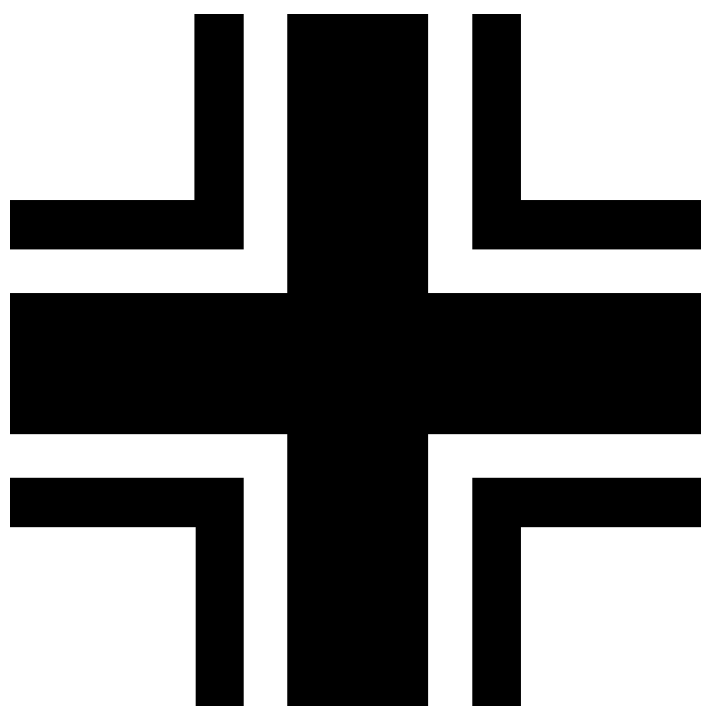


GERMAN WORLD WAR II ORGANIZATIONAL SERIES



Volume 4/II

**MECHANIZED GHQ UNITS AND WAFFEN-SS FORMATIONS
(28th June 1942)**

THE GERMAN WORLD WAR II ORGANIZATIONAL SERIES

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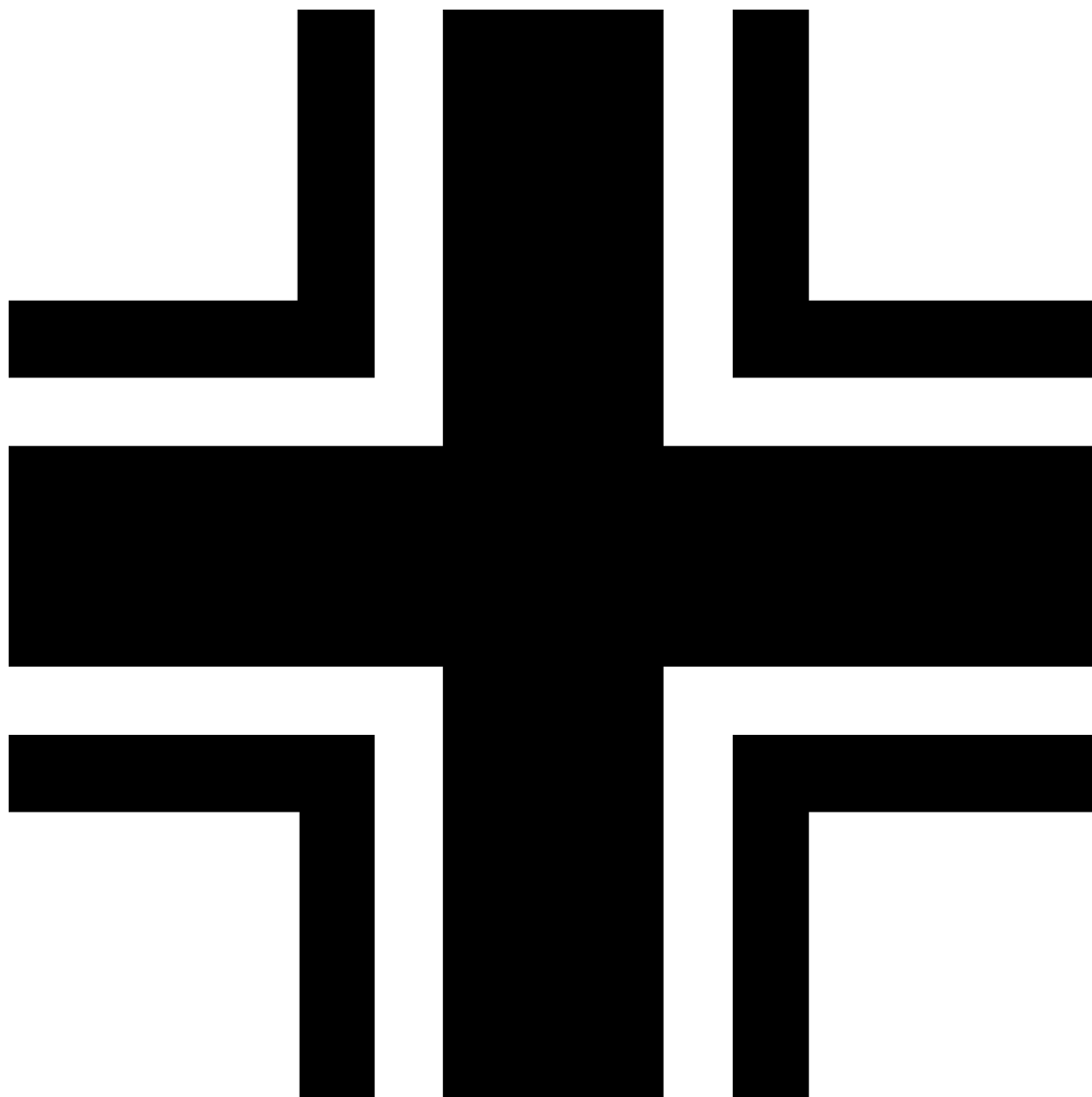
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by Leo W.G. Niehorster



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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 is presently controller for a bank in Germany, and 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 "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

GHQ (General Headquarters, i.e. non-divisional) units 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. GHQ units included the heavy artillery, combat engineers, tank and anti-tank, infantry, and anti-aircraft combat arms. It also included a vast array of non-combat units. But to include the latter would go beyond the purpose of this series.

GHQ units also were equipped with very specialized vehicles, (such as flame-throwing tanks), scarce weapons, (such as self-propelled 88mm Flak), or experimental equipment, (such as mine-clearing vehicles), and were specially trained in their use. GHQ units also had equipment whose effect was operational or strategic, i.e., beyond normal divisional control capabilities, (such as super heavy artillery). Normally, GHQ combat units were mechanized.

GHQ units were eagerly sought after by all commanders. They were trained for and expected to operate independently. The unit commanders were expected to be able to assert themselves against divisional and regimental commanders. These higher commanders were in turn enjoined by standing orders to consult with the GHQ unit commanders regarding the tactical capabilities and use of their specialized units. GHQ units had to excel in the use of their own specialized equipment, and that of divisions, and be able to mesh the two into an efficient combat tool.

The long winter of 1941/42 had been a time of great setbacks and losses for the German forces on the East Front. Besides the extremely harsh climate, which had been totally unexpected, and hence unprepared for, the Russian 1941 winter counter-offensive had severely depleted the combat forces, and by early Spring 1942, German unit strengths were at an all time low. GHQ units were more affected than the larger formations as they did not have the mass that divisions had, and hence had less fat to live off during the long months of sparse personnel and equipment replacements.

A whole new series of *KStN* (*Kriegstärkenachweisungen*, i.e. Tables of Organization) had been issued on 1.11.1941, based upon the experience of the first few months of the campaign. However, the catastrophic strategic situation, the general lack of replacements and the overall unit strength on the East Front meant that the earliest that these new *KStN* could be put into effect was late Spring 1942. Specialist personnel replacements were slow in arriving. What equipment that had survived the winter was worn and seriously in need of repair and maintenance.

June 1942 found the German Army on the East Front barely recovered from the fierce Winter 1941/42 battles.

The toll taken during the winter by the German Army had been high. Indeed, the attrition had been so severe that only those formations on the East Front which were actually to participate in the 1942 Russian Summer Offensive (*Fall Blau*) could be filled up to strength and augmented with new units.

The Germans planned a major campaign on the East Front for 1942. (North Africa was basically left to its own devices). It was to be the final push, eliminating the Soviet Union once and for all. However, the forces at its disposal were less than needed, so that it decided to strengthen first those forces that were to engage in the attack. What was left over, and there was very little of it, went to the other fronts. Even units directly engaged in *Fall Blau* were by no means completely filled up. Particularly those GHQ units that were issued new equipment, such as, for example, the heavy anti-tank guns, were under strength.

On other fronts, the GHQ battalions did with less or without. Heavy artillery batteries usually only were authorized 3 as opposed to the normal 4 guns each. Specialist personnel and equipment rarely arrived, even to keep the GHQ units at bare minimum efficiency.

The new heavy motor-towed 75mm and 76.2mm, and even the medium 50mm anti-tank guns were in short supply, not enough being available to fully equip even the units of the attacking front up to authorized strengths.

Soft-skinned motor vehicles were never produced in sufficient numbers to ever satisfy the needs of the *KStN*. Indeed, it is doubtful if any mechanized unit at any period during the war had the exact number and certainly not the exact type of vehicles and equipment prescribed by the official authorized *KStN*.

Chronic shortages of motor vehicles of all types continued to plague the German Armed Forces throughout the war.

The lack of German equipment was compensated to a certain extent by the wholesale incorporation of captured Russian, Czech, British, and French, motor vehicles, guns, artillery, etc., as well as production facilities in the occupied countries.

North African theater replacements, sent sporadically and without great enthusiasm by the *OKH*, suffered attrition passing through the Allied naval blockade, and GHQ units received replacements only in dribs and drabs. Allied equipment was incorporated freely and without regard to regular, authorized *KStN*. But then the organization of the units in North Africa were in a constant state of flux, frequently without the knowledge of the organizational department *OKH* in Germany. All units were equipped with trucks the moment they were available, and leg combat units were at least truck-borne, although maintaining a non-motorized *KStN*.

The *Waffen-SS* was not part of the Wehrmacht (German Armed Forces), but formed a separate, broadly speaking, fourth service. It was subject only to Wehrmacht orders for operational use, and drew its supplies just as regular Army formations did. Replacements, disciplinary matters and "morale" education were reserved for the Reichsführer-SS (the leader of all the German SS) organizations.

The designation *Waffen-SS* has been used for SS field combat units here, as opposed to strictly political or para-military SS units. Only those *Waffen-SS* units under the Wehrmacht are represented. *Waffen-SS* units have been very well documented.

Waffen-SS units were considered elite units, this status frequently bringing with it higher casualties and losses. *Waffen-SS* units were thrown into the hottest part of the fight – by the Army, probably because they were not of their own – by the Nazi party, because they were there to prove the superiority of the Nazi doctrine and spirit.

Waffen-SS infantry divisions (motorized) had more infantry, (up to eight battalions), than the Army equivalent. All four of the mechanized divisions had an anti-aircraft battalion, whereas only three of the eleven Army infantry divisions (motorized) did.

Three of the four mechanized *Waffen-SS* divisions had tank battalions. (A fourth tank battalion was in the process of being raised, but had not as yet joined its division).

This book draws primarily on German tables of organization (*KStN*) and various orders of battle. 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 mechanized units and formations of the period.

With any project as immense as this one, it is necessary to rely upon the assistance of others. On Mr. Thomas L. Jentz, whose profound and thorough knowledge of German armor was invaluable. On Herr Brün Meyer, formerly of the Bundesarchiv-Militärarchiv, whose help was, as always, essential, and without whose efforts and spare time most of this project would have been incomplete. Also on Adolf Schönefeld, Hans H. Weber, and Piet Duits. To all of them, my continuing thanks.

The author apologizes for any mistakes, (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.

HOW TO READ THE CHARTS

Dates are indicated in the following manner: Day.Month.Year. (Thus 28.06.42 is the 28th Day of June 1942).

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. 21. *Panzer-Division* is the German way of designating the 21st 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: *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, whereas truck (medium) refers to a civilian (rear-axle-driven) load carrier with a load factor of 3 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), as used for office, signal, and other work requiring shelter from the elements. Truck is a load carrier having an open bed, which could be covered by 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 three light telephone sections each consisting of 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 normally maintenance sections and detachments were included under this designation, they have been presented here separately for clarity.

TABLES OF ORGANIZATION – *KRIEGSTÄRKENACHWEISUNGEN*

German unit organizations were based on tables of organization, (*Kriegstärkenachweisungen* – KStN). Every unit raised had one, and all orders raising units indicated the corresponding KStN number and date 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 these KStN on the issue dates. The issue date referred to a specific deadline upon which the KStN were to become effective. In several cases, the KStN were issued later, although with an earlier date. 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.

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

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 reorganization of the units was 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 or complicated equipment were usually withdrawn to training grounds, transferring 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. Subordinate units would then (but not always immediately) rejoined their parent unit or formation.

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 to the effect 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, and never appeared on these validity lists, (either cancelled, never authorized, or superseded).

As new KStN appeared, the old ones were supposed to be destroyed, at least at unit levels. This practice was also carried out at higher levels also. The destruction of the military archives at Potsdam in April 1945 means that only portions of the KStN remain.

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, organizational charts, 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 24.03.1941, (with changes up to November 1941) and on the actual symbols used in the organizational charts (Kriegsgliederungen des Feldheers, (1.07.42)). 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.

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.

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.

All units assigned to Panzer divisions were at least motorized, so that it was thought that the addition of the motorization wheels to the upright staff symbol could be dispensed with, and that the Panzer-Truppen pennant was indication enough.

Although the official handbook indicated that armored infantry units should have the halftrack 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.

Excluded from this were the firing artillery (tube, rocket-launcher, and Army anti-aircraft) 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 (anti-aircraft 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 into a headquarters company or heavy company, (and each of these sub-units had its own KStN), these symbols were enclosed in a box with a thick side.

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 usually 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 '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 subdivision 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 function as a headquarters 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
1942

SIZE, FUNCTION, MOBILITY

| | | | | | | | | | | | |
|--------------------|--------------------|--------------------------|------------------|------------------------|--------------------|-------------------------|-------------------|----------------------|----------------|----------------------|-----------------|
| | | | | | | | | | | | |
| Infantry | Motor Transport | Panzer Troops | Cavalry | Reconnaissance | Signal | Engineer | Bridging Engineer | Railroad Engineer | Supply | Medical | Veterinary |
| Infantry | Mountain | Bicycle | Machine Gun | Mixed Mobility | Motorized | Motorcycle | Tank / Armored | Anti-Tank | Construction | Traffic Control | Military Police |
| Artillery | Mountain Artillery | Bb Artillery Observation | Rocket Artillery | Infantry Anti-Aircraft | Army Anti-Aircraft | Luftwaffe Anti-Aircraft | Assault Artillery | Recoilless Artillery | F1 Fortress | FE Field Replacement | Sich Security |
| Foot / Horse-Drawn | Mountain | Bicycle | Pack Animal | Mixed Mobility | Motorized | Motorcycle | Halftrack Towed | Motor Towed | Self-Propelled | Halftrack | Train |

WEAPON SYMBOLS

| | | | | | | | | | | | |
|-------------------|-------------------|-------------------------|--------------------------|---------------|------------------------------|-----------------------------|-------------------------------|--|--|--|--|
| | | | | | | | | | | | |
| 50mm Light Mortar | 81mm Heavy Mortar | 75mm Light Infantry Gun | 150mm Heavy Infantry Gun | Flame Thrower | 20mm Light Anti-Aircraft Gun | 20mm Quad Anti-Aircraft Gun | 37mm Medium Anti-Aircraft Gun | | | | |

INFANTRY UNITS AND MOUNTAIN UNITS













































| | | | | | | | | | | | |
|------------------------------|------------------------------|--------------------------------|-----------------------------|------------------------------|----------------------------|----------------------------------|----------------------------------|--------------------------------|------------------------------------|------------------------------------|--|
| | | | | | | | | | | | <u>le. Inf.</u> Light Infantry Transport Column |
| Mountain Infantry Platoon | Mountain Infantry Company | Mountain Heavy Company | Mountain Bicycle Inf. Plt. | Mountain Engineer Platoon | Mountain Signal Platoon | Mountain Anti-Tank Co. (mot) | Heavy Infantry Gun Co. (SP'd) | Light Anti-Aircraft Co. (SP'd) | Medium Anti-Aircraft Co. (SP'd) | Machine Gun Company (motorized) | Mountain Transport Column |
| Infantry Platoon (motorized) | Infantry Company (motorized) | Infantry Heavy Co. (motorized) | Infantry Motorcycle Platoon | Infantry Engineer Plt. (mot) | Infantry Signal Plt. (mot) | Infantry Gun Platoon (motorized) | Infantry Gun Company (motorized) | 20mm Anti-Aircraft Plt. (mot) | 20mm Quad Anti-Aircraft Plt. (mot) | Light Mtn. Anti-Aircraft Co. (mot) | <u>le. Inf.</u> Light Infantry Transport Column (mot) |

ENGINEER UNITS





























































| | | | | | | | | | | | |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------|------------------------|-------------------------------|---------------------------------|-----------------------------------|---|--|
| | | | | | | | | | | | |
| Bridge Column B (motorized) | Bridge Column C (motorized) | Bridge Column D (motorized) | Bridge Column K (motorized) | Bridge Column T (motorized) | Bridge Equipment Unit | Railroad Combat Bridge | Engineer Equipment Plt. (mot) | Engineer Searchlight Plt. (mot) | Engineer Snow-Clearing Plt. (mot) | <u>le.</u> Lt. Engineer Transport Column (mot) | |

GERMAN ORGANIZATIONAL SYMBOLS
1942













MOBILE TROOPS

| | | | | | | | | | | | |
|--|--|---|--|---|---|---|---|--|--|--|---|
|  Motorized Infantry Platoon |  Motorized Infantry Company |  Motorized Machine Gun Company |  Motorized Heavy Company (typical example) |  Armored Infantry Platoon |  Armored Infantry Company |  Armored Machine Gun Company |  Armored Heavy Company (typical example) |  Motorized Engineer Platoon |  Motorized Infantry Gun Company | | |
|  Motorcycle Infantry Platoon |  Motorcycle Infantry Company |  Motorcycle Machine Gun Company |  Armored Car Platoon |  Armored Car Company |  Motorcycle Recon. Platoon |  Motorcycle Recon. Company |  Motorized Heavy Reconnaissance Company (typical example) |  Armored Recon. Company |  Motorized Signal Platoon |  Light Recon. Transport Col. (mot) | |
|  Cavalry Platoon |  Cavalry Company |  Cavalry Machine Gun Company |  Cavalry Bicycle Company |  Cavalry Bicycle Recon. Co. |  Cavalry Recon. Platoon |  Cavalry Infantry Gun Company |  Cavalry Engineer Platoon |  Cavalry Antitank Platoon |  Cavalry Motorized Heavy Company (typical example) |  Cavalry Signal Platoon | |
|  Light Tank Platoon |  Light Tank Company |  Medium Tank Company |  Heavy Tank Company |  Flame-Tank Company |  Armored Headquarters Company |  Reserve Tank Detachment |  Armor Maintenance Company |  Armored Signal Platoon |  Motorized Antitank Company |  Self-Propelled Antitank Company |  Light Armor Transport Col. (mot) |





































ARTILLERY UNITS

| | | | | | | | | | | | |
|---|---|---|---|--|--|---|---|--|--|---|---|
|  75mm Field Gun Battery |  75mm Mtn. Gun Battery (GK 15) |  75mm Field Gun Battery (FK 16 nA) |  75mm Cav. Gun Battery (FK 16 nA) |  Assault Gun Battery (Sd.Kfz. 142) |  75mm Field Gun Battery (FK 18) |  105mm Field Howitzer Battery |  105mm Field Howitzer Bty. (le.FH 16) |  105mm Field Howitzer Bty. (le.FH 18) |  105mm Gun Battery |  105mm Gun Battery (K 17) |  105mm Gun Battery (K 18) |
|  150mm Gun Battery (K 16) |  150mm Gun Battery (K 18) |  150mm Gun Battery (K 39) |  150mm Gun Battery (How. Base) |  210mm Gun Battery (K 12) |  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. (s.FH 18) |
|  210mm Howitzer Bty. (lg. Mörser) |  210mm Howitzer Bty. (M 18) |  240mm Howitzer Bty. (H 39) |  305mm Howitzer Battery |  355mm Howitzer Bty. (M 1) |  420mm Howitzer Battery |  600mm Howitzer Bty. (Karl Gerät) |  Recoilless Gun Battery |  Searchlight Army AA Battery |  20mm Flak Army AA Battery |  37mm Flak Army AA Battery |  88mm Flak Army AA Battery |
|  105mm Rocket Launcher Bty. (Nbl.W. 35) |  105mm Rocket Launcher Bty. (Nbl.W. 40) |  150mm Rocket Launcher Bty. (Nbl.W. 41) |  210mm Rocket Launcher Bty. (Nbl.W. 42) |  280/320mm RL Bty. (Wfr. 40/41) |  Decontamination Battery |  Motorized Headquarters Battery |  Mot. Hqs. Battery (Pz. Div.) |  Hqs. Bty. Assault Gun Battalion |  Hqs. Bty. Army AA Battalion |  Hqs. Bty. Rocket Battalion |  Hqs. Bty. Art. Obs. Battalion |
|  Motorized Calibration Detachment |  Mountain Calibration Detachment |  Motorized Calibration Platoon |  Weather Detachment |  Weather Platoon |  Motorized Calibration Battery |  Sound-Ranging Battery |  Flash-Ranging Battery |  Art. Obs. Battery (Pz. Div.) |  Motorized Balloon Battery |  Artillery Motor Towing Detachment |  Lt. Artillery Transport Col. (mot) |

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 |  Lt. Artillery Signal Col. (mot) |
|---|---|--|---|---|--|---|--|--|---|--|--|

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 |  Horse Transport Col. (mot) |
|  Motorized Baker Company |  Motorized Butcher Company |  Motorized 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 |

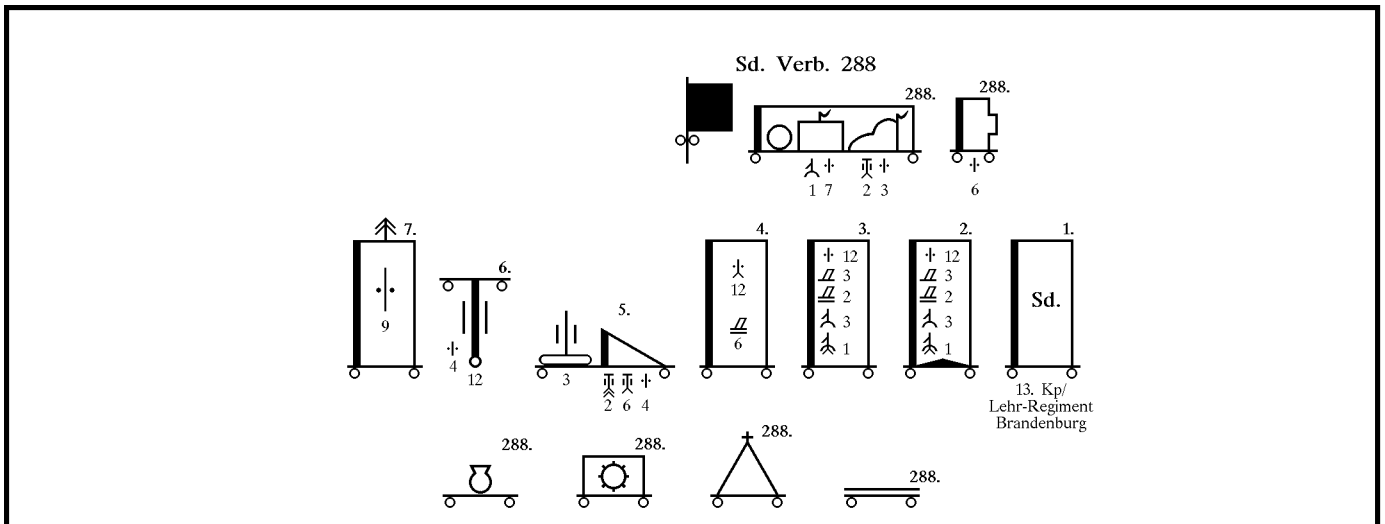
| <i>Abbr.</i> | <i>German</i> | <i>English</i> | <i>Abbr.</i> | <i>German</i> | <i>English</i> |
|--------------|---|---|---------------|---------------------------------------|---|
| | | A | | | L |
| AA | – | anti-aircraft | l, le, lei | leicht | light |
| Abt | Abteilung | Battalion | Le.Div. | Leichte Division | Light Infantry Division |
| AC | – | armored car | LG | Leichtgeschütz | recoilless gun |
| AFV | – | armored fighting vehicle | lg | lang | long |
| AG | – | Army Group | Li | Lichtmess | flash ranging |
| Ammo | – | ammunition | LMG | – | light machine gun |
| Armd | – | armored | lt | – | light |
| – | Armee | Army | Lw | Luftwaffe | German Air Force |
| – | Armeegruppe | Army-sized Command | | | |
| – | Armeekorps | Army Corps | | | M |
| AT | – | anti-tank | M, Mörs | Mörser | howitzer |
| ATG | – | anti-tank gun | m | mittler | medium |
| ATR | – | anti-tank rifle | mcl | – | motorcycle |
| Arko | Artillerie Kommandeur | Artillery Commander | mcl w/sc | – | motorcycle with side car |
| | | B | med | – | medium |
| Battr | Batterie | Battery | MG | Maschinengewehr | machine gun |
| Btl, Batl | Bataillon | Battalion | – | Militärbefehlshaber | Military Commander |
| Bb, Beob | Beobachtung | observation | mot | motorisiert | motorized |
| Bef-Pz | Befehlspanzer | command tank | mot S | mot. Selbstfahrlafette | self-propelled carriage |
| – | Befehlshaber | Commander | | | N |
| – | Befehlshaber rückwärtiges Heeresgebiet | Commander of Army Group Rear Area | Nbl | Nebel | smoke |
| Bn | – | Battalion | Nbl W | Nebelwerfer | rocket launcher |
| Brig | Brigade | Brigade | NCO | – | Non-Commissioned Officer |
| Bty | – | Battery | | | O |
| | | C | Ob | Oberbefehlshaber | Commander-in-Chief |
| cc | – | cross-country | Off | – | Officer |
| CE | – | Combat Engineer | OKH | Oberkommando des Heeres | Army High Command |
| – | Chef Heeresrüstung und Befehlshaber der Ersatzarmee | Chief of Army Equipment and Commander of the Reserve Army | OKW | Oberkommando der Wehrmacht | Armed Forces High Command |
| Co | – | Company | ops | – | operations |
| Col | – | Column | | | P |
| | | D | (p) | polnisch | Polish |
| Det | – | Detachment | Pak | Panzerabwehrkanone | anti-tank gun |
| Div | Division | Division | Pi, Pion | Pionier | (Combat) Engineer |
| Div. z.b.V. | Division zur besonderer Verwendung | Division Headquarters | Plt | – | Platoon |
| | | E | – | Polizei | Police |
| EM | – | Enlisted Man | P.O.L. | – | petrol, oil, lubricants |
| Engr | – | Engineer | Prop | Propaganda | propaganda |
| | | F | Pz, Panz | Panzer | tank, armor |
| (f), (fr) | französisch | French | PzGren | Panzergrenadier | motorized infantry |
| FEB | Feldersatz-Bataillon | field replacement battalion | PzGren (gp) | Panzergrenadier (gp) | armored infantry |
| – | Festungs-Div. | Fortress Division | Pz.Brig. | Panzerbrigade | Tank Brigade |
| FH | Feldhaubitze | field howitzer | Pz.Div. | Panzerdivision | Armored Division |
| Finn. | – | Finnish | Pz.Korps | Panzerkorps | Armored Corps |
| FK | Feldkanone | field gun | | | R |
| Fla | Flugabwehr | anti-aircraft | (r) | russisch | Russian |
| Flak | Flugabwehrkanone | anti-aircraft gun | Recon | – | reconnaissance |
| FL.Div. | Fliegerdivision | Luftwaffe Airborne Division | Rgt | Regiment | Regiment |
| Fkl | Funklenk | radio-controlled | Rgt. GG (mot) | Regiment General Göring (motorisiert) | German Luftwaffe elite mixed regiment (motorized) |
| FL | Feuerleit | artillery fire control | RL | – | rocket launcher |
| Fs.Jg.Rgt. | Fallschirmjägerregiment | Parachute Infantry Regiment | RSO | Raupenschlepper Ost | fully-tracked load carrier |
| Füs | Füsilier | Infantry | Rum. | – | Rumanian |
| | | G | | | S |
| G, Gesch | Geschütz | gun, cannon | s, schw | schwer | heavy |
| Geb.Div. | Gebirgsdivision | Mountain Division | Sch | Schallmess | sound ranging |
| Geb.Jg.Rgt. | Gebirgsjägerregiment | Mountain Infantry Regiment | Sd | sonder | special |
| Geb.Korps | Gebirgskorps | Mountain Corps | Sd Kfz | Sonder-Kraftfahrzeug | special military vehicle |
| GG | General Gouvernement | Occupied Poland | Sec | – | Security |
| GD | Gross-Deutschland | German Army elite infantry division | Sect | – | Section |
| GHQ | – | General Headquarters | Sf | selbstfahr | self-propelled |
| GK | Gebirgskanone | mountain gun | Sfl | Selbstfahrlafette | self-propelled carriage |
| Gr. | Gruppe | Group/Force | Sich | Sicherheits- | security |
| GSO | (Beamte) | Government Service Official | Sich.Div. | Sicherungsdivision | Security Division (Line-of-Communications) |
| gp, gep | gepanzert | armored | Slov. | – | Slovakian |
| Gren | Grenadier | Infantry | SMG | – | sub machine gun |
| | | H | SP, SP'd | – | self-propelled |
| H, Haub | Haubitze | (gun-) howitzer | SPW | Schützenpanzerwagen | armored personnel carrier |
| Harko | Höhere Artillerie Kommandeur | Higher Artillery Commander | Sdq | – | Squad |
| HE | – | high explosive | Sqdn | – | Squadron |
| HMG | – | heavy machine gun | SS | Waffen-SS | Nazi Party military arm |
| Hoh.Kdo. | Höhere Kommando | Corps-sized Command | ss, sw | schwerste | super heavy |
| Hqs | – | headquarters | St, Stb | Stab | headquarters |
| Hun. | Hungarian | | StuGesch | Sturmgeschütz | assault gun (SP'd) |
| hvy | – | heavy | StuHaub | Sturmhaubitze | assault howitzer (SP'd) |
| | | I | StuPz | Sturmpanzer | assault tank (armored heavy IG) |
| IG | Infanterie-Geschütze | infantry gun | | | T |
| I, Inf | Infanterie | Infantry | (t) | tschechisch | Czechoslovakian |
| Inf.Div. | Infanteriedivision | infantry division | tele | – | Telephone |
| Inf.Rgt. | Infanterieregiment | Infantry Regiment | | | V |
| Ital. | Italian | | VW | Volkswagen | light cross-country car |
| | | K | Versorg | Versorgungs- | support |
| K, Kan | Kanone | gun | | | W |
| KK | Kettenkrad | 0.5-ton halftrack (aka: halftracked motorcycle) | w/ | – | with |
| kl | klein | small, light | w/o | – | without |
| Kol | Kolonne | Column | Wfr | Werfer | (rocket-, grenade-) launcher |
| Kom.Gen. | Kommandierender General | Commanding General | WK | Wehrkreis | Military District |
| Kp | Kompanie | Company | | | Z |
| (kroat.) | kroatisch | Croatian | zbV | zur besonderer Verwendung | for special purposes / use |
| KStN | Kriegstärkenachweisung | Table of Organization | Zug | – | Platoon or railroad train |
| kz | kurz | short | | | |

