1).

KStN 529 *)

15.02.1932

Motorized Calibration Detachment

Det: 2 mcl; 1 car (3); 1 truck (1.5-ton).

KStN 515 *)

27.03.1940

Motorized Light Artillery Column (32-ton)

Hqs: 1 mcl w/sc; 1 car (light).
 2 Ammo Groups: 11 trucks (light).
 Col Trains: 1 mcl; 1 truck (light).

KStN 470 *)

1.10.1938

Motorized Heavy 150mm Gun Battery

Bty Hqs: 3 mcl; 1 car (11); 1 car (12).
 Signal Det: Hqs Sect: 1 car (2/2).
 1 Hvy Tele Sect *a*: 1 car (2/2); 1 van (23).
 1 Med Tele Sect *b*: 1 car (15/1); 1 van (76).
 1 Pack Radio Sect *f*: 1 car (2/2).
 2 Pack Radio Sect *f*: ride with other sections of the platoon.
 Firing Plt: Hqs Sect: 2 mcl; 1 car (1); 1 AA car (4 w/dual MG); 2 cars (12);
 Gun Sect: 6 halftracks (8); three 150mm Guns in two loads – towed (barrel & cradle).
 Support Sect: 5 trucks (4.5-ton).
 1 Ammo Det: 2 mcl; 1 mcl w/sc; 4 trucks (2-ton).
 1 Ammo Det: 1 mcl; 4 trucks (2-ton); 4 trailers (ammo).
 Bty Trains: 1 mcl; 1 mcl w/sc; 3 trucks (light); 1 truck (medium); 1 halftrack (8).

NOTES:

As with all guns of heavy caliber, batteries equipped with 150mm guns were primarily conceived as having an interdiction and counter-battery mission.

Although the 15cm Kanone 18 had been introduced in 1938, there were still only three of these new 150mm guns available on 10.05.40. They were all with the independent 698. Artillerie-Batterie (motorisiert).

The 731. Artillerie-Abteilung's batteries only had two guns each.

The 15cm K39 had originally been produced for Turkey, but production was transferred to the German Army in 1939. The 731. and 740. Artillerie-Abteilung each had one 15cm K39 and two of 15cm K18 batteries. These two battalions did not have calibration detachments.

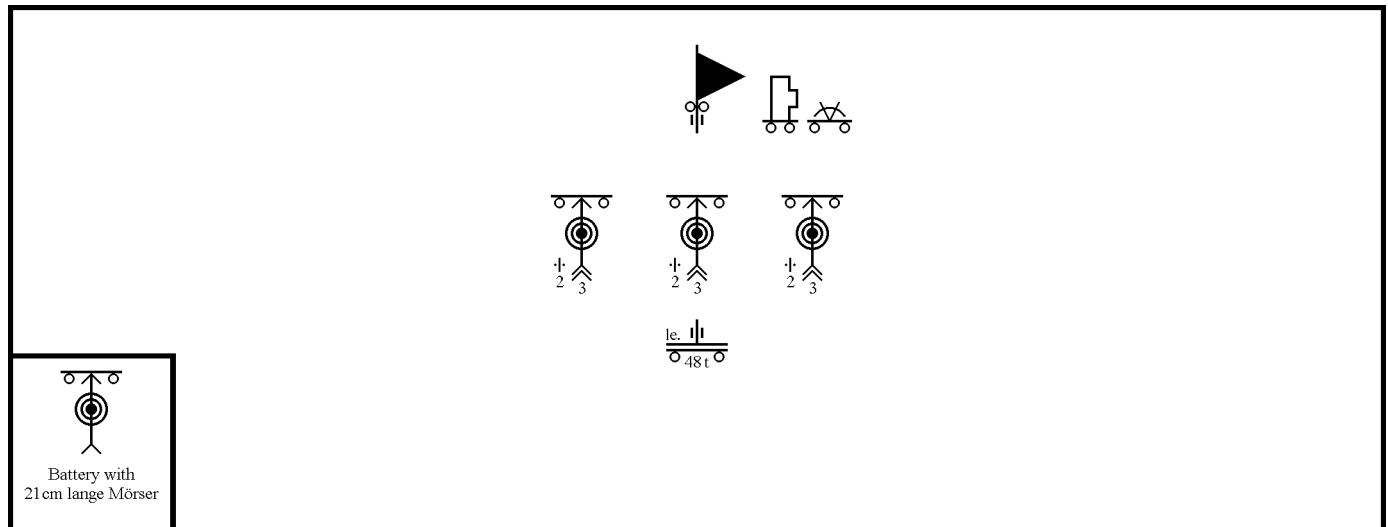
The remaining units had the old 15cm K16 from World War I at this time.

Specifications of the heavy 150mm Guns

	15cm Kanone 16	15cm Kanone 18	15cm Kanone 39
Designation:	15cm Kanone 16	15cm Kanone 18	15cm Kanone 39
Manufactured by:	Krupp	Rheinmetall	Krupp
Introduced in:	1916	1938	1939
Trailer loads:	two	two	two
Caliber:	149.3 mm	149.1 mm	149.1 mm
Barrel length:	L/43	L/55	L/55
Range:	22,000 meters	24,825 meters	25,420 meters
Ammo weight:	51.4 kilos	43 kilos	45 kilos ⁽¹⁾
Unlimbered weight:	10,870 kilos	12,460 kilos	12,186 kilos
Limbered weight:	17,372 kilos ⁽²⁾	18,700 kilos ⁽²⁾	18,282 kilos ⁽³⁾
Traverse:	7.4° / 7.4°	11° / 11° ⁽³⁾	60° / 60° ⁽⁴⁾
Elevation:	-3° to +42°	-2° to +43°	-4° to 45°
Rate of Fire:	3 rounds/minute	2 rounds/minute	2 rounds/minute

- 1) Could also use K18 ammunition – maximum range correspondingly reduced to 24,825 meters.
- 2) Including two trailers (one each for the barrel & cradle)
- 3) Including three trailers (one each for the base plate, barrel, cradle)
- 4) When mounted on the base plate, traverse was 360°

21cm MÖRSER-ABTEILUNG (motorisiert) Motorized 210mm Howitzer Battalion

**KStN 406 ***

1.10.1937

Headquarters, Motorized Heavy Artillery Battalion

Bn Hqs: 3 mcl; 2 mcl w/sc; 1 car (1); 2 cars (15).
 Bn Maint Det: 1 mcl w/sc; 1 car (light); 1 truck (light); 2 trucks (1.5-ton).
 Bn Trains: 2 mcl; 1 mcl w/sc; 6 trucks (light).

KStN 555 *

1.10.1937

Motorized Signal Platoon, Motorized Heavy Artillery Battalion

Plt Hqs: 3 mcl; 1 mcl w/sc; 1 car (light); 1 car (15); 1 car (15/2).
 1 Hvy Tele Sect *a*: 1 car (2/2); 1 van (23).
 1 Med Tele Sect *b*: 1 car (15/1); 1 van (76).
 2 Lt Tele Sect *c*: 1 car (15/1).
 2 Pack Radio Sect *f*: 1 car (2/2).
 1 Lt Radio Sect *c*: 1 van (17/1).

KStN 529 *

15.02.1932

Motorized Calibration Detachment

Det: 2 mcl; 1 car (3); 1 truck (1.5-ton).

KStN 518 *

27.03.1940

Motorized Light Artillery Column (48-ton)

Hqs: 1 mcl w/sc; 1 car (light).
 3 Ammo Groups: 11 trucks (light).
 Col Trains: 1 mcl; 1 truck (light).

KStN 48 *

1.10.1938

Motorized 210mm Howitzer Battery (21cm Mörser 18)

Bty Hqs: 3 mcl; 1 car (11); 1 car (12).
 Signal Det: Hqs Sect: 1 car (2/2).
 1 Hvy Tele Sect *a*: 1 car (2/2); 1 van (23).
 1 Med Tele Sect *b*: 1 car (15/1); 1 van (76).
 1 Pack Radio Sect *f*: 1 car (2/2).
 2 Pack Radio Sect *f*: ride with other sections of the platoon.
 Firing Plt: Hqs Sect: 4 mcl; 1 car (1); 1 AA car (4 w/ dual MG); 2 cars (15).
 Gun Sect: 6 halftracks (8); three 210mm Howitzers in two loads each – towed (barrel & gun cradle).
 Support Sect: 5 trucks (4.5-ton); 1 halftrack (8).
 1st Ammo Det: 2 mcl; 1 car (1); 4 trucks (4.5-ton).
 2nd Ammo Det: 1 mcl; 4 trucks (heavy).
 Bty Trains: 1 mcl; 1 mcl w/sc; 3 trucks (light); 1 truck (medium); 1 halftrack (8).

KStN 483 *

1.10.1938

Motorized 210mm Howitzer Battery (lange 21cm Mörser)

Bty Hqs: 3 mcl; 1 car (11); 1 car (12).
 Signal Det: Hqs Sect: 1 car (2/2).
 1 Hvy Tele Sect *a*: 1 car (2/2); 1 van (23).
 1 Med Tele Sect *b*: 1 car (15/1); 1 van (76).
 1 Pack Radio Sect *f*: 1 car (2/2).
 2 Pack Radio Sect *f*: ride with other sections of the platoon.
 Firing Plt: Hqs Sect: 4 mcl; 1 car (1); 1 AA car (4 w/ dual MG); 2 cars (15).
 Gun Sect: 3 halftrack (8); three Howitzers (210mm – towed).
 Support Sect: 5 trucks (4.5-ton); 1 halftrack (8).
 1st Ammo Det: 2 mcl; 1 car (1); 4 trucks (4.5-ton).
 2nd Ammo Det: 1 mcl; 4 trucks (heavy).
 Bty Trains: 1 mcl; 1 mcl w/sc; 3 trucks (light); 1 truck (medium); 1 halftrack (8).

NOTES:

The 210mm howitzers was the main heavy high-trajectory weapon the German Army used in World War II.

The lange 21cm Mörser (long 210mm howitzer) had been manufactured by Krupp during World War I. Of these, 28 had been modernized in 1934/35).

The 21cm Mörser 18 was an improved heavy howitzer developed by Krupp. Although it required some time to limber and unlimber, once it was ready to fire, its 360° traverse and long range meant that it could remain in place for longer than most weapons with a limited traverse.

Two battalions were organized with two batteries of 21cm Mörser and one battery of 15cm Kanone. The rest had three batteries with 210mm heavy howitzers.

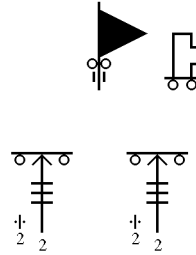
Specifications of the 210mm Howitzers

Designation:	21cm Mörser 18	21cm lange Mörser
Manufactured by:	Krupp	Krupp
Introduced in:	1939	(1916) 1934
Trailer loads:	two	one
Caliber:	210.9 mm	211 mm
Barrel length:	L/29	L/14.5
Range:	18,000 meters	11,100 meters
Ammo weight:	121.4 / 113 kilos	121 / 113 kilos
Unlimbered weight:	17,372 kilos	8,900 kilos
Limbered weight:	22,700 kilos*	9,220 kilos
Traverse:	16° / 16° **	4° / 4°
Elevation:	0° to +70°	-6° to +70°
Rate of Fire:	1 round/minute	1 round every 2 minutes

* Including two trailers (one each for the barrel & cradle)

** When mounted on the base plate, traverse was 360°

21cm KANONEN-ABTEILUNG (motorisiert)
Motorized 210mm Gun Battalion

**KStN 406 ***

1.10.1937

Headquarters, Motorized Heavy Artillery Battalion

Bn Hqs: 3 mcl; 2 mcl w/sc; 1 car (1); 2 cars (15).
 Bn Maint Det: 1 mcl w/sc; 1 car (light); 1 truck (light); 2 trucks (1.5-ton).
 Bn Trains: 2 mcl; 1 mcl w/sc; 6 trucks (light).

KStN 555 *

1.10.1937

Motorized Signal Platoon, Motorized Heavy Artillery Battalion

Plt Hqs: 3 mcl; 1 mcl w/sc; 1 car (light); 1 car (15); 1 car (15/2).
 1 Hvy Tele Sect *a*: 1 car (2/2); 1 van (23).
 1 Med Tele Sect *b*: 1 car (15/1); 1 van (76).
 2 Lt Tele Sect *c*: 1 car (15/1).
 2 Pack Radio Sect *f*: 1 car (2/2).
 1 Lt Radio Sect *c*: 1 van (17/1).

KStN 477 *

1.06.1940 (?)

Motorized Heavy 210mm Gun Battery

Bty Hqs : 3 mcl; 1 car (11); 1 car (12).
 Signal Det: Hqs Sect: 1 car (2/2).
 1 Hvy Tele Sect *a*: 1 car (2/2); 1 van (23).
 1 Med Tele Sect *b*: 1 car (15/1); 1 van (76).
 1 Pack Radio Sect *f*: 1 car (2/2).
 2 Pack Radio Sect *f*: ride with other sections of the platoon.
 Firing Plt: Hqs Sect: 2 mcl; 1 car (1); 1 AA car (4 w/dual MG); 2 cars (12);
 Gun Sect: 6 halftracks (8); two 210mm Guns in three loads – towed (barrel, upper cradle, lower cradle & base plate).
 Support Sect: 6 trucks (4.5-ton).
 1 Ammo Det: 2 mcl; 1 mcl w/sc; 4 trucks (2-ton).
 1 Ammo Det: 1 mcl; 4 trucks (2-ton); 4 trailers (ammo).
 Bty Trains: 1 mcl; 1 mcl w/sc; 3 trucks (light); 1 truck (medium); 1 halftrack (8).

NOTES:

Originally manufactured for export to Turkey (2 delivered) and Sweden (none delivered). Further production was diverted to the Germany Army, which started accepting the first of 12 heavy 210mm guns in March 1940.

Being transported in three loads meant that the guns had to be assembled before being used. This required the erection of a special crane, transported in one of the 4.5-ton trucks. The 21cm Kanone K39 was normally used tactically in a static role. However, the batteries were completely motorized, which allowed them to be considered as mobile from an operational point of view. Strategically, the batteries were moved by rail.

With a muzzle velocity of 860 meters per second, this 210mm gun was counted amongst the long-range, flat-trajectory, heavy artillery of the German Army's arsenal. The 21cm Kanonen 39 fired both concrete-piercing (concrete) and high explosive (HE) rounds and were used for long range destruction of hard targets and interdiction of logistics areas.

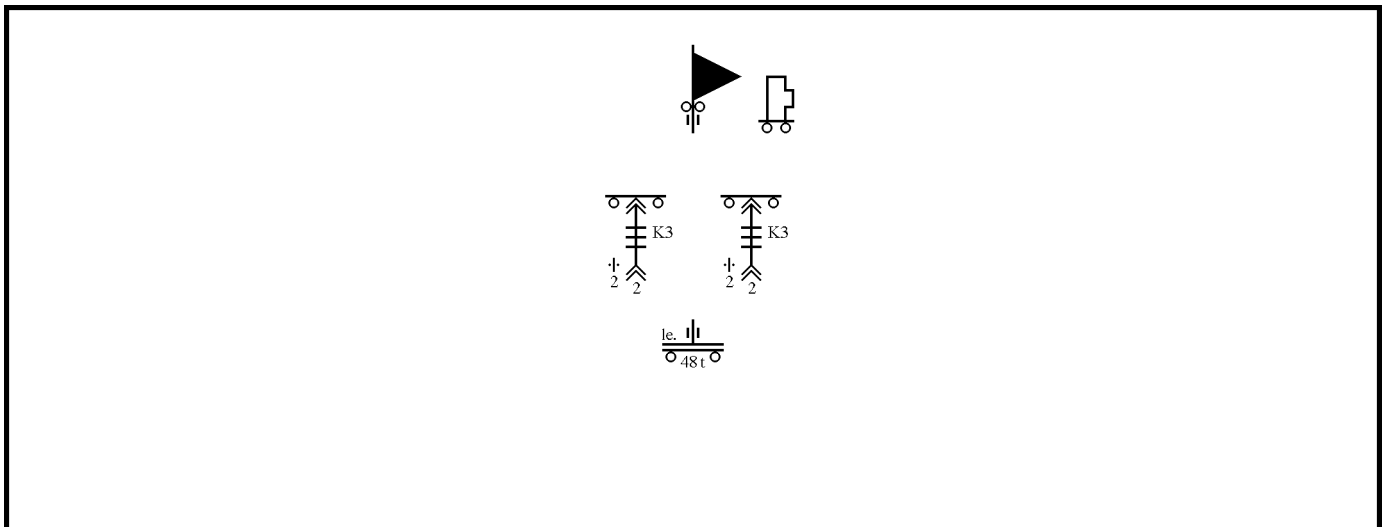
Owing to the long range effect, artillery calibration and direction could only be provided by GHQ artillery observation units.

Specifications of the 210mm Gun

Designation:	21cm Kanone 39
Manufactured by:	Skoda
Introduced in:	1940
Trailer loads:	three
Caliber:	210 mm
Barrel length:	L/52
Range:	33,000 meters
Ammo weight:	135 kilos
Unlimbered weight:	48,200 kilos
Limbered weight:	37,000 kilos*
Traverse:	360°
Elevation:	- 4° to + 45°
Rate of Fire:	3 rounds every 2 minutes

*) Including three trailers (barrel, upper cradle, lower cradle & base plate)

24cm K3 KANNONEN-ABTEILUNG (motorisiert)
Motorized 240mm K3 Gun Battalion



KStN 406 *) Headquarters, Motorized Heavy Artillery Battalion

1.10.1937 Bn Hqs: 3 mcl; 2 mcl w/sc; 1 car (1); 2 cars (15).
 Bn Maint Det: 1 mcl w/sc; 1 car (light); 1 truck (light); 2 trucks (1.5-ton).
 Bn Trains: 2 mcl; 1 mcl w/sc; 6 trucks (light).

KStN 555 *) Motorized Signal Platoon, Motorized Heavy Artillery Battalion

1.10.1937 Plt Hqs: 3 mcl; 1 mcl w/sc; 1 car (light); 1 car (15); 1 car (15/2).
 1 Hvy Tele Sect *a*: 1 car (2/2); 1 van (23).
 1 Med Tele Sect *b*: 1 car (15/1); 1 van (76).
 2 Lt Tele Sect *c*: 1 car (15/1).
 2 Pack Radio Sect *f*: 1 car (2/2).
 1 Lt Radio Sect *c*: 1 van (17/1).

KStN 490 *) Motorized 240mm Gun Battery (24cm K3)

1.10.1938 Bty Hqs: 2 mcl; 2 cars (15).
 Signal Det: Hqs Sect: 1 car (15).
 1 Hvy Tele Sect *a*: 1 car (2); 1 van (23).
 2 Pack Radio Sect *f*: 1 car (2).
 1 Pack Radio Sect *f*: rides in other Signal Platoon vehicles.
 1 Lt Radio Sect *c*: 1 van /17/1).
 Firing Plt: Hqs Sect: 1 mcl; 2 cars (1); 1 AA car (4 w/ dual MG); 1 car (15).
 Gun Sect: 12 halftracks (8); two 240mm Gun in six loads – towed (barrel, left cradle, right cradle, platform, carriage, base plate).
 Support Sect: 4 trucks (heavy); 1 halftrack (8).
 Ammo Det: 1 car (light); 5 trucks (heavy).
 Bty Trains: 1 truck (medium); 2 trucks (heavy).

NOTES:

Although the 24cm Kanone 3 was by far the longest range gun that the Germans had, accuracy at maximum range left much to be desired, and pinpoint targets had to be engaged at shorter ranges. Mobility was not its strong point, as the gun was transported in six loads, which – with the help of a collapsible crane – had to be mounted and dismounted from trailers, and later also erected at its firing position.

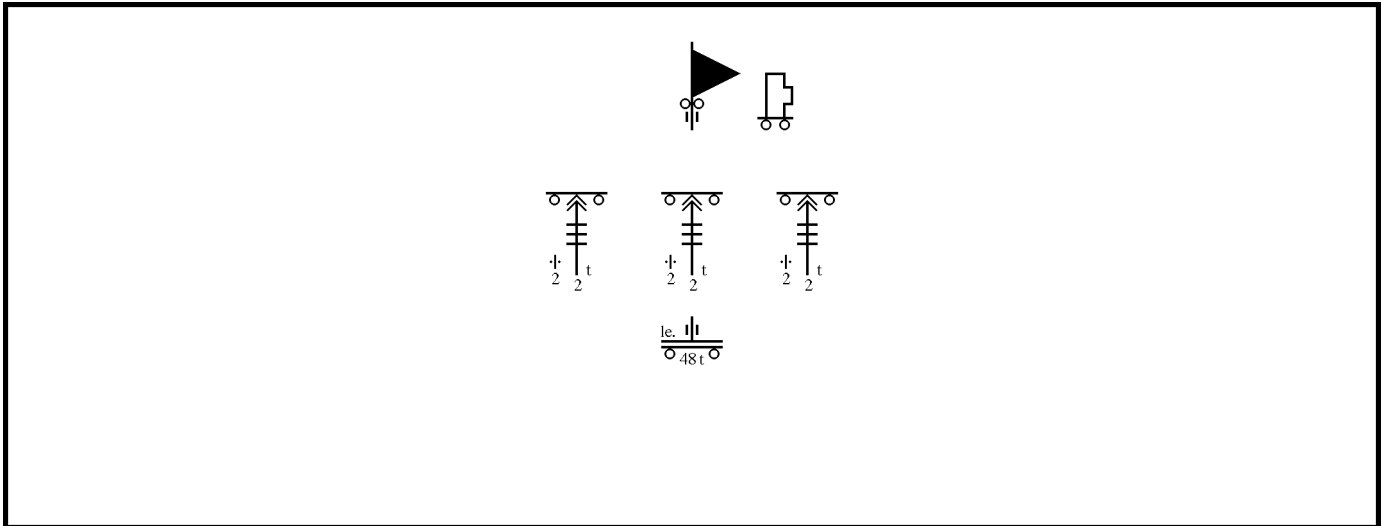
Specifications of the 240mm Gun

Designation:	24cm Kanone 3 (K3)
Manufactured by:	Krupp & Rheinmetall
Introduced in:	1938
Trailer loads:	six
Caliber:	238 mm
Barrel length:	L/54.6
Range:	37,500 meters
Ammo weight:	152.3 kilos
Unlimbered weight:	54,886 kilos
Limbered weight:	86,000 kilos*
Traverse:	6° / 6° **
Elevation:	- 1° to + 56°
Rate of Fire:	ca. 1 round every 3 minutes

*) including six trailers (one each for the barrel, right cradle, left cradle, platform, carriage, base plate)

**) Traverse is 360° when mounted on base plate.

24cm (t) KANNONEN-ABTEILUNG (motorisiert)
Motorized Czech 240mm Gun Battalion



KStN 406 *) Headquarters, Motorized Heavy Artillery Battalion
 1.10.1937 Bn Hqs: 3 mcl; 2 mcl w/sc; 1 car (1); 2 cars (15).
 Bn Maint Det: 1 mcl w/sc; 1 car (light); 1 truck (light); 2 trucks (1.5-ton).
 Bn Trains: 2 mcl; 1 mcl w/sc; 6 trucks (light).

KStN 555 *) Motorized Signal Platoon, Motorized Heavy Artillery Battalion
 1.10.1937 Plt Hqs: 3 mcl; 1 mcl w/sc; 1 car (light); 1 car (15); 1 car (15/2).
 1 Hvy Tele Sect *a*: 1 car (2/2); 1 van (23).
 1 Med Tele Sect *b*: 1 car (15/1); 1 van (76).
 2 Lt Tele Sect *c*: 1 car (15/1).
 2 Pack Radio Sect *f*: 1 car (2/2).
 1 Lt Radio Sect *c*: 1 van (17/1).

KStN 491 *) Motorized 240mm Gun Battery (24cm K(t))
 1.10.1938 Bty Hqs: 2 mcl; 2 cars (15).
 Signal Det: Hqs Sect: 1 car (15).
 1 Hvy Tele Sect *a*: 1 car (2); 1 van (23).
 2 Pack Radio Sect *f*: 1 car (2).
 1 Pack Radio Sect *f*: rides in other Signal Platoon vehicles.
 1 Lt Radio Sect *c*: 1 van /17/1).
 Firing Plt: Hqs Sect: 1 mcl; 2 cars (1); 1 AA car (4 w/ dual MG); 1 car (15).
 Gun Sect: 8 halftracks (8); two 240mm Gun in four loads – towed (barrel, left cradle, right cradle, platform).
 Support Sect: 4 trucks (heavy); 1 halftrack (8).
 Ammo Det: 1 car (light); 5 trucks (heavy).
 Bty Trains: 1 truck (medium); 2 trucks (heavy).

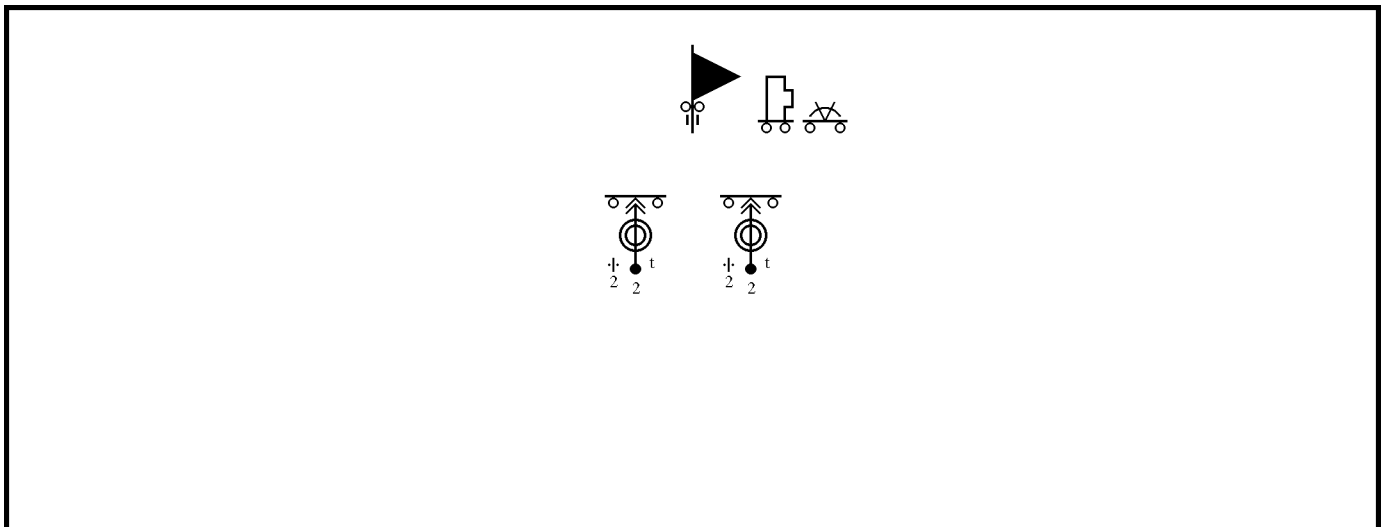
NOTES:

The Czech 240mm equipment had originally been introduced in the Austrian-Hungarian Army in 1916. Seized by the Germans after the invasion of Czechoslovakia, they were taken over by the German Army in 1939. It had the same base as the Czech 305mm heavy howitzer.