Axis Ground Forces Order of Battle – 24 June 1942

| ARMY GROUP NORTH | | | ARMY GROUP SOUTH | | | | |
|--|--|--|--|---|--|--|---|
| 16. Armee | XXXIX. Armeekorps (mot) | 8. Pz. Div. 218. Inf. Div. | 11. Armee | LIV. Armeekorps | 46. Inf. Div. 24. Inf. Div. 22. Inf. Div. 50. Inf. Div. 4 th Rum. Mtn. Div. | | |
| | II. Armeekorps | 123. Inf. Div. 32. Inf. Div. 12. Inf. Div. 30. Inf. Div. 290. Inf. Div. SS-Totenkopf-Div. (mot) Freikorps "Dänemark" | | Rumanian Mountain Corps | 18 th Rum. Inf. Div. 1 st Rum. Mtn. Div. | | |
| | X. Armeekorps | Gr. Meidl (Lw.) 329. Inf. Div. 8. Lei. Div. 5. Lei. Div. 122. Inf. Div. 18. Inf. Div. (mot) 81. Inf. Div. SS-Polizei-Rgt. Nord | | XXX. Armeekorps | 72. Inf. Div. 170. Inf. Div. 28. Le. Div. | | |
| | 18. Armee | XXXVIII. Armeekorps | | 250. Inf. Div. 58. Inf. Div. 126. Inf. Div. 2. SS-Brig. (mot) 265. Sich. Div. | XXXXII. Armeekorps | 132. Inf. Div. 8 th Rum. Cav. Div. 10 th Rum. Inf. Div. 19 th Rum. Inf. Div. Rum. Mobile Rgt. | |
| | I. Armeekorps | 254. Inf. Div. 291. Inf. Div. 215. Inf. Div. 61. Inf. Div. 121. Inf. Div. SS-Polizei-Div. 9. SS-Inf. Rgt. 20. Inf. Div. (mot) 1. Inf. Div. | | Gr. von Förster | Rumanian Cavalry Corps | 6 th Rum. Cav. Div. 5 th Rum. Cav. Div. 298. Inf. Div. 4. Sich. Rgt. | |
| | XXVIII. Armeekorps | 269. Inf. Div. 11. Inf. Div. 21. Inf. Div. 93. Inf. Div. 12. Pz. Div. 217. Inf. Div. 96. Inf. Div. 2. Fs. Jg. Rgt. (Lw.) | | XIV. Panzerkorps | LSS-Adolf Hitler-Div. (mot) 73. Inf. Div. 13. Pz. Div. 125. Inf. Div. SS-Wiking-Div. (mot) Slov. Mobile Div. | | |
| | XXXVI. Armeekorps | 223. Inf. Div. 227. Inf. Div. | | 17. Armee | XXXXIX. Gebirgskorps | 198. Inf. Div. 4. Geb. Div. | |
| | L. Armeekorps | 207. Sich. Div. 281. Sich. Div. 285. Sich. Div. | | Italian Mobile Corps | 3 rd Ital. Cav. Div. "P.A.D.A." 52 nd Ital. Inf. Div. "Torino" 9 th Ital. Inf. Div. "Pasubio" | | |
| | Befehlshaber rückwärtiges Heeresgebiet Nord | | | | LII. Armeekorps | 111. Inf. Div. | |
| | | | | | IV. Armeekorps | 94. Inf. Div. 9. Inf. Div. 76. Inf. Div. 295. Inf. Div. 370. Inf. Div. | |
| ARMY GROUP CENTER 108 th Hun. Lt. Div. | 2. Panzer-Armee 707. Inf. Div. 102 nd Hun. Lt. Div. | XXXV. Armeekorps | 262. Inf. Div. 293. Inf. Div. 221. Sich. Div. 4. Pz. Div. | 1. Panzer-Armee | XXXXIV. Armeekorps | 257. Inf. Div. 101. Le. Div. 97. Le. Div. 68. Inf. Div. | |
| | 4. Armee 442. Div. z.b.V. | LIII. Armeekorps | 25. Inf. Div. (mot) 112. Inf. Div. 296. Inf. Div. 56. Inf. Div. 134. Inf. Div. | | VT th Rumanian Corps | 4 th Rum. Inf. Div. 20 th Rum. Inf. Div. 2 nd Rum. Inf. Div. | |
| | | XXXXVII. Panzerkorps | 211. Inf. Div. 208. Inf. Div. 18. Pz. Div. 17. Pz. Div. 339. Inf. Div. | | XI. Armeekorps | 1. Geb. Div. 1 st Rum. Inf. Div. 454. Sich. Div. | |
| | | LVI. Panzerkorps | 331. Inf. Div. Gr. Schlemm (Lw.) 10. Inf. Div. (mot) 267. Inf. Div. 131. Inf. Div. 19. Pz. Div. 52. Inf. Div. | | III. Panzerkorps | 14. Pz. Div. 16. Pz. Div. 22. Pz. Div. 60. Inf. Div. (mot) | |
| | XXXXIII. Armeekorps | 31. Inf. Div. 34. Inf. Div. 137. Inf. Div. | LI. Armeekorps | | 384. Inf. Div. 62. Inf. Div. 44. Inf. Div. 71. Inf. Div. 297. Inf. Div. | | |
| | XX. Armeekorps | 255. Inf. Div. 183. Inf. Div. 292. Inf. Div. 258. Inf. Div. | 6. Armee 100. Le. Div. 369. Inf. Rgt. (kroat.) | | XVII. Armeekorps | 294. Inf. Div. 79. Inf. Div. 113. Inf. Div. | |
| | IX. Armeekorps | 7. Inf. Div. 78. Inf. Div. 252. Inf. Div. 35. Inf. Div. | VIII. Armeekorps | | 305. Inf. Div. 389. Inf. Div. 376. Inf. Div. | | |
| | XXXXI. Armeekorps (mot) | 342. Inf. Div. 36. Inf. Div. (mot) 161. Inf. Div. | XXXX. Armeekorps (mot) | | 336. Inf. Div. 3. Pz. Div. 23. Pz. Div. 29. Inf. Div. (mot) | | |
| | XX. Armeekorps | 255. Inf. Div. 183. Inf. Div. 292. Inf. Div. 258. Inf. Div. | XXIX. Armeekorps | | 75. Inf. Div. 168. Inf. Div. 57. Inf. Div. | | |
| | 9. Armee | VI. Armeekorps | 6. Inf. Div. 256. Inf. Div. 26. Inf. Div. | | 2. Armee 88. Inf. Div. 383. Inf. Div. | L.V. Armeekorps | 95. Inf. Div. 45. Inf. Div. 1. SS-Brig. (mot) 299. Inf. Div. |
| XXVII. Armeekorps | 251. Inf. Div. 14. Inf. Div. (mot) 206. Inf. Div. 86. Inf. Div. | 3. Panzer-Armee 20. Pz. Div. | Second Hungarian Army 1 st Hun. Arm. Div. | III rd Hungarian Corps | 7 th Hun. Lt. Div. 9 th Hun. Lt. Div. 16. Inf. Div. (mot) | | |
| XXIII. Armeekorps | 253. Inf. Div. 129. Inf. Div. 110. Inf. Div. 1. Pz. Div. 102. Inf. Div. | XX. Armeekorps | 7. Inf. Div. 78. Inf. Div. 252. Inf. Div. 35. Inf. Div. | VII. Armeekorps | 6 th Hun. Lt. Div. 387. Inf. Div. | | |
| XXXXVI. Panzerkorps | 87. Inf. Div. 382. Inf. Div. 5. Pz. Div. | IX. Armeekorps | 342. Inf. Div. 36. Inf. Div. (mot) 161. Inf. Div. | IV th Hungarian Corps | 10 th Hun. Lt. Div. 12 th Hun. Lt. Div. 13 th Hun. Lt. Div. | | |
| Gr. Eisebeck | 246. Inf. Div. 2. Pz. Div. 197. Inf. Div. | XXXXI. Armeekorps (mot) | 342. Inf. Div. 36. Inf. Div. (mot) 161. Inf. Div. | 4. Panzer-Armee | XXIV. Panzerkorps | 377. Inf. Div. 9. Pz. Div. 3. Inf. Div. (mot) | |
| LIX. Armeekorps | 330. Inf. Div. 205. Inf. Div. 83. Inf. Div. | XX. Armeekorps | 255. Inf. Div. 183. Inf. Div. 292. Inf. Div. 258. Inf. Div. | XIII. Armeekorps | 82. Inf. Div. 11. Pz. Div. 385. Inf. Div. | | |
| Befehlshaber rückwärtiges Heeresgebiet Mitte | | | | XXXXVIII. Panzerkorps | Grossdeutschland Inf. Div. (mot) 24. Pz. Div. | | |
| | | | | Befehlshaber rückwärtiges Heeresgebiet Süd | | | |
| | | | | 444. Sich. Div. 213. Sich. Div. 105 th Hun. Lt. Div. | | | |
| En-route to East Front | 8th Italian Army | II nd Italian Corps | 3 rd Ital. Inf. Div. "Ravenna" 2 nd Ital. Inf. Div. "Sfioresca" 5 th Ital. Inf. Div. "Cosseria" | | | | |
| | | | 371. Inf. Div. | | | | |
| ARMY GROUP D 100. Pz. Brig. 23. Inf. Div. | 15. Armee 10. Pz. Div. | LXXXVIII. Armeekorps | 167. Inf. Div. 719. Inf. Div. | OKW Direct | 20. Geb. Armee | III rd Finnish Corps | 3 rd Finn. Inf. Div. SS-Nord-Div. (mot) 7. Geb. Div. 139. Geb. Jg. Rgt. |
| | Armeegruppe Felber | LXXXII. Armeekorps | 304. Inf. Div. 306. Inf. Div. 106. Inf. Div. 321. Inf. Div. 712. Inf. Div. | | XVIII. Gebirgskorps | XXXVI. Gebirgskorps | 169. Inf. Div. 163. Inf. Div. |
| | | LXXXI. Armeekorps | 302. Inf. Div. 332. Inf. Div. 711. Inf. Div. | | Gebirgskorps Norwegen | 6. Geb. Div. 2. Geb. Div. | |
| | | LXXXIII. Armeekorps | 337. Inf. Div. | | Norwegen Armee 3. Geb. Div. 25. Pz. Div. | Hohere Kommando LXXI | 230. Inf. Div. 270. Inf. Div. 199. Inf. Div. |
| | 7. Armee 6. Pz. Div. SS-Reich-Div. (mot) 7. Fl. Div. (Lw.) Rgt. GG (mot/Lw.) | LXXXIV. Armeekorps | 716. Inf. Div. 319. Inf. Div. 320. Inf. Div. | | Panzer-Armee Afrika 90. Le. Div. | Hohere Kommando XXXIII | 196. Inf. Div. 702. Inf. Div. 181. Inf. Div. |
| | 1. Armee 7. Pz. Div. | XXV. Armeekorps | 709. Inf. Div. 335. Inf. Div. 17. Inf. Div. 333. Inf. Div. | | Deutsches Afrika Korps | Hohere Kommando LXX | 69. Inf. Div. 280. Inf. Div. 214. Inf. Div. 710. Inf. Div. |
| | | LXXX. Armeekorps | 327. Inf. Div. 708. Inf. Div. 715. Inf. Div. 15. Inf. Div. | | Italian XX Motorized Corps | | |
| | | | | | 132 nd Ital. Arm. Div. "Ariete" 101 st Ital. Inf. Div. (mot) "Trieste" | | |
| | | | | | 10 th Ital. Inf. Div. "Pavia" 27 th Ital. Inf. Div. "Brescia" | | |
| | | | | | 102 nd Ital. Inf. Div. "Trento" 60 th Ital. Inf. Div. "Sabrata" | | |
| | | | 416. Inf. Div. | | | | |
| | | | | Militärbefehlshaber Frankreich | | | |
| | | | | Militärbefehlshaber Belgien und Nordfrankreich | | | |
| | | | | Militärbefehlshaber Serbien (Höh. Kdo. LXV) | | | |
| | | | | Militärbefehlshaber im General-Gouvernement | | | |

The 24.06.1942 complete order of battle has been used, as one for the divisions on the 28.06.1942 was not available. This means that possibly slight deviations in actual assignments on the latter date – the beginning of Fall Blau – are possible.

SONDERVERBAND 288 (motorisiert)
Motorized 288th Special Service Unit



KStN 103c
1.11.1941

Headquarters, Infantry Regiment (motorized)
Rgt Hqs: 5 mcl; 2 mcl w/sc; 2 cars (12).

KStN 1121
1.11.1941

Headquarters Company, Infantry Regiment (motorized)

Co Hqs: 3 mcl; 2 mcl w/sc; 1 car (15).
Lt Tele Sect c: 1 car (15).
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Co Trains: 1 car (15); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton).

KStN 1133
28.06.1941

Scout Plt: Plt Hqs: 2 VW (1); 1 ATR; 1 LMG.
3 Pack Radio Sect b: 1 VW (2).
3 Scout Sect: 4 VW (1); 1 Scout Section w/ 2 LMG.
Plt Trains: 1 VW (1); 1 truck (light).

KStN 1165
28.06.1941

Armored Car Sect: 2 AC (221); 1 AC (223); 1 car (18).

KStN 2074
1.10.1938

Printing Det: 1 mcl; 1 mcl w/sc; 1 car (light); 3 buses (medium – as workshop); 2 vans (medium); 1 trailer (printing press); 1 trailer (generator).

KStN 138c
1.11.1941
[Modified]

2nd & 3rd (Infantry) Company (motorized) [2nd Company is also mountain trained]

Co Hqs: 3 mcl; 2 mcl w/sc; 1 car (15).
Anti-Tank Sect: 1 truck (medium); 3 ATR; 1 ATG (28mm/cone-bore – towed).
Mortar Sect: 1 mcl; 2 trucks (medium); 2 mortars (81mm).
3 Inf Plt: Hqs Sect: 1 mcl; headquarters personnel ride with the Infantry Squads.
4 Inf Sqd: 1 truck (medium); 1 Infantry Squad w/ 1 LMG.
1 Mortar Sect: 1 mortar (50mm); rides with one of the Infantry Squads.
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Co Trains: 1 car (light); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton).

KStN 161c
1.11.1941

4th (Machine Gun) Company (motorized)

Co Hqs: 3 mcl; 2 mcl w/sc; 2 cars (15).
2 MG Plt: Hqs Sect: 1 mcl w/sc; 1 car (15).
3 MG Sect: 1 truck (medium); 2 HMG.
1 Mortar Plt: Hqs Sect: 1 mcl; 1 car (11).
3 Mortar Sect: 1 mcl; 1 truck (medium); 2 mortars (81mm).
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Co Trains: 1 car (light); 1 truck (light); 2 trucks (medium).

KStN 184c
21.01.1941

5th (Anti-Tank) Company (motorized)

Co Hqs: 4 mcl; 2 mcl w/sc; 1 car (12).
2 AT Plt: Hqs Sect: 3 mcl; 1 mcl w/sc; 2 cars (12); 1 LMG.
Gun Sect: 6 cars (12); 3 ATG (37mm – towed); 3 trailers (ammo).
1 AT Plt: Hqs Sect: 3 mcl; 1 mcl w/sc; 3 cars (12); 2 LMG.
Gun Sect: 4 halftracks (10); 2 ATG (50mm – towed); 2 trailers (ammo).
1 StuG Plt: Hqs Sect: 1 mcl w/sc; 1 armored ammo carrier (252 or 250/6); 1 armored ammo trailer.
Gun Sect: 3 Sturmgeschütz (142).
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Co Trains: 1 mcl w/sc; 1 car (light); 1 truck (medium); 2 trucks (3-ton).

KStN 215
31.01.1941
ex KStN 190
1.11.1941

KStN 192
1.02.1941

6th (Anti-Aircraft) Company (motorized)

Co Hqs: 4 mcl; 1 VW (1); 1 car (15); 1 LMG.
Signal Det: Hqs Sect: 1 car (15).
1 Lt Tele Sect c: 1 car (15).
4 Pack Radio Sect b: 1 car (2).
3 AA Plt: Hqs Sect: 3 mcl; 2 cars (15); 1 LMG.
Gun Sect: 6 trucks (81); 4 AA guns (20mm Flak – towed); 2 trailers (ammo).
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Co Trains: 1 car (15); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton).

**SONDERVERBAND 288 (motorisiert)
Motorized 288th Special Service Unit**

- KStN 712 *) 7th (Combat Engineer) Company (motorized)**
1.11.1941
Co Hqs: Hqs Sect: 1 mcl w/sc; 1 car (15).
2 Pack Radio Sect *b*: 1 car (2).
1 Support Sect: 1 mcl w/sc; 3 trucks (3-ton); 3 trailers (compressors).
3 CE Plt: Hqs Sect: 1 mcl w/sc; 1 car (15).
3 Sect: 1 truck (3-ton); 1 Engineer Section w/ 1 LMG.
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Co Trains: 1 mcl w/sc; 2 trucks (medium); 1 truck (3-ton).
- KStN 930 288 Motorized Signal Company / 288th Special Service Unit**
1.10.1941
Co Hqs: 1 mcl; 1 mcl w/sc; 1 car (15); 1 truck (medium); 4 LMG.
Tele Plt: Hqs Sect: 3 mcl; 1 car (15); 1 LMG.
1 Tele Ops Sect *a*: 1 car (15); 1 van (17).
6 Lt Tele Sect *a*: 1 car (15).
Radio Plt: Hqs Sect: 3 mcl; 1 car (15); 1 LMG.
1 Med Radio Sect *Sd.*: 1 car (15); 1 van (17).
8 Med Redio Sect *af*: 1 car (15); 1 van (17).
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Co Trains: 1 mcl; 1 car (15); 9 trucks (medium); 2 vans (light); 1 van (42); 1 trailer (generator).
- KStN 202 288th Light Infantry Column (motorized)**
1.02.1941
Col Hqs: 2 mcl; 1 car (medium).
Transport Plt: 1 mcl w/sc; 13 trucks (light).
Rear Echelon: 1 car (light); 4 trucks (light).
- KStN 1320 *) 288 Medical Detachment (motorized) / 288th Sepecial Service Unit**
20.08.1941
Det: 2 cars (light); 4 trucks (light); 1 ambulance (31).
- KStN 1051 288 Motor Maintenance Platoon (motorized)**
1.02.1941
Plt: 1 mcl; 1 car (medium); 1 truck (heavy); 1 bus (medium); 1 van (79); 1 halftrack (7); 1 trailer (carg0); 1 trailer (generator).
- KStN 1095 *) 288 P.O.L. Inspection Detachment (motorized)**
1.08.1941
Det: 1 car (light); 1 truck (light); 1 van (medium).

NOTES:

The Sonverband 288 was raised on 1.07.1941 at Potsdam. On 28.06.1942 the Sonder-Verband 288 was assigned directly to Panzerarmee Afrika.

Originally designed to operate in Iraq, the Sonverband 288 was used by the Afrika Korps as a regular motorized infantry regiment. It was redesignated as Panzergrenadier-Regiment Afrika on 31.10.1942, and completely reorganized.

The 1st Company was the 13 Company of the *Lehr-Regiment Brandenburg zur besonderer Verwendung 800*, an *OKW* unit of the *Ami Ausländischer Abwehr* (Foreign Intelligence Department). It did not have an Army KStN, and normally operated completely independently from the 288th Special Service Unit.

The Brandeburger were not Army (Heer) units. No formalized organization had been discovered in the archives for this unit.

However, according to the book "Die Brandenburger" by Helmuth Spaeter, this company was organized (mid-June 1942) with three combat detachments and one maintenance section as follows:

1st Lieutenant (1st Detachment)
2nd Lieutenant (2nd Detachment)
one Sergeant (3rd Detachment)
102 enlisted men
12 British vehicles
12 British self-propelled 40mm guns
4 Jeeps with HMG
1 radio van
"various" cars
1 water tanker
1 Spitfire (!!) [flown by a *Brandenburg* Pilot-Captain on detached duty]

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



KStN 24 Headquarters, Motorized Higher Artillery Command (Harko)

1.02.1941 Harko Hqs: 2 mcl; 1 mcl w/sc; 2 bicycles; 2 cars (light); 1 car (15); 1 car (heavy); 1 trucks (light).

NOTES:

A division-level echelon artillery headquarters, attached to an Army, coordinating all its artillery, both GHQ and divisional. 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, Army, Corps, 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.

There were 13 Headquarters, Motorized Higher Artillery Command on 28.06.1942.

| | |
|-----|------------------------------------|
| 301 | Heeresgruppe D |
| 302 | 4th Army, Army Group Center |
| 303 | 18th Army, Army Group North |
| 304 | 17th Army, Army Group South |
| 305 | 2nd Panzer Army, Army group Center |
| 306 | 11th Army, Army Group South |
| 307 | 9th Army, Army Group Center |
| 308 | 2nd Army, Army Group South |
| 309 | 16th Army, Army Group North |
| 310 | 6th Army, Army Group South |
| 311 | 1st Panzer Army, Army Group South |
| 312 | 4th Panzer Army, Army Group South |
| 313 | 3rd Panzer Army, Army Group Center |

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



KStN 25 *) Headquarters, Motorized Artillery Command (Arko)

1.02.1941 Arko Hqs: 5 mcl; 3 cars (1); 3 cars (15); 1 bus (light/15 seats); 1 van (3-ton).

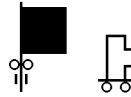
NOTES:

A brigade-level echelon artillery headquarters, responsible for coordinating all artillery within a corps.