Specifications of the Czech 240mm Gun

Designation:	24cm Kanone (t)
Manufactured by:	Soda
Introduced in:	1939
Trailer loads:	four
Caliber:	240 mm
Barrel length:	L/40
Range:	29,875 meters
Ammo weight:	198 kilos
Unlimbered weight:	86,000 kilos
Limbered weight:	143,000 kilos
Traverse:	360°
Elevation:	- 5° to + 41.5°
Rate of Fire:	ca. 1 round/minute

24cm HAUBITZEN-ABTEILUNG (motorisiert)
Motorized Heavy 240mm Howitzer Battalion



- KStN 406 *) Headquarters, Motorized Heavy Artillery Battalion**
 1.10.1937
 Bn Hqs: 3 mcl; 2 mcl w/sc; 1 car (1); 2 cars (15).
 Bn Maint Det: 1 mcl w/sc; 1 car (light); 1 truck (light); 2 trucks (1.5-ton).
 Bn Trains: 2 mcl; 1 mcl w/sc; 6 trucks (light).
- KStN 555 *) Motorized Signal Platoon, Motorized Heavy Artillery Battalion**
 1.10.1937
 Plt Hqs: 3 mcl; 1 mcl w/sc; 1 car (light); 1 car (15); 1 car (15/2).
 1 Hvy Tele Sect *a*: 1 car (2/2); 1 van (23).
 1 Med Tele Sect *b*: 1 car (15/1); 1 van (76).
 2 Lt Tele Sect *c*: 1 car (15/1).
 2 Pack Radio Sect *f*: 1 car (2/2).
 1 Lt Radio Sect *e*: 1 van (17/1).
- KStN 529 *) Motorized Calibration Detachment**
 15.02.1932
 Det: 2 mcl; 1 car (3); 1 truck (1.5-ton).
- KStN 465 *) Motorized 305mm Super Heavy Howitzer Battery**
 1.10.1938
 Bty Hqs: 3 mcl; 1 car (11); 1 car (12).
 Signal Det: Hqs Sect: 1 car (2/2).
 1 Hvy Tele Sect *a*: 1 car (2/2); 1 van (23).
 1 Med Tele Sect *b*: 1 car (15/1); 1 van (76).
 1 Pack Radio Sect *f*: 1 car (2/2).
 2 Pack Radio Sect *f*: ride with other sections of the platoon.
 Firing Plt: Hqs Sect: 2 mcl; 1 car (1); 1 AA car (4 w/dual MG); 2 cars (12);
 2 Ammo Sect: 1 car (1); 4 trucks (4.5-ton).
 Gun Sect: 6 halftracks (8); two 240mm Howitzer in three loads each – towed (barrel, cradle, platform/base).
 Support Sect: 5 trucks (4.5-ton).
 Bty Trains: 1 mcl; 1 mcl w/sc; 3 trucks (light); 1 truck (medium); 1 halftrack (8).

NOTES:

Originally manufactured for export to Turkey (2 delivered). Further production was diverted to the Germany Army, which started accepting the first of 10 heavy 240mm howitzers in November 1939.

As with all ordinance transported in three loads, the guns had to be assembled before being used, requiring erection of a special crane which was transported in one of the 4.5-ton trucks. The 24cm Houbitze 39 was used tactically in a static role. The batteries were completely motorized allowing them to be considered as mobile from an operational point of view. Strategically, the batteries were moved by rail.

Owing to the long range effect, artillery calibration and direction could only be provided by GHQ artillery observation units.

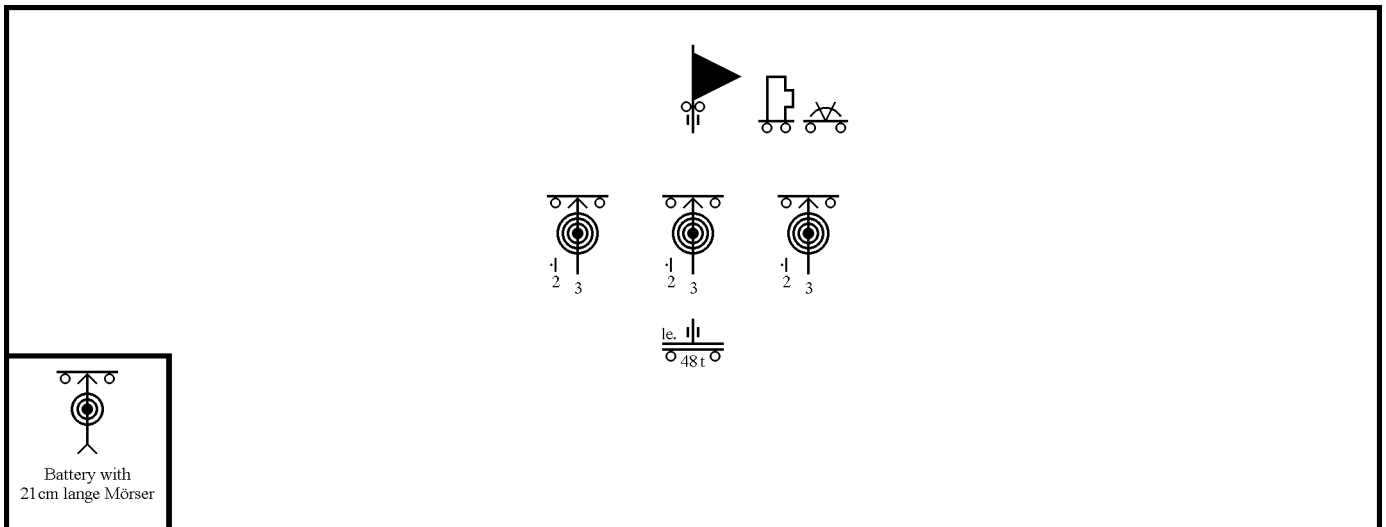
The II./814 was not ready until 20.05.40.

Specifications of the 240mm Howitzer

Designation:	24cm Haubitze 39
Manufactured by:	Skoda
Introduced in:	1939
Trailer loads:	three
Caliber:	240 mm
Barrel length:	L/28
Range:	18,350 meters
Ammo weight:	166 kilos
Unlimbered weight:	29,600 kilos
Limbered weight:	42,900 kilos *
Traverse:	360°
Elevation:	- 4° to + 70°
Rate of Fire:	1 round every 2 minutes

*) Including three trailers (barrel, upper cradle, lower cradle & base plate)

30,5cm MÖRSER-ABTEILUNG (motorisiert)
Motorized 305mm Howitzer Battalion

**KStN 406 *)**

1.10.1937

Headquarters, Motorized Heavy Artillery Battalion

Bn Hqs: 3 mcl; 2 mcl w/sc; 1 car (1); 2 cars (15).
 Bn Maint Det: 1 mcl w/sc; 1 car (light); 1 truck (light); 2 trucks (1.5-ton).
 Bn Trains: 2 mcl; 1 mcl w/sc; 6 trucks (light).

KStN 555 *)

1.10.1937

Motorized Signal Platoon, Motorized Heavy Artillery Battalion

Plt Hqs: 3 mcl; 1 mcl w/sc; 1 car (light); 1 car (15); 1 car (15/2).
 1 Hvy Tele Sect *a*: 1 car (2/2); 1 van (23).
 1 Med Tele Sect *b*: 1 car (15/1); 1 van (76).
 2 Lt Tele Sect *c*: 1 car (15/1).
 2 Pack Radio Sect *f*: 1 car (2/2).
 1 Lt Radio Sect *c*: 1 van (17/1).

KStN 529 *)

15.02.1932

Motorized Calibration Detachment

Det: 2 mcl; 1 car (3); 1 truck (1.5-ton).

KStN 518 *)

27.03.1940

Motorized Light Artillery Column (48-ton)

Hqs: 1 mcl w/sc; 1 car (light).
 3 Ammo Groups: 11 trucks (light).
 Col Trains: 1 mcl; 1 truck (light).

KStN 487 *)

1.10.1938

Motorized 305mm Super Heavy Howitzer Battery

Bty Hqs: 3 mcl; 1 car (11); 1 car (12).
 Signal Det: Hqs Sect: 1 car (2/2).
 1 Hvy Tele Sect *a*: 1 car (2/2); 1 van (23).
 1 Med Tele Sect *b*: 1 car (15/1); 1 van (76).
 1 Pack Radio Sect *f*: 1 car (2/2).
 2 Pack Radio Sect *f*: ride with other sections of the platoon.
 Firing Plt: Hqs Sect: 2 mcl; 1 car (1); 1 AA car (4 w/dual MG); 2 cars (12);
 2 Ammo Sect: 1 car (1); 4 trucks (4.5-ton).
 Gun Sect: 7 halftracks (8); two 305mm Howitzer in three loads each – towed (barrel, gun cradle, platform).
 Support Sect: 2 trucks (4.5-ton).
 Bty Trains: 1 mcl; 1 mcl w/sc; 3 trucks (light); 1 truck (medium); 1 halftrack (8).

NOTES:

The 305mm howitzer was a WWI weapon, manufactured under the auspices of the Austrian-Hungarian Empire. The Germans took over 23 after they conquered Czechoslovakia, it was modified, and faithfully did service with the Wehrmacht until the end of the war.

The Artillerie-Abteilung 624 and 641 had two batteries of 305mm howitzers and one of long 210mm howitzers. All three batteries of the Artillerie-Abteilung 815 had 305mm guns.

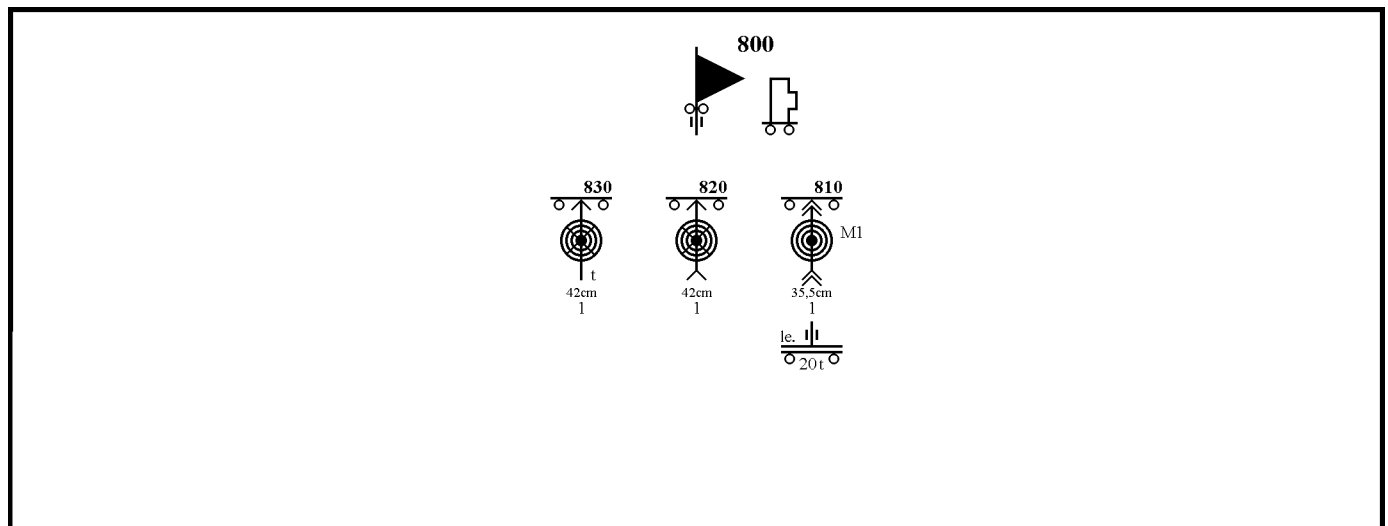
Specifications of the 305mm Super Heavy Howitzer

Designation:	30,5cm Mörser (t)
Manufactured by:	Skoda
Introduced in:	1939
Trailer loads:	three
Caliber:	305 mm
Barrel length:	L/15
Range:	12,200 meters
Ammo weight:	290.8/285.3 kilos
Unlimbered weight:	23,150 kilos
Limbered weight:	38,500 kilos*
Traverse:	6° / 6° **
Elevation:	- 4° to + 75°
Rate of Fire:	1 round every 5 minutes

*) Including three trailers (one each for the barrel, gun cradle, platform)

**) When mounted on the base plate, traverse was 360°

SCHWERSTE ARTILLERIE-ABTEILUNG (motorisiert)
Motorized Super Heavy Artillery Battalion



KStN 406 *
1.10.1937

Headquarters, Motorized Heavy Artillery Battalion

Bn Hqs: 3 mcl; 2 mcl w/sc; 1 car (1); 2 cars (15).
 Bn Maint Det: 1 mcl w/sc; 1 car (light); 1 truck (light); 2 trucks (1.5-ton).
 Bn Trains: 2 mcl; 1 mcl w/sc; 6 trucks (light).

KStN 555 *
1.10.1937

Motorized Signal Platoon, Motorized Heavy Artillery Battalion

Plt Hqs: 3 mcl; 1 mcl w/sc; 1 car (light); 1 car (15); 1 car (15/2).
 1 Hvy Tele Sect *a*: 1 car (2/2); 1 van (23).
 1 Med Tele Sect *b*: 1 car (15/1); 1 van (76).
 2 Lt Tele Sect *c*: 1 car (15/1).
 2 Pack Radio Sect *f*: 1 car (2/2).
 1 Lt Radio Sect *c*: 1 van (17/1).

KStN 486 *
1.05.1940

Motorized Super Heavy Howitzer Battery (35,5cm M1)

Bty Hqs: 3 mcl; 1 car (11); 1 car (12).
 Signal Det: Hqs Sect: 1 car (2/2).
 1 Hvy Tele Sect *a*: 1 car (2/2); 1 van (23).
 1 Med Tele Sect *b*: 1 car (15/1); 1 van (76).
 1 Air Liaison Radio Sect: 1 car (17/1).
 2 Pack Radio Sect *f*: 1 car (2/2).
 Firing Plt: Hqs Sect: 2 mcl; 1 car (1); 2 cars (12);
 2 Ammo Sect: 1 car (1); 4 trucks (4.5-ton).
 Gun Sect: 7 halftracks (8); one 355mm Howitzer in seven loads – towed.
 Support Sect: 2 trucks (3-ton); 1 truck (4.5-ton); 1 trailer (generator).
 Bty Trains: 1 mcl; 1 mcl w/sc; 3 trucks (light); 1 truck (medium); 1 halftrack (8).

KStN 510 *
01.10.1937

Motorized Light Artillery Column (20-ton)

Hqs: 1 mcl w/sc; 1 car (light).
 1 Ammo Group: 15 trucks (light).
 Col Trains: 1 mcl; 1 truck (light).

KStN 489 *
1.02.1940

Motorized Super Heavy Howitzer Battery (42cm M “Gamma”)

Bty Hqs: 3 mcl; 1 car (11); 1 car (12).
 Signal Det: Hqs Sect: 1 car (2/2).
 1 Hvy Tele Sect *a*: 1 car (2/2); 1 van (23).
 1 Med Tele Sect *b*: 1 car (15/1); 1 van (76).
 1 Air Liaison Radio Sect: 1 car (17/1).
 2 Pack Radio Sect *f*: 1 car (2/2).
 Firing Plt: Hqs Sect: 2 mcl; 1 car (1); 2 cars (12);
 2 Ammo Sect: 1 car (1); 4 trucks (4.5-ton).
 Gun Sect: 10 halftracks (8); one 420mm Howitzer in ten loads – towed (on multi-wheel Culemeyer trailers).
 Support Sect: 2 trucks (4.5-ton).
 Bty Trains: 1 mcl; 1 mcl w/sc; 3 trucks (light); 1 truck (medium); 1 halftrack (8).

KStN 492 *
1.06.1940 (?)

Motorized Super Heavy Howitzer Battery (42cm H (t))

Bty Hqs: 3 mcl; 1 car (11); 1 car (12).
 Signal Det: Hqs Sect: 1 car (2/2).
 1 Hvy Tele Sect *a*: 1 car (2/2); 1 van (23).
 1 Med Tele Sect *b*: 1 car (15/1); 1 van (76).
 1 Air Liaison Radio Sect: 1 car (17/1).
 2 Pack Radio Sect *f*: 1 car (2/2).
 Firing Plt: Hqs Sect: 2 mcl; 1 car (1); 2 cars (12);
 2 Ammo Sect: 1 car (1); 4 trucks (4.5-ton).
 Gun Sect: 4 halftracks (8); one 420mm Howitzer in four loads – towed (barrel, gun cradle, platform).
 Support Sect: 2 trucks (4.5-ton).
 Bty Trains: 1 mcl; 1 mcl w/sc; 3 trucks (light); 1 truck (medium); 1 halftrack (8).

NOTES:

The 355mm M1 Super Heavy Howitzer was developed for use against heavy fortifications, specifically the French Maginot Line. The first weapon was accepted in 1939.

The 420mm Gamma Super Heavy Howitzer was a WWI development. It had been missed by the Allied Disarmament Commission, and after testing, was accepted by the Army in 1939.

The Czech 420mm Super Heavy Howitzer had been captured by the Germans when they took over Czechoslovakia. The first of three weapons was accepted by the Army in 1940. Fired same ammunition as the Gamma Howitzer.

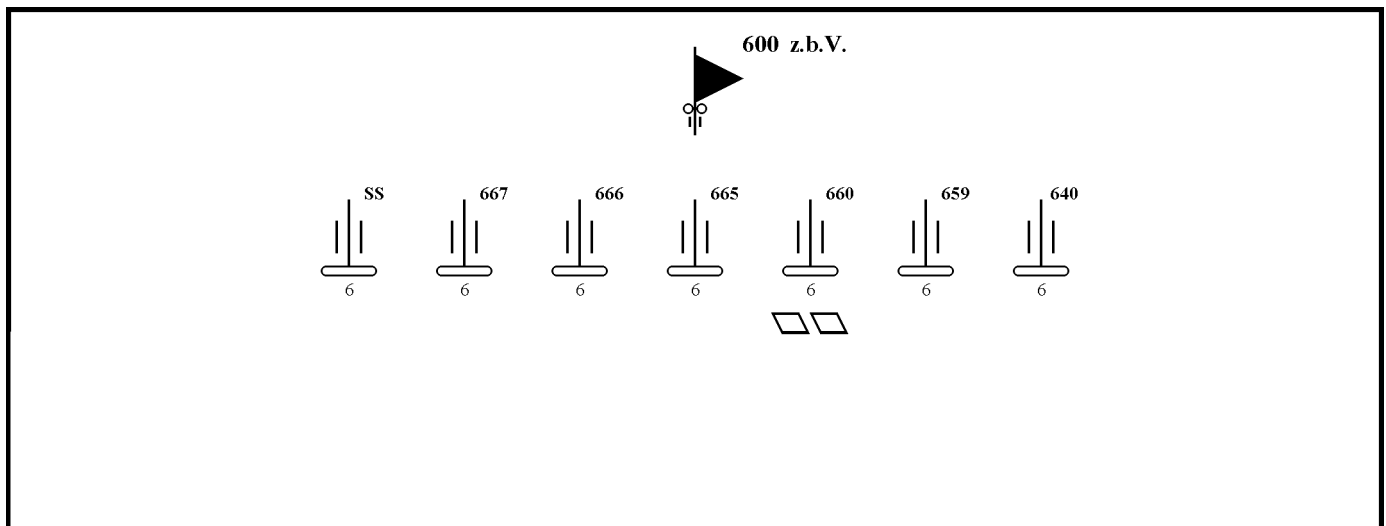
Specifications of the Super Heavy Howitzers

Designation:	35,5cm Mörser M1	42cm Mörser “Gamma”	42cm Haubitze (t)
Manufactured by:	Rheinmetal	Krupp	Skoda
Introduced in:	1939	1939	1915 (1939)
Trailer loads:	seven	ten	four
Caliber:	355.6mm	420mm	420mm
Barrel length:	L/28.9	L/16	L/15
Range:	20,850 meters	12,000 / 14,200 meters	12,700 / 14,600 meters
Shell weight:	575 kilos	800 / 1160 kilos	800 / 1160 kilos
Unlimbered weight:	78,000 kilos	150,000 kilos	105,000 kilos
Limbered weight:	123,500 kilos *	~300,000 kilos *	~160,000 kilos *
Traverse:	7.4° / 7.4° **	46° / 46°	60° / 60°
Elevation:	- 5° to + 75°	+ 43° to + 75°	- 4° to 45°
Rate of Fire:	~1 round every 4 minutes	~1 round every 8 minutes	~1 round every 5 minutes

* Including trailers.

** Traverse was 360° when mounted on base plate.

STURMARTILLERIE Assault Guns



KStN 420 *)
16.04.1940

Headquarters, Special Artillery Battalion

Bn Hqs: 3 mcl; 2 mcl w/sc; 3 cars (medium); 2 cars (15); 2 armored observation halftracks (253).

Signal Sect: 1 car (15).

Scout Sect: 5 mcl; 2 mcl w/sc; 1 car (1); 2 LMG.

Bn Maint Group: Ordnance Det: 1 car (light); 2 truck (medium).

Motor Maint Det: 1 mcl w/sc; 1 car (2/40); 7 trucks (medium); 1 trailer (generator); 1 trailer (equipment & tools)

Recovery Det: 1 mcl; 3 halftracks 18-ton (9); 3 trunk trailers (116).

Bn Trains: 2 mcl; 1 mcl w/sc; 1 car (light); 1 AA car (4 w/dual MG); 1 car (medium); 7 trucks (medium); 1 ambulance (31); 1 trailer (generator).

KStN 445 *)
1.11.1939

Assault Gun Battery

Bty Hqs: 3 mcl; 1 mcl w/sc; 3 cars (15); 2 halftracks (10).

3 Firing Plt: Hqs Sect: 1 mcl; 1 armored observation halftrack (253); 1 halftrack (11).

Gun Sect: 2 assault guns (142)

Ammo Sect: 1 armored ammo halftrack (252); 1 trailer (ammo); 1 halftrack (10); 1 trailer (ammo).

Ammunition Det: 1 mcl; 1 mcl w/sc; 5 trucks (medium).

Maint Sect: 2 mcl; 1 car (2/40); 5 trucks (medium).

Co Trains: 2 mcl; 1 car (light); 1 AA car (4 w/dual MG); 1 car (15); 4 trucks (medium); 1 trailer (generator).

NOTES:

The mission of the armored assault guns of the Sturmgeschütz (assault gun) arm was to advance directly with the infantry. It was to provide close support, direct fire for the infantry between the time that the artillery ceased fire and the infantry closed with the enemy. This pause was particularly critical, as the enemy had time to recover from the artillery fire, but was not subjected to the immediate effects of the infantry attack. On the contrary, friendly infantry was at its most exposed during these moments.

On 20.04.1940, the 'Stab, Artillerie-Abteilung z.b.V. was raised as a headquarters and administrative headquarters for the batteries, which operated more or less independently during the 1940 French Campaign.

The first batteries (640., 659., 660. Sturmabteilungen) were raised on 8.04.1940. The 640. Sturmabteilung was at once assigned to the Infantry Regiment (mot) Grossdeutschland, while the other two operated independently during the 1940 French Campaign. On 29.04.1940, the SS-Sturm-Batterie was raised. On 1.06.1940, the fifth (665. Sturmabteilung) unit was raised, and participated in the second part of the campaign.

Two additional batteries (666. and 667. Sturmabteilungen) were raised on 20.05.1940 and 1.07.1940, respectively, but could not participate in the campaign as they had defective armor. It had been thought to add extra armor to the assault guns of these two units, but during trails the armor plates had loosened, and a remedy had to be found before they could be used in combat.

The first batteries only had armored halftracks for the platoon leaders, whereas the battery commander rode in an unarmored halftrack. These were Artillery Inspectorate units, and the commanders were considered command personnel, not combat leaders, as was the case with the infantry and Panzer combat arms. In the beginning, therefore, the assault gun batteries were considered as an attack weapon, to escort the infantry which was engaged in particularly decisive operations. In actual fact, upon the first hint of enemy contact, the commanders and platoon leaders quickly changed over to the assault guns, and booted out one of the crew members (usually the vehicle commander), who was then forced to ride in one of the halftracks, unarmored or armored.

The armored halftracks had two-way radios, while the Sturmgeschütz only had receivers. Communication with higher headquarters and contacting neighboring units was carried out by the armored observation halftracks (Sd.Kfz. 253).

The 640. Sturmabteilung had m.SPW (Sd.Kfz. 251) instead of the armored observation halftracks (Sd.Kfz. 253).

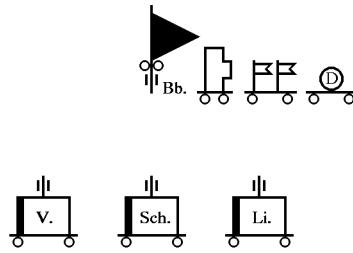
The 660. Sturmabteilung had two Pz-I as armored ammunition carriers (Sd.Kfz. 111) instead of the two halftracks in the ammunition section.

Battery	Assignment
640. Sturmabteilung	Inf.Rgt. Grossdeutschland, Gruppe Kleist, Hgr. A
659. Sturmabteilung	1. Geb.Div., XXVIII. AK, 12. Armee, Hgr. A
660. Sturmabteilung	Reserves, Gruppe Kleist, Hgr. A
665. Sturmabteilung	Forming, Combat ready by 01.06.40
666. Sturmabteilung	Forming. Defective armor. Combat ready by 17.07.40
667. Sturmabteilung	Forming. Defective armor. Combat ready by 01.08.40
SS-Sturm-Batterie	Forming. Combat ready by 20.06.40

Specifications of the 75mm Assault Gun

Designation:	Gepanzerte Selbstfahrlafette für Sturmgeschütz 7,5cm Kanone
Also known as:	Sturmgeschütz 7,5cm (mot), Ausf. A (Sd.Kfz. 142)
Manufactured by:	Daimler-Benz
Intriduced:	1940
Caliber:	75mm (7,5cm Stu-K L/24)
Barrel length:	L/24
Maximum range:	6000 meters
Ammunition carried:	44 rounds
Armor:	50mm (hull); 50mm (fighting compartment)
Vehicle weight:	19,600 kilos
Traverse:	12° / 12°
Elevation:	- 10° to + 20°
Road speed:	30 km/h

BEOBACHTUNGSABTEILUNG (mot)
Motorized Artillery Observation Battalion

**KStN 533 *)****Headquarters, Motorized Artillery Observation Battalion**

1.10.1936

Bn Hqs: 1 mcl; 3 cars (1); 1 van (light).