There were 53 Headquarters, Motorized Artillery Command on 28.06.1942.

| | |
|-----|--|
| 2 | XXXVIII Corps, 18th Army, Army Group North |
| 3 | III Panzer Corps, 1st Panzer Army, Army Group South |
| 6 | XI Corps, 1st Panzer Army, Army Group South |
| 7 | VII Corps, 2nd Army, Army Group South |
| 18 | L Corps, 18th Army, Army Group North |
| 19 | X Corps, 16th Army, Army Group North |
| 24 | XXVIII Corps, 18th Army, Army Group North |
| 30 | XXXXI Motorized Corps, 3 Panzer Army, Army Group Center |
| 35 | XXXIX Motorized Corps, 16th Army, Army Group North |
| 101 | XXXXVI Panzer Corps, 9th Army, Army Group Center |
| 102 | XXIX Corps, 6th Army, Army Group South |
| 103 | LIX Corps, Army Group South Reserves |
| 105 | II Corps, 16th Army, Army Group North |
| 107 | XX Corps, 3 Panzer Army, Army Group Center |
| 108 | XXXXVIII Panzer Corps, 4 Panzer Army, Army Group South |
| 109 | XXXVI Mountain Corps, 20th Mountain Army |
| 110 | XXX Corps, 11th Army, Army Group South |
| 112 | XII Corps, 4th Army, Army Group Center |
| 113 | XXVI Corps, 18th Army, Army Group North |
| 114 | XXXXII Corps, 11th Army, Army Group South |
| 115 | XXV Corps, 7th Army, Army Group D |
| 116 | LXXX Corps, 1st Army, Army Group D |
| 117 | LXXXI Corps, 15th Army, Army Group D |
| 118 | IX Corps, 3rd Panzer Army, Army Group Center |
| 119 | Comander of German Army Troops in the Netherlands |
| 121 | LVII Corps, Army Group Center Reserves |
| 122 | XXIII Corps, 9th Army, Army Group Center |
| 123 | I Corps, 18th Army, Army Group North |
| 124 | LV Corps, 2nd Army, Army Group South |
| 125 | LVI Panzer Corps, 4th Army, Army Group Center |
| 126 | VI Corps, 9th Army, Army Group Center |
| 127 | XVIII Mountain Corps, 20th Mountain Army Reserves |
| 128 | XXXX Motorized Corps, 6th Army, Army Group South |
| 129 | XIV Panzer Corps, Group von Förster, Army Group South |
| 130 | XXVII Corps, 9th Army, Army Group Center |
| 132 | XXXIX Mountain Corps, 17th Army, Army Group South |
| 133 | XXXXIII Corps, 4th Army, Army Group Center |
| 134 | XXXXIV Corps, 1st Panzer Army, Army Group South |
| 136 | XXXV Corps, 2nd Panzer Army, Army Group Center |
| 137 | XVII Corps, 6th Army, Army Group South |
| 138 | LIV Corps, 11th Army, Army Group South |
| 139 | XIII Corps, 4th Panzer Army, Army Group South |
| 140 | LII Corps, 17th Army, Army Group South |
| 141 | Army Group D Reserves (?) |
| 143 | XXIV Panzer Corps, 4th Panzer Army, Army Group South |
| 144 | IV Corps, 17th Army, Army Group South |
| 145 | VIII Corps, 6th Army, Army Group South |
| 146 | XXXXVII Panzer Corps, 2nd Panzer Army, Army Group Center |
| 147 | IX Corps, 3rd Panzer Army, Army Group Center |
| 148 | LIII Corps, 2nd Panzer Army, Army Group Center |
| 149 | V Corps, Army Group South Reserves |
| 153 | LI Corps, 1st Panzer Army, Army Group South |

**STAB, ARTILLERIE-REGIMENT (motorisiert)
Headquarters, Motorized Artillery Regiment**



KStN 411 *) Headquarters, Motorized Artillery Regiment
1.11.1941 Rgt Hqs: 1 mcl; 3 cars (1); 1 car (15); 1 van (3-ton).
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Rgt Hqs Trains: 1 car (light); 3 trucks (medium).

KStN 561 *) Signal Platoon, Motorized Artillery Regiment
1.11.1941 Hqs Sect: 1 mcl; 1 car (15).
1 Med Tele Sect *b*: 1 car (15); 1 van (76).
3 Hvy Tele Sect *a*: 1 car (2); 1 van (23).
4 Lt Radio Sect *b*: 1 van (17).
1 Lt Radio Sect *c*: 1 van (17/1).

NOTES:

A Headquarters, Motorized Artillery Regiment was a unit normally assigned to coordinate all artillery organic and attached to a division, performing the same functions and missions as the Harko and the Arko. In special cases, this rule of thumb could be changed to fit the situation. The headquarters units were assigned to coordinate the GHQ artillery, (and sometimes also the divisional artillery) within a command. They were in charge of recognizing the main points of effort in conjunction with the superior headquarters to which they were attached. In addition, they were to coordinate the fire of the divisional artillery within their sector. They determined the artillery observation missions (artillery observation battalions and batteries, as well as aerial reconnaissance and spotting), and set down the framework for the communications network of all the artillery it had been given to supervise.

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 defenses 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.

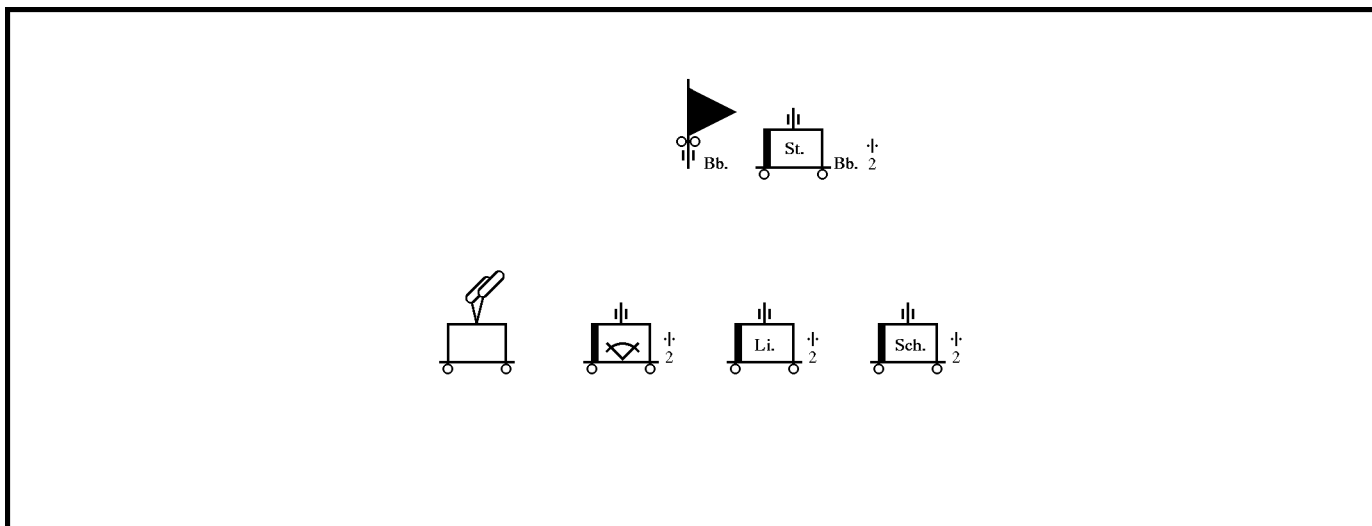
3. The mission of the friendly artillery. The Germans expected to achieve fire superiority only if at least a 2:1 ratio over the enemy artillery could be achieved. Naturally, the amount and type of enemy artillery determined to a great extent whether field howitzers or heavy guns should be used, and 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 counter-attack missions.

There were 26 Headquarters, Motorized Artillery Regiments on 28.06.1942.

| | |
|-------------------|--|
| 41 | VIII Corps, 6th Army, Army Group South |
| 49 | 11th Army, Army Group South |
| 69 | 9th Army, Army Group Center |
| 70 | XXXX Corps, 6th Army, Army Group South |
| 109 | 4th Army, Army Group Center |
| 110 | 18th Army, Army Group North |
| 221 | German Africa Corps (D.A.K.) |
| 511 | 1st Panzer Army, Army Group South |
| 603 ¹⁾ | 16th Army, Army Group North |
| 609 | 18th Army, Army Group North |
| 610 | 18th Army, Army Group North |
| 612 | 2nd Army, Army Group South |
| 617 | 17th Army, Army Group South |
| 618 | 2nd Army, Army Group South |
| 623 | 12th Army |
| 627 | 6th Army, Army Group South |
| 677 | 2nd Army, Army Group South |
| 704 | 1st Panzer Army, Army Group South |
| 782 | 18th Army, Army Group North |
| 783 | 6th Army, Army Group South |
| 785 | 11th Army, Army Group South |
| 786 | 2nd Panzer Army, Army Group South |
| 787 | 11th Army, Army Group South |
| 788 | 3 Panzer Army, Army Group Center |
| 792 | Reserves, Army Group South |
| 802 | 18th Army, Army Group North |
| 818 | 18th Army, Army Group North |

1) the 603. Stab, Art. Rgt. was dissolved on 5.07.1942

[LEICHTE] BEOBACHTUNGS-ABTEILUNG (motorisiert)
Motorized [Light] Artillery Observation Battalion



KStN 533 *) Headquarters, Motorized [Light] Artillery Observation Battalion

1.11.1941 Bn Hqs: 1 mcl; 3 cars (1); 1 van (light).

KStN 540 *) Headquarters Battery, Motorized [Light] Artillery Observation Battalion

1.11.1941

Hqs Sect: 1 mcl; 1 cars (3).

Signal Plt: Hqs Sect: 1 car (15).
 2 Med Tele Sect *b*: 1 car (15); 1 van (76).
 4 Lt Radio Sect *b*: 1 van (17).

Printing Sect: 1 mcl; 1 truck (medium); 1 van (62); 1 trailer (generator).

Photographic Sect: 1 mcl; 1 van (62); 1 trailer (generator).

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

1 Wind Gauge Sect: 1 car (3).
 1 Temperature Measurement Sect: 1 van (62).
 3 Azimuth Sect: 1 van (62).
 1 Med Radio Sect *b*: 1 car (15); 1 van (76).

Bn Maint Det: 1 car (1); 2 trucks (medium); 2 vans (42); 2 trailers (generator).

Bn Trains: 2 trucks (medium).

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

Bty Trains: 1 car (light); 1 AA car (4 w/ dual MG); 3 trucks (medium).

KStN 534 Motorized Calibration Battery

1.11.1941

Bty Hqs: 3 mcl; 1 car (16).

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

1 Evaluation Plt: Hqs Sect: 1 mcl w/sc; 1 car (16).

1 Evaluation Sect: 1 van (62); 1 trailer (generator).
 1 Evaluation Sect: 1 van (62).
 1 Support Sect: 1 AA car (4 w/ dual MG); 1 van (64).

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

Bty Trains: 1 mcl; 4 trucks (light); 1 truck (2-ton); 1 truck (medium).

KStN 535 Motorized Sound Ranging Battery

1.11.1941

Bty Hqs: 4 mcl; 1 car (16).

1 Warning Plt: Hqs Sect: 1 car (3).
 2 Sect: 1 car (16).

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

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

1 Reserve Sound Ranging Sect: 1 car (16); 1 van (63).

1 Evaluation Plt: Hqs Sect: 1 mcl w/sc; 2 cars (light).

2 Recording Sect: 1 van (62).
 1 Evaluation Sect: 1 van (62); 1 trailer (generator).
 1 Evaluation Sect: 1 van (62).
 1 Support Sect: 1 AA car (4 w/ dual MG); 1 van (64).

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

Bty Trains: 1 mcl; 4 trucks (light); 1 truck (2-ton); 1 truck (medium).

KStN 536 *) Motorized Flash Ranging Battery

1.11.1941

Bty Hqs: 4 mcl; 1 car (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; 2 cars (light).

2 Recording Sect: 1 van (62).
 1 Evaluation Sect: 1 van (62); 1 trailer (generator).
 1 Evaluation Sect: 1 van (62).
 1 Support Sect: 1 AA car (4 w/ dual MG); 1 van (64).

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

Bty Trains: 1 mcl; 4 trucks (light); 1 truck (2-ton); 1 truck (medium).

KStN 542 *) Motorized Balloon Platoon

15.04.1942

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

2 Balloon Sect: 1 truck (4.5-ton); 1 trailer (winch).

1 Gas Sect: 1 truck (44); 1 trailer (gas bottles).

NOTES:

The battalions were in the process of converting to the light organization. The new light artillery observation battalion organization did not include the Calibration Battery, and only authorized a Flash and a Sound Ranging Battery each.

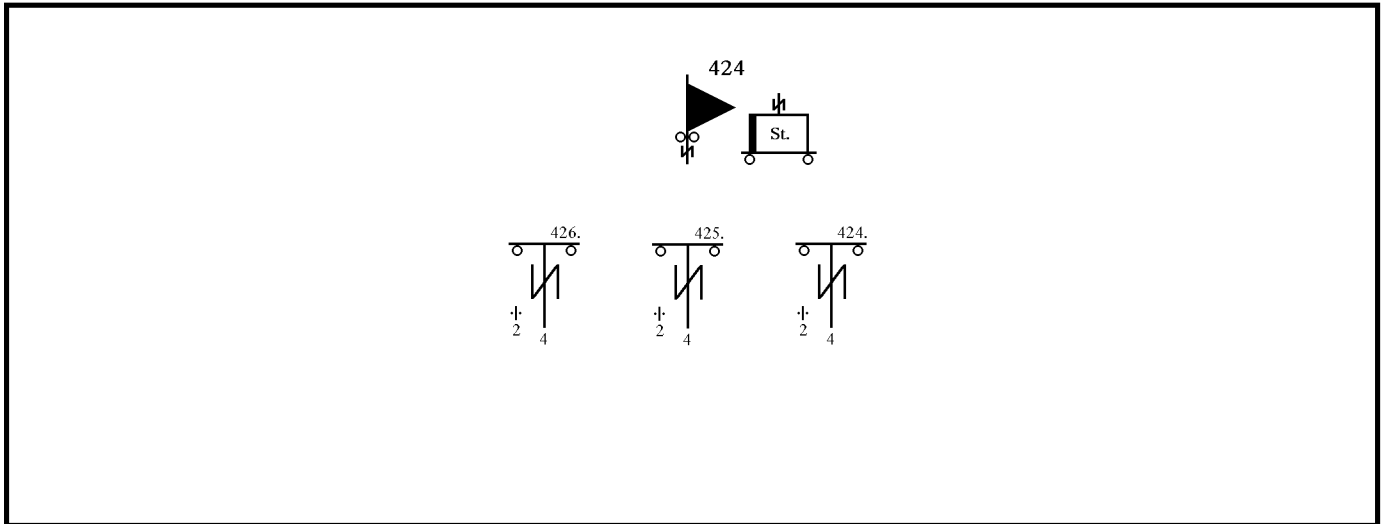
About half of the battalions had a balloon platoon at this time. The rest were to receive one by the end of the year.

There were 36 Motorized Artillery Observation Battalions on 28.06.1942.

| Balloon Platoon | Converted to Light | Assigned to |
|-----------------|--------------------|---|
| 1. | B 1.04.42 | 305 Harko, Army Group Center |
| 2. | B 25.04.42 | 315 Harko, 3 Pz Army, Army Group Center |
| 3. | B 1.03.42 | 308 Harko, Army Group Center |
| 4. | B 15.02.42 | X Corps, 16 Army, Army Group North |
| 5. | - 26.06.42 | 16th Army, Army Group North |
| 6. | B 1.03.42 | Army Group Center |
| 7. | - 04.42 | 6th Army, Army Group South |
| 8. | B 28.06.42 | Army Group Center |
| 9. | B 1.03.42 | Army Group Center |
| 11. | - 13.07.42 | Pz Army Africa |
| 12. | B 15.02.42 | 303 Harko, Army Group North |
| 13. | - 21.02.42 | Army Group South |
| 14. | - 06.42 | (East Front) |
| 15. | - 10.03.42 | 2nd Army, Army Group South |
| 16. | - 15.02.42 | 6th Army, Army Group South |
| 17. | B 1.04.42 | 305 Harko, Army Group Center |
| 19. | - 1.04.42 | Army Group Center |
| 20. | B 28.06.42 | 4th Army, Army Group Center |
| 22. | B 03.42 | 17th Army, Army Group South |
| 23. | - 1.05.42 | 17th Army, Army Group South |
| 24. | - 17.04.42 | Army Group North |
| 25. | - 1.04.42 | 6th Army, Army Group South |
| 26. | B 1.05.42 | 18th Army, Army Group North |
| 27. | - 1.06.42 | 1st Pz Army, Army Group South |
| 28. | - 1.04.42 | 6th Army, Army Group South |
| 29. | - 10.02.42 | Army Group South |
| 30. | B 1.04.42 | Army Group North |
| 31. | - 20.05.42 | 11th Army, Army Group South |
| 32. | B 1.04.42 | Army Group South |
| 33. | - 1.06.42 | Army Group D |
| 34. | - 5.04.42 | Army Group South |
| 35. | B 15.03.42 | 3 Pz Army, Army Group Center |
| 36. | - 21.03.42 | 6th Army, Army Group South |
| 40. | B 04.42 | Army Group South |
| 44. | - 20.03.42 | Army Group South |
| 555. | - 03.42 (?) | 11th Army, Army Group South [1] |
| 556. | - 03.42 (?) | Army Group D [2] |

[1] Redesignated as 39. leichte Beobachtungs-Abteilung (mot) on 30.06.1942.
 [2] Redesignated as 43. leichte Beobachtungs-Abteilung (mot) on 01.07.1942.

LEICHTGESCHÜTZ-ABTEILUNG (motorisiert)
Motorized Recoilless Artillery Battalion



KStN 406 **Headquarters, Motorized Recoilless Artillery Battalion**
 13.04.1942 Bn Hqs: 3 mcl; 1 mcl w/sc; 1 car (1); 3 cars (15).

KStN 595 *) **Headquarters Battery, Motorized Recoilless Artillery Battalion**
 1.11.1941

Hqs Sect: 1 car (15).
 Signal Plt: Hqs Sect: 1 car (15); 1 truck (2-ton).
 1 Med Tele Sect *b*: 1 car (15); 1 van (76).
 3 Lt Tele Sect *c*: 1 car (15).
 4 Pack Radio Sect *d*: 1 car (2).
 1 Lt Radio Sect *e*: 1 van (17/1).
 Bty Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Bty Trains: 1 car (light); 1 AA car (4 w/ dual MG); 2 trucks (light); 4 trucks (medium).
 Bn Maint Det: 1 car (light); 5 trucks (medium).

KStN 438 *) **Motorized 105mm Recoilless Gun Battery**
 1.11.1941

Bty Hqs: 1 mcl; 4 cars (1).
 Signal Det: Hqs Sect: 1 car (15).
 2 Med Tele Sect *b*: 1 car (15); 1 van (76).
 3 Pack Radio Sect *f*: 1 car (2).
 Firing Battery: Hqs Sect: 1 mcl; 1 car (1); 1 AA car (4 w/ dual MG); 1 car (15); 1 halftrack (10).
 Ammo Sect: 1 car (light); 2 trucks (3-ton).
 2 Gun Sect: 2 halftracks (10); 2 Recoilless Guns (105mm – towed).
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Bty Trains: 4 trucks (medium).

Specifications of the 105mm Recoilless Gun:

| | | |
|--------------------|--------------------|----------------------|
| Designation: | 10,5cm LG2 42 (Rh) | 10,5cm LG2 40/2 (Kp) |
| Manufactured by: | Dürrkopp | Krupp |
| Introduced in: | 1941 | 1941 |
| Trailer loads: | one | one |
| Caliber: | 105mm | 105mm |
| Barrel length: | L/17.5 | L/18 |
| Range: | ca. 8,000 meters | ca. 8,000 meters |
| Ammo weight: | 14.8 kilos | 14.8 kilos |
| Unlimbered weight: | 490 kilos | 431 kilos |
| Limbered weight: | 550 kilos | 476 kilos |
| Traverse: | 35° / 35° | 40° / 40° |
| Elevation: | - 15° to +42° | - 15° to +42° |
| Rate of Fire: | 7 rpm | 7 rpm |
| (Rh) = Rheinmetall | (Kp) = Krupp | |

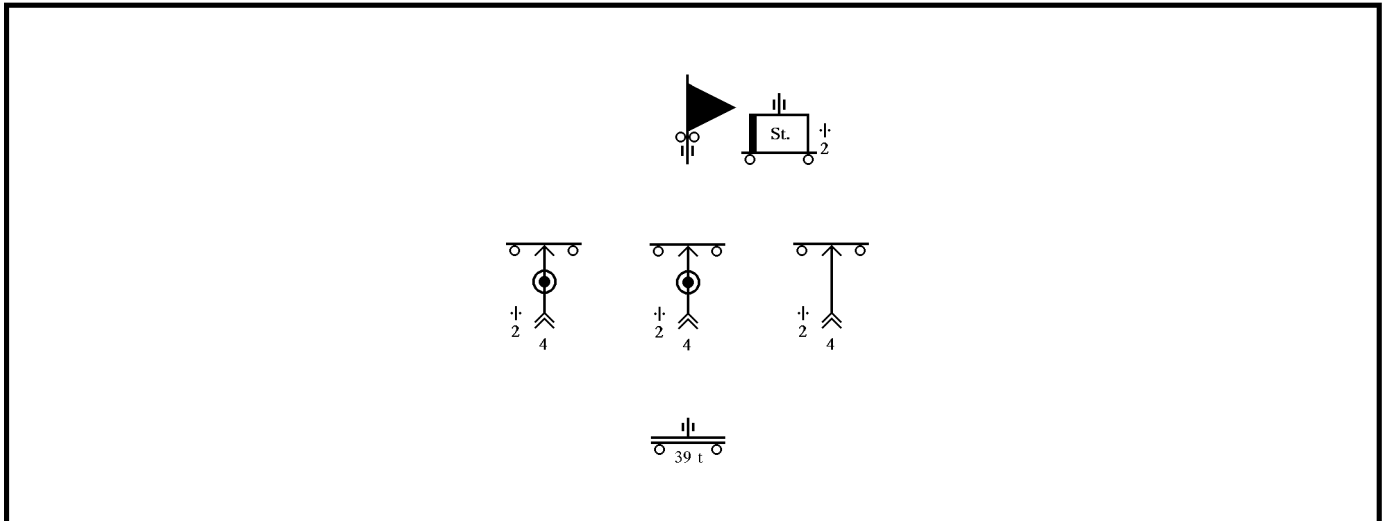
NOTES:

The recoilless 105mm guns were light, highly mobile weapons, created especially for the Luftwaffe airborne troops. The Army also found it a useful weapon in the arctic, where the permafrost was a major problem. This light, recoilless weapon delivered approximately the same payload as a 105mm light field howitzer, albeit at shorter ranges.

There was one Motorized Recoilless 105mm Gun Battalion and four independent batteries in the German Army on 28.06.1942.

| | |
|-------------------------|-------------------|
| 424. LG Abteilung (mot) | 20. Gebirgs-Armee |
| 423. LG Batterie (mot) | 20. Gebirgs-Armee |
| 429. LG Batterie (mot) | 20. Gebirgs-Armee |
| 433. LG Batterie (mot) | 20. Gebirgs-Armee |
| 443. LG Batterie (mot) | 20. Gebirgs-Armee |

GEMISCHTER ARTILLERY-ABTEILUNG (motorisiert)
Motorized Mixed Artillery Battalion



KStN 406
1.11.1941

Headquarters, Motorized Artillery Battalion

Bn Hqs: 3 mcl; 1 mcl w/sc; 1 car (1); 3 cars (15); 1 truck (medium).

KStN 584
1.11.1941

Headquarters Battery, Motorized Artillery Battalion

Hqs Sect: 1 car (15).

Signal Plt: Hqs Sect: 1 car (15); 1 truck (2-ton).

1 Med Tele Sect *b*: 1 car (15); 1 van (76).

3 Lt Tele Sect *c*: 1 car (15).

3 Pack Radio Sect *d*: ride in Platoon Headquarters truck.

1 Pack Radio Sect *d*: 1 car (2).

1 Lt Radio Sect *c*: 1 van (17/1).

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

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

Bty Trains: 1 car (light); 1 AA car (4 w/ dual MG); 2 trucks (light); 4 trucks (medium).

Bn Maint Det: 1 car (light); 5 trucks (medium).

KStN 511
1.02.1941

Motorized Light Artillery Column (The column capacity was achieved by varying the number of medium trucks)

Col: 2 mcl; 1 mcl w/sc; 2 trucks (light); 18 trucks (medium).

KStN 462 *)
1.11.1941

Motorized 150mm Field-Howitzer Battery

Bty Hqs: 3 mcl; 3 cars (15).

Signal Det: Hqs Sect: 1 car (15).

1 Med Tele Sect *b*: 1 car (15); 1 van (76).

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

1 Pack Radio Sect *f*: 1 car (2).

1 Lt Radio Sect *c*: 1 van (17/1).

Firing Battery: Hqs Sect: 1 mcl; 1 car (1); 1 AA car (4 w/ dual MG); 1 car (15); 1 halftrack (7).

Ammo Sect: 1 car (light); 4 trucks (3-ton).

2 Gun Sect: 2 halftracks (7); 2 Field Howitzers (150mm – towed).

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

Bty Trains: 4 trucks (medium).

KStN 454
1.11.1941

Motorized 105mm Gun Battery

Bty Hqs: 3 mcl; 3 cars (15).

Signal Det: Hqs Sect: 1 car (15).

1 Med Tele Sect *b*: 1 car (15); 1 van (76).

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

1 Pack Radio Sect *f*: 1 car (2).

1 Lt Radio Sect *c*: 1 van (17/1).

Firing Battery: Hqs Sect: 1 mcl; 1 car (1); 1 AA car (4 w/ dual MG); 1 car (15); 1 halftrack (7).

Ammo Sect: 1 car (light); 4 trucks (3-ton).

2 Gun Sect: 2 halftracks (7); 2 Guns (105mm – towed).

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

Bty Trains: 4 trucks (medium).

NOTES:

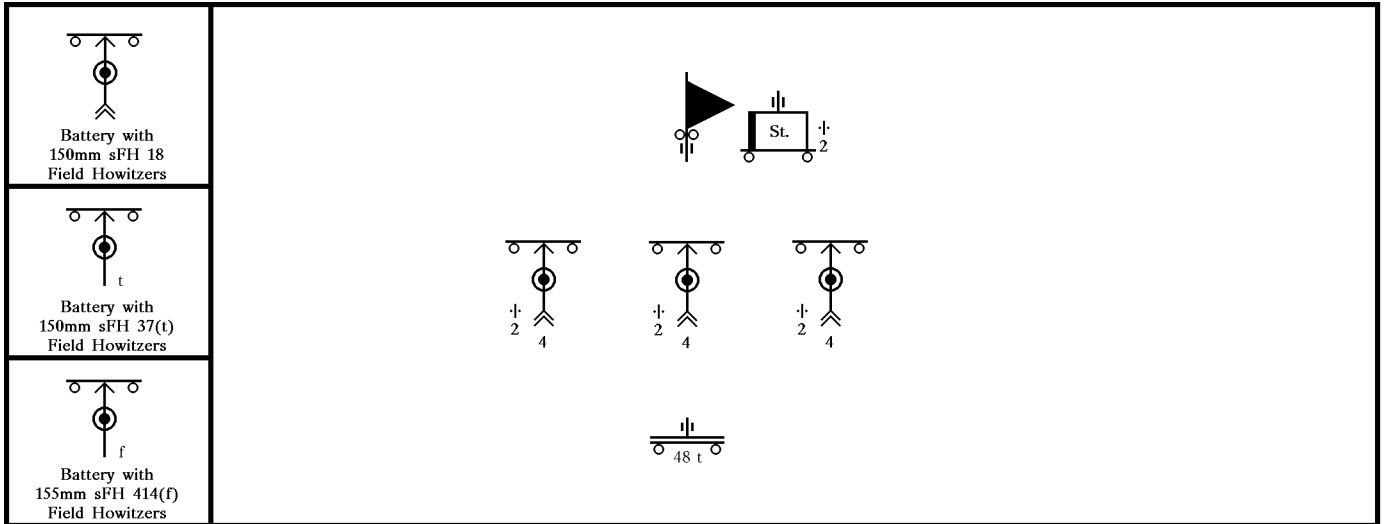
German tactical doctrine foresaw the use of GHQ artillery in general support and in direct support. The entire battalion was considered as the firing unit. Breaking the battalion down into individual batteries was the exception to the rule, justified only when the battalion had several missions at the same time, or when the terrain did not permit unified control by the battalion headquarters. Commitment of single guns was normally against German tactical doctrine, although the concept of the roving gun was used. The roving gun moved around during the battle and fired from different positions to confuse the enemy counter-battery units.