Bn Maint Det: 1 mcl w/sc; 1 car (2/40); 1 car (light); 2 trucks (medium).

Bn Trains: 2 mcl; 2 mcl w/sc; 2 cars (light); 6 trucks (light); 1 truck (medium); 1 truck (3-ton).

KStN 571 *)**Motorized Signal Platoon, Motorized Artillery Observation Battalion**

1.10.1938

Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15).

1 Hvy Tele Sect *b*: 1 car (15); 1 van (76).1 Lt Tele Sect *c*: 1 van (17).4 Pack Radio Sect *d*: 1 car (2).**KStN 538 *)****Motorized Meteorological Platoon**

1.10.1936

2 Weather Sect: 1 mcl; 1 car (light); 1 truck (medium).

KStN 527**Motorized Printing Detachment**

1.12.1934

Det: 1 mcl; 1 car (light); 1 motor bus (for office use).

KStN 534 *)**Motorized Calibration Battery**

1.10.1938

Bty Hqs: 2 mcl; 2 cars (16).

3 Calibration Plt: Hqs Sect: 1 car (3); 1 car (16).

2 Calibration Sect: 1 car (16).

1 Evaluation Plt: Hqs Sect: 1 mcl; 1 car (4).

1 Evaluation Sect: 1 van (62); 1 trailer (generator).

1 Evaluation Sect: 1 van (62).

1 Equipment Sect: 1 van (64).

Bty Maint Sect: 1 mcl w/sc; 1 car (2/40).

Bty Trains: 1 mcl; 6 trucks (light); 1 truck (2-ton); 1 truck (medium).

KStN 535 *)**Motorized Sound Ranging Battery**

1.10.1938

Bty Hqs: 2 mcl; 2 cars (16).

1 Warning Plt: Hqs Sect: 1 car (3).

2 Warning Sect: 1 car (16).

2 Sound Ranging Plt: Hqs Sect: 2 cars (3).

2 Sect: 1 car (16); 1 van (63).

1 Evaluation Plt: Hqs Sect: 1 mcl; 1 car (light); 1 car (4).

2 Recording Sect: 1 van (62).

1 Evaluation Sect: 1 van (62); 1 trailer (generator).

1 Evaluation Sect: 1 van (62).

1 Equipment Section: 1 van (63).

Bty Maint Sect: 1 mcl w/sc; 1 car (2/40).

Bty Trains: 1 mcl; 6 trucks (light); 1 truck (2-ton); 1 truck (medium).

KStN 536 *)**Motorized Flash Ranging Battery**

1.10.1938

Bty Hqs: 2 mcl; 2 cars (16).

3 Flash Ranging Plt: Hqs Sect: 2 cars (3).

2 Sect: 1 car (16); 1 van (63).

1 Evaluation Plt: Hqs Sect: 1 mcl w/sc; 1 car (light); 1 car (4).

2 Recording Sect: 1 van (62).

1 Evaluation Sect: 1 van (62); 1 trailer (generator).

1 Evaluation Sect: 1 van (62).

Bty Maint Sect: 1 mcl w/sc; 1 car (2/40).

Bty Trains: 1 mcl; 6 trucks (light); 1 truck (2-ton); 1 truck (medium).

Battalion	A.K.	Armee Hgr.	Notes
1	Beob.Abt. (mot)	XIX	Kleist A
2	Beob.Abt. (mot)	XI	6 B
3	Beob.Abt. (mot)	III	12 A
4	Beob.Abt. (mot)	XXVI	18 B
5	Beob.Abt. (mot)	XXIII	16 A
6	Beob.Abt. (mot)	XIII	16 A
7	Beob.Abt. (mot)	IV	6 B
8	Beob.Abt. (mot)	-	- C
9	Beob.Abt. (mot)	III	12 A
10	Beob.Abt. (mot)	-	4 A [1]
11	Beob.Abt. (mot)	XXVII	6 B
12	Beob.Abt. (mot)	V	4 A
13	Beob.Abt. (mot)	XXVII	6 B
14	Beob.Abt. (mot)	XI	6 B
15	Beob.Abt. (mot)	-	- C
16	Beob.Abt. (mot)	VI	12 A
17	Beob.Abt. (mot)	XIII	16 A
18	Beob.Abt. (mot)	IV	6 B
19	Beob.Abt. (mot)	IX	6 B
20	Beob.Abt. (mot)	IV	6 B
21	Beob.Abt. (mot)	-	- C
22	Beob.Abt. (mot)	-	- C
23	Beob.Abt. (mot)	-	- C
24	Beob.Abt. (mot)	-	- C
25	Beob.Abt. (mot)	-	- C
26	Beob.Abt. (mot)	VII	16 A
27	Beob.Abt. (mot)	XXIII	16 A
28	Beob.Abt. (mot)	XXVIII	4 A
29	Beob.Abt. (mot)	-	Kleist A
30	Beob.Abt. (mot)	X	18 B
31	Beob.Abt. (mot)	-	- C
32	Beob.Abt. (mot)	II	4 A
33	Beob.Abt. (mot)	-	- C
34	Beob.Abt. (mot)	-	- C
35	Beob.Abt. (mot)	-	- C
36	Beob.Abt. (mot)		OKH Reserves?
38	Beob.Abt. (mot)	XVIII	12 A
44	Beob.Abt. (mot)	XV	4 A

[1] Subordinated to 211. Inf.Div.

BALLON-BATTERIE (mot)
Motorized Artillery Observation Balloon Battery



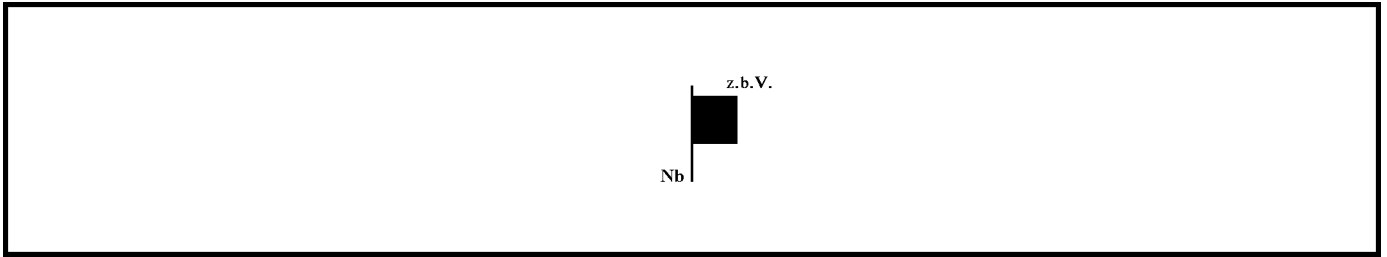
KStN 539 *)
 1.10.1938

Motorized Balloon Battery

Bty Hqs: 1 mcl; 2 cars (16).
 Evaluation Plt: 1 mcl w/sc; 1 car (light); 2 vans (62).
 Weather Plt: 2 Weather Sect: 1 mcl; 1 car (light); 1 truck (medium).
 Signal Plt: Hqs: 1 car (15).
 3 Med Tele Sect *b*: 1 car (15); 1 van (76).
 3 Lt Radio Sect *b*: 1 van (17).
 Balloon Plt: 1 car (15); 5 trucks; 1 halftrack (18); 1 trailer (2 axle for winch – *Sd.Anh. 204*).
 1st Gas Det: 1 car (15); 6 trucks (3-ton).
 2nd Gas Det: 6 trucks (medium).
 3 AA Plt: Hqs Sect: 3 mcl; 2 cars (15/2).
 Ammo Sect: 2 halftracks (10).
 Gun Sect: 4 halftracks (10/4 with 20mm AA guns); 4 trailers (for guns).
 Bty Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Bty Trains: 1 car (light); 7 trucks (light); 1 truck (medium).

Unit	Assignment			
1. Ball.-Btr. (mot)	1 Beob.Abt. (mot)	XIX. AK	Gruppe Kleist	Hgr. A
4. Ball.-Btr. (mot)	4 Beob.Abt. (mot)	XXVI. AK	18. Armee	Hgr. B
5. Ball.-Btr. (mot)	5 Beob.Abt. (mot)	XXIII. AK	16. Armee	Hgr. A
6. Ball.-Btr. (mot)	6 Beob.Abt. (mot)	XIII. AK	16. Armee	Hgr. A
100. Ball.-Btr. (mot)	7 Beob.Abt. (mot)	IV. AK	6. Armee	Hgr. B
101. Ball.-Btr. (mot)	–	–	6. Armee	Hgr. B

REGIMENTSSTAB DER NEBELTRUPPEN zur besondere Verwendung
Special Regiment Headquarters for Chemical Troops



KStN 601 *) **Special Regiment Headquarters for Chemical Troops**
 ? Rgt Hqs: 4 mcl; 1 car (1); 3 cars (15); 1 bus.
 Rgt Hqs Trains: 1 car (light); 3 trucks (medium).

NOTES:

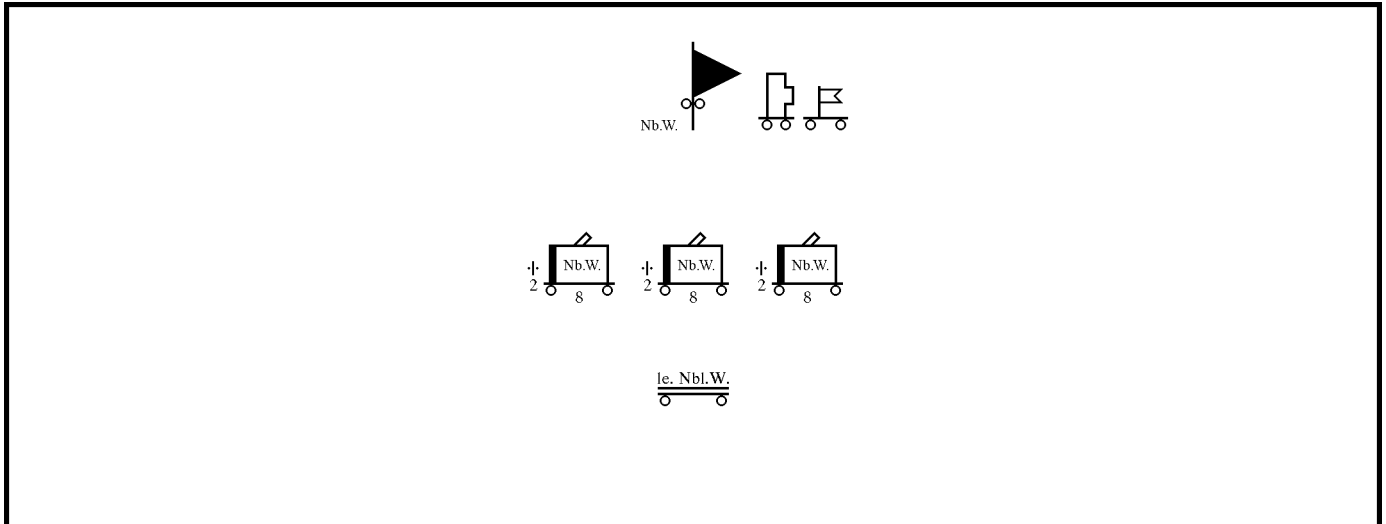
At the beginning of the war, the Germans were by no means certain that the Allies would not practice gas warfare, and extensive preparations were made for this event. The Special Regiment Headquarters for Chemical Troops were raised to coordinate these measures. They also were to coordinate the rocket launching units and the decontamination units, and to advise all troops about the use of and defense against chemical weapons and to control these measures.

One of these headquarters was attached to each of the Heeresgruppen.

A KStN for these headquarters has not been found although they certainly existed on 10.05.40, as they were raised on according to Tessin 15.10.39, 15.01.40, and 15.04.40 respectively, also being listed on the Kriegsgliederung des Feldheeres dated 15.05.40.

Headquarters	Assignment		
1 Rgt.Stb.Nbl.Tr. (mot) z.b.V.	–	Gruppe Kleist	Hgr. A
2 Rgt.Stb.Nbl.Tr. (mot) z.b.V.	IV. AK	6. Armee	Hgr. B
3 Rgt.Stb.Nbl.Tr. (mot) z.b.V.	–	–	Hgr. C

NEBEL-ABTEILUNG (motorisiert)
Motorized Rocket Launcher Battalion



- KSStN 603 *) Headquarters, Motorized Rocket Launcher Battalion**
1.10.1937
Bn Hqs: 3 mcl; 2 mcl w/sc; 1 car (1); 2 cars (15).
Bn Motor Maint Det: 1 mcl w/sc; 1 car (2/40); 2 trucks (3-ton).
Bn Trains: 2 mcl; 1 mcl w/sc; 6 trucks (light).
- KSStN 631 *) Motorized Signal Platoon, Motorized Rocket Launcher Battalion**
1.10.1937
Plt Hqs: 1 mcl; 1 mcl w/sc; 1 car (15).
1 Hvy Tele Sect *a*: 1 car (2); 1 van (23),
1 Lt Tele Sect *c*: 1 car (15).
4 Pack Radio Sect *d*: 1 car (2).
- KSStN 671 *) Motorized Meteorological Detachment, Motorized Rocket Launcher Battalion**
1.10.1938
Det: 1 mcl; 1 van (62).
- KSStN 661 *) Motorized Light Rocket Launcher Column "a", Motorized Rocket Launcher Battalion**
1.10.1938
Col Hqs: 1 mcl; 1 car (light).
Ammo Plt: Hqs Sect: 1 car (light).
2 Ammo Sect: 4 trucks (light).
Col Trains: 1 mcl; 3 trucks (light).
- KSStN 614 *) Motorized Rocket Launcher Battery**
1.10.1938
Bty Hqs: 2 mcl; 1 AA car (4 with dual MG).
Signal Det: 1 Lt Tele Sect *c*: 1 car (15).
3 Pack Radio Sect *d*: 1 car (2).
2 Launcher Plt: Hqs Sect: 1 mcl; 1 cars (1).
Launcher Det: 4 trucks (1.5-ton); 4 launchers (105mm).
Ammo Det: 1 car (light); 4 trucks (1.5-ton).
Bty Trains: 1 truck (medium); 2 trucks (heavy).

NOTES:

Although the general impression of the German Nebeltruppen (lit., "Smoke Troops") is that they were equipped with multiple tube equipment, this was not the case in 1940. The single tube 105mm rocket launcher was the standard equipment of the Nebeltruppen on 01.05.1940. The Nebelwerfer 35 (Nbl.W. 35) was not really a rocket launcher, but basically a large mortar. It was loaded via the front of the tube, had a smooth barrel, and a high elevation and trajectory. It could fire smoke and high explosive rounds, as well as chemical (i.e. poisonous gas) rounds, although the latter were never used.

It could be broken down into three man-packed loads and carried by its crew of seven, (team leader; three gunners, and three ammunition handlers). For movement of the mortar and ammunition over longer distances, small hand carts were issued. The three components of the Nbl.W. 35 were:

Bipod with adjustment gear: 32.2 kilos carried by Gunner No. 1
Tube with cover: 31.7 kilos carried by Gunner No. 2
Base plate: 36.3 kilos carried by Gunner No. 3

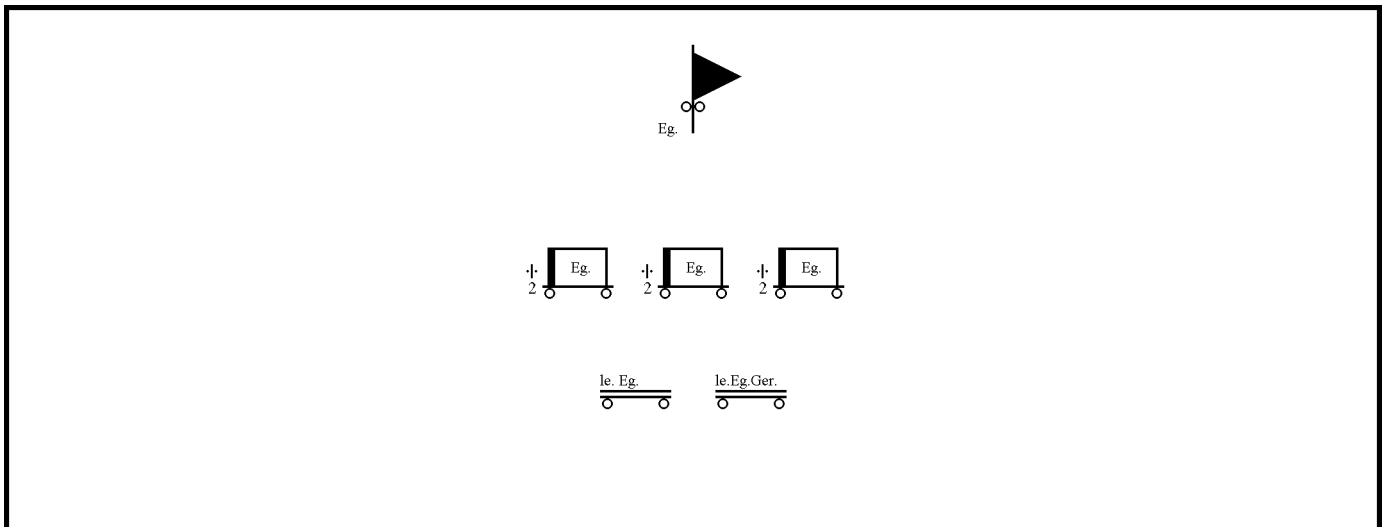
The most important criteria for the selection of the firing position was the type of ground upon which the Nbl.W. 35 was to be emplaced. The base plate was preferably emplaced on hard, gravelly ground, so that the launcher did not jump up when fired. It took three rounds to zero in the weapon, the first rounds were best fired at high elevation to settle the base plate firmly on the ground.

Battalion	Assignment		
1. Nebel-Abteilung (mot)	IV. AK	6. Armee	Hgr. B
2. Nebel-Abteilung (mot)	–	Gruppe Kleist	Hgr. A
3. Nebel-Abteilung (mot)	XI. AK	6. Armee	Hgr. B
4. Nebel-Abteilung (mot)	VII. AK	16. Armee	Hgr. A
5. Nebel-Abteilung (mot)	XV. AKg	4. Armee	Hgr. A
6. Nebel-Abteilung (mot)	still forming	OKH Reserven	
7. Nebel-Abteilung (mot)	still forming	OKH Reserven	
8. Nebel-Abteilung (mot)	still forming	OKH Reserven	

Specifications for the 105mm rocket-launcher:

Designation:	Nebelwerfer 35 (Nbl.W. 35)
Manufactured by:	Rheinmetall-Borsig
Introduced:	1934
Caliber:	105mm
Barrel length:	L/13
Range:	3,075 meters
Projectile weight:	7.26 kilos (High Explosive); 8.62 kilos (Smoke)
Unlimbered weight:	101 kilos
Limbered weight:	101 kilos
Traverse:	15 ° / 15 °
Elevation:	+45 ° / +84 °
Rate of Fire:	10 / 15 rpm

ENTGIFTUNGS-ABTEILUNG (motorisiert)
Motorized Decontamination Battalion

**KStN 605**

1.11.1939

Headquarters, Motorized Decontamination Battalion

Bn Hqs: 2 mcl; 1 mcl w/sc; 1 car (light); 3 cars (15).
 Signal Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15).
 1 Hvy Tele Sect *a*: 1 car (2); 1 van (23),
 1 Lt Tele Sect *c*: 1 car (15).
 4 Pack Radio Sect *d*: 1 car (2).
 Bn Motor Maint Det: 1 mcl w/sc; 1 car (2/40); 2 trucks (3-ton).
 Bn Trains: 2 mcl; 2 mcl w/sc; 1 car (light); 8 trucks (light); 1 truck (3-ton).

KStN 665

1.11.1939

Motorized Light Decontamination Column, Motorized Decontamination Battalion

Col Hqs: 1 mcl; 1 car (light).
 3 Plt: 1 car (light); 4 trucks (light); 2 trucks (3-ton).
 Col Trains: 1 mcl w/sc; 2 trucks (light); 1 truck (medium).

KStN 666

1.11.1939

Motorized Light Decontamination Equipment Column, Motorized Decontamination Battalion

Col Hqs: 1 mcl; 1 mcl w/sc; 1 car (light).
 Truck Plt: Hqs Sect: 1 car (light).
 3 Sect: 4 halftracks (10/3); 6 halftracks (11/3).
 Maint Sect: 1 mcl w/sc; 1 car (15).
 Col Trains: 1 mcl w/sc; 2 trucks (light); 1 truck (medium); 1 truck (heavy).

KStN 615

1.11.1939

Motorized Decontamination Battery

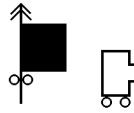
Bty Hqs: 1 mcl; 3 mcl w/sc; 2 cars (1); 1 AA car (4 with dual MG).
 Signal Det: 1 Lt Tele Sect *c*: 1 car (15).
 3 Pack Radio Sect *d*: 1 car (2).
 2 Decon Plt: 1 mcl; 1 mcl w/sc; 1 car (1); 3 halftracks (10/1); 4 halftracks (10/2); 2 halftracks (11/2).
 Maint Sect: 1 mcl w/sc; 1 car (15).
 Bty Trains: 1 mcl; 1 car (light); 4 trucks (light); 1 truck (medium); 1 truck (92); 1 trailer (decon).

NOTES:

The Motorized Light Decontamination Column carried the following load:
 11 tons of decontamination chemicals on 9 light trucks.
 1200 sets of protective clothing on 3 light trucks.
 600 decontamination shower sets on the 6 cross-country trucks.

Battalion	Assignment		
101 Entg.Abt. (mot)	–	OKH Reserven ?	
102 Entg.Abt. (mot)	I. AK	–	Hgr. B
105 Entg.Abt. (mot)	–	OKH Reserven ?	

**STAB, PIONIER-REGIMENT (motorisiert) z.b.V.
Headquarters, Motorized Special Engineer Regiment**



- KStN 701 Headquarters, Motorized Engineer Regiment**
1.09.1934 Rgt Hqs: 5 mcl; 2 mcl w/sc; 1 car (11); 1 car (15); 1 car (21).
Rgt Hqs Trains: 2 mcl w/sc; 3 trucks (light); 1 truck (medium).
- KStN 783 Motorized Signal Platoon, Motorized Engineer Regiment**
1.10.1937 Hqs Sect: 1 mcl; 1 car (2/2).
2 Med Tele Sect *b*: 1 car (15/1); 1 van (76).
2 Pack Radio Sect *b*: 1 car (2/2).
2 Pack Radio Sect *b*: ride in one 2-ton truck.

NOTES:

A headquarters, engineer regiment was normally only attached to a command when there were four or more GHQ engineer units on hand. Engineer staff units were assigned to coordinate the GHQ engineers, and in many cases also the divisional combat engineers within a command.

Besides the motorized GHQ and divisional combat engineer battalions, there were numerous other non-motorized engineer units, such as construction battalions; road construction engineer battalions; specialized bridge construction engineer battalions; railway bridge engineer construction battalions. There were specialized platoons, columns, companies, and battalions for a variety of tasks and with a multitude of equipment, such as snow clearing; well drilling; combat bridge, heavy bridge, railway bridge transport; engineer machine and equipment transport; engineer assault boat; amphibious engineers; searchlight; fortification building, etc., etc. In addition, there were the various types of engineer equipment parks.

The types of engineer units gives an indication of the variety of types of missions that combat, construction, bridge, and railway engineers were expected to execute. The staffs of the headquarters, engineer regiment had to coordinate all the efforts of the engineers with other GHQ units, such as labor, technical, transport, railway, supply, and other rear echelon services.

Besides being involved in the planning of offensive and defensive operations, they were also charged with improving and expanding the logistics capabilities of the rear areas, including bridges, railway construction and road construction. They also had to liaise with the signal troops and coordinate the efforts of both services.

The staffs of these headquarters contained specialists whose main mission was that of coordination of effort, planning, and supervision. Although corps, armies, and army groups had their own engineer officers, the regimental commander (usually a lieutenant colonel or a colonel) was expected to report directly to and advise the commander of the headquarters to which his unit was assigned.

Headquarters	Assignment		
413 Stab, Pion.Rgt. z.b.V.	XXVI. AK	18. Armee	Hgr. B
504 Stab, Pion.Rgt. z.b.V.	–	16. Armee	Hgr. A
507 Stab, Pion.Rgt. z.b.V.	–	–	Hgr. C
511 Stab, Pion.Rgt. z.b.V.	–	Gruppe Kleist	Hgr. A
541 Stab, Pion.Rgt. z.b.V.	III. AK	12. Armee	Hgr. A
601 Stab, Pion.Rgt. z.b.V.	IV. AK	6. Armee	Hgr. B
604 Stab, Pion.Rgt. z.b.V.	–	4. Armee	Hgr. A
617 Stab, Pion.Rgt. z.b.V.	XI. AK	6. Armee	Hgr. B
620 Stab, Pion.Rgt. z.b.V.	–	6. Armee	Hgr. B
628 Stab, Pion.Rgt. z.b.V.	XVIII. AK	12. Armee	Hgr. A
667 Stab, Pion.Rgt. z.b.V.	–	Gruppe XXI	– [1]
673 Stab, Pion.Rgt. z.b.V.	VI. AK	12. Armee	Hgr. A
674 Stab, Pion.Rgt. z.b.V.	IX. AK	6. Armee	Hgr. B
677 Stab, Pion.Rgt. z.b.V.	V. AK	4. Armee	Hgr. A
678 Stab, Pion.Rgt. z.b.V.	–	–	– [2]
680 Stab, Pion.Rgt. z.b.V.	–	–	– [3]
690 Stab, Pion.Rgt. z.b.V.	–	–	– [2]
700 Stab, Pion.Rgt. z.b.V.	–	–	Hgr. B [4]

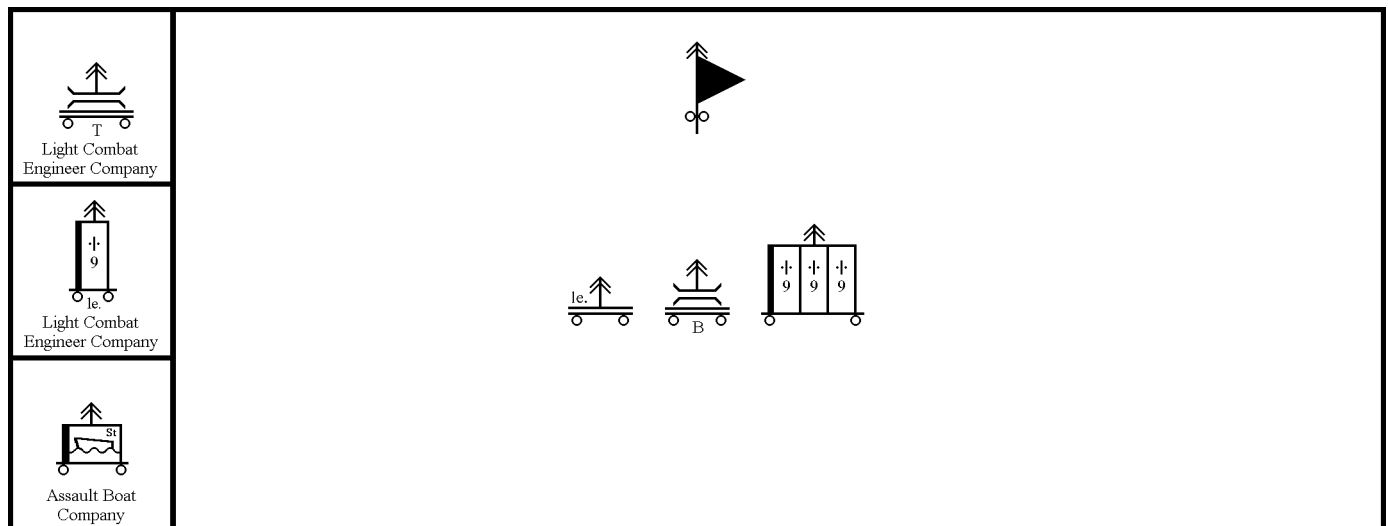
[1] Functioning as Kodeis (Commander of Railroads).

[2] Not raised until 20.05.40.

[3] Not raised until 18.05.40.

[4] For heavy bridge construction.

**PIONIER-BATAILLON (motorisiert)
Motorized Engineer Battalion**



KStN 703 Headquarters, Motorized Combat Engineer Battalion

1.10.1937 Bn Hqs: 3 mcl; 2 mcl w/sc; 1 car (11); 2 cars (15).
Signal Det: Hqs Sect: 1 mcl w/sc.
2 Pack Radio Sect *b*: 1 car (2).
2 Pack Radio Sect *b*: ride together in 1 truck (2-ton).
Bn Hqs Trains: 2 mcl; 2 trucks (light).

KStN 712 Motorized Combat Engineer Company

1.10.1937 Co Hqs: 1 mcl; 4 mcl w/sc; 1 car (15).
2 Pack Radio Sect *b*: 1 car (15).
3 Engr Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15); 1 truck (3-ton).
3 Engr Sect: 1 truck (3-ton); 1 Combat Engineer Section with 1 LMG.
Co Trains: 1 mcl; 2 trucks (light); 4 trucks (medium).

KStN 714 Motorized Light Combat Engineer Company

1.10.1938 Co Hqs: 3 mcl; 1 mcl w/sc; 1 car (15); 1 truck (2-ton).
2 Pack Radio Sect *b*: 1 car (15).
3 Engr Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15).
2 Engr Sect: 1 car (2); 2 trucks (2-ton); 1 Combat Engineer Section with 1 LMG.
1 Engr Sect: 1 mcl; 1 mcl w/sc; ; 2 trucks (2-ton); 1 Combat Engineer Section with 1 LMG.
Co Trains: 2 mcl; 2 trucks (light); 1 truck (medium).

KStN 741 Motorized Light Engineer Column

1.10.1937 Col Hqs: 1 mcl; 1 mcl w/sc; 1 car (light).
1 Plt: 1 mcl; 1 mcl w/sc; 6 trucks (medium); 2 trailers (2-wheel air-compressor).
1 Plt: 1 mcl; 1 mcl w/sc; 7 trucks (medium); 1 ambulance (31).
Col Trains: 1 mcl; 1 truck (light).

KStN 729 *) Motorized Assault Boat Company

? Co Hqs: 1 mcl w/sc; 1 car (15).
2 Pack Radio Sect *b*: 1 car (15).
3 Plt: 6 trucks (3-ton); 3 halftracks (7); 9 trailers (assault boat); 27 assault boats.
Co Trains: 1 mcl; 1 mcl w/sc; 2 trucks (light); 1 truck (medium).

NOTES:

The 3-ton trucks in the sections of the Combat Engineer Companies were the Pionier-Kraftwagen I (Pion.Kw. I), whereas the 2-ton trucks in the sections of the Light Combat Engineer were the Pionier-Kraftwagen III (Pion.Kw. III).

The Assault Boat Company raised by the Pionier-Schule (Engineer School), had an improvised organization, which has not been located. Hence its organization is conjecture. It was detached to the IV. AK.

The "Sturm" designation of the 43rd Battalion appears to have been a honorific, and not a reflection of the internal organization of the battalion.

For bridge column organization, see next page.

Battalion	Type B Bridge Column	AK	Armee	Hgr.
1 Pion.Lehr-Btl. (mot)	Lehr 1	XI	6	B [1]
41 Pion.Btl. (mot)	1./41 2./41	-	Kleist	A
42 Pion.Btl. (mot)	42	-	6	B [2]
43 Sturm-Pion.Btl. (mot)	-	XIX	Kleist	A
44 Pion.Btl. (mot)	44	IV	6	B
45 Pion.Btl. (mot)	45 (T)	II	4	A [3]
46 Pion.Btl. (mot)	46	-	6	B
47 Pion.Btl. (mot)	47	IX	6	B [2]
48 Pion.Btl. (mot)	48	VIII	4	A
50 Pion.Btl. (mot)	50	-	6	B
51 Pion.Btl. (mot)	51	IV	6	B
52 Pion.Btl. (mot)	52	XXVI	18	B
62 Pion.Btl. (mot)		-	6	B
70 Pion.Btl. (mot)	70	VI	12	A
85 Pion.Btl. (mot)	85	III	12	A
505 Pion.Btl. (mot)	1./505 2./505	XIX	Kleist	A
627 Pion.Btl. (mot)	627	XV	4	A
630 Pion.Btl. (mot)	630	-	4	A
635 Pion.Btl. (mot)	635	XV	4	A
651 Pion.Btl. (mot)	651	X	18	B
666 Pion.Btl. (mot)	666	XXIII	16	A

[1] 1 Engineer Company, 1 light Engineer Company, 1 Assault Boat Company

[2] Plus one Blocking Column

[3] Type T instead of Type B Bridge Column.

BRÜCKEN-KOLONNE B (motorisiert)
Motorized Type B Bridge Column



KStN 733
1.10.1937

Motorized Type B Bridge Column

Col Hqs: 3 mcl; 1 car (1).
2 Bridge Plt: Hqs Sect: 1 mcl; 1 car (light).
Trestle Sect: 4 halftracks (7); 4 trailers (4-wheel w/ trestles)
Pontoon Sect: 8 trucks (3-ton); 8 trailers (4-wheel w/ 3 pontoons each).
Boat Sect: 1 truck (3-ton); 1 trailer (4-wheel w/ motor boat).
1 Support Plt: 2 mcl w/sc; 1 truck (light); 1 truck (medium); 3 trucks (3-ton); 1 trailer (2-wheel w/ winch); 2 trailers (4-wheel w/ ramps).
Col Trains: 1 truck (light).

KStN 739
8.09.1939

Motorized Type T Bridge Column

Col Hqs: 2 mcl; 1 car (1).
2 Bridge Plt: 1 mcl w/sc; 2 halftracks (7); 2 trucks (3-ton); 2 trailers (4-wheel w/ trestles); 3 trailers (4 wheel w/ 2 pontoons each).
Support Plt: 1 mcl w/sc; 2 trucks (light).
Col Trains: 1 truck (light).

NOTES:

Besides the Type B bridge equipment, the columns also had 48 meters of infantry walkway with rubber rafts, carried in the support platoon trucks.

Both Type B and Type T carried 12 large and 24 small rubber boats.

Column	Assignment	Notes
401 Brü-Kol. B	XI. AK 6. Arme	Hgr. B
1./ 402 Brü-Kol. B	II. AK 4. Arme	Hgr. A
2./ 402 Brü-Kol. B	II. AK 4. Arme	Hgr. A
1./ 403 Brü-Kol. B	OKH Reserves ?	
2./ 403 Brü-Kol. B	- 12. Arme	Hgr. A
1./ 404 Brü-Kol. B	XXVI. AK 18. Arme	Hgr. B
2./ 404 Brü-Kol. B	XXVI. AK 18. Arme	Hgr. B
1./ 405 Brü-Kol. B	IX. AK 6. Arme	Hgr. B
2./ 405 Brü-Kol. B	IX. AK 6. Arme	Hgr. B
1./ 406 Brü-Kol. B	OKH Reserves ?	
2./ 406 Brü-Kol. B	- 12. Arme	Hgr. A
1./ 407 Brü-Kol. B	- 12. Arme	Hgr. A
2./ 407 Brü-Kol. B	IV. AK 6. Arme	Hgr. B
1./ 408 Brü-Kol. B	- 4. Arme	Hgr. A
2./ 408 Brü-Kol. B	- 4. Arme	Hgr. A
1./ 409 Brü-Kol. B	XXVI. AK 18. Arme	Hgr. B
2./ 409 Brü-Kol. B	XXVI. AK 18. Arme	Hgr. B
1./ 410 Brü-Kol. B	X. AK 18. Arme	Hgr. B
2./ 410 Brü-Kol. B	X. AK 18. Arme	Hgr. B
1./ 411 Brü-Kol. B	IX. AK 6. Arme	Hgr. B
2./ 411 Brü-Kol. B	IX. AK 6. Arme	Hgr. B
1./ 412 Brü-Kol. B	X. AK 18. Arme	Hgr. B
2./ 412 Brü-Kol. B	X. AK 18. Arme	Hgr. B
1./ 413 Brü-Kol. B	IV. AK 6. Arme	Hgr. B
2./ 413 Brü-Kol. B	IV. AK 6. Arme	Hgr. B
1./ 422 Brü-Kol. B	OKH Reserves ?	
2./ 422 Brü-Kol. B	- 12. Arme	Hgr. A
1./ 427 Brü-Kol. B	IV. AK 6. Arme	Hgr. B
2./ 427 Brü-Kol. B	IV. AK 6. Arme	Hgr. B

Column	Assignment	Notes
1./ 430 Brü-Kol. B	OKH Reserves ?	
2./ 430 Brü-Kol. B	XI. AK 6. Arme	Hgr. B
442 Brü-Kol. B	OKH Reserves ?	
602 Brü-Kol. B	XI. AK 6. Arme	Hgr. B
603 Brü-Kol. B	XI. AK 6. Arme	Hgr. B
606 Brü-Kol. B	IV. AK 6. Arme	Hgr. B
609 Brü-Kol. B	OKH Reserves ?	
610 Brü-Kol. B	XXVI. AK 18. Arme	Hgr. B
612 Brü-Kol. B	X. AK 18. Arme	Hgr. B
615 Brü-Kol. B	XXVI. AK 18. Arme	Hgr. B
616 Brü-Kol. B	- 4. Arme	Hgr. A
624 Brü-Kol. B	- 4. Arme	Hgr. A
626 Brü-Kol. B	XXVI. AK 18. Arme	Hgr. B
636 Brü-Kol. B	XI. AK 6. Arme	Hgr. B
639 Brü-Kol. B	XI. AK 6. Arme	Hgr. B
644 Brü-Kol. B	IX. AK 6. Arme	Hgr. B
645 Brü-Kol. B	XXVI. AK 18. Arme	Hgr. B
649 Brü-Kol. B	- 6. Arme	Hgr. B [1]
652 Brü-Kol. B	- 4. Arme	Hgr. A
653 Brü-Kol. B	IV. AK 6. Arme	Hgr. B [1]
656 Brü-Kol. B	II. AK 4. Arme	Hgr. A
657 Brü-Kol. B	VIII. AK 4. Arme	Hgr. A
658 Brü-Kol. B	OKH Reserves ?	[1]
660 Brü-Kol. B	OKH Reserves ?	[1]
661 Brü-Kol. B	- 6. Arme	Hgr. B [1]
663 Brü-Kol. B	OKH Reserves ?	[1]
664 Brü-Kol. B	OKH Reserves ?	[1]
667 Brü-Kol. B	OKH Reserves ?	[1]
668 Brü-Kol. B	OKH Reserves ?	[1]

[1] Equipment Unit, no personnel or motor vehicles.

PIONIERSPERR-KOLONNE (motorisiert)
Motorized Engineer Blocking Column

**KStN 749**

1.10.1936

Motorized Engineer Blocking Column

Col Hqs: 2 mcl; 1 car (light).

2 Blocking Plt: 1 mcl w/sc; 8 trucks (medium).

Col Trains: 3 trucks (light).

Equipment of the Blocking Column (mot):

270 rolls of barbed wire (K-Rollen)

3000 mines (T-Minen)

2000 meters fuse

30 units of explosive Type a (28.8 kilos)

13 units of explosive Type b (24 kilos)

19 units of explosive Type c (26 kilos)

10 units of explosive Type d (25 kilos)

= 1920 kilos of explosives

The exact type of explosives to be carried along was not binding, although the total weight of the explosives was fixed.

Column	Assignment		
507 Pion.Sperr-Kol. (mot)	OKH Reserven?		
531 Pion.Sperr-Kol. (mot)	–	16. Armee	Hgr. A
541 Pion.Sperr-Kol. (mot)	–	12. Armee	Hgr. A
548 Pion.Sperr-Kol. (mot)	–	16. Armee	Hgr. A
560 Pion.Sperr-Kol. (mot)	VI. AK	12. Armee	Hgr. A
566 Pion.Sperr-Kol. (mot)	OKH Reserven?		
577 Pion.Sperr-Kol. (mot)	–	16. Armee	Hgr. A
593 Pion.Sperr-Kol. (mot)	–	–	Hgr. C
611 Pion.Sperr-Kol. (mot)	–	16. Armee	Hgr. A
613 Pion.Sperr-Kol. (mot)	XXIII. AK	16. Armee	Hgr. A
622 Pion.Sperr-Kol. (mot)	XXIII. AK	16. Armee	Hgr. A
632 Pion.Sperr-Kol. (mot)	III. AK	12. Armee	Hgr. A
634 Pion.Sperr-Kol. (mot)	XXIII. AK	16. Armee	Hgr. A

VERMESSUNGSABTEILUNG (motorisiert)
Survey Company (motorized)



KStN 2071
01.10.1938

Motorized Survey Company

Company Headquarters: 1 car (light); 1 car (medium); 1 truck (light).

Communications Section: 4 mcl w/sc.

Photography Platoon:

Hqs Sect: 1 car (light); 2 buses (medium for equipment and personnel).

Photo Calibration Sect: ride in Headquarters Section vehicles.

Photo Archive Sect: ride in Headquarters Section vehicles.

Printing Platoon:

Hqs Sect: 1 car (light); 3 buses (medium as workshops); 1 van (medium); 1 wheeled tractor (medium);
1 trailer (enclosed body for printing press); 1 trailer (Sd.Anh. 24/A).

Lithograph Sect: ride in Headquarters Section vehicles.

Reproduction Sect: ride in Headquarters Section vehicles.

Hand Printing Sect: ride in Headquarters Section vehicles.

Rapid Printing Sect: ride in Headquarters Section vehicles.

Power and Lighting Sect: ride in Headquarters Section vehicles.

Survey Detachment:

Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (medium); 1 truck (light).

Construction Sect: 1 wheeled tractor (medium); 1 trailer (2-axle, general purpose); 2 trailers (1-axle, for long equipment).

4 Survey Plt: 1 car (light); 5 truck (light).

Service Sect: 1 truck (medium).

Company Trains: 4 trucks (light).

NOTES:

The designation "Abteilung" – normally used for a battalion sized unit – reflects the fact that since the company had so many specialist officers (1 captain, and 26 lieutenants), a battalion echelon commander (billet group "B", i.e., either a major or a lieutenant colonel) commanded the unit. Note however, that the unit was company sized, as was the symbol used to depict it. It had a total of 201 troops: 28 officers, 1 Beamter, 55 NCO, and 117 Enlisted Men. The unit retained this organization until 1941, when it converted to a "real" battalion with two companies. The symbol was then changed accordingly.

Company	Assignment		
501 Vermessungsabteilung (mot)	–	–	Oberost
601 Vermessungsabteilung (mot)	–	4. Armee	Hgr. A
602 Vermessungsabteilung (mot)	–	12. Armee	Hgr. A
604 Vermessungsabteilung (mot)	–	–	Hgr. C
607 Vermessungsabteilung (mot)	–	–	Hgr. C
608 Vermessungsabteilung (mot)	–	18. Armee	Hgr. B
613 Vermessungsabteilung (mot)	–	–	Hgr. C
617 Vermessungsabteilung (mot)	WK III		BdE [1]
618 Vermessungsabteilung (mot)		OKH Reserves	
620 Vermessungsabteilung (mot)	–	–	Hgr. B
624 Vermessungsabteilung (mot)	III. AK	12. Armee	Hgr. A
631 Vermessungsabteilung (mot)	–	6. Armee	Hgr. B
633 Vermessungsabteilung (mot)	–	16. Armee	Hgr. A

[1] Raised 10.05.40

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INTRODUCTION TO GERMAN SOFT-SKINNED MOTOR VEHICLES

Identification and Numbering System

The German Wehrmacht identified its motor vehicles by make, by type, by load, by mobility, by purpose, by number of seats, and/or by number. The latter, *Kraftfahrzeug (Kfz.)* and *Sonder Kraftfahrzeug (Sd.Kfz.)* numbers, indicated the purpose but not manufacturer of the vehicle. Early in the war, this series of numbers were reasonably well adhered to, although some vehicles were only classified by their load and mobility. As the war continued, the numbering system fell into disuse. The details of the numerical classifications are given on the next pages. The classifications were:

Kfz. No. Nomenclature

- 1 – 10 light personnel carriers (*le. PKW*)
- 11 – 20 medium personnel carriers (*m. PKW*)
- 21 – 30 heavy personnel carriers (*s. PKW*)
- 31 – 40 light load carriers (*le. LKW*)
- 41 – 50 medium load carriers (*m. LKW*)
- 51 – 60 heavy load carriers (*s. LKW*)
- 61 – 70 light cross-country load carriers (*le. gl. LKW*)
- 71 – 80 medium cross-country load carriers (*m. gl. LKW*)
- 81 – 90 heavy cross-country personnel carriers (*s. gl. PKW*),
and, light cross-country load carriers (*le. gl. LKW*)

The heavy personnel carrier and the light load carrier had the same numbers. Same chassis, different bodies.

Classifications did not always correspond to the actual usage. Mobility for personnel and load carriers, whether military or commercial versions, was defined either as cross-country (indicated by the prefix “*geländegängig*”, abbreviated to “*gl.*”, i.e. cross-country), or road-bound, in which case either the suffix “*(o.)*” was added, or the suffix was omitted altogether.

Commercial vehicles could be directly purchased from the manufacturer, or, upon mobilization, requisitioned from the civilian economy. Indeed 63% of all motor vehicles in the German Army were requisitioned by September 1939.

German Load Carriers

Load carriers came in two versions (truck, i.e. open/with a bed; and van, i.e. closed/with a body instead of a bed), and in two types (commercial and military). As indicated above, the Germans used both numbered and unnumbered series of load carriers. Load carriers with and without “*Kfz.*” numbers came in three different load classifications:

- Light up to 2-ton
- Medium 3-ton
- Heavy 4.5-ton and over.

Load carriers with over a 5-ton load factor were only bought in the commercial versions.

German Commercial Load Carriers in Military Use

up to 2-ton (light)	Adler	W61
	Borgward	L1400
	Daimler-Benz	L1500, L1500S, L1500A
	Phanomen	Granit 25H; 1500S, 1500A
	Opel	Blitz 2,5-32
	Steyr (Ost. Daimler)	1500A/01, 1500A/02, 2000A
3-ton (medium)	Borgward	B3000S, B3000A
	Daimler-Benz	L3000, L3000S, L3000A
	Ford	G21T; V3000, V3000S
	KHD (Magirus)	3000S, 3000A
	MAN	E2; E3000
	Opel	Blitz 3,6-36S, Blitz 6700A
4.5-ton (heavy)	Büssing-NAG	4500S, 4500A
	Daimler-Benz	L4500S, L4500A
	Gräfe & Stift	V7DW
	MAN	ML4500S, ML4500A
6.5-ton	Büssing-NAG	6500
	Daimler-Benz	L6500
	Krupp	LD6,5
	MAN	F4
	Vomag	6LR-647, 6LR-652
	Tatra	6500A
9-ton	Büssing-NAG	801, 802
	Faun	L9000D567

German Personnel Carriers

Personnel carriers, with or without numbers, were also classified according to their mobility and engine size:

- Light up to 1500cc
- Medium up to 3000cc
- Heavy over 3000cc

Personnel carriers were either civilian or military. Civilian and later also military vehicles were identified by the engine size – and sometimes the number of seats.

German Motorcycles

There were a multitude of motorcycle types in the German Army, classified according to engine size:

- Light up to 350cc
- Medium up to 500cc
- Heavy over 500cc

Motorcycles came in solo and sidecar versions. For the heavy motorcycles with sidecars, the sidecar wheel was power-driven. Some motorcycles had a light machine-gun mounted on the sidecar. The side cars were also used to carry light mortars, ammunition, as well as personnel.

The Einheits-Vehicle-Program

The Einheits Program was an attempt by the German Armed Forces in the 1930s to produce a series of standardized vehicles. They were based on complicated 4 x 2, 4 x 4, and 6 x 4 chassis, with varying bodies, each conceived for a specific role.

Four chassis were finally produced. They were designated the light (*le. E-PKW*), the medium (*m. E-PKW*), as well as the heavy (*s. E-PKW*) personnel carriers. The fourth was the light load carrier (*le. E-LKW*, also known as the “*Einheits-Diesel*”). This light load carrier, produced between 1937 and 1940, had a 6 x 6 chassis capable of transporting 2.5-tons, and was powered by a diesel engine, (one of the few WWII German vehicles so powered).

Early Einheits-PKW all had stub axles on both sides for the spare wheels, which were supposed to assist the vehicles in crossing rough terrain. This feature was dropped in later models.

Light load carrier chassis were also fitted with passenger bodies. A typical example of this was the *le. Einheits-LKW*, and later the Steyer 1500.

The Einheits Vehicle Program ran into considerable difficulties owing to production and maintenance complications. The design proved too sophisticated for field use, where maintenance and spare parts were in short supply. The complicated two-axle steering caused particular problems in maintenance. The *le. Einheits-LKW* proved the only one that was a successful design.

The Schell Vehicle Program

The Einheits Program could not meet the motor vehicle needs of the German Armed Forces. In 1938, the Schell Program was initiated. It standardized the number of Einheits vehicles at four, (see paragraph above), and provided a limited number of alternative commercial vehicles with all-wheel drive. It reduced the large variety of models in both commercial and military production from 113 to 30 load carriers, from 52 to 10 personnel carriers, and from 150 to 30 motorcycles, which, as an added benefit, enabled the German Army to commandeer civilian vehicles in time of need without drastically complicating the replacement and spare parts situation. The Schell Program vehicles did not always have the engine performance required for military use.

Neither the Einheits nor the Schell Programs provided enough vehicles for the expanding German Armed Forces. However, no solution was ever found for this problem, and Germany was severely handicapped by a lack of motor vehicles in World War II. Even the incorporation of captured enemy vehicles and the production facilities of occupied countries was unable to remedy this problem.

The Raupenschlepper Ost (RSO)

The Russian Campaign quickly demonstrated that German wheeled vehicles were totally inadequate when it came to moving through mud and snow. This lack of good cross-country mobility led to the development of the Raupenschlepper Ost, created to meet the needs of the infantry for a fully-tracked motor vehicle that could move in all terrain. It was ideal also because it did not move very much faster than the marching infantry. This family of vehicles was produced without the standard identifying numbers being allocated.

The Maultier

The lack of good cross-country mobility also led to field improvisations. One of which was so successful that it was produced in large amounts by German industry. The Maultier was basically a truck with tracks and drive train components similar to that of a light tank instead of a rear axle and wheels. The Germans produced two weight classes, namely the Sd.Kfz. 3 based on the medium truck, (initially with a 2-ton payload, then increased to 3 tons) and the Sd.Kfz. 3/5, based on the 4.5-ton truck, (initially with a 4-ton payload, then increased to 4.5 tons).

The Schwere Wehrmachtsschlepper

A simplified and standardized 6-ton halftrack began production in late 1943. Production was low, with only 1000 being produced during the war.