A further tactic to make location of the battalion and identification of its weapons more difficult was to fire from two or three previously prepared alternating positions, carefully fortified and with ammunition already in place. Flash and smoke simulators were also used to increase the difficulty of visual and sound-ranging location. German artillery would often engage targets from lateral positions. This form of deception, particularly with the longer range guns, was enhanced by employing another gun, often of a lighter caliber, in a carefully timed and coordinated attack on the same target.

There were 12 Motorized Mixed Artillery Battalions on 28.06.1942.

| | | |
|--------|---------------|--|
| II/40 | 39-ton Column | 6th Army, Army Group South |
| II/51 | 39-ton Column | Reserves, Army Group South |
| II/52 | 39-ton Column | Reserves (?), Army Group South |
| II/54 | 39-ton Column | Reserves, Army Group South |
| II/61 | 24-ton Column | IX Corps, 3 Pz Army, Army Group Center |
| II/65 | 39-ton Column | 6th Army, Army Group South |
| II/70 | 39-ton Column | I Corps, 18th Army, Army Group North |
| II/71 | 24-ton Column | Reserves, Army Group Center |
| I/106 | 24-ton Column | 18th Army, Army Group North |
| I/108 | 24-ton Column | 2nd Army Army Group South |
| IV/109 | 24-ton Column | 9th Army, Army Group Center |
| 602 | 39-ton Column | 1st Pz Army, Army Group South |

SCHWERE FELDHAUBITZEN-ABTEILUNG (motorisiert)
Motorized Heavy Field Howitzer Battalion



StN 406 Headquarters, Motorized Artillery Battalion

1.11.1941 Bn Hqs: 3 mcl; 1 mcl w/sc; 1 car (1); 3 cars (15).

KStN 584 Headquarters Battery, Motorized Artillery Battalion

1.11.1941 Hqs Sect: 1 car (15).

- Signal Plt: Hqs Sect: 1 car (15); 1 truck (2-ton).
- 1 Med Tele Sect *b*: 1 car (15); 1 van (76).
- 3 Lt Tele Sect *c*: 1 car (15).
- 3 Pack Radio Sect *d*: ride in Platoon Headquarters truck.
- 1 Pack Radio Sect *d*: 1 car (2).
- 1 Lt Radio Sect *c*: 1 van (17/1).
- Calibration Det: 2 mcl; 1 car (3); 1 truck (2-ton).
- Bty Maint Sect: 1 mcl w/sc; 1 car (2/40).
- Bty Trains: 1 car (light); 1 AA car (4 w/ dual MG); 2 trucks (light); 4 trucks (medium).
- Bn Maint Det: 1 car (light); 5 trucks (medium).

KStN 511 Motorized Light Artillery Column (The column capacity was achieved by varying the number of medium trucks)

1.02.1941 Col: 2 mcl; 1 mcl w/sc; 2 trucks (light); 18 trucks (medium).

KStN 462 *) Motorized 150mm Field-Howitzer Battery

1.11.1941 Bty Hqs: 3 mcl; 3 cars (15).

- Signal Det: Hqs Sect: 1 car (15).
- 1 Med Tele Sect *b*: 1 car (15); 1 van (76).
- 1 Lt Tele Sect *c*: 1 car (15).
- 1 Pack Radio Sect *f*: 1 car (2).
- 1 Lt Radio Sect *c*: 1 van (17/1).
- Firing Battery: Hqs Sect: 1 mcl; 1 car (1); 1 AA car (4 w/ dual MG); 1 car (15); 1 halftrack (7).
- Ammo Sect: 1 car (light); 4 trucks (3-ton).
- 2 Gun Sect: 2 halftracks (7); 2 Field Howitzers (150mm – towed).
- Maint Sect: 1 mcl w/sc; 1 car (2/40).
- Bty Trains: 4 trucks (medium).

NOTES:

The heavy 150mm field howitzer also equipped the artillery regiments of all divisions, whether infantry, mountain, motorized, or Panzer. It was basically an enlarged version of the 105mm light field howitzer. The heavy field howitzer battalions were used mainly to reinforce the divisional artillery, which had identical equipment in its heavy battalions.

The high explosive (HE) shells fired by the s.FH were mainly conceived as being anti-personnel rounds, although the batteries were also equipped with smoke and concrete-piercing rounds.

The barrel of the howitzer was retracted while limbered, and was pulled forward when unlimbering by means of a hand winch.

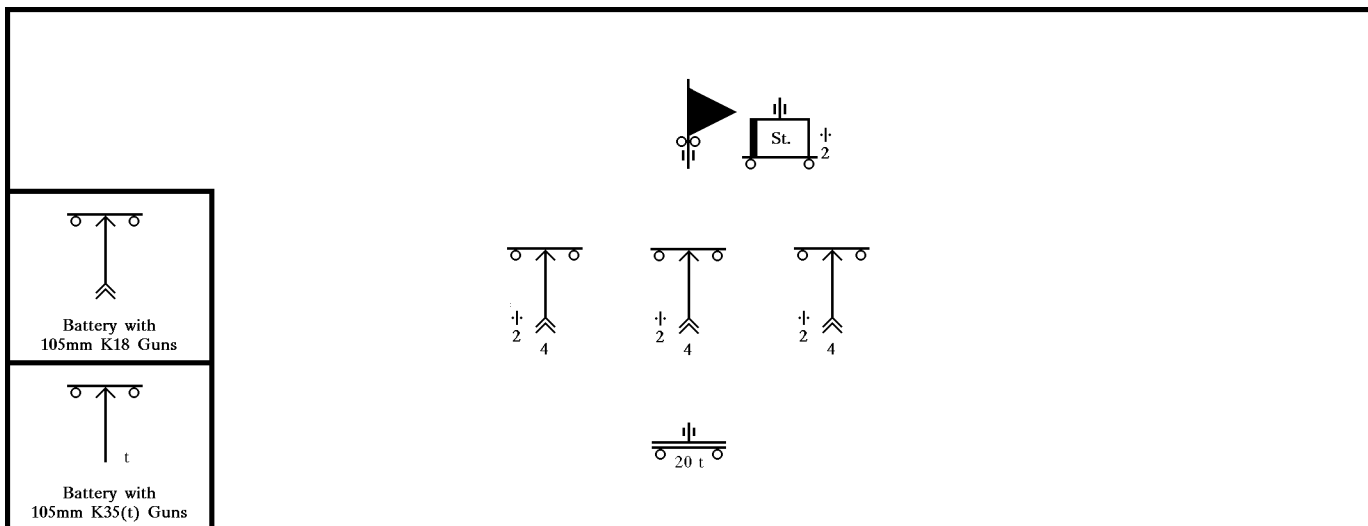
There were 31 Motorized Heavy 150mm Field Howitzer Battalions on 28.06.1942.

| <i>Specifications of the heavy 150mm Field Howitzers:</i> | | | |
|---|---------------------|---------------|----------------------|
| Designation: | s.FH 18 | s.FH 37(t) | s.FH 414(f) |
| Manufactured by: | Krupp & Rheinmetall | Skoda | Schneider/Le Creusot |
| Introduced in: | 1933/34 | 1939 | 1917 |
| Trailer loads: | one | one | one |
| Caliber: | 149.1mm | 150mm | 155mm |
| Barrel length: | L/29.5 | L/24 | L/15 |
| Range: | 13,325 meters | 15,750 meters | 10,500 meters |
| Ammo weight: | 43.5 kilos | 42 kilos | 43 kilos |
| Unlimbered weight: | 5,512 kilos | 5,320 kilos | 3,300 kilos |
| Limbered weight: | 6,304 kilos | – | – |
| Traverse: | 60° / 60° | – | – |
| Elevation: | 0° to +45° | – | – |

| | | |
|----------------------|---------------|---------------------------------------|
| II/37 | 48-ton Column | Army Group North |
| II/39 | 48-ton Column | Army Group Center |
| II/42 | 48-ton Column | Army Group Center |
| II/43 | 48-ton Column | Army Group Center |
| II/46 | 48-ton Column | 6th Army, Army Group South |
| II/47 | 48-ton Column | Army Group North |
| II/58 | 48-ton Column | Army Group North |
| II/59 | 48-ton Column | Army Group South |
| II/63 | 48-ton Column | Army Group South |
| II/66 | 48-ton Column | Army Group Center |
| II/67 | 48-ton Column | Army Group North |
| I/77 ¹⁾ | 20-ton Column | Army Group South |
| 101 | 48-ton Column | 6th Army, Army Group South |
| II/111 ²⁾ | – | Army Group Center |
| 154 ¹⁾ | 48-ton Column | 11th Army, Army Group South |
| 422 | 48-ton Column | 2nd Pz Army, Army Group Center |
| 506 | 48-ton Column | 4th Army, Army Group Center |
| 526 | 48-ton Column | 16th Army, Army Group North |
| 536 | 48-ton Column | 16th Army, Army Group North |
| 716 ³⁾ | 48-ton Column | 12th Army |
| 737 ¹⁾ | 32-ton Column | 11th Army, Army Group South |
| III/818 | 48-ton Column | 2nd Army, Army Group South |
| 841 | 48-ton Column | 2nd Pz Army, Army Group Center |
| 843 | 48-ton Column | 3 Pz Army, Army Group Center |
| 844 | 48-ton Column | 17th Army, Army Group South |
| 845 | – | 3 Pz Army, Army Group Center |
| 846 | 48-ton Column | 18th Army, Army Group North |
| 848 | – | 9th Army, Army Group Center |
| 850 | 48-ton Column | 6th Army, Army Group South |
| 851 | 48-ton Column | IV Corps, 17th Army, Army Group South |
| 852 | 20-ton Column | 20 Mountain Army |

1) These three battalions were equipped with Czech sFH 37(t) equipment.
 2) This battalion had only two batteries.
 3) This battalion was equipped with French sFH 414(f) equipment.

**10cm KANONEN-ABTEILUNG (motorisiert)
Motorized 105mm Gun Battalion**



KStN 406 **Headquarters, Motorized Artillery Battalion**
1.11.1941 Bn Hqs: 3 mcl; 1 mcl w/sc; 1 car (1); 3 cars (15).

KStN 584 **Headquarters Battery, Motorized Artillery Battalion**
1.11.1941 Hqs Sect: 1 car (15).
Signal Plt: Hqs Sect: 1 car (15); 1 truck (2-ton).
1 Med Tele Sect *b*: 1 car (15); 1 van (76).
3 Lt Tele Sect *c*: 1 car (15).
3 Pack Radio Sect *d*: ride in Platoon Headquarters truck.
1 Pack Radio Sect *d*: 1 car (2).
1 Lt Radio Sect *c*: 1 van (17/1).
Calibration Det: 2 mcl; 1 car (3); 1 truck (2-ton).
Bty Maint Sect: 1 mcl w/sc; 1 car (2/40).
Bty Trains: 1 car (light); 1 AA car (4 w/ dual MG); 2 trucks (light); 4 trucks (medium).
Bn Maint Det: 1 car (light); 5 trucks (medium).

KStN 511 **Motorized Light Artillery Column** (The column capacity was achieved by varying the number of medium trucks)
1.02.1941 Col: 2 mcl; 1 mcl w/sc; 2 trucks (light); 18 trucks (medium).

KStN 454 **Motorized 105mm Gun Battery**
1.11.1941 Bty Hqs: 3 mcl; 3 cars (15).
Signal Det: Hqs Sect: 1 car (15).
1 Med Tele Sect *b*: 1 car (15); 1 van (76).
1 Lt Tele Sect *c*: 1 car (15).
1 Pack Radio Sect *f*: 1 car (2).
1 Lt Radio Sect *c*: 1 van (17/1).
Firing Battery: Hqs Sect: 1 mcl; 1 car (1); 1 AA car (4 w/ dual MG); 1 car (15); 1 halftrack (7).
Ammo Sect: 1 car (light); 4 trucks (3-ton).
2 Gun Sect: 2 halftracks (7); 2 Guns (105mm – towed).
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Bty Trains: 4 trucks (medium).

NOTES:

The 105mm Gun was designed to be a medium-range counter-battery weapon. In addition to this role, 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 (10cm K18) was towed by its halftrack with the barrel retracted back over the trails and limber, balancing the gun over the gun's wheels, and 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 its firing position, all members of the gun crew had to assist the wincher to pull the barrel forward.

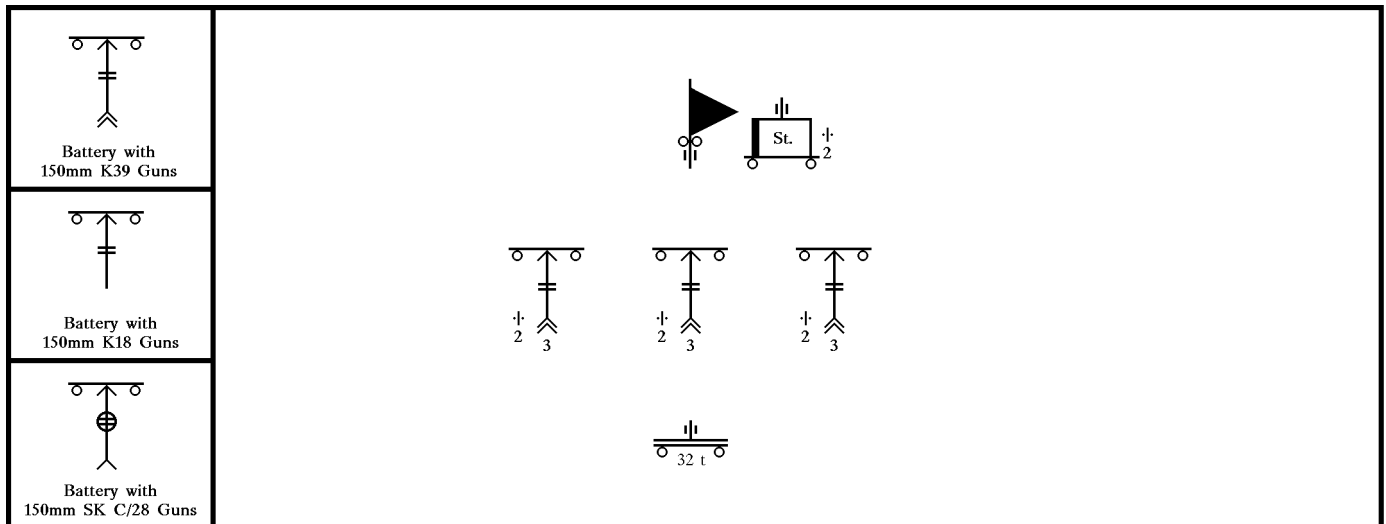
There were 28 Motorized 105mm Gun Battalions in the German Army on 28.06.1942.

| Specifications of the 105mm Gun | | |
|---------------------------------|--|-------------------|
| Designation: | 10cm Kanone 18 | 10cm Kanone 35(t) |
| Manufactured by: | Rheinmetall (barrel) & Krupp (carriage) | Skoda |
| Introduced in: | 1933/34 | 1939 |
| Trailer loads: | one | one |
| Caliber: | 105mm | 105mm |
| Barrel length: | L/52 | L/42 |
| Range: | 19,075 meters | 18,300 meters |
| Ammo weight: | 15.1 kilos | 18 kilos |
| Unlimbered weight: | 5,542 kilos | 4,200 kilos |
| Limbered weight: | 6,434 kilos | – |
| Traverse: | 60° / 60° | – |
| Elevation: | 0° to +45° | – |

| | | |
|-------------------|---------------|---|
| II/41 | 20-ton Column | 2nd Pz Army, Army Group Center |
| II/53 | 20-ton Column | VIII Corps, 6th Army, Army Group South |
| II/57 | 20-ton Column | 9th Army, Army Group Center |
| II/60 | 20-ton Column | III Mot. Corps, 1st Pz Army, Army Group South |
| II/62 | 20-ton Column | Reserves, Army Group South |
| II/64 | 20-ton Column | Reserves, Army Group South |
| II/68 | 20-ton Column | IX Corps, 3 Pz Army, Army Group Center |
| II/69 | 20-ton Column | LIII Corps, 2nd Pz Army, Army Group Center |
| II/72 | 20-ton Column | IV Corps, 4 Pz Army, Army Group South |
| 151 | 20-ton Column | 1st Panzer Army, Army Group South (?) |
| 153 | 20-ton Column | 18th Army, Army Group North |
| 408 | 20-ton Column | German Africa Corps (D.A.K.), Pz Army Afrika |
| 427 | 20-ton Column | 4th Army, Army Group Center |
| 430 | 10-ton Column | 6th Army, Army Group South |
| 436 | 20-ton Column | 16th Army, Army Group North |
| 445 | 20-ton Column | 4th Army, Army Group Center |
| 611 | 20-ton Column | 9th Army, Army Group Center |
| 631 | 20-ton Column | 6th Army, Army Group South |
| 633 | 10-ton Column | 18th Army, Army Group North |
| 634 | 20-ton Column | WK XVII |
| 709 | 10-ton Column | ? |
| 711 | 10-ton Column | XXXX Mountain Corps, 6th Army, Army Group South |
| 730 ¹⁾ | 8-ton Column | 20 Mountain Army |
| I/818 | 20-ton Column | 11th Army, Army Group South |
| II/818 | 20-ton Column | 2nd Army, Army Group South |
| 842 | 20-ton Column | 2nd Army, Army Group South |
| 849 | 20-ton Column | 6th Army, Army Group South |

1) 3 Batteries with Czech K35(t) and 1 Battery with 105mm leFH 18.

15cm KANONEN-ABTEILUNG (motorisiert)
Motorized 150mm Gun Battalion

**KStN 406**

1.11.1941

Headquarters, Motorized Artillery Battalion

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

KStN 593 *)

1.11.1941

Headquarters Battery, Motorized Artillery Battalion

Hqs Sect: 1 mcl w/sc.

Signal Plt:

Hqs Sect: 1 car (15).

1 Hvy Tele Sect *a*: 1 car (15); 1 van (76).2 Med Tele Sect *b*: 1 car (15); 1 van (23).3 Lt Tele Sect *c*: 1 car (15).6 Pack Radio Sect *f*: 1 car (2).2 Lt Radio Sect *c*: 1 van (17/1).

Calibration Plt: Hqs Sect: 1 car (3); 1 truck (2-ton).

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

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

Bty Trains: 1 car (light); 1 AA car (4 w/ dual MG); 2 trucks (light); 4 trucks (medium).

Bn Maint Det: 1 car (light); 5 trucks (medium).

KStN 511

1.02.1941

Motorized Light Artillery Column (The column capacity was achieved by varying the number of medium trucks)

Col: 2 mcl; 1 mcl w/sc; 2 trucks (light); 18 trucks (medium).

KStN 473 *)

1.11.1941

Motorized 150mm Gun Battery

Bty Hqs: 4 mcl; 2 cars (15).

Signal Det:

Hqs Sect: 1 car (15).

1 Med Tele Sect *b*: 1 car (15); 1 van (23).1 Hvy Tele Sect *a*: 1 car (2); 1 van (76).3 Pack Radio Sect *f*: 1 car (2).

Firing Battery: Hqs Sect: 4 mcl; 1 car (1); 1 AA car (4 w/ dual MG); 2 cars (15).

1st Ammo Sect: 2 mcl; 1 car (1); 4 trucks (3-ton).

2nd Ammo Sect: 1 mcl; 4 trucks (medium).

3 Gun Sect: 2 halftracks (8); one 150mm Gun in two loads – towed (barrel & cradle).

Support Sect: 5 trucks (4.5-ton).

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

Bty Trains: 4 trucks (medium).

Specifications of the heavy 150mm Guns

| | 15cm Seekanone SK C/28 | 15cm Kanone 18 | 15cm Kanone 39 |
|--------------------|------------------------|------------------|------------------|
| Designation: | Krupp | Rheinmetall | Krupp |
| Manufactured by: | 1940 | 1938 | 1939 |
| Introduced in: | two | two | two |
| Trailer loads: | 150mm | 149.1mm | 149.1mm |
| Caliber: | L/54.9 | L/55 | L/55 |
| Barrel length: | 24,700 meters | 24,800 meters | 24,800 meters |
| Range: | 45.3 kilos | 43.0 kilos | 43.0 kilos |
| Shell weight: | 16,870 kilos | 12,460 kilos | 12,186 kilos |
| Unlimbered weight: | 22,198 kilos (*) | 18,700 kilos (*) | 18,282 kilos (*) |
| Limbered weight: | 16° / 16° (**) | 11° / 11° | 60° / 60° |
| Traverse: | 0° to + 70° | - 2° to + 43° | - 4° to + 45° |
| Elevation: | 2 rounds/minute | 2 rounds/minute | 2 rounds/minute |
| Rate of Fire: | | | |

(*) including both trailers (one for the barrel and one for the cradle)

(**) When mounted on the howitzer cradle, traverse is 360°

NOTES:

The 150mm gun units consisted of a mixed bag of different equipment. The 15cm Seekanone SK C/28 were naval guns taken over by the Wehrmacht in 1940, modernized to some extent by mounting them on howitzer bases.

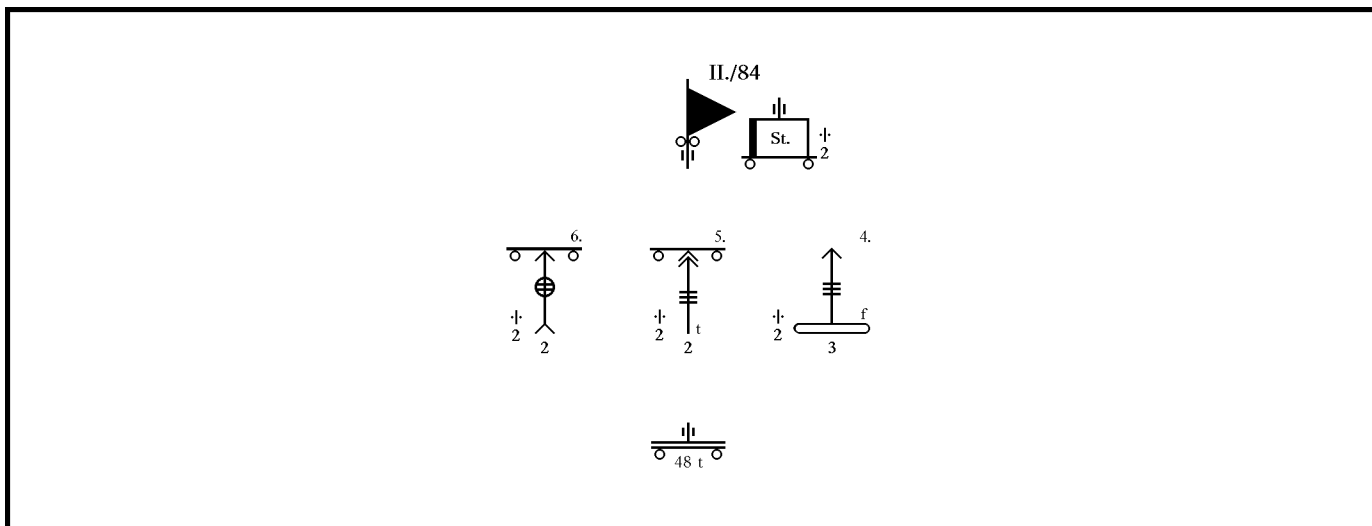
The 150mm guns were being replaced by the much more effective 170mm guns after they had started appearing in 1941. However, the 150mm versions continued in service until the end of the war, with the last ten being built in 1943.

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

There were 8 Motorized 150mm Gun Battalions on 28.06.1942.

| | | | |
|-----|---------------|-------------------------------|---|
| 511 | 32-ton Column | 16th Army, Army Group North | (3 batteries of K39) |
| 620 | 32-ton Column | 9th Army, Army Group Center | (3 batteries of K39) |
| 625 | - | 2nd Army, Army Group South | (3 batteries of K18) |
| 680 | 20-ton Column | 18th Army, Army Group North | (2 batteries of K39, 1 battery of K18) |
| 731 | 32-ton Column | 1st Pz Army, Army Group South | (3 batteries of K18) |
| 740 | 32-ton Column | 9th Army, Army Group Center | (3 batteries of K18) |
| 767 | 10-ton Column | 11th Army, Army Group South | (1 battery of K39, 1 battery of 15cm Seekanone SK C/28 mounted on howitzer cradles) |
| 800 | - | 4 Pz Army, Army Group South | (3 batteries of K39) |

GEMISCHTER SCHWERER KANONEN-ABTEILUNG (motorisiert)
Motorized Heavy Mixed Gun Battalion



KStN 406 **Headquarters, Motorized Artillery Battalion**
 1.11.1941 Bn Hqs: 3 mcl; 1 mcl w/sc; 1 car (1); 3 cars (15).

KStN 593 * **Headquarters Battery, Motorized Artillery Battalion**
 1.11.1941 Hqs Sect: 1 mcl w/sc.
 Signal Plt: Hqs Sect: 1 car (15).
 1 Hvy Tele Sect a: 1 car (15); 1 van (76).
 2 Med Tele Sect b: 1 car (15); 1 van (23).
 3 Lt Tele Sect c: 1 car (15).
 6 Pack Radio Sect f: 1 car (2).
 2 Lt Radio Sect c: 1 van (17/1).
 Calibration Plt: Hqs Sect: 1 car (3); 1 truck (2-ton).
 3 Sect: 2 mcl; 1 car (3); 1 truck (2-ton).
 Bty Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Bty Trains: 1 car (light); 1 AA car (4 w/ dual MG); 2 trucks (light); 4 trucks (medium).
 Bn Maint Det: 1 car (light); 5 trucks (medium).

KStN 511 **Motorized Light Artillery Column** (The column capacity was achieved by varying the number of medium trucks)
 1.02.1941 Col: 2 mcl; 1 mcl w/sc; 2 trucks (light); 18 trucks (medium).

KStN 491 **Motorized 240mm Czech Gun Battery**
 1.11.1941 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).
 1 Lt Radio Sect c: 1 van (17/1).
 2 Pack Radio Sect f: 1 car (2).
 2 Pack Radio Sect f: rides in other battery vehicles.
 Firing Battery: 1 mcl; 2 cars (1); 1 AA car (4 w/ dual MG); 1 car (15); 11 trucks (4.5-ton); 2 halftracks (9);
 8 gasoline-electric prime movers; two 240mm guns in four loads each (left base, right base, cradle, and barrel) on trailers.
 Ammo Det: 1 car (1); 4 trucks (4.5-ton).
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Bty Trains: 1 truck (medium); 2 trucks (heavy); 1 trailer (2 axle – fuel).