GERMAN NUMBERED MOTORIZED SOFT-SKINNED VEHICLES

Kfz.	German Nomenclature	Description	Makes & Models
1	le gl PKW (‘Kübelwagen’)	light cc personnel carrier (3 and 4-seater) Hanomag - all models	le. Einheits-PKW BMW 303, 309, 315, 319, 3/15, 4/20PS Daimler-Benz 170-V Dixie 3/15 Opel P-4 Skoda Popular 1100 Steyr 250 Volkswagen Type 82, 87, etc.
1/20	le gl schwimm-PKW	light amphibious cc personnel carrier (4-seater)	Volkswagen Type 128 and 166
2	le Nachrichten-Kw	light cc signals carrier	le. Einheits-PKW
2/1	le Fernsprech-Kw	light cc telephone carrier	BMW 309, 319, 3/15, 4/20
2/2	le Funk-Kw	light cc radio carrier	Hanomag - all models
2/40	le Instandsetzungs-Kw	light cc maintenance section carrier (all 2 seaters with equipment storage in the back)	Daimler-Benz 170-V Volkswagen Type 82, 87, etc.
3	le Messtrupp-Kw	light cc calibration section carrier	le. Einheits-PKW BMW 309 Daimler-Benz 170-V Steyr 250 Volkswagen Type 82, 87, etc.
4	le Truppen-Luftschutz-Kw	light cc anti-aircraft carrier (dual MG)	le. Einheits-PKW
5	m gl Kessel-Kw	medium cc tanker	m. Einheits-PKW
11	m gl PKW	medium cc personnel carrier	m. Einheits-PKW
12	m gl PKW mit Zughaken	medium cc personnel carrier with towing hook (for 37mm ATG, 75mm IG, ammo trailers)	Adler 12N, 3-Gd Daimler-Benz 200, 260, 290, 320 Phänomen Granit 25 Wanderer W-11, W-23S
13	m gl gp PKW (MG)	early armored medium cc car (with one MG)	Adler Standard 6
14	m gl gp PKW (Funk)	early armored medium cc radio car (no armament)	
15	m gl PKW	medium cc personnel carrier	m. Einheits-PKW
15	m gl PKW mit Gerätkasten	medium cc carrier with equipment boxes	Auto Union / Horch 830-R
15/1	m gl Nachrichten-Kw	medium cc signals carriers	Daimler-Benz 340-WK, L1500A
15/1	m gl Fernsprech-Kw	medium cc telephone carrier	Horch 830-R, 830-BL
15/2	m gl Funk-Kw	medium cc radio carrier	Steyr 250
15/4	m gl Funk-Kw	medium cc radio carrier	Stoewer M-12-RW
15/5	m gl Funk-Kw	medium cc radio carrier	
15/6	m gl Funk-Kw	medium cc radio carrier	
15/7	m gl Funk-Kw	medium cc radio carrier	
17	m gl Fernschreibe-Kw	medium cc telex carrier	
16	m gl Meßstelle-Kw	medium cc calibration station carrier	
16	m gl Meßtrupp-Kw	medium cc calibration section carrier	
16/1	m gl Vorwarner-Kw	medium cc advanced warning section carrier	
17	kl Verstärker-Kw	small cc amplifier van	m. Einheits-PKW
17	kl Kabelmess-Kw	small cc wire calibration van	Auto Union / Horch 830-R
17	kl Fernsprechbetriebs-Kw	small cc telephone operations van	
17/1	kl Funktrupp-Kw	small cc radio section van	
17/2	kl Fernsprechtrupp-Kw	small cc telephone section van	
17/3	kl Funk-Kw	small cc radio van	
18	s gl PKW	heavy cc personnel carrier	m. Einheits-PKW
18	Gefechts-Kw (mit Gerätkasten & Zughaken)	heavy cc carrier (combat) (with equipment boxes and towing hook)	s. Einheits-PKW Daimler-Benz 200, L1500A Wanderer W 11, W 14
19	Fernsprechbetriebs-Kw	cc telephone exchange van	Krupp L2H-43, Krupp L2H-143
	Fernsprech-Kw	cc telephone van	
	Funk-Kw	cc radio van	
21	s gl PKW (Kommandeurwagen)	heavy cc staff car (sedan or cabrio)	Daimler-Benz G-4 Krupp L2H-143 Cabrio Steyr 640, 1500A Praga Skoda
23	Fernsprech-Kw	cc telephone equipment van	s. Einheits-PKW
24	Verstärker-Kw	cc amplifier equipment van	
31	Sanitäts-Kw (‘Sanka’) [also: Kranken-Kw (‘KrKw’)]	cc ambulance van	s. Einheits-PKW Phänomen Granit 25H Steyr 640, 1500A Adler W-61K Daimler-Benz L1000, L1500E Ford G917, G987, 997, V3000S, V3000A
42	Sammler-Kw	generator / accumulator / battery van	Krupp L3-M42
	Sammlerwerkstatt-Kw	generator repair van	m. LKW (o.)
	Nachrichtenwerkstatt-Kw	signals repair van	
	Werkstatt-Kw	workshop van	
43	Flakauswert-Kw	anti-aircraft evaluation van	
44	Sauer- und Stickstoff-Erzeugungs-Kw	Oxygen and Nitrogen generation van	
51	Werkstatt-Kw	workshop van	m. LKW (o.) s. LKW (o.)

NOTES:

The early armored cars (*Kraftfahrzeug 13* and *14*) were obviously not soft-skinned vehicles. It is not clear why they were included within this listing and not in the special military motor vehicle (*Sonderkraftfahrzeug*) listing.

GERMAN NUMBERED MOTORIZED SOFT-SKINNED VEHICLES

Kfz.	German Nomenclature	Description	Makes & Models
61	gr Nachrichten-Kw gr Schlüssel-Kw gr Funk-Kw gr Funkbetriebs-Kw gr Fernsprechbetriebs-Kw gr Fernschreib-Kw gr Verstärker-Kw gr Peil-Kw gr Meßtrupp-Kw	large cc signal van large cc code van large cc radio van large cc radio operations van large cc telephone operations van large cc telex van large cc amplifier van large cc sound-ranging equipment van large cc calibration section van	Einheits-Diesel Daimler-Benz G-3a, LG 3000 Büssing-NAG G-31, G500A, G500S, 4500S, 4500A Magirus M-206, M-30, S3000, A3000 Borgward G.W., B3000S, B3000A
61/1	gr Funk-Kw	large cc radio van	
62	gr Nachrichten-Kw gr Fernsprechbetriebs-Kw gr Funk-Kw gr Wetter-Kw gr Druckerei-Kw gr Schall-Aufnahme-Kw gr Schall-Auswertungs-Kw gr Vermessung-Auswertungs-Kw gr Licht-Auswertungs-Kw gr Stabs-Auswertungs-Kw	large cc signals van large cc telephone operations van large cc radio van large cc weather van large cc printing van large cc sound recording van large cc sound evaluation van large cc calibration evaluation van large cc flash evaluation van large cc evaluation command van	
63	gr Nachrichten-Kw gr Meß-Stellen- und Gerät-Kw gr Vermessungs-Gerät-Kw gr Lichtmeß-Stellen-Kw gr Lichtmeß-Gerät-Kw gr Schallmeß-Stellen-Kw gr Schallmeß-Gerät-Kw gr Vorwarner-Kw gr Vermessungsgerät-Kw	large cc signals van large cc calibration station and equipment van large cc calibration equipment van large cc flash ranging station van large cc flash ranging equipment van large cc sound ranging station van large cc sound ranging equipment van large cc advanced warning equipment van large cc calibration equipment van	
68	Funkmast-Kw Fernsprech-Kw	cc radio antenna van cc telephone carrier	Einheits-Diesel Krupp L2H-43, L2H-143 Magirus M-206 Opel Blitz A
68/1	Funkmast-Kw	cc radio antenna van	
69	Protz-Kw	cc prime-mover for light guns	s. Einheits-PKW
70	Mannschafts-Kw	cc personnel carrier	Krupp L2H-43, L2H-143
71	Truppen-Luftschutz-Kw s Truppenluftschutz-Kw	cc anti-aircraft carrier heavy cc anti-aircraft carrier	Mercedes-Benz L1500A
72	Fernsprechbetriebs-Kw Fernsprech-Vermittlungs-Kw Fernschreib-Kw Fernschreib-Vermittlungs-Kw Verstärker-Kw Funk-Kw (a & b) Funkbetriebs-Kw Funkhorch-Kw Befehls-Kw Druckerei-Kw m Wetter-Kw	cc telephone operations van cc telephone exchange van cc telex van cc telex exchange van cc amplifier van cc radio van cc radio operations van cc radio interception van cc command van cc printing van cc weather van	Henschel 33-D1 Magirus 33-G1 Krupp L3H-63, L3H-163 Büssing-NAG III GL6
72/1	Fernschreib-Kw	cc telex van	
74	Flak-Meßtrupp-Kw I & II	cc anti-aircraft calibration section van	
76	Beobachtungs-Kw	cc observation carrier	Daimler-Benz G-3a
77	Feldkabel-Kw Fernsprech-Kw Fernsprechbau-Kw	cc field cable carrier cc telephone carrier cc telephone construction carrier	Büssing-NAG G-31 Magirus M-206
79	Werkstatt-Kw	cc workshop van	Henschel 33-D1 Magirus 33-G1 Krupp L3H-63, L3H-163
81	le Flak-Kw	cc prime-mover for light anti-aircraft guns	s. Einheits-PKW
83	le Scheinwerfer-Kw I & II	cc prime-mover for light searchlights, with generator	Krupp L2H-42, L2H-143
92	Mannschaft-Entgiftungs-Kw	cc personnel decontamination van	Henschel 33-D1, 33-G1
93	Bekleidungs-Entgiftungs-Kw	cc clothing decontamination van	
94	Wasser-Kw (Kessel)	cc decontamination van (hot water shower)	
95	Kammer-Kw	unit stores van	m. LKW (o.)
100	Drehkran 3 – 5 ton	3 – 5-ton revolving crane on cc carrier	s. gl. LKW (4,5-ton)

Abbreviations and Definitions:

“Carrier”	indicates an open vehicle, covered by a canvas top.
“Truck”	indicates a cargo vehicle with an open payload area, covered by a canvas top.
“Van”	indicates a cargo vehicle with a fully or partially enclosed payload area (body).
“Prime-Mover”	indicates a vehicle for towing equipment, usually modified and adapted for that equipment.
“Sedan”	indicates a passenger vehicle (car) with a closed body.
“Cabrio”	indicates an open passenger vehicle (car) covered by a canvas top.
“cc”	indicates a vehicle with cross-country capability.

A	<i>Allrad</i> : all-wheel-drive version. (Makers identification).
S	<i>Steuerermässigt</i> : (taxed reduced) qualified for 33% motor vehicle tax reduction, introduced as incentive to increase demand for off-road capable trucks.
(o.)	<i>(ohne handelsüblich)</i> : commercial vehicle.
Kfz.	<i>Kraftfahrzeug</i> : commercially available chassis and drive train with military body.
Sd.Kfz.	<i>Sonderkraftfahrzeug</i> : specially military body and chassis.
le. / lei.	<i>leicht</i> : light
m.	<i>mittler</i> : medium
s.	<i>schwer</i> : heavy
LKW	<i>Lastkraftwagen</i> : load (cargo) motor vehicle (truck or van)
PKW	<i>Personenkraftwagen</i> : personnel (passenger) motor vehicle (car)
gl.	<i>geländegängig</i> : cross-country
Kw.	<i>Kraftwagen</i> : motor vehicle
kl.	<i>klein</i> : small/light
gr.	<i>gross</i> : large/heavy
gp.	<i>gepanzert</i> : armored
wg.	<i>wassergängig</i> : amphibious
schw.	<i>schwimmfähig</i> : amphibious (alternate)

GERMAN SPECIAL MILITARY VEHICLES

Sd.Kfz. No.	German Designation « German Abbreviation »	Description Main Armament [Ammunition carried]
2	Kleines Kettenrad « KK »	0.5-ton light halftrack n/a
2/1	Kleines Kettenrad (Feldfernkabel) « KK (FFK) »	0.5-ton halftrack with telephone cable n/a
2/2	Kleines Kettenrad (schwere Feldfernkabel) « KK (s. FFK) »	0.5-ton halftrack with heavy telephone cable n/a
3	Gleisketten-Lastkraftwagen 2-ton (Maultier) « 2-ton Maultier »	halftracked 2-ton truck n/a
3/4	Gleisketten-Lastkraftwagen 2-ton (Maultier) (Krankenwagen) « 2-ton Maultier (KrKw) »	halftracked 2-ton ambulance n/a
3/5	Gleisketten-Lastkraftwagen 4.5-ton (Maultier) « 4.5-ton Maultier »	halftracked 4.5-ton truck n/a
4	Gleisketten-Lastkraftwagen 3-ton (Maultier) gepanzert (Munitionskraftwagen) « gep. Maultier (muni) »	armored halftracked truck for ammunition transport [transports 20 150mm rockets]
4/1	15cm Panzerwerfer 43 « Pz.Werf. 43 »	armored halftracked truck with rocket launcher 150mm rocket launcher (10 tubes) [20]
6	mittlerer Zugkraftwagen 5-ton (Pionier-Ausführung) « m. Zgkw. 5t (Pion. Ausf.) »	5-ton halftrack (engineer version) n/a
6/1	mittlerer Zugkraftwagen 5-ton (Artillerie-Ausführung) « m. Zgkw. 5t (Artl. Ausf.) »	5-ton halftrack (artillery version) n/a
6/2	3,7cm Flak 36 auf Fahrgestell m. Zugkraftwagen 5-ton « 3,7cm Flak (Sfl) auf lei. Zgkw. 5 t »	self-propelled medium antiaircraft gun on 5-ton halftrack 37mm Flak 18 or 36 [?]
7	mittlerer Zugkraftwagen 8-ton « m. Zgkw. 8t »	8-ton halftrack n/a
7/1	2cm Flakvierling auf Fahrgestell mittlerer Zugkraftwagen 8-ton « 2cm Flakvierl. (Sf) auf Zgkw. 8t »	self-propelled light quad antiaircraft gun on 8-ton halftrack 20mm quad Flak38 L/112.5 [600]
7/2	3,7cm Flak 36 /Sfl) auf Fahrgestell mittlerer Zugkraftwagen 8-ton « 2cm Flakvierl. (Sf) auf Zgkw. 8t »	self-propelled antiaircraft gun on 8-ton halftrack 37mm Flak 36 L/98 [?]
7/6	mittlerer Zugkraftwagen 8-ton (Flakmess) « Zgkw. 8t Flak-Mess »	8-ton halftrack for antiaircraft calibration equipment n/a
8	schwerer Zugkraftwagen 12-ton « s. Zgkw. 12t »	12-ton halftrack n/a
8	8,8cm Flak (Sf) auf gepanzertem Zugkraftwagen 12-ton « 8,8cm Flak (Sf) auf gep. Zgkw. 12t »	self-propelled heavy antiaircraft gun on armored halftrack 88mm Flak L/56 [40]
9	schwerer Zugkraftwagen 18-ton « Zgkw. 18t »	18-ton halftrack n/a
9/1	schwerer Drehkranwagen (Hebekraft 6 ton) « s. Drehkran (6 t) »	18-ton halftrack with 6-ton revolving crane (manufactured by Bilstein) n/a
9/2	schwerer Drehkranwagen (Hebekraft 10 ton) « s. Drehkran (10 t) »	18-ton halftrack with 10-ton revolving crane (manufactured by Demag) n/a
10	leichter Zugkraftwagen 1-ton « lei. Zgkw. 1t »	1-ton halftrack n/a
10/1	leichter Gasspürwagen « lei. Zgkw. (Gas-Spür) »	1-ton halftrack, light gas detection vehicle with sprinkler n/a
10/2	leichter Entgiftungskraftwagen « lei. Zgkw. (Entg.) »	1-ton halftrack, light decontamination vehicle n/a
10/3	leichter Sprühkraftwagen « lei. Zgkw. (Sprüh) »	1-ton halftrack, light bulk decontamination vehicle n/a
10/4	2cm Flak (Sf) auf Fahrgestell leichter Zugkraftwagen 1-ton « 2cm Flak (Sf) auf lei. Zgkw. 1t »	self-propelled light antiaircraft gun on 1-ton halftrack 20mm Flak 30 L/112.5 [280]
10/5	2cm Flak (Sf) auf gepanzertem Fahrgestell leichter Zugkraftwagen 1-ton « 2cm Flak (Sf) auf gp. lei. Zgkw. 1t »	self-propelled light antiaircraft gun on armored 1-ton halftrack 20mm Flak 38 L/112.5 [280]
11	leichter Zugkraftwagen 3-ton « lei. Zgkw. 3t »	3-ton halftrack n/a
11/1	Nebelkraftwagen « m. Zgkw. (Nebel) »	3-ton halftrack for towing rocket launchers n/a [10,5cm Nbl.W. 35: 80 rockets; 15cm Nbl.W. 41: 36 rockets; 28/32cm Nebelwerfer 41: 12 rockets plus launching frames]
11/2	mittlerer Entgiftungskraftwagen « m. Zgkw. (Entg.) »	3-ton halftrack, medium decontamination vehicle n/a
11/3	mittlerer Sprühkraftwagen « m. Zgkw. (Sprüh) »	3-ton halftrack, medium chemical spraying vehicle (bulk decontamination) n/a

GERMAN SPECIAL MILITARY VEHICLES

Sd.Kfz. No.	---German Designation « German Abbreviation »	Description Main Armament [Ammunition carried]
11 /4	Nebelkraftwagen « m. Zgkw. (Nebel) »	3-ton halftrack for towing 15cm rocket launchers n/a [15cm Nbl.W. 41: 36 rockets; 21cm Nbl.W. 42: 10 rockets; 28/32cm Nebelwerfer 41: 4 rockets]
11 /5	Nebelkraftwagen « m. Zgkw. (Nebel) »	3-ton halftrack for towing 21cm rocket launchers n/a [15cm Nbl.W. 41: 36 rockets; 21cm Nbl.W. 42: 10 rockets]
35	Bergepanzer « Berge-Pz. »	armored recovery vehicle (T-34 or KV-I w/o turret) n/a
101	Panzerkampfwagen I « Pz. I »	light tank 2 MG 13 [1525 – 2250]
–	Panzerkampfwagen I, Ausf. F (n.A. verstärkt) « Pz. I, n.A. »	light tank, reinforced armor, Model F 2 MG 34 [2250]
–	4,7cm Pak(t)(Sf) auf Fahrgestell Panzerkampfwagen I « 4,7cm Pak(t) auf Pz-I; [also 4,7cm(t) (mot S)] »	self-propelled antitank gun on Pz-I chassis 47mm Pak(t) L/43.4 [86]
–	15cm sIG 33 auf Panzerkampfwagen I, Ausf. B « 15cm sIG33 auf Pz-I; [also 15cm sIG (mot S)] »	self-propelled heavy infantry gun on Pz-I chassis 150mm L/43.4 [?]
–	Pionier-Panzerwagen I « Pion-Pz. I »	Engineer vehicle (without turret) on Pz-I chassis n/a
111	Munitionsschlepper auf Fahrgestell Panzerkampfwagen I « Muni-Schlepper auf Pz-I »	armored ammunition carrier based on Pz-I chassis varied, depending upon ammunition type carried
121	Panzerkampfwagen II « Pz. II »	light tank 20mm KwK 30 L/55 [180]
122	Flamm-Panzer-II « Fl.Pz. II »	flame throwing tank on Pz-II basis [320 liters flame oil]
123	Panzerspähwagen II (Luchs 2cm) « lei. Pz-Späh. Wg. Luchs »	light, fully tracked recon tank on Pz-II basis 20mm KwK 38 L/55 [330]
123	Panzerspähwagen II (Luchs 5cm) « lei. Pz-Späh. Wg. Luchs »	light, fully tracked recon tank on Pz-II basis 50mm KwK L/60 [33]
124	lei. FH 18/2 Selbstfahrlafette auf Pz-II (Wespe) « Wespe »	self-propelled light field howitzer on Pz-II basis 105mm le FH 18/2 [32]
–	Munitions-Selbstfahrlafette auf Pz-II (Wespe) « Muni. Wespe »	armored ammunition carrier for Wespe on same chassis [transports 90 light field howitzer rounds]
–	Geschützwagen II für 15cm sIG « 15cm sIG (sfl) »	self-propelled heavy infantry gun 150mm L/43.4 [30]
–	Pionier-Panzerwagen II « Pion-Pz. II »	Engineer vehicle (without turret) on Pz-II chassis n/a
131	Panzer-Selbstfahrlafette für 7,5cm Pak 40/2 auf Fahrgestell Panzerkampfwagen II « Marder II; [also 7,5cm Pak 40 (Sf) auf Pz-II; also Pz Sf 2] »	self-propelled antitank gun on Pz-II chassis 75mm Pak L/43 [37]
132	Panzer-Selbstfahrlafette für 7,62cm Pak 36(r) auf Fahrgestell Panzerkampfwagen II « Marder II; [also 7,62cm Pak 36(r)(Sf) auf Pz-II; also Pz Sf 1] »	self-propelled antitank gun on Pz-II chassis (Models D and E) 76.2mm Pak(r) L/51.5 [30]
135	75mm Pak auf Lorraine-Schlepper (Marder I) « Marder I »	self-propelled heavy antitank gun on Lorraine basis 75mm s FH Pak 40/1 [?]
135 /1	s. FH 13/1 Selbstfahrlafette auf Lorraine-Schlepper « s.FH (sfl) auf Lorraine »	self-propelled heavy field howitzer on Lorraine basis 150mm s FH 13/1 [8]
–	Panzerkampfwagen 35 (t) « Pz-35(t) »	Czech medium tank (designation changed from LTM 35 on 16.01.40) 37mm A33 L/42 [72]
–	Panzerbefehlswagen 35 (t) « Pz-Bef-Wg 35(t) »	Czech medium command tank 37mm A33 L/42 [?]
–	Mörserwagen 35 (t) « Mörs.Wg. 35(t) »	tracked prime mover for heavy mortar on Czech medium tank basis n/a
–	Zugkraftwagen 35 (t) « Zgkw. 35(t) »	tracked prime mover based on Czech medium tank n/a
–	Panzerkampfwagen 38(t), Ausführung A – G « Pz-38(t) »	Czech medium tank (designation changed from LTM 38 on 16.01.40) 37mm A7 L/42 [90]
–	Panzerbefehlswagen 38(t) « Pz-Bef-Wg 38(t) »	Czech medium command tank 37mm A7 L/42 [?]
138	Panzerjäger 38(t), Ausf. H für 7,5cm Pak « Marder III »	self-propelled antitank gun on Pz-38(t) chassis 75mm Pak 40/3 L/48 [38]
138	Panzerjäger 38(t), Ausf. M für 7,5cm Pak « Marder III »	self-propelled antitank gun on Pz-38(t) chassis 75mm Pak 40/3 L/48 [27]
138	Munitionsfahrzeug für 15cm s.IG selbstfahrlafette « Muni. Fahrzeug für 15cm s.IG Sfl »	armored ammunition carrier for Bison on same chassis [transports 40 infantry gun rounds]

GERMAN SPECIAL MILITARY VEHICLES

Sd.Kfz. No.	German Designation « German Abbreviation »	Description Main Armament [Ammunition carried]
138/1	s.IG auf Selbstfahrlafette 38(t) « s.IG (sfl) <i>Grille</i> »	self-propelled heavy infantry gun on Pz-38(t) chassis 150 sIG 33/1 L/11 [15]
138/2	Jagdpanzer 38 « <i>Hetzer</i> »	light tank destroyer on Pz-38(t) basis 75mm Pak 39 L/48 [41]
–	Flammpanzer 38 « Flamm-Pz 38 »	flame tank based on <i>Hetzer</i> hull [700 liters flame oil]
–	Bergepanzer 38 « Berge-Pz 38 »	recovery tank based on <i>Hetzer</i> hull n/a
–	15cm schwerer Infanteriegeschütz 33/2 auf Jagdpanzer 38 « 15cm sIG 33/2 auf PzJg 38(t) »	self-propelled heavy infantry gun based on <i>Hetzer</i> hull 150mm sIG 33/2 [?]
139	Panzerjäger 38(t) für 7,62cm Pak 36(r) « <i>Marder III</i> »	self-propelled antitank gun on Pz-38(t) chassis 76.2mm Pak(r) L/51.5 [30]
140	Flakpanzer 38 « Flak-Pz-38 »	Self-propelled anti-aircraft gun based on Czech Pz-38(t) 20mm Flak 38 [540]
140/1	Aufklärungspanzer 38(t) (2cm) « Aufkl-Pz-38(t) (2cm) »	Czech reconnaissance tank based on Pz-38(t) 20mm KwK 38 [108]
140/1	Aufklärungspanzer 38(t) (7,5cm) « Aufkl-Pz-38(t) (7,5cm) »	Czech reconnaissance support tank based on Pz-38(t) 75mm KwK 37 L/24 [?]
141	Panzerkampfwagen III, Ausführung A – G « Pz. III (3,7cm) »	medium tank, Models A – G 37mm KwK 35/36 L/45 [120]
141	Panzerkampfwagen III, Ausführung H – J « Pz. III (5cm); [also Pz-III (kz)] »	medium tank, Models H – J 50mm KwK L/42 [99]
141/1	Panzerkampfwagen III, Ausführung J – L « Pz. III (5cm); [also Pz-III (lg)] »	medium tank, Model J – L 50mm KwK L/60 [84 – 78]
141/2	Panzerkampfwagen III, Ausf. M – N « Pz. III (7,5cm) »	medium tank, Models M – N 75mm KwK 37 L/24 [84 – 64]
141/3	Flammpanzer III « Flamm-Pz. III »	medium flame-throwing tank [1020 liters flame oil]; MG [3750]
–	SturmInfanteriegeschütz 33B « St. Inf. Gesch. 33 »	self-propelled, armored heavy infantry gun on Sturmgeschütz basis 150mm Stu IG L/11 [30]
142	7,5cm Sturmgeschütz 40, Ausführung A – D « Sturmgeschütz III [also: Stu. Gesch. III] »	assault gun, Model A – D 75mm StuK 37 L/24 [44]
142	7,5cm Sturmgeschütz 40, Ausführung E « Sturmgeschütz III [also: Stu. Gesch. III] »	assault gun, Model E 75mm StuK 37 L/24 [50]
142	7,5cm Sturmgeschütz 40, Ausführung F « Sturmgeschütz III [also: Stu. Gesch. III] »	assault gun, Model F 75mm StuK 37 L/24 [44]
142/1	7,5cm Sturmgeschütz 40, Ausführung F8 – G « Sturmgeschütz III [also: Stu. Gesch. III] »	assault gun, Model F8 – G 75mm StuK40 L/43 [54]
142/2	7,5cm Sturmhaubitze, Ausführung F – G « Sturmhaubitze III [also: Stu. Haub. III] »	assault howitzer, Model F – G 105mm StuH 42 L/28 [36]
143	Panzer-Beobachtungswagen III « Pz. Beob. Pz. III »	armored artillery observation tank MG [2100]
161	Panzerkampfwagen IV, Ausführung A – F ₁ « Pz. IV [also: Pz-IV(kz)] »	medium tank, Models A – F ₁ 75mm KwK 37 L/24 [80]
161/1	Panzerkampfwagen IV, Ausführung F ₂ – G « Pz. IV [also: Pz-IV(lg)] »	medium tank, Models F ₂ – G 75mm KwK 40 L/43 [87]
161/2	Panzerkampfwagen IV, Ausführung H – J « Pz. IV [also: Pz-IV(lg)] »	medium tank, Models H – J 75mm KwK 40 L/48 [87]
161/3	Flakpanzer-IV « Flak-Pz 3,7cm [<i>Ostwind</i>] »	anti-aircraft tank 37mm Flak 43 L/98 [400]
161/4	Flakpanzer-IV « Flak-Pz 2cm-Vierling [<i>Wirbelwind</i>] »	anti-aircraft tank 20mm quad Flak 38 [1000]
–	Panzer-Flak Sfl IV « Pz-Flak IV [<i>Möbelwagen</i>] »	anti-aircraft tank 37mm Flak 43 L/98 [416]
162	7,5cm Pak 39 auf Fahrgestell Panzerkampfwagen IV « Jagdpanzer IV »	self-propelled heavy antitank gun on Pz-IV basis 75mm Pak 39 L/48 [79]
162/1	7,5cm StuK 42 auf Fahrgestell Panzerkampfwagen IV, Ausführung A « Panzer-IV/70 (A) »	tank destroyer on Pz-IV basis 75mm StuK 42 L/70 [55]
162/1	7,5cm StuK 42 auf Fahrgestell Panzerkampfwagen IV, Ausführung V « Panzer-IV/70 (V) »	tank destroyer on Pz-IV basis 75mm StuK 42 L/70 [55]

GERMAN SPECIAL MILITARY VEHICLES

Sd.Kfz. No.	German Designation « German Abbreviation »	Description Main Armament [Ammunition carried]
163	7,5cm Sturmgeschütz IV « Sturmgeschütz IV [also: StuG IV] »	assault gun based on Pz-IV 75mm StuK40 L/48 [63]
164	8,8cm Pak 43/1 auf Fahrgestell Panzerkampfwagen III/IV (Hornisse) « Hornisse; [as of 1944: Nashorn] »	self-propelled heavy antitank gun on mixed Pz-III/IV basis 88mm Pak 43/1 L/71 [40]
165	s. Panzerhaubitze 18/1 auf Fahrgestell III/IV (Hummel) « Hummel »	self-propelled heavy field howitzer on mixed Pz-III/IV basis 150mm sFH 18/1 [18]
–	Munitionsfahrzeug für 15cm s. IG selbstfahrlafette « Muni. Fahrzeug für 15cm s.IG Sfl »	armored ammunition carrier for Hummel on same chassis [transports 60 heavy field howitzer rounds]
165 /1	leichte Feldhaubitze (Sfl)/Geschützwagen IVb « leFH (sfl) »	self-propelled light field howitzer on Pz-IV basis 105mm leFH 18/1 [60]
166	s. IG auf Panzerkampfwagen-IV Fahrgestell (Sturmpanzer) « Stu-Pz IV [aka <i>Brummbär</i>] »	armored, self-propelled heavy infantry gun on Pz-IV chassis 150mm StuH 43 L/12 [38]
–	10,5cm Kanone 18 auf Panzer-Selbstfahrlafette IVa « 10,5cm K18 auf Pz-Sfl IVa »	self-propelled gun on Pz-IV chassis 105mm StuK 18/1 L/52 [25]
171	Panzerkampfwagen V (Panther), Ausführung D, A « Panther »	medium tank, Models D and A 75mm KwK 42 L/70 [79]
171	Panzerkampfwagen V (Panther), Ausführung G « Panther »	medium tank, Models G 75mm KwK 42 L/70 [82]
173	Jagdpanzer V « Jagdpanther »	tank destroyer on <i>Panther</i> basis 88mm Pak 43/3 L/71 [57]
179	Bergepanther « Berge-Pz-V »	armored recovery vehicle on <i>Panther</i> basis 20mm KwK 38 [?]
181	Panzerkampfwagen VI (Tiger I), Ausführung E « Tiger I »	heavy tank, Model E 88mm KwK 36 L/56 [92]
–	Panzer-Mörser 38cm auf VI (Tiger) « Sturmiger »	self-propelled heavy rocket launcher on Pz-VI(I) chassis 380mm rocket launcher [12]
182	Panzerkampfwagen VI (Tiger II), Ausführung B « Tiger II [aka <i>Königtiger</i>] »	heavy tank 88mm KwK 43 L/71 [72–84]
184	Panzerjäger Tiger (P) für 8,8cm Pak 43 (Ferdinand) « Ferdinand; [later <i>Elefant</i>] »	self-propelled, heavy antitank gun on prototype Pz-VI chassis 88mm StuK 43/1 L/71 [55]
186	schwere Panzerjäger, Ausführung B « Jagdtiger »	heavy tank destroyer 128mm Pak 44 L/55 [40]
221	leichter Panzerspähwagen (MG) « le. Pz-Späh. Wg. (MG) »	light armored car (4x4) MG [1020]
221	leichter Panzerspähwagen (schwere Panzerbüchse 41) « le. Pz-Späh. Wg. (sPzBü 41) »	light armored car (4x4) 28mm sPzBü 41 [180]
222	leichter Panzerspähwagen (2cm) « le. Pz-Späh. Wg. (2cm) »	light armored car (4x4) 20mm KwK 38 L/55 [180]
223	leichter Panzerspähwagen (Funk) « le. Pz-Späh. Wg. (Fu) »	light armored radio car (4x4) MG [1050]
231	schwerer Panzerspähwagen (2cm)(6-Rad) « s. Pz-Späh. Wg. (2cm) »	heavy armored car (6x4) 20mm KwK 30 L/55 [200]
232	schwerer Panzerspähwagen (Funk)(6-Rad) « s. Pz-Späh. Wg. (Fu) »	heavy armored radio car (6x4) 20mm KwK 30 L/55 [200]
231	schwerer Panzerspähwagen (2cm)(8-Rad) « s. Pz-Späh. Wg. (2cm) 8-Rad »	heavy armored car (8x8) 20mm KwK 30 L/55 [180]
232	schwerer Panzerspähwagen (Funk)(8-Rad) « s. Pz-Späh. Wg. (Fu) 8-Rad »	heavy armored radio car (8x8) 20mm KwK 30 L/55 [180]
233	schwerer Panzerspähwagen (7,5cm)(8-Rad) « s. Pz-Späh. Wg. (7,5cm) 8-Rad »	heavy armored radio car (8x8) 75mm StuK 37 L/24 [32]
234 /1	schwerer Panzerspähwagen (2cm) « Pz-Späh. Wg. (2cm) »	heavy armored car (8x8) 20mm KwK 30 L/55 [250]
234 /2	schwerer Panzerspähwagen (5cm) « Pz-Späh. Wg. (2cm) [aka <i>Puma</i>] »	heavy armored car (8x8) 50mm KwK 39/1 L/60 [55]
234 /3	schwerer Panzerspähwagen (7,5cm) « Pz-Späh. Wg. (7,5cm) »	heavy armored car (8x8) 75mm K-51 L/24 [50]
234 /4	schwerer Panzerspähwagen (7,5cm Pak) « Pz-Späh. Wg. (7,5cm Pak) »	heavy armored car (8x8) 75mm Pak 40 [12]
247	schwerer geländegängiger gepanzerter Personenkraftwagen (4-Rad) « s. gl. gep. PKW »	heavy armored staff car (4x4) n/a
247	schwerer geländegängiger gepanzerter Personenkraftwagen (6-Rad) « s. gl. gep. PKW »	heavy armored staff car (6x4) n/a

GERMAN SPECIAL MILITARY VEHICLES

Sd.Kfz. No.	German Designation « German Abbreviation »	Description Main Armament [Ammunition carried]
250 /1	leichter Schützenpanzerwagen « le. SPW »	light armored halftrack, personnel carrier MG [2010]
250 /1	leichter Schützenpanzerwagen « le. SPW »	light armored halftrack, heavy machine gun section carrier MG [2010]
250 /2	leichter Fernsprechpanzerwagen « le. Fe. Pzgw. »	light armored halftrack, telephone & wire carrier MG [1100]
250 /3	leichter Funkpanzerwagen « le. Fu. Pzgw. »	light armored halftrack, radio carrier MG [1100]
250 /4	leichter Beobachtungs-Panzerwagen « le. Beob. Pzgw. »	light armored halftrack, observation vehicle MG [1100]
250 /5	leichter Beobachtungspanzerwagen « le. Beob. Pzgw. »	light armored halftrack, observation vehicle MG [2010]
250 /5	leichter Aufklärungspanzerwagen « le. Beob. Pzgw. »	light armored halftrack, reconnaissance vehicle MG [2010]
250 /6	leichter Munitionspanzerwagen « le. Muni. Pzgw. »	light armored halftrack, ammunition carrier MG [1100] [transports 70 L/24 or 60 L/43 rounds]
250 /7(I)	leichter Schützenpanzerwagen (schwere Granatwerfer) « le. SPW (Gr Wfr) »	light armored halftrack, mortar carrier 81mm mortar [42]
250 /7(II)	leichter Schützenpanzerwagen (Munitionsfahrzeug) « le. SPW (Muni) »	light armored halftrack, 81mm mortar ammunition carrier MG [2010] [transports 66 mortar rounds]
250 /8	leichter Kanonenpanzerwagen (7,5cm) « le. SPW (2cm) »	light armored halftrack, support vehicle 75mm KwK 51 L/24 [20]
250 /9	leichter Schützenpanzerwagen (2cm) « le. SPW (2cm) »	light armored halftrack, reconnaissance vehicle 20mm KwK 38 [100]
250 /10	leichter Schützenpanzerwagen (3,7cm Pak) « le. SPW (3,7cm) »	light armored halftrack, Platoon Leader vehicle 37mm Pak L/45 [216]
250 /11	leichter Schützenpanzerwagen (schwere Panzerbüchse 41) « le. SPW (sPzBü 41) »	light armored halftrack, Platoon Leader vehicle 28mm PzBü 41 [168]
250 /11	leichter Messtrupp-Auswertungs-Panzerwagen « le. Mess-Trupp-Pzgw. »	light armored halftrack, Calibration Section vehicle MG [1040]
251 /1	mittlerer Schützenpanzerwagen « m. SPW »	medium armored halftrack, personnel carrier MG [2010]
251 /2	mittlerer Schützenpanzerwagen (Granatwerfer) « m. SPW (Gr Wfr) »	medium armored halftrack, mortar carrier 81mm mortar [66]
251 /3	mittlerer Funkpanzerwagen « m. Fu. Pzgw. »	medium armored halftrack, radio carrier MG [2010]
251 /4	mittlerer Schützenpanzerwagen (Infanteriegeschütz) « m. SPW (IG) »	medium armored halftrack, light IG prime-mover MG [1100] [transports 120 rounds of 75mm ammo]
251 /5	mittlerer Pionierpanzerwagen « m. Pion. Pzgw. »	medium armored halftrack, engineer vehicle MG [4800]
251 /6	mittlerer Kommandopanzerwagen « m. Pion. Pzgw. »	medium armored halftrack, command vehicle MG [1100]
251 /7	mittlerer Pionierpanzerwagen « m. Pion. Pzgw. »	medium armored halftrack, engineer vehicle MG [4800]
251 /8	mittlerer Krankenpanzerwagen « m. Kranken-Pzgw. »	medium armored halftrack, ambulance n/a
251 /9	mittlerer Schützenpanzerwagen (7,5cm) « m. SPW (7,5cm) »	medium armored halftrack, self-propelled light gun 75mm KwK 37 L/24 [32]
251 /10	mittlerer Schützenpanzerwagen (3,7cm Pak) « m. SPW (3,7cm) »	medium armored halftrack, Platoon Leader vehicle 37mm Pak L/45 [168]
251 /10	mittlerer Schützenpanzerwagen (sPzBü) « m. SPW (sPzBü) »	medium armored halftrack, Platoon Leader vehicle 28mm sPzBü 41 L/28/20 [168]
251 /11	mittlerer Fernsprech-Panzerwagen « m. SPW (Fe) »	medium armored halftrack, telephone cable-laying vehicle MG [1100]
251 /12	mittlerer Meßtrupp- und Gerät-Panzerwagen « m. Meßtrupp Pzgw. »	medium armored halftrack, Calibration Section equipment vehicle MG [1100]
251 /13	mittlerer Schallaufnahme-Panzerwagen « m. Schall-Aufnahme-Pzgw. »	medium armored halftrack, sound recording vehicle MG [1100]
251 /14	mittlerer Schallauswerte-Panzerwagen « m. Schall-Auswerte-Pzgw. »	medium armored halftrack, sound ranging vehicle MG [1100]

GERMAN SPECIAL MILITARY VEHICLES

Sd.Kfz. No.	German Designation « German Abbreviation »	Description Main Armament [Ammunition carried]
251 /15	mittlerer Lichtauswerte-Panzerwagen « m. Licht-Auswerte-Pzwg. »	medium armored halftrack, sound flash ranging vehicle MG [1100]
251 /16	mittlerer Flamm-Panzerwagen « m. SPW (Flamm) »	medium armored halftrack, with 2 pivoted flame throwers 80 bursts of 2 – 3 seconds (700 liters flame oil); MG [2100]
251 /17	mittlerer Flak-Panzerwagen « m. SPW (2cm) »	medium armored halftrack, self-propelled light anti-aircraft gun 20mm Flak 38 [600]
251 /18	mittlerer Beobachtungs-Panzerwagen « m. Beob.-Pzwg. »	medium armored halftrack, observation vehicle MG [1100]
251 /19	mittlerer Fernsprech.Betriebs-Panzerwagen « m. Fs.Betr.-Pzwg. »	medium armored halftrack, telephone operations vehicle MG [1100]
251 /20(I)	mittlerer Panzerwagen (Uhu) « m. Pzwg. (Uhu) »	medium armored halftrack, infrared projector vehicle MG [1100]
251 /20(II)	mittlerer Panzerwagen (Falke) « m. Pzwg. (Falke) »	medium armored halftrack, infrared viewer vehicle MG [1100]
251 /21	mittlerer Panzerwagen (MG 151/15 Drilling) « m. SPW (MG 1,5cm) »	medium armored halftrack, self-propelled light anti-aircraft gun 15mm triple MG 151/15 [3000]
251 /21	mittlerer Panzerwagen (MG 151/20 Drilling) « m. SPW (MG 2cm) »	medium armored halftrack, self-propelled light anti-aircraft gun 20mm triple MG 151/20 [3000]
251 /22	mittlerer Panzerwagen (7,5cm Pak) « m. SPW (7,5cm Pak) »	medium armored halftrack, self-propelled anti-tank gun 75mm Pak 40 L/48 [22]
251 /23	mittlerer Panzerwagen (2cm Flak) « m. SPW (2cm Flak) »	medium armored halftrack, self-propelled light anti-aircraft gun 20mm KwK 38 L/55 [180]
252	leichter gepanzerter Munitionswagen « le. gep. Muni-Wg. »	light armored halftrack, ammunition carrier MG [1020]
253	leichter gepanzerter Beobachtungswagen « le. gep. Beob. Wg. »	light armored halftrack, observation vehicle MG [1100]
254	mittlerer gepanzerter Beobachtungswagen « m. gep. Beob. Wg. »	medium armored wheeled/tracked observation vehicle MG [1100]
260	kleiner Panzerfunkwagen « kl. Pz. Fu. Wg. »	light armored radio car (4x4) n/a
261	kleiner Panzerfunkwagen « kl. Pz. Fu. Wg. »	light armored radio car (4x4) n/a
263	schwerer Panzerfunkwagen « s. Pz. Fu. Wg. »	heavy armored radio car (6x4) MG [1020]
266	Panzerbefehlswagen « gr. Pz-Bef-Wg. »	command tank based on Pz-III, Pz-IV, Pz-V, or Pz-VI MG [1500]
267	Panzerbefehlswagen « gr. Pz-Bef-Wg. »	command tank based on Pz-III, Pz-IV, Pz-V, or Pz-VI MG [1500]
268	Panzerbefehlswagen « gr. Pz-Bef-Wg. »	command tank based on Pz-III, Pz-IV, Pz-V, or Pz-VI MG [1500]
300	Minenräumwagen B-I & B-II « Minenräum-Wg. »	tracked mineclearing vehicle, Model B-I & B-II n/a
301	schwere Ladungsträger B-IV « B-IV »	tracked, remote-controlled demolition vehicle, Model B-IV n/a
302	Leichte Ladungsträger Goliath, Ausf. A « Goliath »	tracked, remote-controlled demolition vehicle, Model A (electric) n/a
303	Leichte Ladungsträger Goliath, Auf. B « Goliath »	tracked, remote-controlled demolition vehicle, Model B (gasoline) n/a
304	mittlere Ladungsträger « Springer »	tracked, remote-controlled demolition vehicle n/a

Notes:

For the sake of completeness, this list includes the unnumbered vehicles belonging to the same family of vehicles.

GERMAN SPECIAL MILITARY TRAILERS AND MILITARY TRAILERS

German Trailers

Besides the numbered trailers listed below, there were also trailers without numbers. These were identified by load factor, number of axles, open or covered, and/or purpose. Furthermore, upon mobilization, the German military requisitioned trailers from the civilian sector. These trailers were strictly for use by road-bound units, and only found in rear-echelon units where they provided a valuable increase in transportation capacity. There were even trailers built specifically for towing horse drawn equipment with motor vehicles.

A few military horse-drawn vehicles (wagons and carts) were modified for towing by motor vehicles by the addition of wheel and parking brakes, rubber-rimmed or even pneumatic tires, rear lights, and towing arrangements.

Some horse-drawn wagon and carts were issued with towing bars allowing them to be towed by motor vehicles.

It was not unusual, specially in the non-motorized units, that unmodified horse-drawn vehicles be towed by motor vehicles. Naturally at comparatively low speeds.

Although many combat units had trailers for guns, ammunition, components of heavy guns, generators, bridging equipment, etc., convoy speed of all vehicles was reduced when towing trailer, and maneuverability was hampered off-road. However, the expense of motor vehicles made the use of trailers an attractive alternative.

<i>Sd.Anh.-Sonder Anhänger</i>	<i>Special Trailers with numbers</i>
Sd.Anh. 1 (1 Achsig) für kleines Kettenkrad	trailer (1 axle) for Kettenkrad
Sd.Anh. 1/1 (1 Achsig) für kleines Kettenkrad	trailer (1 axle) for Kettenkrad
Sd.Anh. 1/2 (1 Achsig) für kleines Kettenkrad für schweres Feldkabel	trailer (1 axle) for Kettenkrad, with heavy telephone field cable.
Sd.Anh. 3 (1 Achsig) für leichte Lasten	trailer (1 axle) for transporting light artillery guns (7,5cm leFK 16 and 10,5cm leFH 16)
Sd.Anh. 4 (1 Achsig) für mittlere und schwere Lasten	trailer (1 axle) for transporting medium and heavy artillery guns (15cm sFH 13)
Sd.Anh. 5 (1 Achsig) für Artilleriemunition	trailer (1 axle) for artillery ammunition
Sd.Anh. 7 (1 Achsig) für Munition (Nbl. Wfr.)	trailer (1 axle) for Nebelwerfer ammunition
Sd.Anh. 8 (1 Achsig) für Veterinärgerät	trailer (1 axle) for veterinary equipment
Sd.Anh. 11 (1 Achsig) für Entseuchung mit Brausevorrichtung	trailer (1 axle) for decontamination with showers
Sd.Anh. 13 (1 Achsig) für M-Boot (100 PS MB 41)	trailer (1 axle) for motorboat (100 HP Type MB 41)
Sd.Anh. 14 (1 Achsig) für Abschleppzwecke	trailer (1 axle) for motor vehicle towing and recovery
Sd.Anh. 15 (1 Achsig) für Fährseil	trailer (1 axle) for winch
Sd.Anh. 20 (1 Achsig) für Erdkabel	trailer (1 axle) for underground telephone cable
Sd.Anh. 21 (2 Achsig) für Fernsprechbau	trailer (1 axle) for telephone construction
Sd.Anh. 22 (1 Achsig) Azetylen-Erzeugeranhängen	trailer (1 axle) for generator for Acetylene gas
Sd.Anh. 23 (1 Achsig) für Sammlerladegerät D	trailer (1 axle) for Generator Type D for recharging batteries
Sd.Anh. 23/1 (1 Achsig) für Maschinensatz 220/65V; 4,5/1,3 Kw	trailer (1 axle) for Generator 220/65 Volt, 4.5/1.3 Kw
Sd.Anh. 24 (1 Achsig) für Maschinensatz I	trailer (1 axle) for Generator Type I
Sd.Anh. 24 (1 Achsig) für Maschinensatz A (Drehstrom 15k VA)	trailer (1 axle) for Generator Type A for 15k AC
Sd.Anh. 25 (1 Achsig) für Feldfernkabel	trailer (1 axle) for heavy telephone field cable
Sd.Anh. 25/1 (1 Achsig) für Maschinensatz F	trailer (1 axle) for Generator Type F
Sd.Anh. 25/2 (1 Achsig) für Nachrichtengerät	trailer (1 axle) for signal equipment
Sd.Anh. 25/3 (1 Achsig) Beleuchtungsanhänger N	trailer (1 axle) for Lighting Equipment Type N
Sd.Anh. 25/4 (1 Achsig) Nachschubanhänger	trailer (1 axle) for supply
Sd.Anh. 25/3 (1 Achsig) Beleuchtungsanhänger N	trailer (1 axle) for lighting equipment
Sd.Anh. 26 (1 Achsig) für Führungsfernkabel	trailer (1 axle) for command telephone heavy cable
Sd.Anh. 28 (1 Achsig) für Peilanhänger (für Peiltrupp (LMW))	trailer (1 axle) for direction finder of a Direction Finding Section
Sd.Anh. 29 (1 Achsig) für gepanzerten Munitionsschlepper	trailer (1 axle) for ammunition (for armored ammunition carrier)
Sd.Anh. 30 (1 Achsig) Wassertankanhänger	trailer (1 axle) for water tank
Sd.Anh. 31 (1 Achsig) für Munition Type A	trailer (1 axle) for ammunition Type A
Sd.Anh. 31/1 (1 Achsig) für Munition (7,5cm StuK 40)	trailer (1 axle) for ammunition for 7.5cm Assault Gun Model 40
Sd.Anh. 32 (1 Achsig) für Munition (3,7cm Pak)	trailer (1 axle) for ammunition for 3,7cm Antitank Gun
Sd.Anh. 32/1 (1 Achsig) für Munition (7,5cm)	trailer (1 axle) for ammunition for 7,5cm
Sd.Anh. 32/2 (1 Achsig) für Munition (s. Pz Bü 41)	trailer (1 axle) for ammunition for heavy antitank rifle Model 41
Sd.Anh. 32/3 (1 Achsig) für s. Pz Bü 41 auf leichte Feldlafette	trailer (1 axle) for heavy antitank rifle Model 41 on light field carriage
Sd.Anh. 33 (1 Achsig) für Nebelwerfermunition	trailer (1 axle) for ammunition (rocket launcher)
Sd.Anh. 34 (1 Achsig) für Entgiftungsanhänger	trailer (1 axle) for decontamination
Sd.Anh. 35 (1 Achsig) für Teigknetanhänger	trailer (1 axle) for dough mixer
Sd.Anh. 36 (1 Achsig) für leichten Ladungsschlepper	trailer (1 axle) for remote control vehicle (Goliath)
Sd.Anh. 40 (1 Achsig) Panzerbergeanker als Anhänger	trailer (1 axle) for tank recovery anchor
Sd.Anh. 46 (1 Achsig) schmalspurig	trailer (1 axle) with narrow wheel spacing
Sd.Anh. 51 (1 Achsig) Beleuchtungsanhänger (Vermessungstrupp (mot))	trailer (1 axle) for electricity generator in enclosed body for Calibration Detachment
Sd.Anh. 51 (1 Achsig) für 2cm Geschütz 30 mit Munition- und Zubehörkasten	trailer (1 axle) for 2cm antiaircraft gun Model 30 with ammo and equipment boxes
Sd.Anh. 51 (1 Achsig) für Scheinwerfer 60cm mit Zubehörkasten	trailer (1 axle) for 60cm antiaircraft searchlight with equipment boxes
Sd.Anh. 51 (1 Achsig) für 2cm Flak 38 mit Munition- und Zubehörkasten	trailer (1 axle) for 20mm antiaircraft gun Model 38 with ammo and equipment boxes
Sd.Anh. 52 (1 Achsig) für 2cm Flak Vierling 38/1 mit Munition- und Zubehörkasten	trailer (1 axle) for 2cm quad antiaircraft gun Model 38/1 with ammo and equipment boxes
Sd.Anh. 52 (1 Achsig) für 3,7cm Flak 36/37 mit Munition- und Zubehörkasten	trailer (1 axle) for 3.7cm antiaircraft gun Model 36/37 with ammo and equipment boxes
Sd.Anh. 52 (1 Achsig) für Kommando-Gerät 40	trailer (1 axle) for antiaircraft fire direction computer Model 40
Sd.Anh. 53 (1 Achsig) für Kommando-Hilfsgerät 35	trailer (1 axle) for antiaircraft auxiliary fire direction computer Model 35
Sd.Anh. 54 (1 Achsig) für Kinotheodolit für Flakmess-Auswerte-Zug	trailer (1 axle) for antiaircraft optical tracking computer for Calibration Evaluation Platoon
Sd.Anh. 55 (1 Achsig) für V ^o -Messgerät Flak	trailer (1 axle) for antiaircraft muzzle velocity calibration equipment
Sd.Anh. 56 (1 Achsig) für 2cm Flak mit Munition- und Zubehörkasten	trailer (1 axle) for 2cm quad antiaircraft gun with ammo and equipment boxes
Sd.Anh. 56 (1 Achsig) für 2cm Flakvierling 38/1 mit Munition- und Zubehörkasten	trailer (1 axle) for 2cm quad antiaircraft gun Model 38/1 with ammo and equipment boxes
Sd.Anh. 57 (1 Achsig) für 3,7cm Flak mit Munition- und Zubehörkasten	trailer (1 axle) for 3.7cm antiaircraft gun with ammo and equipment boxes
Sd.Anh. 58 (1 Achsig) für 3,7cm Flak 43 mit Munition- und Zubehörkasten	trailer (1 axle) for 3.7cm antiaircraft gun Model 43 with ammo and equipment boxes
Sd.Anh. 58 (1 Achsig) für 3,7cm Flak 43/1 mit Munition- und Zubehörkasten	trailer (1 axle) for 3.7cm antiaircraft gun Model 43/1 with ammo and equipment boxes
Sd.Anh. 101 (2 Achsig) für Flakhorchgerät	trailer (2 axle) for antiaircraft sound tracking equipment
Sd.Anh. 101 (2 Achsig) für mittleren Flak-Maschinensatz	trailer (2 axle) for antiaircraft generator for sound tracking equipment
Sd.Anh. 102 (2 Achsig) für Flak-Scheinwerfer 110cm	trailer (2 axle) for antiaircraft searchlight (110cm)
Sd.Anh. 102 (2 Achsig) für Flak-Maschinensatz	trailer (2 axle) for antiaircraft generator for searchlight (110cm)
Sd.Anh. 103 (2 Achsig) für mittlere und schwere Lasten	trailer (2 axle) for medium and heavy cargo
Sd.Anh. 104 (2 Achsig) für 150cm Flak-Scheinwerfer	trailer (2 axle) for 150cm antiaircraft searchlight
Sd.Anh. 104 (2 Achsig) für Maschinensatz 24 Kw für 150cm Flak-Scheinwerfer	trailer (2 axle) for generator Model 24Kw for 150cm antiaircraft searchlight
Sd.Anh. 104 (2 Achsig) für Sperrballonwinde	trailer (2 axle) for winch for antiaircraft barrage ballon
Sd.Anh. 104 (2 Achsig) für Funkmessgerät 39 TD	trailer (2 axle) for antiaircraft radar Model 39TD
Sd.Anh. 104 (2 Achsig) für 3,7cm Flak 18	trailer (2 axle) for 3.7cm antiaircraft gun Model 18
Sd.Anh. 104 (2 Achsig) für Kommandogerät 36	trailer (2 axle) for antiaircraft fire direction computer Model 36
Sd.Anh. 104 (2 Achsig) für Richtung-Richtungshörer (RRH)	trailer (2 axle) for antiaircraft sound tracking equipment
Sd.Anh. 105 (2 Achsig) Backanhänger	trailer (2 axle) for baking oven
Sd.Anh. 106 (2 Achsig) Backanhänger	trailer (2 axle) for baking oven
Sd.Anh. 107 (2 Achsig) Grosskühlbehälteranhänger	trailer (2 axle) for refrigeration
Sd.Anh. 108 (2 Achsig) für S-Boot (Pionier-Strumboot 39)	trailer (2 axle) for three assault boats (Engineer Assault Boat Model 39)