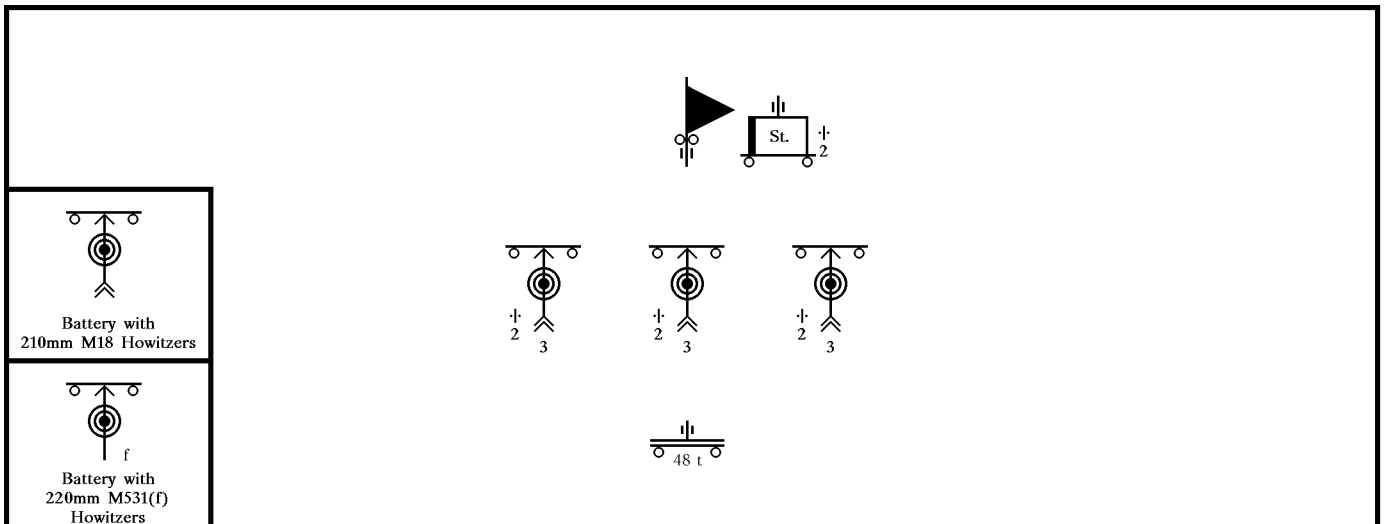
KStN 474 **Self-Propelled 194mm Gun Battery**
 1.04.1942 Bty Hqs: 3 mcl; 2 cars (15).
 Signal Det: Hqs Sect: 1 car (15).
 1 Med Tele Sect b: 1 car (15); 1 van (23).
 1 Hvy Tele Sect a: 1 car (2); 1 van (76).
 3 Pack Radio Sect f: 1 car (2).
 1 Lt Radio Sect c: 1 van (17/1).
 Firing Battery: Hqs Sect: 4 mcl; 1 car (1); 1 AA car (4 w/ dual MG); 1 car (15); 1 halftrack (8); 1 spare generator/ammunition vehicle.
 3 Gun Sect: one self-propelled gun (consisting of one 194mm gun vehicle + 1 generator/ammunition vehicle.)
 Ammo Det: 1 car (light); 3 trucks (3-ton).
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Bty Trains: 1 car (light); 8 trucks (medium).

| | | |
|--------------------|---|--------------------------|
| Designation: | 19.4cm Kanone 485(f) auf Selbstfahrlafette | schwere 24cm Kanone (t) |
| Manufactured by: | Saint-Chamond | Skodawerke, Pilsen |
| Introduced in: | 1941 | 1939 |
| Mobility: | self-propelled | four towed trailer loads |
| Caliber: | 194mm | 240mm |
| Barrel length: | L/33.5 | L/40 |
| Range: | 20,800 meters | 37,500 meters |
| Ammo weight: | 78 - 85 kilos | 198 kilos |
| Unlimbered weight: | — | 86,000 kilos |
| Limbered weight: | — | 143,000 kilos (*) |
| Traverse: | 360° by turning vehicle | 360° (**) |
| Elevation: | 0° to + 46° | - 5° to + 41.5° |
| Vehicle weight: | ca. 29,600 kilos each | — |
| Road speed: | 8 to 10 km/h | — |
| Rate of Fire: | ca. 1 round/minute | ca. 1 round/minute |

(*) Including the four trailers (one for left base, right base, cradle, and barrel).
 (**) When mounted on the howitzer cradle, traverse is 360°

NOTES:
 The 194mm gun was the French *Canon de 194 mle GPF (L/33.5) sur Chenilles*. Produced in 1932, the gun itself had been a World War I development. After the German conquest of France, a several of these weapons were taken over. The rig consisted of a two similar, tracked vehicles: one for the gun, the other for the power supply, (also carrying 30 shells and the crew). The diesel engine of the generator vehicle powered 4 electric engines (1 for each track, two per vehicle), and was linked by an 200 meter electric cable to the gun vehicle. During road movement, both vehicles were coupled by a rigid bar and driven by a single man. On rough terrain the tracked vehicles generally moved independently, but the gun-carrying vehicle still had to be connected to the power vehicle by cable to move. In action, the ammunition vehicle was generally deployed on the side and to the rear of the gun vehicle at an angle of 90°. The generator vehicle could also fetch new ammunition, as the gun required no power to fire.
 The 240mm gun was originally introduced by the Austrian Army in 1916, and six were taken over by the German Army when Czechoslovakia was occupied. It had the same same cradle and base as the Czech 305mm howitzer.
 The 15cm Seekanone SK C/28 in the 6th Battery is described on page 20 (see left).
 There was only one of these battalions on 28.06.1942 in the German Army, namely the II. Abteilung / Artillerie-Regiment 84 (motorisiert), with the 18th Army, Army Group North. In addition, there was the independent self-propelled 917. Kanonen-Batterie (SI), which was also equipped the French 194mm guns.

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



KStN 406 **Headquarters, Motorized Artillery Battalion**
1.11.1941 Bn Hqs: 3 mcl; 1 mcl w/sc; 1 car (1); 3 cars (15).

KStN 584 **Headquarters Battery, Motorized Artillery Battalion**
1.11.1941 Hqs Sect: 1 car (15).
Signal Plt: Hqs Sect: 1 car (15); 1 truck (2-ton).
1 Med Tele Sect *b*: 1 car (15); 1 van (76).
3 Lt Tele Sect *c*: 1 car (15).
3 Pack Radio Sect *d*: ride in Platoon Headquarters truck.
1 Pack Radio Sect *d*: 1 car (2).
1 Lt Radio Sect *c*: 1 van (17/1).
Calibration Det: 2 mcl; 1 car (3); 1 truck (2-ton).
Bty Maint Sect: 1 mcl w/sc; 1 car (2/40).
Bty Trains: 1 car (light); 1 AA car (4 w/ dual MG); 2 trucks (light); 4 trucks (medium).
Bn Maint Det: 1 car (light); 5 trucks (medium).

KStN 511 **Motorized Light Artillery Column** (The column capacity was achieved by varying the number of medium trucks)
1.02.1941 Col: 2 mcl; 1 mcl w/sc; 2 trucks (light); 18 trucks (medium).

KStN 485 *) **Motorized 210mm Howitzer Battery**
1.11.1941 Bty Hqs: 4 mcl; 2 cars (15).
Signal Det: Hqs Sect: 1 car (15).
1 Med Tele Sect *b*: 1 car (15); 1 van (23).
2 Lt Tele Sect *c*: 1 car (15).
2 Pack Radio Sect *f*: 1 car (2).
1 Pack Radio Sect *f*: rides in one of the other Signal Platoon vehicles.
Firing Battery: Hqs Sect: 4 mcl; 1 car (1); 1 AA car (4 w/ dual MG); 2 cars (15).
3 Gun Sect: 2 halftracks (8); one 210mm Howitzer in two loads – towed (barrel & 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).
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Bty Trains: 1 mcl; 4 trucks (light); 2 trucks (medium)

NOTES:
The 210mm howitzer was the main heavy high-trajectory weapon the German Army used in World War II, (some 500 were delivered by late 1942). It was introduced in 1939. 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.

There were 22 of these Motorized 210mm Howitzer Battalions on 28.06.1942.

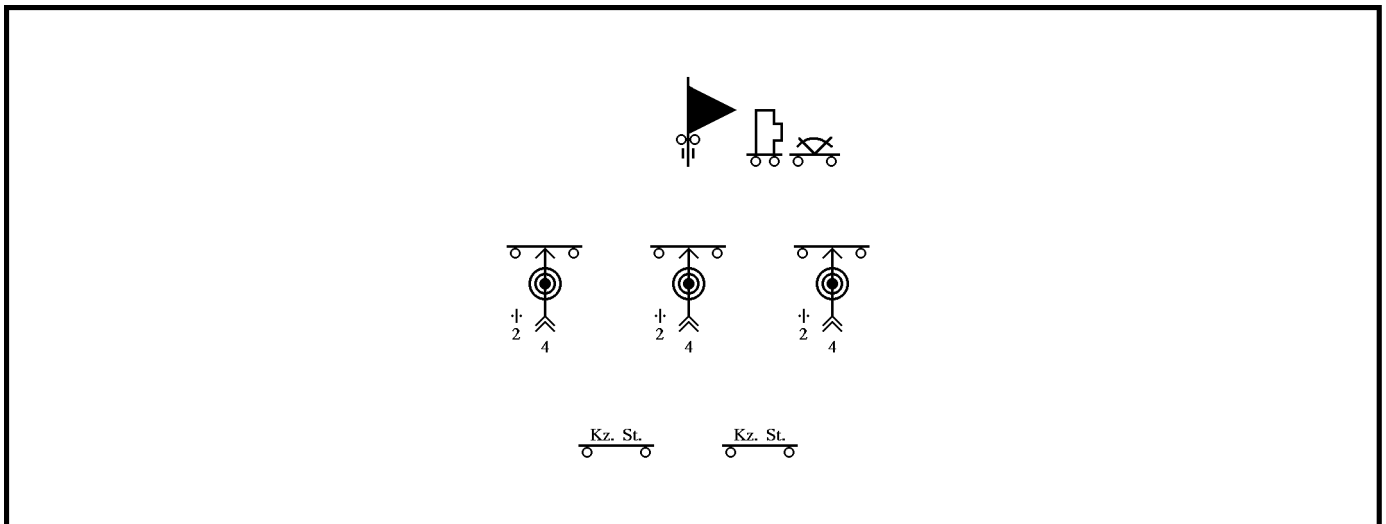
| <i>Specifications of the 210mm Howitzer</i> | | |
|---|---------------------------|-----------------------------------|
| Designation: | 21cm Mörser 18 (21cm M18) | Mörser 22cm 531(f) (22cm M531(f)) |
| Manufactured by: | Krupp | – |
| Introduced in: | 1939 | 1942 |
| Trailer loads: | two | two |
| Caliber: | 210.9mm | 220mm |
| Barrel length: | L/31 | L/10.4 |
| Range: | 18,000 meters | 10,860 meters |
| Ammo weight: | 121.4 / 113 kilos | 100.5 kilos |
| Unlimbered weight: | 17,372 kilos | 7,910 kilos |
| Limbered weight: | 22,700 kilos* | – |
| Traverse: | 16° / 16°** | – |
| Elevation: | 0° to + 70° | – |
| Rate of Fire: | 1 rpm | 1 rpm |

*) Including two trailers (one each for the barrel & cradle)
**) When mounted on the base plate, traverse is 360°

| | | |
|---------------------|---------------|--|
| ALR 2 ¹⁾ | 48-ton Column | ? |
| II./109 | 48-ton Column | 2nd Army, Army Group South |
| III./109 | 48-ton Column | 17th Army, Army Group South |
| II./115 | 48-ton Column | German Africa Corps (D.A.K.), Pz Army Africa |
| 604 | 48-ton Column | 2nd Pz Army, Army Group Center |
| 607 | 48-ton Column | 1st Pz Army, Army Group South |
| 615 | 48-ton Column | 18th Army, Army Group North |
| 616 | 48-ton Column | Army Group South |
| 635 | 48-ton Column | 2nd Army, Army Group South |
| 636 | – | 16th Army, Army Group North |
| 637 | – | 9th Army, Army Group Center |
| 732 | 48-ton Column | 1st Pz Army, Army Group South |
| 733 | 48-ton Column | Army Group South |
| 735 | 48-ton Column | 2nd Army, Army Group South |
| 736 | 48-ton Column | 2nd Pz Army, Army Group Center |
| 777 | – | XXXX Corps, 6th Army, Army Group South |
| 808 | 48-ton Column | 9th Army, Army Group Center |
| 809 | 48-ton Column | 18th Army, Army Group North |
| 816 | 48-ton Column | 9th Army, Army Group Center |
| 817 ²⁾ | 48-ton Column | 2nd Pz Army, Army Group Center |
| 833 ³⁾ | 48-ton Column | 18th Army, Army Group North |
| 857 | 48-ton Column | 11th Army, Army Group South |
| 858 | 48-ton Column | 4th Army, Army Group Center |

1) Artillerie-Lehr-Regiment had with two batteries (21cm M) and one battery (15cm K)
2) All three batteries equipped with French 22cm M531(f) equipment.
3) Only two batteries.

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



KStN 419 (gek) *) Headquarters, Motorized Artillery Battalion (reduced mobility)

1.11.1941 Bn Hqs: 3 mcl; 1 mcl w/sc; 1 car (1); 3 cars (15).

KStN 558 (gek) *) Signal Platoon, Motorized Artillery Battalion (reduced mobility)

1.11.1941 Plt Hqs: Hqs Sect: 1 mcl; 1 mcl w/sc, 3 cars (15).
 1 Med Tele Sect *b*: 1 car (15); 1 van (76).
 2 Lt Tele Sect *c*: 1 car (15).
 2 Pack Radio Sect *f*: 1 car (2).
 2 Pack Radio Sect *f*: rides in Headquarters Section vehicles.

KStN 529 (gek) *) Motorized Calibration Detachment

1.11.1941 Det: 2 mcl; 1 car (3); 1 truck (2-ton).

KStN 466 *) Motorized Artillery Towing Detachment

1.11.1941 Det: 1 mcl; 1 car (1); 5 trucks (4.5-ton); 8 tracked prime movers.

KStN 485 (gek) *) Motorized 210mm Howitzer Battery (reduced mobility)

1.11.1941 Bty Hqs: 2 mcl; 2 cars (15).
 Signal Det: Hqs Sect: 1 car (15).
 1 Med Tele Sect *b*: 1 car (15); 1 van (23).
 2 Lt Tele Sect *c*: 1 car (15).
 2 Pack Radio Sect *f*: 1 car (2).
 1 Pack Radio Sect *f*: rides in one of the other Signal Platoon vehicles.
 Firing Battery: Hqs Sect: 2 mcl; 1 car (1); 1 AA car (4 w/ dual MG); 2 cars (15).
 4 Gun Sect: one 210mm Howitzer in two loads (barrel & cradle).
 Bty Trains: 1 mcl; 1 truck (medium).

Specifications of the 210mm Howitzer

| | |
|--------------------|---|
| Designation: | 21cm Mörser 18 (21cm M18) |
| Manufactured by: | Krupp |
| Introduced in: | 1939 |
| Trailer loads: | two |
| Caliber: | 210.9mm |
| Barrel length: | L/31 |
| Range: | 18,000 meters |
| Ammo weight: | 121.4 kilos (concrete) / 113 kilos (HE) |
| Unlimbered weight: | 17,372 kilos |
| Limbered weight: | 22,700 kilos* |
| Traverse: | 16° / 16° ** |
| Elevation: | 0° to + 70° |
| Rate of Fire: | ca. 1 rpm |

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

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

NOTES:

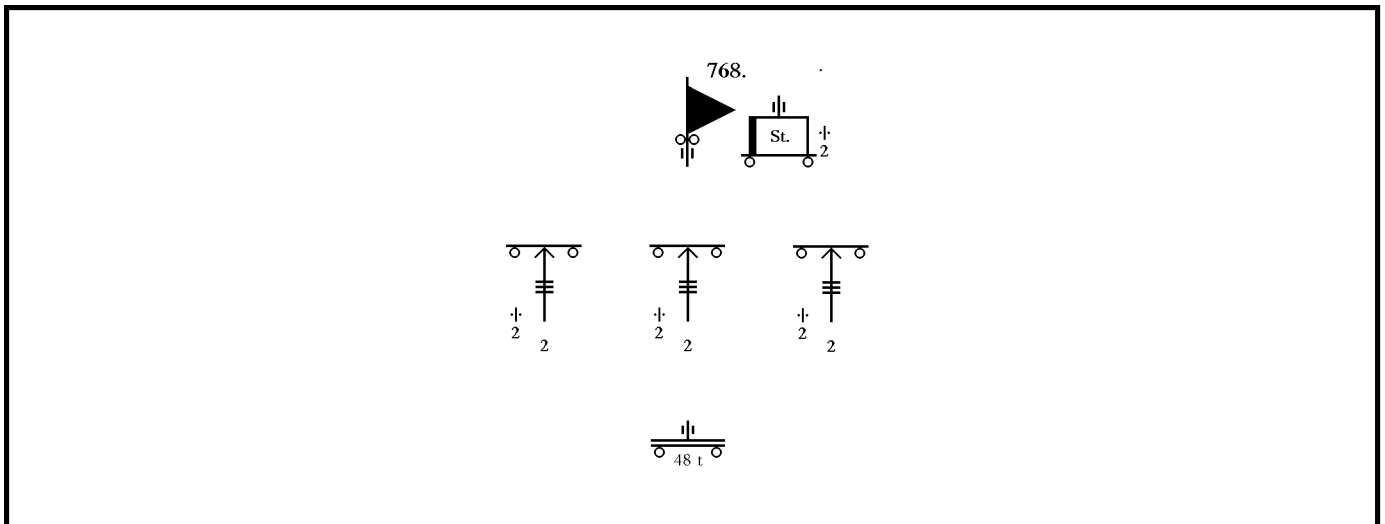
These battalions were designated as "motorized (reduced strength)" because only parts of the batteries were motorized and they depended on Towing Detachments for complete mobility.

The battalions had independent Motorized Artillery Towing Detachments more or less permanently attached, as shown in the table below. Each Towing Detachment could move the four 210mm Howitzers of the battery, and provided a limited ammunition and equipment transportation capability.

There were 5 of these reduced streng Motorized 210mm Howitzer Battalions on 28.06.1942.

| Unit | Towing Dets | Assigned to |
|------|------------------------|------------------------------|
| 854 | (3) 615, 616, 617 | 18th Army, Army Group North |
| 855 | (2) 611, 612 | 6th Army, Army Group South |
| 856 | (3) 618, 619, 620 | 18th Army, Army Group North |
| 859 | (2) 602, 605, 621 | 3 Pz Army, Army Group Center |
| 861 | (4) 607, 608, 609, 610 | 6th Army, Army Group South |

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



KStN 406 Headquarters, Motorized Artillery Battalion
 1.11.1941 Bn Hqs: 3 mcl; 1 mcl w/sc; 1 car (1); 3 cars (15).

KStN 593 *) Headquarters Battery, Motorized Artillery Battalion
 1.11.1941 Hqs Sect: 1 mcl w/sc.
 Signal Plt: Hqs Sect: 1 car (15).
 1 Hvy Tele Sect *a*: 1 car (15); 1 van (76).
 2 Med Tele Sect *b*: 1 car (15); 1 van (23).
 3 Lt Tele Sect *c*: 1 car (15).
 6 Pack Radio Sect *f*: 1 car (2).
 2 Lt Radio Sect *c*: 1 van (17/1).
 Calibration Plt: Hqs Sect: 1 car (3); 1 truck (2-ton).
 3 Sect: 2 mcl; 1 car (3); 1 truck (2-ton).
 Bty Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Bty Trains: 1 car (light); 1 AA car (4 w/ dual MG); 2 trucks (light); 4 trucks (medium).
 Bn Maint Det: 1 car (light); 5 trucks (medium).

KStN 511 Motorized Light Artillery Column (The column capacity was achieved by varying the number of medium trucks)
 1.02.1941 Col: 2 mcl; 1 mcl w/sc; 2 trucks (light); 18 trucks (medium).

KStN 477 *) Motorized 210mm Gun Battery
 1.11.1941 Bty Hqs: 4 mcl; 2 cars (15).
 Signal Det: Hqs Sect: 1 car (15).
 1 Hvy Tele Sect *a*: 1 car (2); 1 van (23).
 2 Med Tele Sect *b*: 1 car (15); 1 van (76).
 3 Pack Radio Sect *f*: 1 car (2).
 Firing Battery: Hqs Sect: 4 mcl; 1 car (1); 1 AA car (4 w/ dual MG); 2 cars (15).
 2 Gun Sect: 3 halftracks (9); one 210mm Gun in three loads – towed (barrel, cradle, platform/base).
 Support Sect: 2 trucks (4.5-ton).
 1st Ammo Det: 2 mcl; 1 car (1); 4 trucks (4.5-ton).
 2nd Ammo Det: 1 mcl; 4 trucks (heavy).
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Bty Trains: 1 mcl; 4 trucks (light); 2 trucks (medium)

Specifications of the 210mm Gun

| | |
|--------------------|--|
| Designation: | 21cm Kanone 39 (21cm K39) |
| Manufactured by: | Skoda |
| Introduced in: | 1939 |
| Trailer loads: | three |
| Caliber: | 210mm |
| Barrel length: | L/49 |
| Range: | 28,000 (concrete) / 29,925 meters (HE) |
| Ammo weight: | 155 kilos (concrete) / 135 kilos (HE) |
| Unlimbered weight: | 38,000 kilos |
| Limbered weight: | 49,100 kilos* |
| Traverse: | 360° |
| Elevation: | - 4° to + 46° |
| Rate of Fire: | ca. 1 rpm |

*) including three trailers (one each for the barrel, cradle, platform/base)

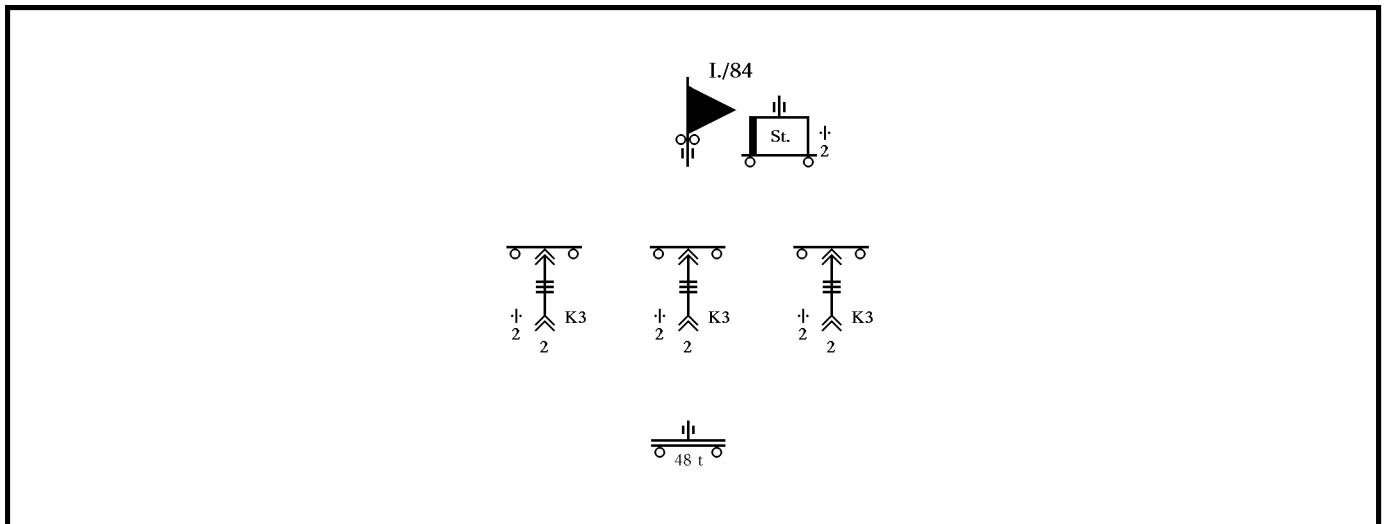
NOTES:

The 21cm Kanone K39 was basically an experiment, designed for destroying heavy fortifications the German Army expected to encounter in the late 1930's – such as the Maginot Line – at long distance. With a muzzle velocity of 800 meters per second and a range of almost 30 kilometers, the 210mm gun belonged to the long-range, flat-trajectory, heavy artillery of the German Army's arsenal. Its mission was, weight for weight, better fulfilled by the much more mobile 170mm Gun introduced in early 1942.

The gun was transported in three loads, taking considerable time to unlimber. Although used tactically in a static role, the batteries were completely motorized, allowing them to be considered more or less mobile from an operational point of view. Strategically, the batteries were moved by rail.

There was only the 768 Motorized Heavy 210mm Gun Battalion in the German Army on 28.06.1942. It was with the 18th Army, Army Group North.

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



KStN 406 Headquarters, Motorized Artillery Battalion
 1.11.1941 Bn Hqs: 3 mcl; 1 mcl w/sc; 1 car (1); 3 cars (15).

KStN 593 *) Headquarters Battery, Motorized Artillery Battalion
 1.11.1941 Hqs Sect: 1 mcl w/sc.
 Signal Plt: Hqs Sect: 1 car (15).
 1 Hvy Tele Sect *a*: 1 car (15); 1 van (76).
 2 Med Tele Sect *b*: 1 car (15); 1 van (23).
 3 Lt Tele Sect *c*: 1 car (15).
 6 Pack Radio Sect *f*: 1 car (2).
 2 Lt Radio Sect *c*: 1 van (17/1).
 Calibration Plt: Hqs Sect: 1 car (3); 1 truck (2-ton).
 3 Sect: 2 mcl; 1 car (3); 1 truck (2-ton).
 Bty Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Bty Trains: 1 car (light); 1 AA car (4 w/ dual MG); 2 trucks (light); 4 trucks (medium).
 Bn Maint Det: 1 car (light); 5 trucks (medium).

KStN 511 Motorized Light Artillery Column (The column capacity was achieved by varying the number of medium trucks)
 1.02.1941 Col: 2 mcl; 1 mcl w/sc; 2 trucks (light); 18 trucks (medium).