GERMAN SPECIAL MILITARY TRAILERS AND MILITARY TRAILERS

Sd.Anh. 109	(2 Achsig) leichter Vermessungsanhänger	trailer (2 axle) for light calibration equipment
Sd.Anh. 111	(2 Achsig) schwerer Vermessungsanhänger	trailer (2 axle) for heavy calibration equipment
Sd.Anh. 113	(3 Achsig) für Langerät (8 ton)	trailer (3 axle) for cargo, long (8ton)
Sd.Anh. 115	Tiefhladeanhänger für PzKfpWg 10-12 ton	trailer (2 axle) low boy (also: low bed) for armored vehicles (10 – 12 ton)
Sd.Anh. 116	Tiefhladeanhänger für PzKfpWg 22 ton	trailer (4 axle) low boy (also: low bed) for armored vehicles (22 ton)
Sd.Anh. 119	(2 Achsig) für 100 PS-Motorboot	trailer (2 axle) for motorboat (100 HP Type MB 41)
Sd.Anh. 120	(2 Achsig) für 250 PS-Motorboot	trailer (2 axle) for motorboat (250 HP Type MB 42)
Sd.Anh. 121	Tiefhladeanhänger für PzKfpWg 65 ton	trailer (6 axle) low boy (also: low bed) for armored vehicles (65 ton)
Sd.Anh. 127	(2 Achsig) Mastanhänger	trailer (2 axle) for mast antenna
Sd.Anh. 141	(2 Achsig) für Pionier-Landungs-Fahrzeug 20-ton	trailer (2 axle) for engineer landing vehicle (20ton)
Sd.Anh. 201	(2 Achsig) für 8,8cm Flak	trailer (2 axle) for 8.8cm antiaircraft gun
Sd.Anh. 202	(2 Achsig) für 8,8cm Flak 37/37	trailer (2 axle) for 8.8cm antiaircraft gun Model 36/38
Sd.Anh. 202	(2 Achsig) für 8,8cm Flak 41	trailer (2 axle) for 8.8cm antiaircraft gun Model 41
Sd.Anh. 203	(2 Achsig) für 10,5cm Flak 38/39	trailer (2 axle) for 10.5cm antiaircraft gun Model 38/39
Sd.Anh. 203	(2 Achsig) für Fahrgerüst für schwere 12,8cm Flak (o)	trailer (2 axle) for mobilizing the static, heavy 12.8cm antiaircraft gun
Sd.Anh. 203	(2 Achsig) Transportbrücke für 12,8cm Flak-Zwilling	trailer (2 axle) for 12.8cm twin antiaircraft gun
Sd.Anh. 204	(2 Achsig) für 5cm Flak 41	trailer (2 axle) for 5cm antiaircraft gun Model 41
Sd.Anh. 204	(2 Achsig) für 200cm Flak-Scheinwerfer	trailer (2 axle) for 200cm antiaircraft searchlight
Sd.Anh. 204	(2 Achsig) für Maschinensatz für 200cm Flak-Scheinwerfer	trailer (2 axle) for generator for 200cm antiaircraft searchlight
Sd.Anh. 204	(2 Achsig) für Maschinensatz 60 kW	trailer (2 axle) for generator Model 60Kw
Sd.Anh. 204	(2 Achsig) für Sperrballonwinde	trailer (2 axle) for winch for barrage balloon
Sd.Anh. 205	(2 Achsig) Rohrwagen für 10,5cm Flak	trailer (2 axle) for barrel wagon for 10.5cm antiaircraft gun
Sd.Anh. 206	(2 Achsig) für 5,5cm Flak 58	trailer (2 axle) for 5.5cm antiaircraft gun Model 58
Sd.Anh. 206	(2 Achsig) für 3,7cm Flak-Zwilling 43	trailer (2 axle) for 3.7cm dual antiaircraft gun Model 43
Sd.Anh. 206	(2 Achsig) für 200cm Flak-Scheinwerfer 44	trailer (2 axle) for 200cm antiaircraft searchlight Model 44
Sd.Anh. 206	(2 Achsig) für Maschinensatz 120 kW	trailer (2 axle) for generator Model 120Kw
Sd.Anh. 206	(2 Achsig) für Funkmessgerät	trailer (2 axle) for antiaircraft radar
Sd.Anh. 206	(2 Achsig) für Flakrakete H3 117 "Schmetterling"	trailer (2 axle) for antiaircraft rocket Model Hs 117 "Schmetterling" (Butterfly)
Sd.Anh. 220	(4 Achsig) für Funkmessgerät	trailer (4 axle) for radar system
Sd.Anh. 220	(4 Achsig) für 12,8cm Flak 40/1	trailer (4 axle) for 12.8cm antiaircraft gun Model 40/1
Sd.Anh. 301	(1 Achsig) für Tankspritze	trailer (1 axle) for fire engine equipment (auxiliary for the fire engine)
Sd.Anh. 302	(1 Achsig) für Schlauchtender	trailer (1 axle) for mobile fire fighting (for independent operation)
Sd.Anh. 319	für Fla-Rakete "Wasserfall"	trailer for antiaircraft rocket "Wasserfall" (Waterfall)
Sd.Anh. 322	für A2 (o) 7,5-ton mit geschlossenem Aufbau	trailer for rocket A2 (o) with enclosed body (7.5 ton)
Sd.Anh. 322/2	für Landescheinwerfer (Gl 1500)	trailer for 1500cm landing searchlight Model Gl 1500
Sd.Anh. 322/3	für Landescheinwerfer (HgLL 1500)	trailer for 1500cm landing searchlight Model Hg LL 150
Sd.Anh. 350	für B2 (3-ton) (o) mit geschlossenem Aufbau	trailer B2 with enclosed body (civilian type)(3-ton)
Sd.Anh. 350/7	Fernsprechvermittlungs-Anhänger	telephone exchange trailer
Sd.Anh. 350/32	Leuchtfeueranhänger	generator trailer for airfield beacons
Sd.Anh. 350/33	Leuchtfeueranhänger	generator trailer for airfield beacons
Sd.Anh. 350/32	Prüf- und Wartungs-Anhänger für Bordfunk- und Peilgerät	trailer for maintenance and testing of aircraft radio and radar equipment
Sd.Anh. 350/43	Prüf- und Wartungs-Anhänger für Bordfunk- und Peilgerät	trailer for maintenance and testing of aircraft radio and radar equipment
Sd.Anh. 350/?	Anhänger B2 für Ladestation FR	trailer B2 with enclosed body (civilian type)(3-ton) for battery charger for V2 rocket units
Sd.Anh. 363	für B3 (4,5-ton) (o) mit geschlossenem Aufbau	trailer B3 with enclosed body (civilian type)(4.5-ton)
Sd.Anh. 363/1	für B3 (4,5-ton) (o) für Bildbearbeitung	trailer B3 with enclosed body (civilian type)(4.5-ton) for photograph production Type I
Sd.Anh. 363/2	für B3 (4,5-ton) (o) für Bildbearbeitung	trailer B3 with enclosed body (civilian type)(4.5-ton) for photograph production Type II
Sd.Anh. 401	(1 Achsig) Feldküche als Anhänger	trailer (1 axle) mobile field kitchen ("Gulaschkanone")
Sd.Anh. 422	(1 Achsig) Navigations-Funkpeilanhänger	trailer (1 axle) for direction finding equipment for navigation
Sd.Anh. 447	(2 Achsig) Navigations-Funkpeilanhänger	trailer (2 axle) for direction finding equipment for navigation
Sd.Anh. 450	(2 Achsig) Tragflächen 6 Meter	trailer (2 axle) for transporting wings (6 meters)
Sd.Anh. 451	(2 Achsig) Tragflächen 10 Meter	trailer (2 axle) for transporting wings (10 meters)
Sd.Anh. 450	(2 Achsig) Tragflächen 6 Meter	trailer (2 axle) for wings (6 meters)
Sd.Anh. 454	(2 Achsig) Flugbetriebsstoffkessel-Anhänger	trailer (2 axle) bowser for aircraft fuel
Sd.Anh. 458	(2 Achsig) Waffenabwurfgerät-Anhänger	trailer (2 axle) for bomb transport
Sd.Anh. 459	(2 Achsig) Waffenabwurfgerät-Anhänger	trailer (2 axle) for bomb transport
Sd.Anh. 469	(2 Achsig) Fernschreib-Anschlussanhänger	trailer (2 axle) with enclosed body for telephone switchboard
Sd.Anh. 470	(2 Achsig) Funkanhänger (Kurz- /Langwelle)	trailer (2 axle) with enclosed body for short and medium wave radio station
Sd.Anh. 471	(2 Achsig) Betriebs-Funkempfängeranhänger	trailer (2 axle) with enclosed body for radio receiver operation station
Sd.Anh. 472	(2 Achsig) leichter Leuchtfeueranhänger	trailer (2 axle) with enclosed body light generator for airfield beacons
Sd.Anh. 473	(2 Achsig) mittlerer Leuchtfeueranhänger	trailer (2 axle) with enclosed body medium generator for airfield beacons
Vsah. = Versuchsanhänger	Experimental Trailers	
Vsah. 642	Tiefhladeanhänger für Panzerkampfwagen	medium tank transport trailer
Vsah. 654	Tiefhladeanhänger für Panzerkampfwagen	light tank transport trailer
Anhänger	Trailers without numbers	
(1 Achsig) Anhänger-Fahrgestell 900 kg	trailer (1 axle) chassis (900 kilos)	
(1 Achsig) Anhänger-Fahrgestell 1500 kg Baumuster 41	trailer (1500 axle) chassis Model 41 (1500 kilos)	
(1 Achsig) Anhänger-Fahrgestell 1900 kg	trailer (1 axle) chassis (1900 kilos)	
(1 Achsig) Anhänger-Fahrgestell gl. 500 kg	trailer (1 axle) chassis cross-country capable (500 kilos)	
(1 Achsig) Anhänger-Fahrgestell gl. 900 kg	trailer (1 axle) chassis cross-country capable (900 kilos)	
(1 Achsig) Anhänger-Fahrgestell gl. 1500 kg	trailer (1 axle) chassis cross-country capable (1500 kilos)	
(1 Achsig) Anhänger-Fahrgestell gl. 2200 kg	trailer (1 axle) chassis cross-country capable (2200 kilos)	
(1 Achsig) Anhänger A1 (0,5 t), offen (o)	trailer (1 axle) Model A1, civilian type, open (500 kilos)	
(1 Achsig) Anhänger A1 (0,5 t), offen (o) als Schlauchhaspel für Kfz. 346	trailer (1 axle) Model A1, civilian type, open (500 kilos), for hoses, towed by Kfz. 346	
(1 Achsig) Anhänger mit geschlossenem Aufbau (o) für Eisenbahn-Pionier	trailer (1 axle) civilian type, enclosed, for Railroad Engineers	
(1 Achsig) Anhänger mit geschlossenem Aufbau (o) für Kraftfahrzeug-Parkes	trailer (1 axle) civilian type, enclosed, for Motor Vehicle Parks	
(1 Achsig) Anhänger gl. für Einheitsbehälter für Kraftstoff	trailer (1 axle) cross-country capable, for standard fuel cans ("Jerry cans")	
(1 Achsig) Anhänger für 200-Liter Kraftstoff-Fass	trailer (1 axle) fuel barrel (200 liters)	
(1 Achsig) Anhänger für 2x 200-Liter Kraftstoff-Fass	trailer (1 axle) 2 fuel barrels (each 200 liters)	
(1 Achsig) Anhänger für Ladungswerfer	trailer (1 axle) for heavy spigot mortar of the engineers	
(1 Achsig) Anhänger für M.S. Boot (handelsüblichen Gerät) der Pioniere	trailer (1 axle) for civilian motor boat used by the engineers	
(1 Achsig) Anhänger mit Notstromaggregat 12kVA "Carfais" Diesel der Marine	trailer (1 axle) for diesel power generator "Carfais" for the Navy	
(1 Achsig) Anhänger mit Notstromaggregat 12kVA "Fimag" Bezin der Marine	trailer (1 axle) for gasoline power generator "Fimag" for the Navy	
(1 Achsig) Anhänger für schwere Panzerbüchse 41	trailer (1 axle) for heavy antitank rifle (PzBü 41)	

GERMAN SPECIAL MILITARY TRAILERS AND MILITARY TRAILERS

(1 Achsig) Anhänger für Rudegaszellen	trailer (1 axle) for gas bottles (gas used against mangle)
(1 Achsig) Anhänger fur Verschluss-Sachen der Vermessungs- und Karten-Einheiten	trailer (1 axle) enclosed, lockable, for confidential material of the surveying and mapping units
(1 Achsig) Anhänger offen (o) fur Veterinargerat fur Pferdellazarett	trailer (1 axle) civilian type, open, for veterinary equipment for veterinary hospital
(1 Achsig) Anhänger fur V2.Abschussplattform	trailer (1 axle) for firing platform for V2 rocket units
(1 Achsig) Diesel-Eisbereiter als Anhanger	trailer (1 axle) for diesel powered ice maker
(1 Achsig) Brennschluss-Antennen-Anhanger fur schiess Fernraketen-Batterien	trailer (1 axle) for antenna for establishing rocket-cut-off for V2 rocket units
(1 Achsig) Grosser Druckluftzerzeuger als Anhanger	trailer (1 axle) with large air compressor
(1 Achsig) Fallschirmjagerkarren als Anhanger fur das Kettenkrad	cart (1 axle) for Kettenkrad for Fallschirmjager (Parachute Infantry)
(1 Achsig) Grosse Feldkuche als Anhanger	trailer (1 axle) for mobile large field kitchen range
(1 Achsig) Festungskabeltottkarren	cart (1 axle) for Fortress Signal Troops, with sodering and other equipment
(1 Achsig) Festungskabelmesskarren	cart (1 axle) for Fortress Signal Troops, with calibration and other equipment
(1 Achsig) schweren Grabenpflug (Entgiftungspflug) als Anhanger	trailer (1 axle) heavy plow, originally for decontamination, but also used for entrenching
(1 Achsig) Handkarren fur leichten Ladungswerfer der Pioniere	hand cart (1 axle) for light spigot mortar of the engineers
(1 Achsig) kleiner Kabeltrommel-Anhanger fur Fernraketen-Einheit	trailer (1 axle) for light cable drums for V2 rocket units
(1 Achsig) Leitstrahl-Antennen-Anhanger fur FR-Einheit	trailer (1 axle) for guiding beam antenna for V2 rocket units
(1 Achsig) Leitstrahl-Kontroll-Anhanger fur FR-Einheit	trailer (1 axle) for guiding beam instrumentation for V2 rocket units
(1 Achsig) Lichtbogen-Schweissmaschinensatz auf Anhangerfahrgestell 1500 t	trailer (1 axle) arch welding equipment on chassis Model 41 (1500 kilos)
(1 Achsig) Maschinensatz 110/220 V 24 Kw als Anhanger fahrbar	trailer (1 axle) generator (110/220 Volts, 24 kW)
(1 Achsig) Maschinensatz 220 V 6,5 Kw als Anhanger fahrbar	trailer (1 axle) generator (220 Volts, 6.5 kW)
(1 Achsig) Maschinensatz 220 V (Wechselstrom) 15/18 KVA der Sanitatstruppe	trailer (1 axle) generator (220 Volts, AC, 15 kVA) for the Medical Troops
(1 Achsig) Maschinensatz 220/380 (Drehstrom) 30 Kw als Anhanger fahrbar	trailer (1 axle) generator (220/380 Volts, DC, 30 kVA)
(1 Achsig) Motorspritze als Anhanger fahrbar (o)	trailer (1 axle) motor water pump (civilian type)
(1 Achsig) Anhanger leichter Spruhanhanger	trailer (1 axle) light decontamination spray unit
(1 Achsig) Tragkraftspritzen-Anhanger (Tsga 8)(Bauart 1937)	trailer (1 axle) fire fighting equipment, including a portable water pump Type Tsga 8/37
(1 Achsig) Tragkraftspritzen-Anhanger (Tsga 8)(Bauart 1939)	trailer (1 axle) fire fighting equipment, including a portable water pump Type Tsga 8/39
(1 Achsig) Tragkraftspritzen-Anhanger (o)	trailer (1 axle) fire fighting equipment, civilian type, including a portable water pump
(1 Achsig) Troganhanger furEntgiftungskraftwagen (Kfz. 305/112) des S.H.D.	trailer (1 axle) for decontamination van of the S.H.D. ("Sicherheits- und Hilfedienst")
(1 Achsig) T-Stoff-Vorwarmer-Anhanger fur FR-Einheit	trailer (1 axle) for warming fuel (T-Staff = Hydrogensuperoxyd) for the V2 rocket units
(1 Achsig) Wasser-Anhanger 100 liter	trailer (1 axle) bowser for water (1000 liters)
(2 Achsig) Anhanger A2 Einheits-Anhanger 1 t offen (o)	trailer (2 axle) Standard Model A2, civilian type, open (1 ton)
(2 Achsig) Anhanger A2 als Schlauchhaspel fur Schlauchkraftwagen (Kfz. 346)	trailer (2 axle) Standard Model A2, civilian type, open (1 ton), for hoses, towed by Kfz. 346
(2 Achsig) Anhanger B2 Einheits-Anhanger 3 t offen (o)	trailer (2 axle) Standard Model B2, civilian type, open (3 ton)
(2 Achsig) Anhanger B2 mit Maschinensatz 220/380 V Drehstrom 60 Kw	trailer (2 axle) Standard Model B2, for generator (220/380 Volts, DC, 60 kVA)
(2 Achsig) Anhanger B3 Einheits-Anhanger 4,5 t offen (o)	trailer (2 axle) Standard Model B3, civilian type, open (4.5 ton)
(2 Achsig) Anhanger E5 Einheits-Anhanger 5 t offen (o)	trailer (2 axle) Standard Model E5, civilian type, open, (5 ton)
(2 Achsig) Anhanger E8 Einheits-Anhanger 8 t offen (o)	trailer (2 axle) Standard Model E8, civilian type, open, (8 ton)
(2 Achsig) Anhanger mit Anlage zum Nachfullen des Sauerstoffbedarf von Kampfflugzeuge	trailer (2 axle) for filling Oxygen into fighter planes
(2 Achsig) Anhanger (Langholz) fur 6 Auffahrtsschienen Bruckengerat 1.Z.	trailer (2 axle) for 6 ramps of Type 1.Z. bridge (long pole equipment)
(2 Achsig) Anhanger mit mittlerer Betriebsstoffkesselanlage (o) der Luftwaffe	trailer (2 axle) with medium boiler tank for aviation fuel
(2 Achsig) Anhanger mit schwererBetriebsstoffkesselanlage (o) der Luftwaffe	trailer (2 axle) with heavy boiler tank for aviation fuel
(2 Achsig) Anhanger mit Feldballonwinde 40 der Artillerie	trailer (2 axle) with winch for observation ballon Model 40 of the artillery
(2 Achsig) Anhanger mit Flakkommandogerat Hazemeyer der Marine	trailer (2 axle) with antiaircraft fire direction computer Model Hazemeyer
(2 Achsig) Anhanger mit 2cm-Flak auf Socketlafette	trailer (2 axle) for 2 cm antiaircraft gun Model 30 on pedestal base
(2 Achsig) Anhanger mit Kessel fur Flusssigsauerstoff fur Fernraketen	trailer (2 axle) with tank for Liquid Oxygen for V2 rocket units
(2 Achsig) Anhanger mit Kurbelmast 30m der Nachrichtentruppen	trailer (2 axle) with extendable antenna (30 meters) for the Signal Troops
(2 Achsig) Anhanger 1,5 t fur Raupenschlepper Ost	trailer (2 axle) for Raupenschlepper Ost (1.5 ton)
(2 Achsig) Anhanger fur Schleppboot 200 PS der Pioniere	trailer (2 axle) for towing boat (200 HP) of the Engineers
(2 Achsig) Anhanger schwimmfahig fur Land-Wasser-Schlepper (Kassbohrer)	trailer (2 axle) for the amphibious truck ("LWS")(made by Kassbohrer)
(2 Achsig) Entgiftungsgerate-Anhanger fur den Entgiftungsgeratekw. (Kfz. 305/12)	trailer (2 axle) for the decontamination equipment truck (Kfz. 305/12)
(2 Achsig) Kabeltrommel-Anhanger fur FR-Einheiten	trailer (2 axle) for cable drums for V2 rocket units
(2 Achsig) Kfz. Werkstatt-Kessel fur FR-Einheiten	trailer (2 axle) with motor maintenance shop for V2 rocket units
(2 Achsig) Landebahn-Leuchtanhanger	trailer (2 axle) for runway lighting
(2 Achsig) Luftverdichter-Anhanger fur FR-Einheiten	trailer (2 axle) for air compressor for V2 rockets
(2 Achsig) Omnibus-Anhanger (Kassebohrer Type P4 1939)	trailer (2 axle) for motor bus (bus Model P4 1939)(made by Kassebohrer)
(2 Achsig) Rohrwagen 40 fur 12,8cm Flak 40	trailer (2 axle) for 12,8cm antiaircraft gun barrel
(2 Achsig) Sagevollgater auf Anhanger	trailer (2 axle) for mobile buzzsaw
(2 Achsig) Scheinwerfer-Transportwagen fur Scheinwerfer G150 (alter Art)	trailer (2 axle) for 150cm searchlight Model G150 (old type)
(2 Achsig) Scheinwerfer-Transportwagen fur Scheinwerfer G110	trailer (2 axle) for 110cm searchlight Model G110
(2 Achsig) Strabo-Kran 16t als Anhanger	trailer (2 axle) for 16 ton collapsible crane (made by Strabo)
(2 Achsig) Tragflachen-Transportanhanger a & b (Bauart 39)	trailer (2 axle) for transport of aircraft wings Type a and b, Model 39
(2 Achsig) V2 Transport-Anhanger Vidal	trailer (2 axle) for transporting a V2 rocket (made by Vidal)
(2 Achsig) Wasserstoffverdichter-Anhanger 41+42	trailer (2 axle) for Hydrogen compression Model 41+42
(2 Achsig) Wasserstoffentwickler-Anhanger 40+41	trailer (2 axle) for Hydrogen developing Model 40+41
(3 Achsig) Anhanger 8 t fur 800 PS Motorboot 43	trailer (3 axle) (8 ton) for motor boat Model 53 (800 HP)
(3 Achsig) Anhanger offen (o) mit Nutzlast 11.000 kg	trailer (3 axle) cargo, civilian type, open (11 ton)
(3 Achsig) Anhanger mit 30-t Kran	trailer (3 axle) for 30-ton collapsible crane
(3 Achsig) Anhanger schwimmfahig mit Nutzlast von 10 t	trailer (3 axle) amphibious (10 ton)
(3 Achsig) Anhanger schwimmfahig mit Nutzlast von 20 t	trailer (3 axle) amphibious (20 ton)
(3 Achsig) Anhanger fur die Fernrakete A4 (V2) Fabrikat Meiller	trailer (3 axle) for transporting a V2 rocket (made by Meiller)
(4 Achsig) Anhanger fur schwere Lasten Culemeyer	trailer (4 axle) for heavy cargo (made by Culemeyer)
(6 Achsig) Anhanger fur schwere Lasten Culemeyer bis 60 t	trailer (6 axle) for heavy cargo (60 ton) (made by Culemeyer)
(6 Achsig) Anhanger fur schwere Lasten Gothaer Waggonfabrik bis 60 t	trailer (6 axle) for heavy cargo (60 ton) (made by Gothaer Waggonfabrik)
(Mehrachsig) Anhanger fur schwere Lasten bis 110 t	trailer (multi-axle) for heavy cargo (110 ton)
(Mehrachsig) Anhanger fur schwere Lasten bis 150 t	trailer (multi-axle) for heavy cargo (150 ton)
(Mehrachsig) Anhanger mit geschlossenem Aufbau fur Zinkdruckrotationspresse	trailers (multi-axle) with enclosed body for zincograph rotating printing press

Pf. = Pionierfahrzeuge	Engineer Vehicles
Pf. 10 (2 Achsig) Bockwagen	trailer (2 axle) for bridge tressels
Pf. 11 (2 Achsig) Pontonwagen	trailer (2 axle) for bridge pontoons
Pf. 12 (2 Achsig) Rampenwagen	trailer (2 axle) for bridge ramps
Pf. 13 (1 Achsig) fur M-Boot (100 PS MB 41)	trailer (1 axle) for motorboat (100 HP Type MB 41)

Note:

The designation of these four engineer trailers was a holdover from an earlier period; the old nomenclature was maintained, except that Pf. 13 is mentioned also as Sd.Anh. 13.