KStN 490 Motorized 240mm Gun Battery
 1.11.1941 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 Battery: Hqs Sect: 1 mcl; 2 cars (1); 1 AA car (4 w/ dual MG); 1 car (15).
 2 Gun Sect: 5 halftracks (8); one 240mm Gun in five loads – towed (barrel, left cradle, right cradle, platform, base).
 Support Sect: 1 truck (heavy); 1 halftrack (8).
 Ammo Det: 1 car (light); 5 trucks (heavy).
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Bty Trains: 1 truck (medium); 2 trucks (heavy).

| <i>Specifications of the 240mm Gun</i> | |
|---|---------------------------------------|
| Designation: | 24cm Kanone K3 (24cm K3) |
| Manufactured by: | Krupp (cradle) & Rheinmetall (barrel) |
| Introduced in: | 1938 |
| Trailer loads: | five |
| Caliber: | 238mm |
| Barrel length: | L/54.6 |
| Range: | 37,500 meters |
| Ammo weight: | 151.4 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 five trailers (one each for the barrel, right cradle, left cradle, platform, base) | |
| **) Traverse is 360° when mounted on base plate. | |

NOTES:

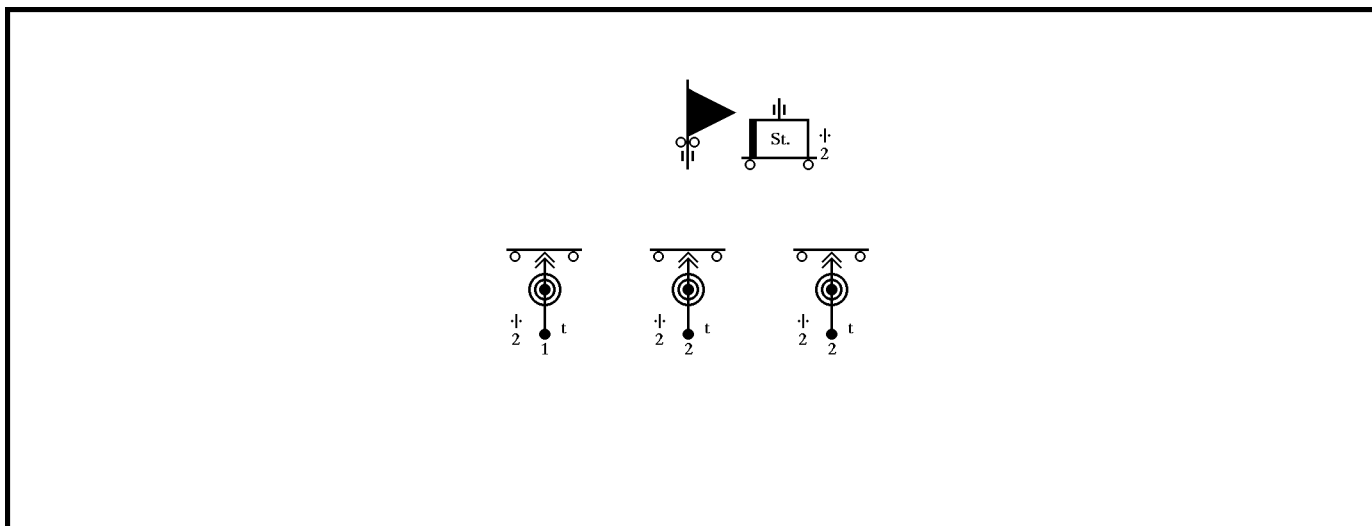
The 240mm gun was no longer a tool of the 'Blitzkrieg'. The gun was transported in five loads mounted and dismounted on trailers with the help of a collapsible crane. It took many hours to limber and unlimber, so that rapid deployment was out of the question. The 24cm K3 was designed for use in a static role, for the initial stages of a battle, and against strong fortifications.

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.

Although the 24cm K3 was by far the longest range gun that the Germans had, accuracy at maximum range left much to be desired, and pin-point targets had to be engaged at shorter ranges.

There was only one of these 240mm Gun Battalions on 28.06.1942 in the German Army, namely the I. Abteilung / Artillerie-Regiment 84 (motorisiert). It was with the 9th Army, Army Group Center.

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

**KStN 406****Headquarters, Motorized Artillery Battalion**

1.11.1941

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

KStN 584**Headquarters Battery, Motorized Artillery Battalion**

1.11.1941

Hqs Sect: 1 car (15).

Signal Plt: Hqs Sect: 1 car (15); 1 truck (2-ton).

1 Med Tele Sect *b*: 1 car (15); 1 van (76).3 Lt Tele Sect *c*: 1 car (15).3 Pack Radio Sect *d*: ride in Platoon Headquarters truck.1 Pack Radio Sect *d*: 1 car (2).1 Lt Radio Sect *c*: 1 van (17/1).

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

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

Bty Trains: 1 car (light); 1 AA car (4 w/ dual MG); 2 trucks (light); 4 trucks (medium).

Bn Maint Det: 1 car (light); 5 trucks (medium).

KStN 465 *)**Motorized 240mm Howitzer Battery**

1.11.1941

Bty Hqs: 4 mcl; 2 cars (15).

Signal Det: Hqs Sect: 1 car (15).

1 Med Tele Sect *b*: 1 car (15); 1 van (23).2 Lt Tele Sect *c*: 1 car (15).2 Pack Radio Sect *f*: 1 car (2).1 Pack Radio Sect *f*: rides in one of the other Signal Platoon vehicles.

Firing Battery: Hqs Sect: 4 mcl; 1 car (1); 1 AA car (4 w/ dual MG); 2 cars (15).

2 Gun Sect: 3 halftracks (8); one 240mm Howitzer in three loads – towed (barrel, cradle, platform/base).

Support Sect: 5 trucks (4.5-ton).

1st Ammo Det: 2 mcl; 1 car (1); 4 trucks (3-ton).

2nd Ammo Det: 1 mcl; 4 trucks (medium).

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

Bty Trains: 1 truck (medium); 2 trucks (heavy).

Specifications of the 240mm Howitzer

| | |
|--------------------|-----------------------------|
| Designation: | 24cm Haubitze 39 (24cm H39) |
| Manufactured by: | Skoda |
| Introduced in: | 1939 |
| Trailer loads: | three |
| Caliber: | 240mm |
| Barrel length: | L/28 |
| Range: | 18,350 meters |
| Ammo weight: | 165 kilos |
| Unlimbered weight: | 29,900 kilos |
| Limbered weight: | 42,900 kilos* |
| Traverse: | 360° |
| Elevation: | - 4° to + 70° |
| Rate of Fire: | ca. 1 round every 2 minutes |

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

NOTES:

The 3rd batteries of both battalions had only one gun section.

The Czech heavy 240mm howitzer had been designed and built for export to Turkey. After the occupation of Czechoslovakia, the Germans, after some modifications, took over several of these weapons into their army.

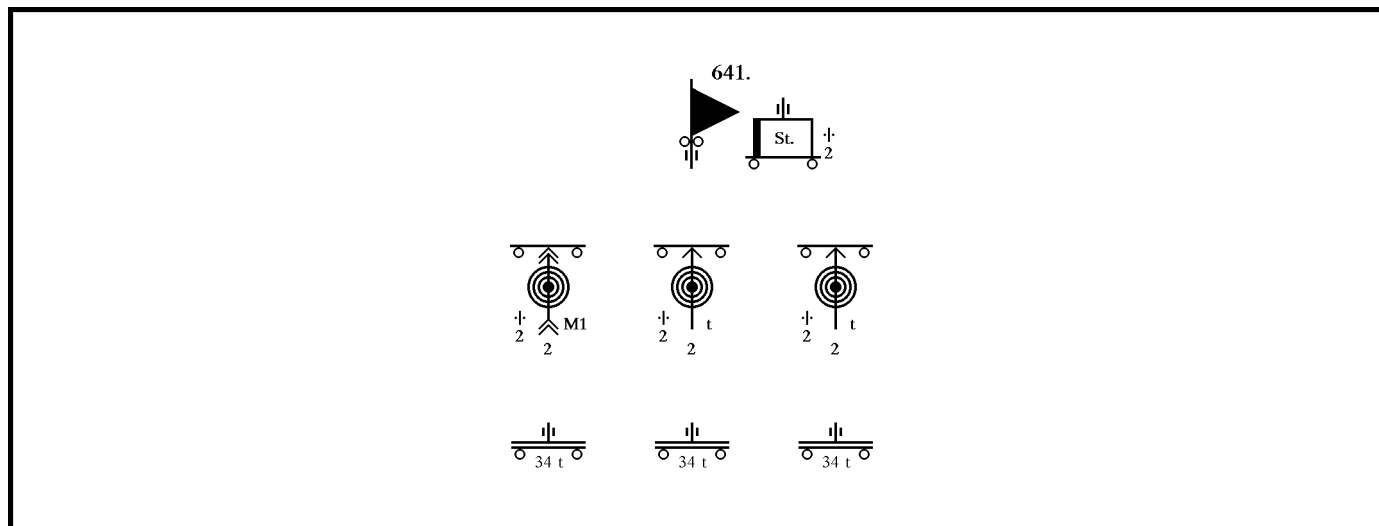
The German Army considered these 240mm howitzers as outdated. Nevertheless, it provided valuable service during the war, and was used mainly for long-range-fire against hard targets, such as concrete emplacements and fortifications.

There were 2 of these Motorized Heavy 240 Howitzer battalions in the German Army on 28.06.1942.

I./814 11th Army, Army Group South

II./814 11th Army, Army Group South

SCHWERSTE MÖRSER-ABTEILUNG (motorisiert)
Motorized Super Heavy Howitzer Battalion



KStN 406

Headquarters, Motorized Artillery Battalion

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

KStN 584

Headquarters Battery, Motorized Artillery Battalion

1.11.1941

Hqs Sect: 1 car (15).

Signal Plt: Hqs Sect: 1 car (15); 1 truck (2-ton).

1 Med Tele Sect *b*: 1 car (15); 1 van (76).

3 Lt Tele Sect *c*: 1 car (15).

3 Pack Radio Sect *d*: ride in Platoon Headquarters truck.

1 Pack Radio Sect *d*: 1 car (2).

1 Lt Radio Sect *c*: 1 van (17/1).

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

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

Bty Trains: 1 car (light); 1 AA car (4 w/ dual MG); 2 trucks (light); 4 trucks (medium).

Bn Maint Det: 1 car (light); 5 trucks (medium).

KStN 511

Motorized Light Artillery Column (The column capacity was achieved by varying the number of medium trucks)

1.02.1941

Col: 2 mcl; 1 mcl w/sc; 2 trucks (light); 18 trucks (medium).

KStN 487

Motorized 305mm Howitzer Battery

1.11.1941

Bty Hqs: 2 mcl; 2 cars (15).

Signal Det: Hqs Sect: 1 car (15).

1 Med Tele Sect *a*: 1 car (15); 1 van (23).

1 Hvy Tele Sect *b*: 1 car (2); 1 van (76).

2 Pack Radio Sect *f*: 1 car (2).

1 Pack Radio Sect *f*: rides in one of the other Signal Platoon vehicles.

Firing Battery: Hqs Sect: 1 mcl; 1 car (1); 1 AA car (4 w/ dual MG); 1 car (15).

2 Gun Sect: 3 halftracks (8); one 305mm Howitzer in three loads – towed (barrel, cradle, platform/base).

Support Sect: 4 trucks (4.5-ton); 1 halftrack (8).

1st Ammo Det: 1 car (1); 4 trucks (4.5-ton).

2nd Ammo Det: 4 trucks (4.5-ton).

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

Bty Trains: 1 truck (medium); 2 trucks (heavy).

KStN 486 *)

Motorized 355mm Howitzer M1 Battery

1.11.1941

Bty Hqs: 2 mcl; 2 cars (15).

Signal Det: Hqs Sect: 1 car (15).

1 Med Tele Sect *a*: 1 car (15); 1 van (23).

1 Hvy Tele Sect *b*: 1 car (2); 1 van (76).

2 Pack Radio Sect *f*: 1 car (2).

1 Pack Radio Sect *f*: rides in one of the other Signal Platoon vehicles.

Firing Battery: Hqs Sect: 1 mcl; 1 car (1); 1 AA car (4 w/ dual MG); 1 car (15).

2 Gun Sect: 7 halftracks (9); one 305mm Howitzer in seven loads – towed.

Support Sect: 4 trucks (4.5-ton); 1 halftrack (8).

2 Ammo Det: 1 car (1); 4 trucks (heavy).

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

Bty Trains: 1 truck (medium); 2 trucks (heavy)

| <i>Specifications of the super heavy 305mm and 355mm Howitzers</i> | | |
|--|--|----------------------------------|
| Designation: | 30,5cm Mörser (t) | 35,5cm Haubitze M1 (30,5cm M(t)) |
| Manufactured by: | Skoda | Rheinmetall |
| Introduced in: | 1917 | 1939 |
| Trailer loads: | three | seven |
| Caliber: | 305mm | 356mm |
| Barrel length: | L/12 | L/28.9 |
| Range: | 12,200 meters | 20,850 meters |
| Ammo weight: | 290.8/285.3 kilos | 575 Kilos |
| Unlimbered weight: | 23,150 kilos | 78,000 kilos |
| Limbered weight: | 38,500 kilos* | 123,500 kilos* |
| Traverse: | 6° / 6° ** | 45° / 45° ** |
| Elevation: | - 4° to + 75° | + 34° to + 75° |
| Rate of Fire: | 1 round / 5 minutes | 1 round / 4 minutes |
| *) | Including trailers | |
| **) | When mounted on the base plate, traverse is 360° | |

NOTES:

The 305mm howitzer was a Austrian-Hungarian WWI weapon modified to a small extent. The 355mm howitzer was a German modern weapon.

The 3 Motorized Super Heavy Howitzer Battalion on 22.06.1941 were:

| | | |
|-----|-----------------------------|---|
| 624 | 11th Army, Army Group South | |
| | Battalion Headquarters | 48-ton Column |
| | 1st Battery 2x 305mm | 34-ton Column |
| | 2nd Battery 2x 305mm | 34-ton Column |
| | 3rd Battery 2x 305mm | 34-ton Column |
| 641 | 11th Army, Army Group South | |
| | 1st Battery 1x 355mm M1 | 20-ton Column |
| | 2nd Battery 2x 305mm | 34-ton Column |
| | 3rd Battery 2x 305mm | 34-ton Column |
| 815 | 11th Army, Army Group South | |
| | 1st Battery 2x 305mm | } only one 48-ton Column for the entire battalion |
| | 2nd Battery 2x 305mm | |
| | 3rd Battery 2x 305mm | |

42cm HAUBITZEN-BATTERIE (motorisiert)
Motorized 420mm Howitzer Battery

**KStN 492 *)****Motorized 420mm Howitzer Battery**

31.01.1941

Bty Hqs: 2 mcl; 2 cars (15).

Signal Det: Hqs Sect: 1 car (15).
 1 Hvy Tele Sect *b*: 1 car (2); 1 van (23).
 1 Med Tele Sect *a*: 1 car (15).
 2 Pack Radio Sect *f*: 1 car (2).

Firing Battery: Hqs Sect: 1 mcl; 1 car (1); 1 car (15).
 1 Gun Sect: 4 halftracks (9); 4 Culemeyer trailers; one 420mm Howitzer in four loads.
 Ammo Sect: 1 mcl; 1 car (1); 3 trucks (4.5-ton); 1 Culemeyer trailer (ammo).
 Support Sect: 3 trucks (4.5-ton); 2 halftracks (9).
 Crane Sect: 1 truck (4.5-ton); 1 halftrack crane (9/1); 1 trailer (35-ton crane); 1 trailer (generator).

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

Bty Trains: 1 mcl; 1 car (light); 1 AA car (4 w/ dual MG); 1 truck (medium); 2 trucks (heavy).

NOTES:

The 42cm Haubitze (t) was a heavy Czechoslovakian howitzer, of which only a total of three were built. It was used for the first time in combat at the siege of Sevastopol in 1942, where it fired 192 rounds. The Granate-Beton (Gr.Be., lit. "concrete round", i.e. concrete-piercing) rounds weighed 1,020 kilos, and were filled with 91 kilos of high explosive. They were fired off by 77.8 kilos of powder, and achieved a muzzle velocity of 452 m/sec and a range of 14,200 meters. The schwere Granate-Beton

(heavy concrete-piercing) round weighed 2,200 kilos, and although propelled by 93.4 kilos of powder, only achieved a muzzle velocity of 220 m/sec, thereby reducing to range to some 7,000 meters.

The heavy 420mm howitzer, which weighed 105,000 kilos in firing position, had to be broken down into four loads of about 30,000 kilos each, (left cradle, right cradle, firing platform, and barrel), for transportation. The components parts and all accompanying personnel, and equipment were moved strategically by rail. The howitzer itself was transported on multi-axle, multi-wheeled "Culemeyer" trailers. These Culemeyer trailers were originally Deutsche Reichsbahn (German State Railways) equipment, conceived to move railway cars and locomotives by road. They could be adapted to various capacities by means of a modular system, depending on the load to be transported. The load capacity being achieved by varying the number of axles and wheels. They could be fitted either with steel railroad wheels or rubber-tired wheels. Tactically, these trailers were towed by heavy halftracks. The personnel and equipment were carried in trucks.

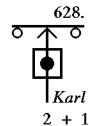
A 35-ton collapsible crane, which moved on specially laid tracks, was provided for loading, erecting, and dismantling the weapon, plus several smaller cranes.

On 28.06.1942, there was only the 458th Battery at the front. It was assigned to 11th Army, Army Group South.

Specifications of the 420mm Howitzer

| | |
|--------------------|-------------------------------|
| Designation: | 42cm Haubitze (t) (42cm H(t)) |
| Manufactured by: | Skoda |
| Trailer Loads: | four |
| Caliber: | 420mm |
| Barrel length: | L/15 |
| Range: | 14,600 meters / 7,200 meters |
| Shell weight: | 1,020 kilos / 2,200 kilos |
| Unlimbered weight: | 105,000 kilos |
| Limbered weight: | 160,000 kilos w/ trailers |
| Traverse: | 360° |
| Elevation: | + 40° to +71° |
| Rate of Fire: | 1 round every 5 minutes |

60cm MÖRSER-BATTERIE (motorisiert) Self-Propelled 600mm Howitzer Battery



KStN 489 *) Self-Propelled Heavy 600mm Howitzer Battery

31.01.1941

Bty Hqs: 4 mcl; 2 cars (15).

Signal Det: Hqs Sect: 1 car (15).

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

2 Pack Radio Sect f: 1 car (2).

Firing Battery:

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

Gun Sect: 1 Howitzer (600mm – self-propelled).

Ammo Sect: 2 trucks (4.5-ton); 2 Culemeyer trailers (16-wheel / ammo); 2 self-propelled ammunition carriers.

Transport Sect: 3 trucks (4.5-ton); 4 halftracks (8); 2 halftracks (9);

3 Culemeyer trailers (16-wheel); 1 Culemeyer trailer (24-wheel).

Crane Sect: 1 truck (4.5-ton); 1 halftrack crane (9/1); 1 trailer (35-ton crane); 1 trailer (generator).

Reserve Det: 3 trucks (4.5-ton); 4 halftracks (8); 2 halftracks (9); one 600mm Howitzer in four loads;

3 Culemeyer trailers (16-wheel); 1 Culemeyer trailer (24-wheel).

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

Bty Trains: 1 mcl; 1 car (ligh); 1 AA car (4 w/ dual MG); 2 trucks (medium); 3 trucks (3-ton).

NOTES:

The 600mm howitzer was known as *Karl Gerät*, but officially as *Gerät 040* (short barrel), or as *Gerät 041* (long barrel). The first long barrels were delivered in May 1942. The first gun (#1) was delivered in November 1940, and was dubbed **Rex**; when this was gun was converted to the short barrel, it was redesignated **Adam**. By May, three more had been delivered, receiving the names #II **Eva**, #III **Baldur**, #IV **Thor**. By the end of August 1941, two more, #V **Loki** and #VI **Ziu**, had also been sent to the East Front. A seventh gun, #VII **Fenrir**, was kept in Germany for testing.

Strategically, the *Karl* was moved by rail, whereby the entire vehicle was suspended on a specially-constructed railway carriage (consisted of two wagons with 5 axles each) and *Culemeyer* trailers fitted with steel railway wheels. Operationally, it was moved by road. Road movement was difficult as the load capacity of most normal bridges and all engineer combat bridges was surpassed, and required reinforcing. Although the *Karl* was split into four parts and moved by *Culemeyer* trailers, the loaded self-propelled carriage (82.3 tons) still surpassed the limits of most bridges and the carriage therefore had to be driven off the trailer and crossed bridges under its own

power. Collapsible ramps enabled the self-propelled carriage (60 tons) to drive off and onto the trailer. The gun carriage (27.4 tons), the barrel (28.4 tons), and the loading platform (8.2 tons) as well as the ammunition (in loads of ten crated rounds) were also transported on the *Culemeyer* trailers. Tactically, the gun moved cross-country fully assembled on its own self-propelled mount. Ammunition was transported by the *Munitionsschlepper für Karlgerät* (a specially constructed ammunition vehicle for the *Karl* howitzer based on the Panzer-IV), which had a capacity of four rounds, and was equipped with a crane for them.

The entire vehicle had to be lowered 350mm onto the ground before firing. The crew took 10 minutes to prepare the assembled vehicle for firing. The firing sequence involved lowering the barrel to horizontal, opening the breach, loading, (still in the horizontal position), closing the breach, and then raising the barrel to 70° maximum elevation for firing. This procedure was repeated for each shot. Range was determined by varying the charges. There were four types of shell, namely two light concrete-piercing rounds (leichte Betongranate), and two high explosive rounds (Sprenggranate). The concrete-piercing rounds has strong shell walls, which remained intact upon impact. The shells penetrated up to 2.5 meters (*Gerät 040*) or 3 to 3.5 meters (*Gerät 041*) of reinforced concrete, and up to 0.64 meters (*Gerät 040*) or 0.91 meters (*Gerät 041*) of hardened armor plate. A delayed fuse detonated the 400 kilo explosive charge. Besides the devastating effects on bunkers and fortifications, the rounds had an extremely demoralizing effect on the enemy. Detonation on the ground caused carters of 15 meters diameter and 5 meters depth, and caused in a deafening shock wave, followed by clouds of debris 300 meters wide and 170 meters high. According to the troops, this super heavy howitzer was certainly worth the effort.

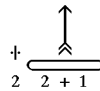
The inclusion of the “Reserve Detachment” in the KStN above is pure conjecture. It is as well possible that the reserve ordnance was in an artillery equipment park to the rear somewhere.

The 628th Battery on 28.06.1942. The battery had two manned weapons plus one a equipment reserve. It was assigned to IVth Corps, 11th Army, Army Group South.

Specifications of the 600mm Self-Propelled Howitzer

| | | |
|--------------------|---------------------------|---------------------------|
| Designation: | Mörser Karl (Gerät 040) | Mörser Karl (Gerät 041) |
| Manufactured by: | Rheinmetall | Rheinmetall |
| Caliber: | 600mm | 540mm |
| Barrel length: | L/8.44 | L/11.5 |
| Range: | 4,500 m / 6,700 m | 10,400 m |
| Shell weight: | 2,170 kilos / 1,700 kilos | 1,250 kilos |
| Unlimbered weight: | 124,000 kilos | 124,000 kilos |
| Limbered weight: | 188,200 kilos w/ trailers | 188,200 kilos w/ trailers |
| Traverse: | 4° / a 4° | 4° / 4° |
| Elevation: | 0° to +70° | 0° to +70° |
| Rate of Fire: | 6 to 12 rounds/hour | 6 to 12 rounds/hour |
| Road speed: | 10 km/h | 10 km/h |

GEPANZERTEN KANONEN-ZUG (selbstfahrlafette)
Armored Self-Propelled Heavy Gun Platoon



KStN 458
1.11.1941

Armored Self-Propelled Gun Platoon

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

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

Firing Battery:

AA Sect: 1 AA car (4 w/ dual MG).

1 Gun Sect: 1 SP'd Gun (105mm on modified Pz-IV chassis).

Ammo Sect: 2 trucks (3-ton).

Firing Battery:

AA Sect: 1 AA car (4 w/ dual MG).

2 Gun Sect: 1 SP'd Gun (128mm on VK 3001 (H) chassis).

1st Ammo Sect: 2 trucks (3-ton).

2nd Ammo Sect: 2 trucks (3-ton).

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

Plt Trains: 1 car (light); 1 truck (light); 3 trucks (medium).

NOTES:

The KStN was slightly modified to compensate for the two sections of 128mm guns.

The two 105mm armored self-propelled 105mm guns had been built to destroy the strong fortifications of Gibraltar. As plans for this attack had been cancelled, the vehicles were put to other use. During 1941 one vehicle was lost. The 105mm Kanone 18 could penetrate 110mm of hardened steel at 2,000 meters.

The creation of the two 128mm armored self-propelled guns was the result of the VK3001 program being dropped. Two of the chassis left over were converted to self-propelled mounts for the 128mm Flak and sent into combat. The 128mm Flak could penetrate 120mm of hardened steel at 2,000 meters.

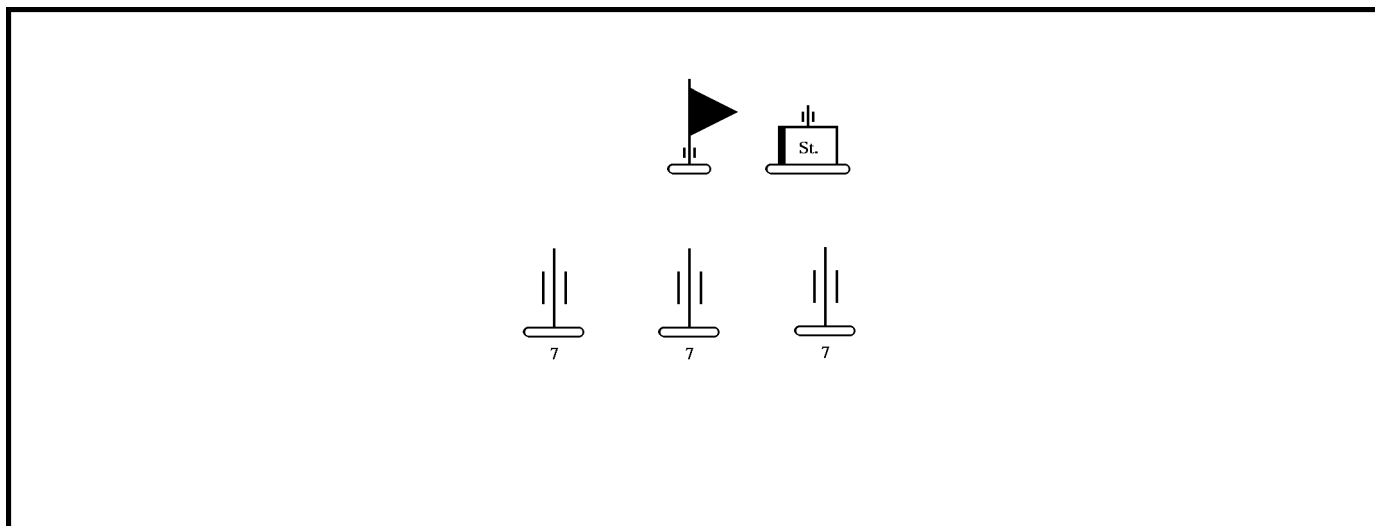
Both weapons can be seen as the forerunners of the heavy armored tank destroyers which Germany was to produce in later years.

The platoon was permanently assigned to the 521. Panzerjäger-Abteilung.

Specifications of the Self-Propelled 105mm and the 128mm Guns:

| | | |
|------------------|-------------------------|---|
| Designation: | 10cm K18 auf Pz-Sfl IVa | 12,8cm Flak 40 auf Pz.Sfl V [aka VK3001(H)] |
| Manufactured by: | Rheinmetall/Krupp | Henschel |
| Introduced in: | 1941 | 1942 |
| Caliber: | 105mm | 128mm |
| Barrel length: | L/52 | L/61 |
| Range: | 19,075 meters | 20,900 meters |
| Ammo weight: | 15.1 kilos | 35.0 kilos |
| Vehicle weight: | 5,512 kilos | 35,000 kilos |
| Traverse: | 8° / 8° | 7° / 7° |
| Elevation: | - 15° to + 10° | - 15° to + 10° |
| Speed: | 40 kmh | 25 kmh |

STURMGESCHÜTZ-ABTEILUNG
Assault Gun Battalion

**KStN 416 *)****Headquarters, Assault Gun Battalion**

1.11.1941 Bn Hqs: 4 mcl; 2 mcl w/sc; 2 cars (15); 1 ambulance (31).
2 Lt Tele Sect *c*: 1 car (15).
Lt Radio Sect *b*: 1 van (17).

KStN 588 *)**Headquarters Battery, Assault Gun Battalion**

1.11.1941 Bty Hqs: 1 mcl; 1 car (15).
Bty Trains: 1 AA car (4 w/dual MG); 1 truck (light); 2 trucks (medium).
Bn Maintenance Det: 1 mcl; 1 mcl w/sc; 1 car (medium); 1 car (medium); 3 truck (light); 4 trucks (medium); 1 truck (3-ton);
1 van (79/2); 1 trailer (tool); 2 halftracks (9); 1 halftracked crane (9/1 – 6-ton); 2 trailers (22-ton/medium tank).

KStN 446**Assault Gun Battery**

1.11.1941 Bty Hqs: 3 mcl; 1 mcl w/sc; 2 cars (15); 1 Sturmgeschütz (142).
3 AG Plt: 1 mcl w/sc; 2 Sturmgeschütz (142); 1 armored ammunition carrier (252); 1 armored ammunition trailer.
Maint Det: 2 mcl w/sc; 1 car (2/40); 2 trucks (medium); 1 halftrack (9); 1 trailer (22-ton/medium tank).
Bty Trains: 1 mcl; 1 car (1); 1 AA car (4 w/ dual MG); 3 trucks (light); 1 truck (2-ton); 3 trucks (medium); 5 trucks (3-ton).

NOTES:

During the war, an average of one assault gun battalion per month was raised. By mid 1942 the batteries had 7 assault guns each. No matter how many battalions were raised, there were never enough to go around. These versatile vehicles were soon also used to counter the overwhelming number of Russian tanks which the Germans encountered, and which the 37mm ATG — which still equipped the large portion of the infantry — was unable to counter effectively. The Sturmgeschütz III with short 75mm L/24 guns (Sd.Kfz. 142) were inadequate for anti-tank use at medium to long ranges, although special ammunition was developed (HL/C = Hohlladungsgranate C, i.e. shaped-charge anti-tank rounds) which allowed successful anti-tank use at short to medium ranges. The new Sturmgeschütz III with the long 75mm gun (Sd.Kfz. 142/1) was in the process of being introduced.

The Artillery Inspectorate considered batteries as integral parts of a battalion. Hence, the batteries within an assault gun battalion were not really set up to operate independently. Artillery battalions' headquarters, (and those of the assault gun battalions were regarded initially no differently by the Artillery Inspectorate), tended to be largely command, administrative, and logistical units, and were not equipped as fighting units at this period in time. Contrary to the Panzer Troops and Infantry Inspectorate units, where headquarters units were also considered, and used, as combat units, the Artillery Inspectorate expected command to be implemented from the rear.

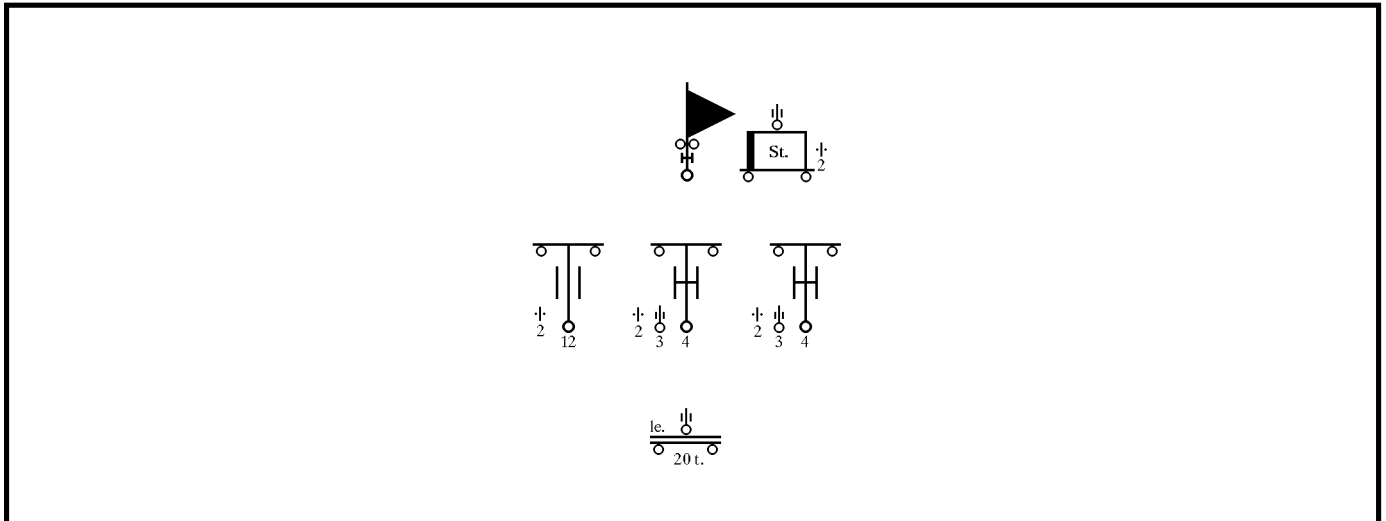
| <i>Specifications of the Sturmgeschütz III</i> | | |
|--|---------------------------|-------------------------|
| Designation: | Sturmgeschütz III | Sturmgeschütz III |
| | Ausf. A – E (Sd.Kfz. 142) | Ausf. F (Sd.Kfz. 142/1) |
| Manufactured by: | Alkett | Alkett |
| Introduced in: | 1940 | 1942 |
| Main gun caliber: | 75mm | 75mm |
| Barrel length: | L/24 | L/43 |
| Range: | 6,200 meters at 20° | 7,700 meters at 20° |
| Projectile weight: | 4.1 / 8.8 kilos | 4.1 / 8.8 kilos |
| Elevation: | – 10° to + 20° | – 6° to + 20° |
| Traverse: | 24°/24° | 10° / 10° |
| Rate of fire: | 6 to 8 rounds per minute | 10 rounds per minute |
| Vehicle weight: | 20,200 kilos | 21,600 kilos |
| Road speed: | 40 km/h | 40 km/h |

Assault guns were GHQ troops, and were assigned no lower than divisional levels. Tactical doctrine stated that they were to be used en-masse. In practice, the three batteries were frequently split up one to an infantry regiment. This practice watered down the effectiveness of the assault guns somewhat, but since 1.11.1941, a large part of the logistical and administrative support services had been transferred from the headquarters battery to the combat batteries with this particular possibility in mind.

There were 19 Sturmgeschütz Battalions and one independent battery in the German Army on 28.06.1942:

| | |
|-------------------|---|
| 177 ¹⁾ | 168th Inf.Div., XXIX Corps, 6th Army, Army Group South |
| 184 | 30th Inf.Div., IIInd Corps, 16th Army, Army Group North |
| 185 | 18th Army reserves, Army Group North |
| 189 | 9th Army reserves, Army Group Center |
| 190 ²⁾ | 22nd Inf.Div., LIV Corps, 11th Army, Army Group South |
| 191 | 1st Pz Army reserves, Army Group South |
| 197 ²⁾ | 50th Inf.Div., LIV Corps, 11th Army, Army Group South |
| 201 | 24 Pz.Div., XXXXVIII Pz Corps, 4 Pz Army, Army Group South |
| 202 | 2nd Pz Army reserves, Army Group Center |
| 203 | en-route to 1st Pz Army, Army Group South |
| 209 | Army Group Center reserves |
| 210 ¹⁾ | 1st Pz Army reserves, Army Group South |
| 226 | XXXXVIII Pz Corps, 4 Pz Army, Army Group South |
| 243 | 16th Inf.Div.(mot), IIIrd Hungarian Corps, 2nd Hungarian Army |
| 244 | 113rd Inf.Div., XVII Corps, 6th Army, Army Group South |
| 245 | XXXXIV Corps, 1st Pz Army, Army Group South |
| 249 | 11th Army reserves, Army Group South |
| 600 | 2nd Pz Army reserves, Army Group Center |
| 667 | Being formed at Zinna. Raised on 28.06.1942. |
| | 659th Battery: 16th Army reserves, Army Group North |
| 1) | All Sturmgeschütz equipped with long (L/43) guns. |
| 2) | Six Sturmgeschütz equipped with long (L/43) guns. |

HEERES-FLAK-ABTEILUNG (motorisiert) Motorized Army Anti-Aircraft Battalion



KStN 1705
1.11.1941

Headquarters, Motorized Army Anti-Aircraft Battalion
Bn Hqs: 3 mcl; 1 car (light); 2 cars (15).

KStN 1709 *
1.11.1941

Headquarters Battery, Motorized Army Anti-Aircraft Battalion

Bty Hqs: 2 cars (15); 2 LMG.

Signal Plt: Hqs Sect: 2 mcl; 1 mcl w/sc; 1 car (15); 1 LMG.

1 Hvy Tele Sect *a*: 1 car (2); 1 van (23).

3 Lt Tele Sect *c*: 1 car (15).

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

1 Lt Radio Sect *a*: 1 van (17).

1 Med Radio Sect *b*: 1 car (15); 1 van (17).

1 Weather Sect: 1 mcl; 1 van (61).

1 Evaluation Sect: 1 truck (medium).

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

Bn Maint Det: 1 car (light); 4 trucks (3-ton).

Bn Trains: 1 car (light); 1 car (1); 3 trucks (light); 3 trucks (medium); 1 ambulance (31).

KStN 511
1.02.1941

Motorized Light Ansaldo Anti-Aircraft Column (The column capacity was achieved by varying the number of medium trucks)
Col: 2 mcl; 1 mcl w/sc; 2 trucks (light); 18 trucks (medium).

KStN 1711
1.03.1942

Motorized 88mm Army Anti-Aircraft Battery

Bty Hqs: 3 mcl; 2 cars (15); 2 LMG.

Calibration Det: Hqs Sect: 1 car (15).

2 Calibration Sect: 1 van (74); 1 trailer (gun director).

Signal Det: 1 Hvy Tele Sect *a*: 1 car (2); 1 van (23).

1 Lt Radio Sect *b*: 1 van (17).

Ammo Det: 4 trucks (3-ton).

Firing Battery:

Hqs Sect: 1 mcl; 1 car (15); 1 halftrack (7); 1 trailer (w/o gun).

Gun Sect: 4 halftracks (7); 4 AA guns (88mm – towed).

Lt AA Plt: 1 mcl w/sc; 3 trucks (81); 3 AA guns (20mm – towed).

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

Bty Trains: 1 car (light); 2 trucks (light); 1 truck (81); 3 trucks (medium); 1 trailer (ammo).

KStN 1713
1.03.1942

Motorized 20mm Army Anti-Aircraft Battery

Bty Hqs: 3 mcl; 1 car (1); 2 cars (15); 2 LMG.

Signal Det: Hqs Sect: 1 mcl w/sc.

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

1 Lt Radio Sect *b*: 1 van (17).

5 Pack Radio Sect *d*: 1 car (2).

Ammo Det: 4 trucks (3-ton).

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

Gun Sect: 3 trucks (81); 3 AA guns (20mm – towed).

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

Bty Trains: 1 car (light); 2 trucks (light); 3 trucks (medium).

NOTES:

During the reorganization after the Winter 1941/42 campaign, many GHQ Army anti-aircraft battalions which had been attached on a semi-permanent basis to various mechanized divisions were now permanently assigned to the corresponding artillery regiments as the IVth battalions.

This permanent assignment resulted in the anti-aircraft guns frequently being (mis-) used as field artillery, (and thereby not being able to perform their primary mission), so that in 1943 all anti-aircraft battalions reverted back to being GHQ troops, thereby regaining their previous designations, and function.

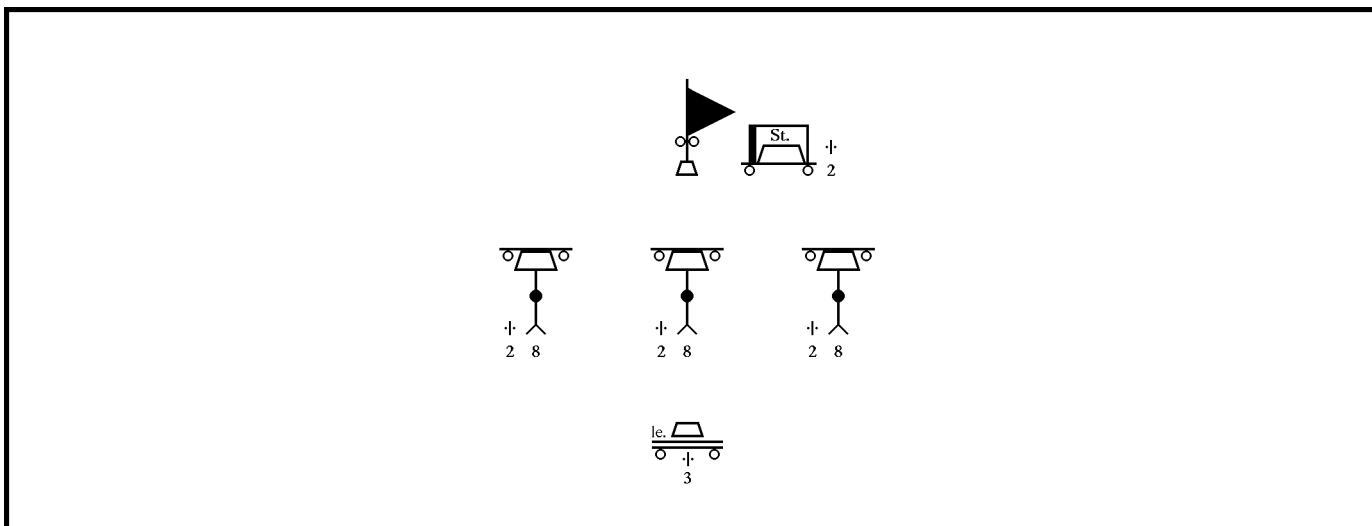
| Specifications of the 20mm and 88mm Anti-Aircraft Guns | | |
|---|---------------------------------|--|
| Designation: | 2cm Flugabwehrkanone 38 [or 30] | 8,8cm Flugabwehrkanone 36 & 37 [or 18] |
| Caliber: | 20mm | 88mm |
| Barrel length: | L/65 | L/56 |
| Horizontal Range: | 4,800 meters | 14,860 meters |
| Vertical Range: | 3,700 meters | 9,750 meters |
| Shell weight: | 0.132 kilos | 9.5 /15 kilos |
| Unlimbered weight: | 405 kilos [450 kilos] | 5,510 kilos |
| Limbered weight: | 860 kilos [890 kilos] | 8,200 kilos [7,000 kilos] |
| Traverse: | 360° | 360° on cruciform base |
| Elevation: | - 10° [- 20°] to + 90° | - 3° to + 85° |
| Rate of Fire: | 220 rpm [120 rpm] | 15 to 20 rpm |
| The figures in [square brackets] indicate data for the earlier model. | | |

There were 24 Motorized Army Anti-Aircraft Battalions on 28.06.1942.

| | | |
|-------------------|---------------|--|
| 271 | 20-ton Column | Army Group South, (becomes IV./13. Art. Rgt. on 28.07.42) |
| 272 ¹⁾ | – | 18th Army, Army Group North |
| 273 ¹⁾ | – | 9th Army, Army Group Center |
| 274 | 20-ton Column | 16. Pz.Div. (becomes IV./16. Art.Rgt. on 1.07.42) |
| 275 | 20-ton Column | 13. Pz.Div. (IV./13. Art.Rgt. since 2.06.42, until 28.07.42) |
| 276 | 20-ton Column | 14. Pz.Div. (becomes IV./14. Art.Rgt. on 9.07.42). |
| 277 | 20-ton Column | 11. Pz.Div. (IV./19. Art.Rgt. since 24.06.42) |
| 278 | 20-ton Column | 23. Pz.Div. (IV./128. Art.Rgt. since 24.04.42) |
| 279 | 20-ton Column | 1st Pz Army, Army Group South |
| 280 ¹⁾ | – | 18th Army, Army Group North |
| 281 | 20-ton Column | 16. Inf.Div. (mot) (IV./146. Art.Rgt. since 10.05.42) |
| 282 | 20-ton Column | 60. Inf.Div. (mot) (IV./160. Art.Rgt. since 28.04.42) |
| 283 | 20-ton Column | 24. Pz.Div. (IV./89. Art.Rgt. since 28.04.42) |
| 284 | 20-ton Column | 2nd Pz Army, Army Group Center |
| 285 | 48-ton Column | Großdeutschland Inf.Div. (IV./GD. Art. Rgt. since 15.03.42) |
| 286 | 20-ton Column | 2nd Pz Army, Army Group Center |
| 287 | 20-ton Column | 9. Pz.Div. (IV./102. Art. Rgt. since 2.06.42) |
| 288 | 20-ton Column | 9th Army, Army Group Center |
| 289 | 20-ton Column | 22. Pz.Div. (IV./140. Art.Rgt. since 25.06.42) |
| 302 ²⁾ | 20-ton Column | 10. Pz.Div. (becomes IV./90. Art.Rgt. on 19.07.42) |
| 303 ³⁾ | 20-ton Column | 2nd Pz Army, Army Group Center |
| 312 | 20-ton Column | 3. Inf. Div. (mot) (IV./3. Art.Rgt. since 16.05.42) |
| 313 | 20-ton Column | 29. Inf.Div. (mot) (IV./29. Art.Rgt. since 27.04.42) |
| 314 | 20-ton Column | 3. Pz.Div. (IV./103. Art.Rgt. since 4.06.42) |

1) These three battalions did not have their full allotment of motor vehicles. Only two 88mm guns could be moved at one time and they had no light columns. They were regarded as semi-motorized.
2) Refitting in WK XII
3) Refitting in WK XVII

**NEBELWERFER-ABTEILUNG (motorisiert)
Motorized Rocket Launcher Battalion**



KStN 607 *) Headquarters, Motorized Rocket Launcher Battalion

1.11.1941 Bn Hqs: 3 mcl; 1 car (1); 3 cars (15).
Bn Hqs Trains: 2 trucks (medium).

KStN 627 Headquarters Battery, Motorized Rocket Launcher Battalion

1.11.1941 Bty Hqs: 2 mcl; 1 car (15); 1 armored observation vehicle (253).
Signal Det: Hqs Sect: 1 car (15).
1 Hvy Tele Sect a: 1 car (2); 1 van (23).
2 Lt Tele Sect c: 1 car (15).
2 Lt Radio Sect b: 1 van (2).
4 Pack Radio Sect f: 1 car (2).
Calibration Sect: 1 car (15); 1 halftrack (10/1).
Bty Trains: 2 cars (light); 1 AA car (4 w/ dual MG); 3 trucks (light); 1 ambulance (31).
Bn Maint Det: 1 mcl w/sc; 1 car (2/40); 1 car (light); 3 trucks (3-ton).
Bn Trains: 1 car (light); 2 trucks (medium).

KStN 664 Motorized Light Rocket Launcher Column

1.02.1941 Hqs Sect: 1 mcl; 1 car (light); 1 LMG.
2 Transport Sect: 4 trucks (light); 1 LMG.
Col Trains: 1 mcl; 3 trucks (light).

KStN 614 Motorized 105mm Rocket Launcher Battery

1.02.1941 Bty Hqs: Hqs Sect: 2 cars (1); 1 AA car (4 w/ dual MG).
2 Lt Tele Sect c: 1 car (15).
3 Pack Radio Sect f: 1 car (2).
2 Rocket Plt: Hqs Sect: 1 mcl; 1 car (1).
Launcher Sect: 4 halftracks (11/4); 4 launchers (105mm – towed).
Ammo Det: 1 mcl w/sc; 4 halftracks (11/4).
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Bty Trains: 1 mcl; 1 car (light); 4 trucks (light); 1 truck (medium).

NOTES:

Although the general impression of the German Nebeltruppen (literally, Smoke Troops, i.e. Rocket Launcher Troops) is that they were all equipped with multiple tube equipment, this was only the case starting in 1941, and did not apply to the independent rocket launcher battalions. Until October 1942 the independent Nebelwerfer-Abteilung were equipped with single-tube launchers, namely the new Nebelwerfer 40 (Nbl.W. 40).

The 9 Motorized Rocket Launcher battalion served on in North Africa until the capitulation in Tunisia in May 1943. The other three battalions (2., 3., 5.) were dissolved in October 1942 and amalgamated into rocket launcher regiments.

The Nbl.W. 40 replaced the Nebelwerfer 35, (which weighed only 105 kilos in firing position), which was in effect was a large mortar. It had been loaded via the front of the tube and had a smooth barrel. The Nbl.W. 40 had the same caliber, but

had more than twice the range. It was also a much heavier and more complex weapon. It had a recoil mechanism, and the round was loaded via a breech block and fired by percussion. However, the high elevation, trajectory and the smooth barrel of a mortar were retained.

The increased weight also meant that the Nbl.W. 40 was now permanently fixed on a two-wheeled trailer, towed by a motor vehicle. The two wheels served as the front stabilizers. A round base plate typical of all mortars was carried on the trailer, and only replaced when the weapon was to be fired. The Nbl.W. 40 could be man-handled into position, but the distance it could be moved by sheer manpower alone was limited, and contrary to the Nbl.W. 35, could no longer be broken down into three man-packed loads.

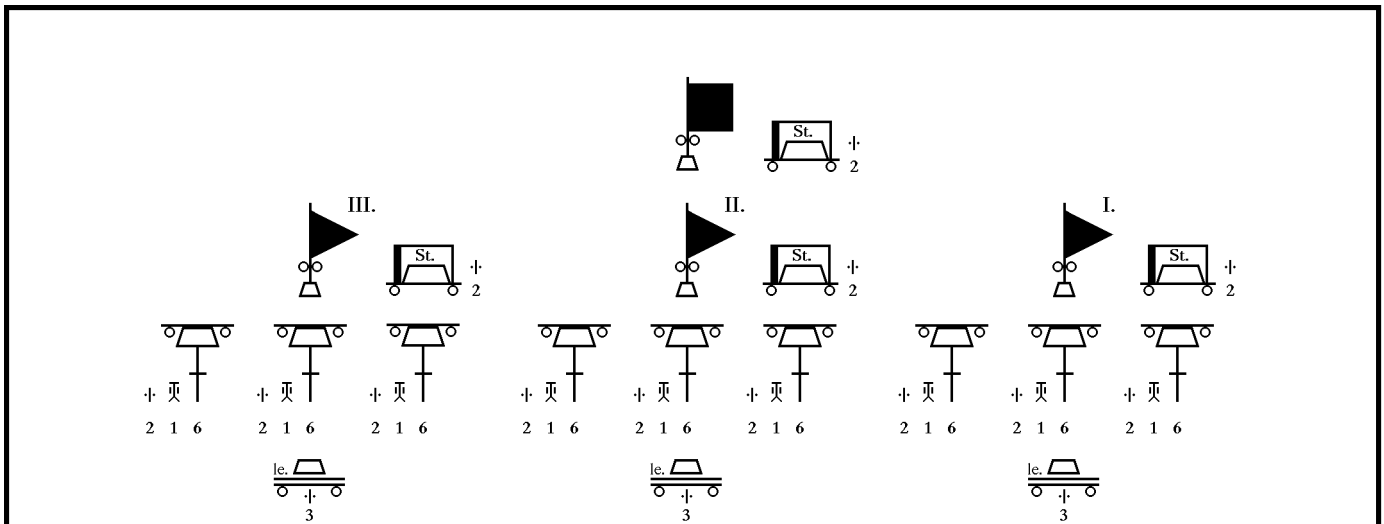
The round for the Nbl.W. 40 had a 1.2 kilo high-explosive payload, and was also available in a smoke version. Chemical-filled projectiles, (other than smoke), were also available but not used in WWII. The weapon was inaccurate. At extreme range it spread the fall of shot in a radius of 138 meters. The Nbl.W. 40 round was longer than that of the Nbl.W. 35. The new round could be fired by the Nbl.W. 35, but not the other way around.

There were 6 Motorized 105mm Rocket Launcher Battalions on 28.06.1942.

| <i>Specifications of the 105mm Rocket Launcher</i> | |
|--|----------------------------|
| Designation: | Nebelwerfer 40 (Nbl.W. 40) |
| Introduced: | 1941 |
| Caliber: | 105mm |
| Tube length: | L/17.7 |
| Range: | 6,350 meters |
| Projectile weight: | 8.9 kilos |
| Unlimbered weight: | 800 kilos |
| Limbered weight: | 892 kilos |
| Traverse: | 14° / 14° |
| Elevation: | + 45° to + 84° |
| Rate of Fire: | 8 to 10 rpm |

| | |
|---|----------------------------|
| 1 | ? |
| 2 | ? |
| 3 | Army Group Center (?) |
| 4 | ? |
| 5 | Army Group Center (?) |
| 9 | D.A.K., Panzer Army Afrika |

WERFER-REGIMENT (motorisiert)
Motorized Rocket Launcher Regiment



- KStN 601 *) Headquarters, Motorized Rocket Launcher Regiment**
 1.11.1941 Rgt Hqs: 1 mcl; 1 mcl w/sc; 1 car (1); 2 cars (15).
- KStN 621 *) Headquarters Battery, Motorized Rocket Launcher Battalion**
 1.11.1941 Bty Hqs: 2 mcl; 1 car (15); 1 armored observation vehicle (253).
 Signal Plt: Hqs Sect: 1 car (15).
 2 Hvy Tele Sect a: 1 car (2); 1 van (23).
 2 Lt Tele Sect c: 1 car (15).
 1 Lt Radio Sect b: 1 van (17).
 Bty Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Bty Trains: 2 cars (light); 1 AA car (4 w/ dual MG); 3 trucks (light); 1 ambulance (31).
- KStN 607 *) Headquarters, Motorized Rocket Launcher Battalion**
 1.11.1941 Bn Hqs: 3 mcl; 1 car (1); 3 cars (15).
 Bn Hqs Trains: 2 trucks (medium).
- KStN 627 Headquarters Battery, Motorized Rocket Launcher Battalion**
 1.11.1941 Bty Hqs: 2 mcl; 1 car (15); 1 armored observation vehicle (253).
 Signal Det: Hqs Sect: 1 car (15).
 1 Hvy Tele Sect a: 1 car (2); 1 van (23).
 2 Lt Tele Sect c: 1 car (15).
 2 Lt Radio Sect b: 1 van (2).
 4 Pack Radio Sect f: 1 car (2).
 Calibration Sect: 1 car (15); 1 halftrack (10/1).
 Bty Trains: 2 cars (light); 1 AA car (4 w/ dual MG); 3 trucks (light); 1 ambulance (31).
 Bn Maint Det: 1 mcl w/sc; 1 car (2/40); 1 car (light); 3 trucks (3-ton).
 Bn Trains: 1 car (light); 2 trucks (medium).
- KStN 664 Motorized Light Rocket Launcher Column**
 1.02.1941 Hqs Sect: 1 mcl; 1 car (light); 1 LMG.
 2 Transport Sect: 4 trucks (light); 1 LMG.
 Col Trains: 1 mcl; 3 trucks (light).
- KStN 617 Motorized 150mm Rocket Launcher Battery**
 1.11.1941 Bty Hqs: Hqs Sect: 2 car (1); 1 AA car (4 w/ dual MG).
 Signal Det: Hqs Sect: 1 car (15).
 2 Lt Tele Sect c: 1 car (15).
 2 Pack Radio Sect f: 1 car (2).
 1 Rocket Plt: Hqs Sect: 1 car (1).
 Launcher Sect: 3 halftracks (11/4); 3 launchers (150mm - towed).
 1 Rocket Plt: Hqs Sect: 1 halftrack (10/1); 1 ATG (50mm - towed).
 Launcher Sect: 3 halftracks (11/4); 3 launchers (150mm - towed).
 2 Ammo Det: 1 mcl w/sc; 3 halftracks (11/4); 3 trailers (ammo).
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Bty Trains: 1 car (light); 4 trucks (light); 1 truck (medium).