GERMAN HORSE-DRAWN VEHICLES: WAGONS – CARTS — SLEDS

Af	= Artilleriefahrzeuge	Artillerie Vehicles
Af 3	Munitionswagen 96 n.A.	ammunition limber Type 96 n.A.
Af ?	Munitionshinterwagen 96 n.A.	ammunition rear limber Type 96 n.A.
Af 4	Feldhaubitzen-Munitionswagen	field howitzer ammunition wagon 98
Af 5	schwerer Munitionswagen 02	heavy ammunition wagon 02
Af 7	Rohrwagen für 10cm K17	barrel wagon – 10cm Gun (K17)
Af 8	Rohrwagen für 15cm K16	barrel wagon – 15cm Gun (K16)
Af 12	Boebachtungswagen	artillery observation wagon
Af 14	Munitionswagen	ammunition wagon
Af 19	Rohrwagen für 10cm K18 oder sFH 18	barrel wagon – 10cm Gun or 15cm sFH
Af ?	Feldhaubitze	limber for field howitzer
Af ?	Munitionshunterwagen 98	ammunition rear limber Type 98
Af ?	Munitionswagen 38 für 7,5cm Feldkanone 38	ammunition limber for 7,5cm field gun
Af ?	Feldkanonenprotze für 7,5cm Feldkanone 38	limber for 7,5cm field gun 38
Af ?	leichte Feldhaubitze 98E	limber for light field howitzer 98E
Af ?	leichte Feldhaubitze 18	limber for light field howitzer 18
Af ?	leichte Feldhaubitze 18/40	limber for light field howitzer 18/40
Af ?	schwerer Feldhaubitzen-Munitionswagen	heavy field howitzer ammunition wagon

EF	= Ersatzfeldwagen	Replacement Field Wagon
EF40	Wirtschaftswagen	supply wagon

Hf	= Heeresfahrzeug	Army Vehicles
Hf 1	leichter Feldwagen (gefedert)	light field wagon (sprung)
used as	Verpflegungswagen	rations wagon
	Sanitätsträgerwagen	stretcher bearer wagon
	Packwagen	baggage wagon
	Veterinärmitelwagen	veterinary equipment wagon
	Schanzzeugwagen	entrenching equipment wagon
Hf 1/1	grosser Gefechtswagen	large combat wagon
used as	Nachrichtengerätwagen (gefedert)	signal equipment wagon (sprung)
	Pioniergerätwagen (gefedert)	engineer equipment wagon (sprung)
	Vermessungsgerätwagen (gefedert)	survey equipment wagon (sprung)
Hf 1/2	Handscheinwerferwagen (M)	hand held searchlight wagon
Hf 1/3	Handscheinwerferwagen (S)(gefedert)	hand held searchlight wagon (sprung)
Hf 1/4	Beobachtungs-Gerätwagen	observation equipment wagon
Hf 1/11	grosser Gefechtswagen	large combat wagon
used as	Nachrichtengerätwagen	signal equipment wagon
Hf 1/13	grosser Fahnenschmiedwagen	large farrier wagon
Hf 1/14	Packwagen für Feldschmiede	field forge wagon
Hf 1/14	Waffenmeisterwagen	armorer wagon
Hf 1/16	Bäckereigerät-Wagen	bakery equipment wagon
Hf 1/18	Truppensanitäts-Wagen	medical equipment wagon
Hf 2	schwere Feldwagen	heavy field wagon
used as	Gerätwagen	equipment wagon
	schwerer Gefechtswagen	heavy combat wagon
	Lastwagen	cargo wagon
	Munitionswagen	ammunition wagon
	Packwagen	baggage wagon
	Verpflegungswagen	rations wagon
	Vorratswagen	stores wagon
Hf 3	kleiner Feldwagen	small field wagon (600 kilo)
Hf 3/1	Nachrichtengerätwagen (gefedert)	signal wagon (sprung)
Hf 3/2	leichter Frenspchswagen (gefedert)	ligh telephone wagon (sprung)
Hf 3/11	kleiner Gefechtswagen	small combat wagon
Hf 3/12	kleiner Fahnenschmiedwagen	small farrier wagon
Hf 4	Gebirgskarren	mountain cart
Hf 7	Stahlfeldwagen (gefedert)	field wagon (steel)(sprung)
Hf 7/11	grosser Gefechtswagen (Stahlfeldwagen)	large combat wagon (steel)
Hf 7/13	grosser Fahnenschmiedwagen (Stahlfeldwagen)	large farrier wagon (steel)
Hf 7/14	Waffenmeisterwagen (Stahlfeldwagen)	armorer wagon (steel)
Hf 8	Bockwagen	tressel transport wagon
Hf 9	Pontonwagen	pontoon transport wagon
Hf 11	grosser Feldküche	large field kitchen
Hf 12	kleiner Feldküche	small field kitchen
Hf 13	grosser Feldküche	large field kitchen
Hf 14	kleiner Feldküche	small field kitchen
Hf ?	Munitionswagen	ammunition wagon
Hf ?	Vorratswagen	supply wagon
Hf ?	Sanitätswagen	medic wagon
Hf ?	Veterinärvorratswagen	veterinary supply wagon

GERMAN HORSE-DRAWN VEHICLES: WAGONS – CARTS — SLEDS

If	= Infanteriefahrzeuge	Infantry Vehicles
If 3	Maschinengewehr-Wagen (s) (2 sMG)	heavy machine gun wagon (2 HMG)
If 4	Maschinengewehr-Wagen (1) (2 sMG)	light machine gun wagon (2 HMG)
If 4	Gebirgskarre	mountain cart
If 5	Maschinengewehrwagen (Zwillingssockel)	machine gun wagon (with pedestal for dual MG)
If 6	Gefechtskarre für s Gr.Wfr. /m. Gr.Wfr.	medium & heavy mortar wagon
If 7	Maschinengewehrwagen (1 sMG)	machine gun wagon (1 HMG)
If 7/24	Maschinengewehrwagen (MG7/24 Schwarzlose)	machine gun wagon (for HMG 7/24 Scharzloser)
If 8	Tornister-Funktrupp-Wagen	pack radio wagon
If 9	Gefechtskarre	combat cart
If 9/1	Gefechtskarre für 8cm Granatwerfer	combat cart for 8cm mortar
If 9/1	Munitionskarre für 8cm Granatwerfer	ammunition cart for 8cm mortar
If 12	Beobachtungswagen	observation wagon
If 12/1	leichte Infantriegeschützprotze	limber for light infantry gun
If 14	Munitionswagen	ammunition wagon
If 15	Beobachtungswagen	observation wagon
If ?	Gebirgskarre für 3,7cm Pak	mountain cart for 3,7cm antitank gun
If ?	Granatwerferkarre mit Rahmen M.24/25	mortar cart with frames

Nf	= Nachrichtenfahrzeuge	Signal Vehicles
Nf 1	schwerer Fernsprechwagen	heavy telephone wagon
Nf 2	leichter Fernsprechwagen	light telephone wagon
Nf 4	kleiner Funkwagen	small radio wagon
Nf 5	kleinfunkwagen	small radio wagon
Nf 6	Funkwagen	radio wagon
Nf 7	Infanterie-Nachrichtenwagen	infantry signal wagon
Nf ?	Bauwagen 13	construction equipment wagon
Nf ?	Leiterwagen für Fernsprechrupp	ladder wagon for telephone section
Nf ?	Kastenwagen für Fernsprechrupp	equipment wagon for telephone section

Pf	= Pionierfahrzeuge	Engineer Vehicles
Pf 21	Flammenwerfer-Füllwagen	flamethrower refill wagon
Pf 22	Pionierhandkarren	engineer hand cart
Pf 25	Handkarren für leichten Landungswerfer	hand cart for light spigot mortar

Sf	= Sanitätsfeldwagen	Medical Field Wagons
Sf 1	Krankenwagen	ambulance wagon
Sf 2	Krankenwagen	ambulance wagon

Vf	= Fahrzeuge der Veterinärtruppen	Wagons for Veterinary Troops
Vf 1	Pferdetransportwagen	horse transport wagon

Vwf	= Fahrzeuge der Verwaltungstruppen	Wagons for Administration Troops
Vwf 1	Backofentransportwagen	oven transport wagon
Vwf 2	Teigknetwagen	dough mixer wagon
Vwf 3	Kraftquellenwagen	water pump wagon

Fahrzeuge ohne Numerierung	Wagons without Numbers
— Pleskau-Wagen I	Pleskau I (359 kilo) (1 horse team)
— Pleskau-Wagen II	Pleskau II (700 kilo) (2 horse team)
— Kutschwagen	carriage / coach
— grosser Feldwagen (t)	large Czech field wagon
— kleiner Feldwagen (t)	small Czech field wagon
— grosser Feldküche (t)	large Czech field kitchen
— kleiner Feldküche (t)	small Czech field kitchen
— Gebirgskarren M15 für Munition (t)	Czech mountain cart for ammunition

Hs	= Heeresschlitten	Army Sleds
Hs 1	Schlitten (300 Kg)	sled (300 Kilo) (single or tandem)
Hs 3	Schlitten (500 Kg)	sled (500 Kilo) (single or tandem)
Hs 3/1	Krankenschlitten	stretcher sled (single or tandem)
Hs 5	Schlitten (1000 Kg)	sled (1000 Kilo) (single or tandem)
Hs 41	zweispännige Schlitten	sled (dual)
Hs 42	zweispännige Schlitten	sled (dual)
Hs 43	zweispännige Schlitten	sled (dual)
Hs 61	einspännige Schlitten	sled (single)
Hs 62	einspännige Schlitten	sled (single)

GERMAN ARMY RANKS AND *STELLEGRUPPEN* (BILLET GROUPS)

This is only a simplified account of the German military personnel structure and hierarchy. Readers are warned that, as in all armies, they were in actual fact more complicated, with important differentiations being made between designations of rank, billet, function, and skill.

'Billet' indicates an appointment to (staffing of) a position – also called a 'slot' – like Squad Leader, Platoon Commander, Divisional Commander, Executive Officer, Supply Sergeant, etc. Confusingly, in some cases, the billet has the same designation as a rank, such as *Hauptfeldwebel*.

The equivalent Ranks given in English are neither completely World War II British nor American, and is not going to satisfy any specialist. (However a specialist would probably not be reading this anyway). Nearly all German officer ranks correspond to US Army ranks, although their terminology differs, a *Generalmajor* being the equivalent of a brigadier general. Modern US Army rank equivalents have some differences. There is one more enlisted rank (Command Sergeant Major), and one more Warrant Officer rank (Warrant Officer 3rd Class). US Army Warrant Officers are counted as officers, not enlisted men. In the German WWII Army, all ranks below 2nd Lieutenant were enlisted men.

The German Army divided officers billets into eight groups, depending on the function to be carried out. German wartime officer ranks were permanent, which often made it impossible for German officers to be promoted to the higher rank which their wartime billet would actually have warranted. For example, although a Captain normally staffed the billet of Company Commander, this was not always a rule. If there were not enough Captains then a senior member of a lower rank was assigned to that billet. Conversely, if there were too many of a higher rank than one or more might be assigned a lower ranking billet. Many Divisions were commanded by a Brigadier General - and even an occasional Colonel - instead of a Major General. Conversely, if a billet was particularly critical, a higher-ranking person might be assigned to that billet than would normally be the case. Skill was preferred to rank. Promotion was achieved by serving time. The function or billet filled as such was not a ground for promotion.

The enlisted men were divided into three billet groups: Senior Sergeants (*Unteroffiziere mit Portepee*) ('O' Group), Junior Sergeants (*Unteroffiziere ohne Portepee*) ('G' Group), and Other Ranks (*Mannschaften*) ('M' Group).

Enlisted members of the German Army had an 'Occupation' (*Laufbahn*), i.e. a career or field of specialty, like Infantry, Supply, Finance and so on. The occupation might be incorporated into the rank designation, such as *Beschlagschmiedobergefreiter*, a farrier (horseshoe smith) corporal; or even be used instead of the rank designations, such as *Beschlagmeister*, ('Farrier Master'), who was an expert farrier sergeant.

The highest combat leader position held by an enlisted man was that of platoon leader. However, this usually applied only to the third and fourth platoons. All other combat command positions were held by officers. Sergeants and Warrant Officers were in charge of logistics and administration, freeing the officers for their primary function of leading men into combat. It was not unusual for senior enlisted men to become involved in combat when the need arose, although the German Army considered it a waste of skilled manpower to use these highly trained and experienced men for this purpose.

German Tables of Organization (KStN – *Kriegsstärkenachweisungen*) had many notes indicating which billets and specialist slots were to be filled with what ranks and specialists, listing which billets had priority over others, which could alternatively be filled by a person with specialized knowledge or skill, and which billets should by preference be filled with regular army personnel.

Although it was expected to have rank and billet corresponding to each other, this was far from the case. Specialist personnel was rare and many units were raised in a hurry, not having enough time to acquire all its correct personnel. And once a unit entered combat, the chances of acquiring the exact, highly-skilled soldier for the correct position often became merely a matter of luck.

The German Wehrmacht also had a unique category of personnel within its ranks, namely the *Wehrmachtbeamten*, which can be loosely translated as Armed Forces Civil Servants or as Government Service Officials. They were found in administrative, legal, and technical service positions. They were civilians performing functions within the Armed Forces. Although they were not classified as soldiers, they wore uniforms identical with those of the Service branch they were serving with, albeit with different insignia. Their duties, at least at field and company level, could lead to armed encounters with enemy forces, and they were all armed with pistols.

Generals

Billet Group "A"

Commander-in-Chief / General Officer in an "A" Group
Oberbefehlshaber / General in A-Stelle
 Generalfeldmarschall General of the Army (Field Marshal)
 Generaloberst General

Billet Group "F"

Commanding General / General Officer in an "F" Group
Kommandierender General / General in F-Stelle
 General Lieutenant General
 der Infanterie of the Cavalry
 der Kavallerie of the Infantry
 der Artillerie of the Artillery
 der of the ...

Billet Group "D"

Divisional Commander / General Officer in a "D" Group
Divisionskommandeur / General in D-Stelle
 Generalleutnant Major General
 Generalstabsarzt Major General (Medical Corps)
 Generalstabs- Major General (...)

Billet Group "I"

Infantry, Artillery, or Brigade Commander / General Officer in an "I" Group
Infanterie-, Artillerie-, Brigadekommandeur / Offizier in I-Stelle
 Generalmajor Brigadier General
 Generalarzt Brigadier General (Medical Corps)
 General- Brigadier General (...)

Officers

Billet Group "R"

Regimental Commander / Officer in an "R" Group
Regimentskommandeur / Offizier in R-Stelle
 Oberst Colonel
 Oberstarzt Colonel (Medical Corps)
 Oberst- Colonel (...)

Billet Group "B"

Battalion Commander / Officer in a "B" Group
Abteilungs- bzw. Bataillonskommandeur / Offizier in B-Stelle
 Oberstleutnant Lieutenant Colonel
 Oberfeldarzt Lieutenant Colonel (Medical Corps)
 Oberfeld- Lieutenant Colonel (...)
 Major Major
 Oberstabsarzt Major (Medical Corps)
 Oberstabs- Major (...)

Billet Group "K"

Battery, Squadron, or Company Commander / Officer in a "K" Group
Batterie-, Schwadron- bzw. Kompanieführer / Offizier in K-Stelle
 Hauptmann Captain
 Rittmeister Captain (Cavalry Corps)
 Stabsarzt Captain (Medical Corps)
 Stabsveterinär Captain (Veterinary Corps)
 Stabsmusikmeister Captain (Band)
 Stabs- Captain (...)

Billet Group "Z"

Platoon Leader / Officer in a "Z" Group
Zugführer / Offizier in Z-Stelle
 Oberleutnant First Lieutenant
 Oberarzt First Lieutenant (Medical Corps)
 Obermusikmeister First Lieutenant (Band)
 Oberzahlmeister First Lieutenant (Paymaster Corps)
 Ober- First Lieutenant (...)
 Leutnant Second Lieutenant
 Assistenzarzt Second Lieutenant (Medical Corps)
 Musikmeister Second Lieutenant (Band)
 Assistenzzahlmeister Second Lieutenant (Paymaster Corps)
 Assistenz- Second Lieutenant (...)

Enlisted Men

Billet Group "O"

Senior Non-Commissioned Officer in an "O" Group
Oberfeldwebel (Unteroffiziere mit Portepee)
 Stabsfeldwebel Warrant Officer First Class
 Obermeister Warrant Officer 1st Class of a Technical Establishment
 Hauptfeldwebel Warrant Officer 2nd Class
 Hauptwachtmeister Warrant Officer 2nd Class (Cavalry, Artillery, AA, etc.)
 Oberfeldwebel Sergeant Major
 Oberwachtmeister Sergeant Major (Cavalry, Artillery, AA, etc.)
 Musikleiter Sergeant Major (Band)
 etc.
 Feldwebel First Sergeant
 Wachtmeister First Sergeant (Cavalry, Artillery, AA, etc.)
 Beschlagmeister Farrier First Sergeant
 Feuerwerker Ordnance First Sergeant
 Briefftaubenmeister Pigeon Postmaster
 etc.

Billet Group "G"

Non-Commissioned Officer in a "G" Group
Gruppenführer (Unteroffiziere ohne Portepee)
 Unterfeldwebel Staff Sergeant
 Unterwachtmeister Staff Sergeant (Cavalry, Artillery, AA, etc.)
 etc.
 Unteroffizier Sergeant
 Sanitätsunteroffizier Sergeant (Medical Corps)
 etc.
 Obergefreiter Corporal
 Sanitätsobergefreiter Corporal (Medical Corps)
 etc.

Billet Group "M"

Other Rank in an "M" Group
Mannschaft
 Gefreiter Private First Class
 Oberschütze Private 2
 Oberreiter Trooper First Class
 etc.
 Schütze Private 1 (infantryman)
 Grenadier Private (alternate designation for infantryman)
 Jäger Private (Mountain or Light Infantry)
 Pionier Engineer / Pioneer (Engineers)
 Fahrer Driver (usually of a horse-drawn vehicle)
 Kraftfahrer Driver (motor vehicle)
 Beschlagschmiedschütze Farrier (horse smith)
 Spielman Bandsman / Bugler
 etc.

GERMAN MILITARY PERSONNEL JOB DESCRIPTIONS

Abteilungsarzt	Battalion Physician	Melder	Messenger / Runner
Abteilungskommandeur	Battalion Commander	Meldereiter	Messenger (horse-mounted)
Abteilungsschreiber	Battalion Headquarters Clerk	Mitarbeiter	Assistant Clerk
Abteilungsveterinär	Battalion Veterinary Doctor	Motorschlosser	Motor Mechanic
Adjutant	Adjutant	Munitionskanonier	Ammunition Handler
Arzt	Physician	Munitionsschütze	Ammunition Handler
Auswerter	Plotter / Evaluator	Musiker	Bandsman
Autoschlosser	Motor Vehicle Mechanic	Musikmeister	Band Leader
Bataillonsarzt	Battalion Physician	Nachrichtenmechaniker	Signals Technician
Bataillonskommandeur	Battalion Commander	Nachrichtenoﬃzler	Signal Officer
Bataillonsveterinär	Battalion Veterinary Doctor	Nachrichtenunteroﬃzler	Signal NCO
Batterieführer	Battery Commander	Oﬃzler	Officer
Batterieoﬃzler	Firing Battery Commander	Ordnanzoﬃzler	Aid (-de-Camp) (officer)
Batterieschreiber	Battery Headquarters Clerk	Ordnanz	Orderly (enlisted)
Beamte	Armed Forces Civil Servant / Government Service Official / Civilian Employee in Military Service	Panzerbüchenschütze	Antitank Rifleman
Beobachter	Observer	Panzerelktromechaniker	Armored Vehicle Electrician
Beobachtungsoﬃzler	Observation Officer	Panzerelktroschweisser	Armored Vehicle Arc Welder
Beschlagschmied	Farrier / Horseshoe Smith	Panzerführer	Armored Vehicle Commander
Betreuungsoﬃzler	Entertainment Officer	Panzerfunkwart	Armored Vehicle Radio Repairman
Bootsmann	Boat Operator	Panzergetriebenschlosser	Armored Vehicle Drive Train Mechanic
Chef des Stabes	Chief of Staff	Panzerjägerführer	Antitank Vehicle Commander
Divisionionsarzt	Division Physician	Panzermotorschlosser	Armored Vehicle Motor Mechanic
Divisionskommandeur	Division Commander	Panzerschlosser	Armored Vehicle Mechanic
Dolmetscher	Interpreter	Panzerschützen	Infantryman in an Armored Vehicle
Dreher	Lathe Operator	Panzerwart	Armored Vehicle Mechanic
Drucker	Printer	Peiler	Direction Finder
Elektriker	Electrician	Pferdeführer	Horse Leader. Driver on foot of a horse-drawn wagon
Elektromechaniker	Electro Mechanic	Pferdehalter	Horse Holder (Groom)
Entfernungsmesser	Rangefinder / Distance Measurer	Pferdewärter	Groom (Horse Holder)
Erkunder	Scout	Pionier	Pioneer / Engineer / Sapper
Erkundungsoﬃzler	Observation Officer	Planoffizier	Triangulation Officer
Facharbeiter	Specialist	Postfachkraft	Postal Worker
Fahnenschmied	Farrier NCO	Prüfer	Accounts Controller
Fahrer	Driver	Quartiermeister	Quartermaster
Fahrer vom Bock	Wagoner. (Driver of a horse-drawn vehicle sitting on the driver's box)	Rechner	Calculator
Fahrer vom Sattel	Horse Team Leaders. (Drivers of a horse-drawn vehicle sitting on the horses)	Rechnungsführer	Accountant
Feinmechaniker	Optics Technician	Regimentsadjutant	Regiment Adjutant
Feldfunksprecher	Field Radio Operator	Regimentsarzt	Regiment Physician
Feldgendarm	Military Policeman	Regimentskommandeur	Regiment Commander
Feldkoch	Cook	Regimentskraftfahreroﬃzler	Regiment Motor Officer
Feldkochunteroﬃzler	Cook NCO	Regimentschreiber	Regiment Headquarters Clerk
Feldwebel	Sergeant	Regimentsveterinär	Regiment Veterinary Doctor
Fernsprecher	Telephonist	Richter	Judge
Feuerwerker	Ordnance NCO	Richtkreisuﬃzler	Gun Layer NCO / Gun Director NCO
Flakwaffenwart	Antiaircraft Weapon Armorer	Richtmeister	Master Fitter
Flugmeldeauswerter	Air Observation Evaluator	Richtschütze	Gunner
Flugmelder	Air Observer	Sachbearbeiter	Clerk
Führer	Leader	Sanitätssoﬃzler	Medical Officer
Führer der Gefechtsfahrzeuge	Leader of the Company/Battery Vehicles	Sanitätsunteroﬃzler	Medical NCO
Funker	Radio Operator	Sattelpferd	Near Horse
Funkmeister	Senior Radio Operator	Sattler	Saddler / Harness Maker
Funkwart	Radio Repairman	Scharenfernrohrunteroﬃzler	Scissors Telescope NCO
Futtermeister	Fodder NCO	Schirmmeister	Foreman / Harness Keeper / Storekeeper NCO / Maintenance Technical Sergeant
Gaschützunteroﬃzler	Chemical Warfare NCO	Schleifer	Polisher
Gefechtsschreiber	Headquarters Clerk	Schlosser	Mechanic
Gerätverwalter	Equipment Administrator	Schmied	Smith
Gerätwart	Equipment Repairman	Schneider	Tailor
Geschützbedienung	Gun Crew	Schreiber	Clerk
Geschützführer	Gun Layer / Gun Captain / Gun Commander	Schumacher / Schuster	Shoemaker / Cobbler
Getriebeschlosser	Drive Train Mechanic	Schwadronführer	Company Commander (cavalry arm)
Gruppenführer	Section Leader	Schwadrontruppführer	Company Headquarters Section Leader (cavalry arm)
Handwerker	Craftsman	Schweisser	Welder
Hauptfeldwebel	Senior Company NCO / Company First Sergeant	Spähtruppführer	Scout Section Leader
Hauptwachmeister	Senior Battery NCO / Battery First Sergeant	Staffelführer	Detachment Leader
Hilfsbeobachter	Assistant Observer	Stellmacher	Cartwright / Wheelwright
Hilfsprüfer	Assistant Controller	Stellungsunteroﬃzler	Gun Position NCO
Hiwi (Hilfswilliger)	Foreign Volunteer for Military Service	Steuermann	Helmsman (driver of a boat)
Holzarbeiter	Wood Worker	Tankwart	Fuel Handler
Intendant	Commissary Officer	Tischler	Joiner / Cabinet Maker
Kanonier	Gunner	Trossführer	Trains Leader
Kartenzeichner	Cartographer	Truppenarzt	Troop Doctor
Kettenkraftradfahrer	Kettenrad Driver	Truppführer	Team Leader
Klempner	Plumber	Unteroﬃzler	NCO (Non-Commissioned Officer)
Koch	Cook	Urkundsbeamter	Document Clerk
Kommandant	Commandant	Verbindungssoﬃzler	Liaison Officer
Kommandeur	Commander	Vermessungsdienst	Measuring Service
Kompanieführer	Company Commander	Verpflegungsmann	Rations Handler
Kompanietrossführer	Company Trains Leader	Verpflegungsunteroﬃzler	Rations NCO
Kompanietruppführer	Company Headquarters Section Leader	Veterinärsoﬃzler	Veterinary Officer
Kradmelder	Motorcycle Messenger	Vorgeschobener Beobachter	Forward Observer
Kraftfahrzeugelektriker	Motor Vehicle Electrician	Vorhandwerker	Leading Craftsman
Kraftfahrzeugmotorschlosser	Motor Vehicle Motor Mechanic	Vorreiter	Outrider. Escort on horse-back of a horse-drawn vehicle.
Kraftfahrzeugschlosser	Motor Vehicle Mechanic	Vorwamer	Advance Warning Man
Kraftwagenbeifahrer	Motor Vehicle Codriver	Waffenmeister	Armorer
Kraftwagenfahrer	Motor Vehicle Driver	Waffenmeisterhilfe	Assistant Armorer
Krankenträger	Stretcher Bearer	Waffenmeisterunteroﬃzler	Master Armorer NCO
Ladeschütze	Loader	Waffenunteroﬃzler	Armorer NCO
Laufwerkschlosser	Running Gear Mechanic	Wagenbegleiter	Wagon Escort. Escort of a horse-drawn vehicle on foot
Leiter	Chief Leader	Wagenführer	Leader of the vehicles in the trains
Lichtpauser	Photographer	Werferführer	Launcher or Mortar Gunner
Maler	Painter	Werkmeister	Foreman / Chief Technician
Mann	(Enlisted) Man	Zahlmeister	Paymaster / Finance Officer
Mannschaft	Privat / Other Rank / (Enlisted) Man	Zeichner	Draftsman
Maschinengewehrschütze	Machine Gunner	Zimmermann	Carpenter
Meldefahrer	Motor Vehicle Messenger	Zugführer	Platoon Leader
Meldefahrer	Messenger (motor vehicle)	Zugtruppführer	Platoon Headquarters Section Leader