NOTES:

The Germans introduced the 150mm multiple rocket launchers for laying heavy concentrations of smoke or massed fire on area targets. The projectiles were either smoke or high explosive. The projectors were lighter, cheaper, and more mobile than field artillery firing shells of similar weight. However, accuracy of the tube artillery had to be replaced by the launchers' volume of fire.

The 150mm multiple rocket launcher consisted of six tubes set in a circle upon a wheeled carriage. To unlimber the launcher, it was raised up on its front stabilizer plate and the split trail, so that the wheels were raised up from the ground when fired.

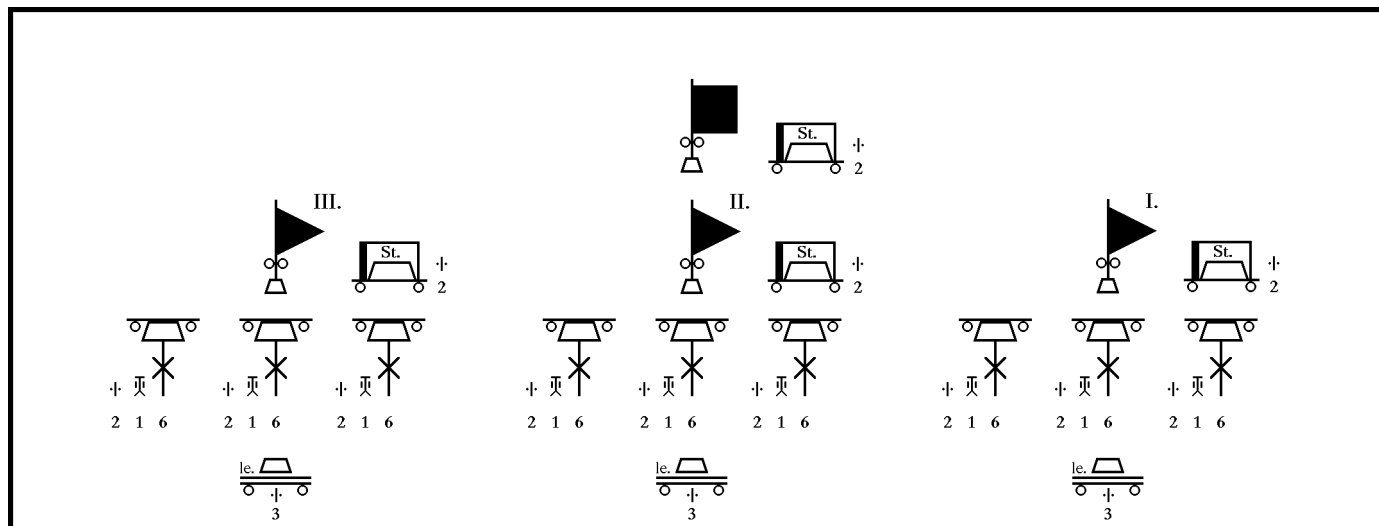
The rocket launcher regiments were designated as "Nebelwerfer-Regiment" until 15.04.1942. After this date, they were redesignated as "Werfer-Regiment", however, there was no change in function or organization.

There were five Motorized Rocket Launcher Regiments on 28.06.1942:

| <i>Specifications of the Rocket Launchers</i> | |
|---|---|
| Designation: | 15cm Nebelwerfer 41 (15cm Nbl.W. d) |
| Introduced: | 1941 |
| Caliber: | 158.5mm |
| Range: | initially 3,500 meters (later 6,700 meters) |
| Projectile weight: | 34.15 kilos |
| Unlimbered weight: | 540 kilos |
| <i>incl. rockets</i> | 745 kilos |
| Limbered weight: | 590 kilos |
| <i>incl. rockets</i> | 795 kilos |
| Traverse: | 27° / 27° |
| Elevation: | - 5° to + 45° |
| Rate of Fire: | 3 salvos in 5 minutes |

| | |
|--|-----------------------------|
| Werfer-Lehr-Rgt ¹⁾ | 11th Army, Army Group South |
| 51. Werfer-Rgt | 6th Army, Army Group South |
| 52. Werfer-Rgt | (Army Group South ?) |
| 53. Werfer-Rgt | 6th Army, Army Group South |
| 54. Werfer-Rgt | 11th Army, Army Group South |
| 70. Werfer Rgt ²⁾ | 11th Army, Army Group South |
| 1) I./WLR had 2 batteries of 105mm and 1 battery of 150mm equipment. | |
| 2) II./70 had 280/320mm equipment | |

SCHWERER WERFER-REGIMENT (motorisiert)
Motorized Heavy Rocket Launcher Regiment



KKStN 601 *)
 1.11.1941

Headquarters, Motorized Rocket Launcher Regiment
 Rgt Hqs: 1 mcl; 1 mcl w/sc; 1 car (1); 2 cars (15).

KStN 621 *)
 1.11.1941

Headquarters Battery, Motorized Rocket Launcher Battalion
 Bty Hqs: 2 mcl; 1 car (15); 1 armored observation vehicle (253).
 Signal Plt: Hqs Sect: 1 car (15).
 2 Hvy Tele Sect a: 1 car (2); 1 van (23).
 2 Lt Tele Sect c: 1 car (15).
 1 Lt Radio Sect b: 1 van (17).
 Bty Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Bty Trains: 2 cars (light); 1 AA car (4 w/ dual MG); 3 trucks (light); 1 ambulance (31).

KStN 607 *)
 1.11.1941

Headquarters, Motorized Rocket Launcher Battalion
 Bn Hqs: 3 mcl; 1 car (1); 3 cars (15).
 Bn Hqs Trains: 2 trucks (medium).

KStN 625 *)
 1.11.1941

Headquarters Battery, Motorized Rocket Launcher Battalion
 Bty Hqs: 2 mcl; 1 car (15); 1 armored observation vehicle (253).
 Signal Det: Hqs Sect: 1 car (15).
 2 Hvy Tele Sect a: 1 car (2); 1 van (23).
 2 Lt Tele Sect c: 1 car (15).
 2 Lt Radio Sect b: 1 van (2).
 4 Pack Radio Sect f: 1 car (2).
 Calibration Sect: 1 car (15); 1 halftrack (10/1).
 Bty Trains: 2 cars (light); 1 AA car (4 w/ dual MG); 3 trucks (light); 1 ambulance (31).
 Bn Maint Det: 1 mcl w/sc; 1 car (2/40); 1 car (light); 3 trucks (3-ton).
 Bn Trains: 1 car (light); 5 trucks (medium).

KStN 664
 1.02.1941

Motorized Light Rocket Launcher Column
 Hqs Sect: 1 mcl; 1 car (light); 1 LMG.
 2 Transport Sect: 4 trucks (light); 1 LMG.
 Col Trains: 1 mcl; 3 trucks (light).

KStN 615 *)
 1.11.1941

Motorized 280/320mm Rocket Launcher Battery
 Bty Hqs: Hqs Sect: 4 mcl; 1 car (1); 1 AA car (4 w/ dual MG); 1 armored observation vehicle (253).
 Signal Det: Hqs Sect: 1 car (15).
 1 Lt Tele Sect c: 1 car (15).
 3 Pack Radio Sect f: 1 car (2).
 1 Rocket Plt: Hqs Sect: 1 car (1).
 Launcher Sect: 3 halftracks (10/1); 3 launchers (280/320mm – towed).
 1 Rocket Plt: Hqs Sect: 1 halftrack (10/1); 1 ATG (50mm – towed).
 Launcher Sect: 3 halftracks (10/1); 3 launchers (280/320mm – towed).
 2 Ammo Det: 1 mcl w/sc; 3 halftracks (10/1); 3 trailers (ammo).
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Bty Trains: 1 car (light); 4 trucks (light); 1 truck (medium).

NOTES:

The heavy rocket launcher regiments were raised in early 1942, and included former "Entgiftungs" (i.e. decontamination) battalions.

The 280/320mm multiple rocket launcher had originally been designed for chemical warfare. The launchers were capable of laying massed concentrations of chemical agents or gas on area targets. As the Germans did not consider

employing chemical warfare, it was decided to use the equipment in conventional warfare.

The 280mm rocket contained 50 kilos of TNT or amatol. The 320mm rocket contained 38 liters of an incendiary liquid made from a mixture of petrol and diesel oil.

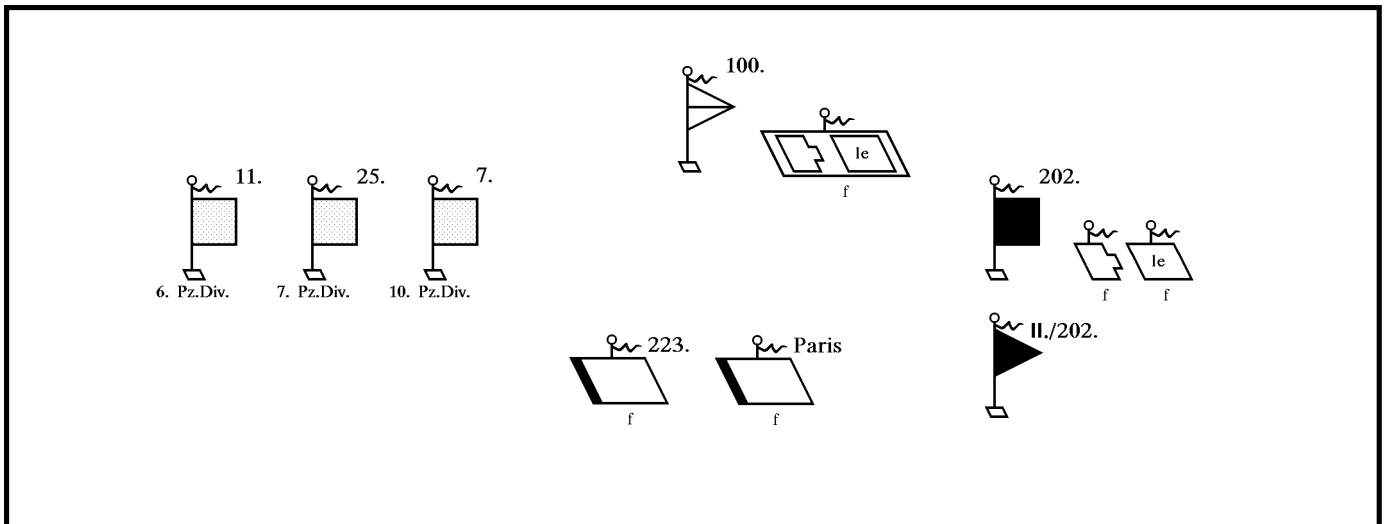
The 28/32cm Nebelwerfer 41 rocket launcher consisted of six open steel frames in two superimposed rows of three (three on top and three on the bottom) on a two-wheel carriage. Each of the six frames was designed to hold one 320mm rocket, and liner rails were provided for use with the 280mm rockets. The launcher was held in position for firing by two jacks in the front and a small spade in the rear, and had a fixed, triangular trail.

There were three Motorized Rocket Launcher Regiments on 28.06.1942:

| Specifications of the 280/320mm Rocket Launcher | |
|---|--|
| Designation: | 28/32cm Nebelwerfer 41 (28/32cm Nbl.W. 41) |
| Introduced: | 1942 |
| Caliber: | 320mm (280mm when tubes fitted with rails) |
| Tube length: | – |
| Range: | 280mm: 1,925 meters / 320mm: 2,200 meters |
| Projectile weight: | 280mm: 82 kilos / 320mm: 79 kilos |
| Unlimbered weight: | 1,130 kilos |
| Limbered weight: | 1,156 kilos |
| Traverse: | 30° / 30° |
| Elevation: | 0° to +45° |
| Rate of Fire: | 2 salvos (of six rounds each) in 5 minutes |

| | |
|--|-------------------|
| 1. s. Werfer-Rgt | Army Group Center |
| 2. s. Werfer-Rgt | Army Group South |
| 3. s. Werfer-Rgt * | Army Group North |
| *) 3. s. Werfer-Rgt had only two battalions. | |

100. HEERES-PANZER-BRIGADE
100th Independent Tank Brigade

**KStN 56 *)**

1.11.1941

Headquarters, Independent Tank Brigade

Bde Hqs: 6 mcl; 4 mcl w/sc; 2 cars (medium-cc); 1 car (heavy-cc).
 Bde Hqs Trains: 2 trucks (2-ton); 1 truck (medium).

Headquarters Company, Independent Tank Brigade**KStN 1152c**

1.05.1941

Co Hqs: 2 mcl; 1 car (15).
 Co Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 truck (3-ton).
 Co Trains: 1 mcl; 1 car (light); 2 trucks (light).

KStN 1190c

10.04.1941

Signal Plt: Hqs Sect: 1 mcl w/sc; 1 car (medium-cc).
 Armd Radio Det: 1 Bef-Pz-III (267); 3 Bef-Pz-S35(f).
 3 Lt Radio Sect e: 1 van (17).
 2 Hvy Tele Sect a: 1 car (2); 1 car (23).
 Plt Trains: 1 truck (2-ton).

KStN 1168c

1.02.1941

Lt Tank Plt: 1 mcl w/sc; 4 Pz-H38(f), 1 Pz-S35(f).
 Plt Trains: 1 truck (2-ton).

KStN 1103c

1.02.1941

Headquarters, Tank Regiment

Rgt Hqs: 4 mcl; 2 mcl w/sc; 3 cars (medium-cc); 1 car (heavy-cc).
 Signal Plt: Hqs Sect: 1 mcl w/sc; 1 car (light); 1 Pz-H38(f).
 2 Armd Radio Sect: 1 Bef-Pz-S35(f).
 1 Lt Tele Sect e: 1 car (15).
 2 Lt Radio Sect c: 1 car (15).
 Lt Tank Plt: 1 mcl w/sc; 4 Pz-H38(f), 1 Pz-S35(f).
 Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 truck (medium-cc).
 Rgt Hqs Trains: 1 car (light); 1 car (1); 1 car (medium-cc); 4 trucks (light); 2 trucks (3-ton).

NOTES:

The cars and vehicles with a general weight classification are French vehicles. The suffix "cc" indicates a cross-country vehicle. The armored vehicles referred to are as follows:

Pz-S35(f) is a slightly modified French Somua Char 1935-S.
 Bef-Pz-S35(f) is the same vehicle converted to a command tank.
 Pz-H38(f) is a slightly modified French Hotchkiss Char 1938-H.
 Bef-Pz-H38(f) is the same vehicle converted to a command tank.
 Pz-H35(f) is a slightly modified French Hotchkiss Char 1935-H.
 Pz-B2 Flamm(f) is a French Char B1bis converted to a flame-thrower.
 Pz-R17(f) is a French Renault FT17 with a Renault (riveted) turret.
 Pz-R18(f) is a French Renault FT17 with a Berliett (cast) turret.

The 100. Heeres-Panzer-Brigade was responsible for administration, training and raising all Army armored units present in France.

The brigade maintained a large equipment park of French vehicles, guns, tanks, and other equipment. This equipment was provided to units being raised in France or sent there for refitting. Burnt out Panzer units normally turned over all their equipment to another unit, and the remnants were then shipped to France, where they were brought up to strength. They were filled up with personnel replacements, which were then schooled in institutions maintained by the 100th Tank Brigade. At the same time, unit tactical training was provided at Training Grounds also maintained by the Brigade. As the unit slowly recovered, it started to receive its normal (usually German) equipment. By the time it was combat ready, it was supposed to have been completely refitted. When the unit departed, it was as near

to its authorized KStN strength as it ever would be. The remaining French equipment was returned to the 100. Heeres-Panzer-Brigade. Exceptions to this were a series of armored units activated for anti-partisan use which retained their French equipment, including the tanks, when they departed the Ober-befehlshaber West theater.

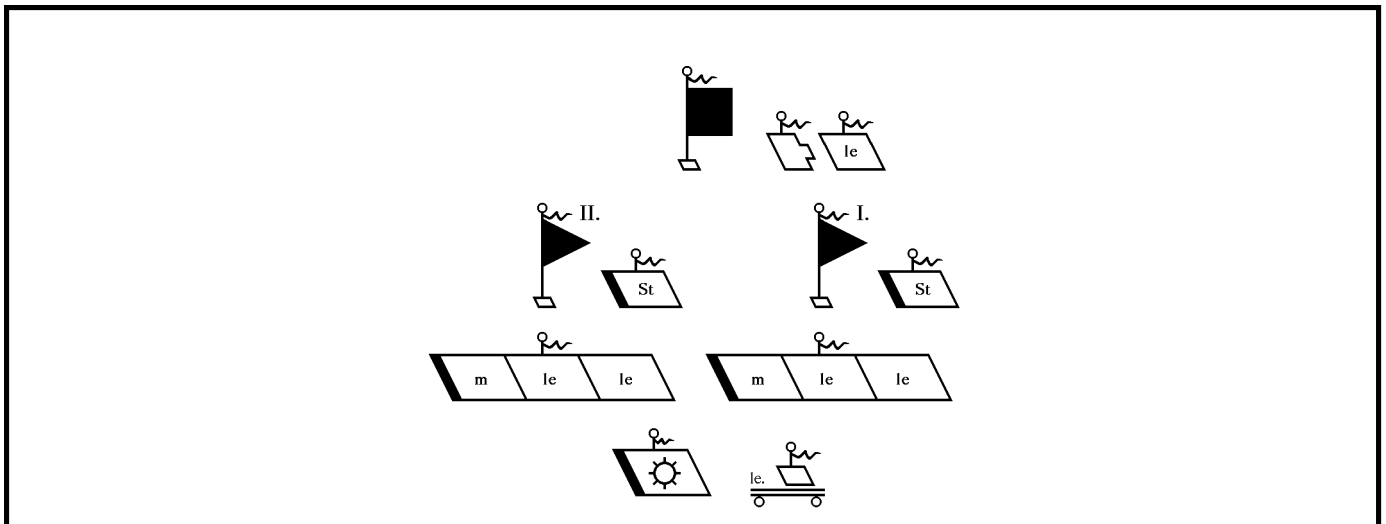
In addition to relying on replacements in the form of wounded returned to their units, personnel returning from leave, and those having finished various courses, the brigade had its own personnel replacement battalion, the 100. Panzer-Ersatz-Abteilung in Versailles, which provided tank personnel as needed.

Besides its main mission of administrating the training and refitting of Panzer units in the West, (such as the 7., 11., and the 25. Panzer Regiments), it was also in charge of the Panzer-Kompanie Paris. On 28.06.1942, it also had the Headquarters, 202. Panzer-Regiment with its IIInd Battalion, and the 223. Panzer-Kompanie (Beute) under its command.

The 100. Heeres-Panzer-Brigade was redesignated as the Stab, General der Panzertruppen (Headquarters, Commander of Armored Troops) for Ob. West on 2.07.1943. It was to become the Panzergruppenkommando West (Armored Command West) on 24.01.1944.

Commanding Officer: Generalleutnant (Major General) Johann Haarde
Raised on: 1.03.1941
Raised at: Versailles, France
Assigned to: Directly to Army Group D, (Ob. West)

PANZER-REGIMENT
Tank Regiment

**KSStN 1103 Headquarters, Tank Regiment**

1.11.1941

Rgt Hqs: 4 mcl; 2mcl w/sc; 2 cars (15); 1 car (21).
 Lt Tank Plt: 5 Pz-II (121).
 Signal Plt: 1 mcl w/sc; 1 car (15); 1 Pz-III (141); 2 Bef-Pz-III (267).
 Rgt Hqs Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 truck (3-ton).
 Rgt Trains: 2 mcl; 1 car (1); 2 trucks (light); 2 trucks (2-ton); 5 trucks (3-ton); 1 bus (medium/30 seats).

KSStN 1187 Motorized Tank Maintenance Company

1.06.1942

Co Hqs: 1mcl; 1 mcl w/sc; 1 car (light); 1 car (1); 1 truck (medium); 1 AA car (4 w/ dual MG).
 2 Workshop Plt: 7 tucks (3-ton); 2 trucks (4.5-ton); 2 vans (4.5-ton); 1 bus (medium/22 seats); 1 trailer (tool);
 1 trailer (welding); 2 LMG.
 Recovery Plt: 2 mcl w/sc; 1 car (1); 1 motor crane (100 – 3-ton capacity); 1 halftrack crane (9/1 – 6-ton capacity); 2 halftracks (7);
 6 halftracks (9); 2 trailers (10-ton/light tanks); 4 trailers (22-ton/medium tank).
 Armorer Sect: 1 mcl w/sc; 1 car (15); 4 trucks (medium).
 Signal Maint Sect: 1 truck (2-ton); 2 vans (42); 1 trailer (generator).
 Co Trains: 1 mcl w/sc; 1 car (light); 4 trucks (medium).

KSStN 1107 Headquarters, Tank Battalion

1.11.1941

Bn Hqs: 2 mcl; 1 mcl w/sc; 1 car (light); 3 cars (15); 1 truck (light).

KSStN 1150 Headquarters Company, Tank Battalion

1.11.1941

Co Hqs: 2 mcl; 1 car (15).
 Lt Tank Plt: 5 Pz-II (121).
 Signal Plt: 1 mcl; 1 car (15); 1 Pz-III (141); 2 Bef-Pz-III (266).
 Scout Plt: Hqs Sect: 3 mcl; 1 car (1).
 4 Sect: 1 mcl; 2 mcl w/sc; 1 LMG.
 AA Plt: 4 cars (4 w/ dual MG).
 Engineer Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 2 trucks (2-ton).
 3 Engineer Sect: ride in Headquarters Section trucks (2-ton); 1 LMG.
 1 Armored Engineer Sect: 3 Pz-II (121).
 Co Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 truck (3-ton).
 Bn Trains: 2 mcl; 2 mcl w/sc; 1 car (light); 1 car (1); 1 truck (light); 1 truck (2-ton); 2 trucks (medium); 34 trucks (3-ton).
 Bn Medic Sect: 1 mcl w/sc; 1 truck (3-ton); 1 ambulance (31); 1 armored ambulance (251/8).

KSStN 1183(Sd) Motorized Light Transport Column, Tank Battalion

1.02.1941

Col Hqs: 1 mcl; 1 mcl w/sc; 1 car (15).
 3 Sect: 1 mcl; 8 trucks (2-ton).
 Col Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Col Trains: 2 trucks (light).

KSStN 1171 Light Tank Company

1.11.1941

Co Hqs: 3 mcl; 1 car (15); 5 Pz-II (121); 2 Pz-III (141).
 3 Tank Plt: 5 Pz-III (141).
 Maint Sect: 2 mcl w/sc; 1 car (2/40); 1 truck (3-ton); 2 halftracks (10).
 Co Trains: 2 mcl w/sc; 1 car (1); 1 truck (medium); 5 trucks (3-ton).

KSStN 1175 Medium Tank Company

1.11.1941

Co Hqs: 3 mcl; 1 car (15); 5 Pz-II (121); 2 Pz-IV (161).
 3 Tank Plt: 4 Pz-IV (161).
 Maint Sect: 2 mcl w/sc; 1 car (2/40); 1 truck (3-ton); 2 halftracks (10).
 Co Trains: 2 mcl w/sc; 1 car (1); 1 truck (medium); 5 trucks (3-ton).

NOTES:

These Panzer units were a group of miscellaneous formations in training and being prepared for other roles.

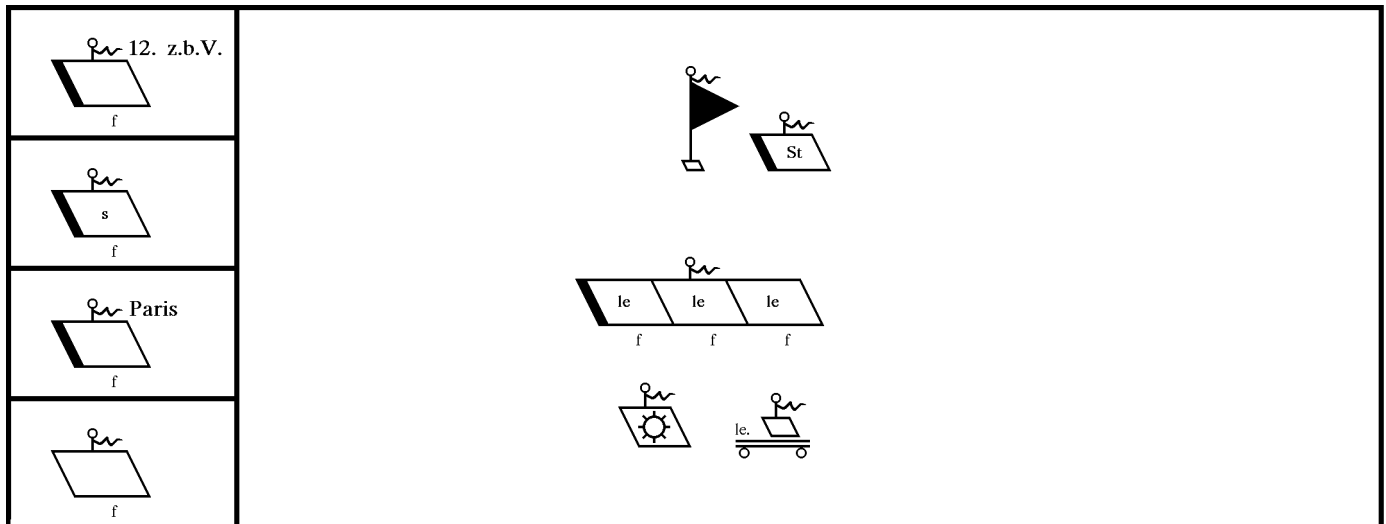
II./202. Pz.Rgt. [3 lt + 1 med Co; 1 reduced Maint Co; 1 Transport Col] 100. Pz.Brig., Army Group D
 203. Pz. Rgt. [2 lt + 1 med Co each; 1 Maint Co] 16th Army, Army Group North

The II./202. Panzer-Regiment was a unit in France already undergoing advanced

training with its German equipment. It was redesignated as the 190. Panzer-Abteilung on 1.08.1942, and sent to the 90. Afrika-Division (mot) in Tunisia, North Africa.

The 203. Panzer-Regiment was under Army Group North. Parts of it later formed II./Gross-Deutschland Panzer-Regiment, others the I./1. Panzer-Regiment.

PANZER-ABTEILUNG (Beute)
Tank Battalion (Captured Equipment)



| | |
|------------------------------------|--|
| KStN 1107c 1.02.1941 | Headquarters, Tank Battalion Bn Hqs: 2 mcl; 2 mcl w/sc; 1 car (light); 3 cars (medium-cc). Bn Admin Sect: 1 mcl; 1 car (light); 2 cars (medium-cc); 1 truck (light). |
| KStN 1150c 1.02.1941 | Headquarters Company, Tank Battalion Co Hqs: 3 mcl; 1 car (medium-cc); 1 truck (2-ton). Lt Tank Plt: 1 mcl w/sc; 4 Pz-H38(f); 1 Pz-S35(f). Signal Plt: Hqs Sect: 1 mcl; 1 car (medium-cc); 1 car (15). 2 Armd Radio Sect: 1 Bef-Pz-S35(f) 1 Armd Radio Sect: 1 Bef-Pz-H38(f) 2 Lt Radio Sect e: 1 van (17). Scout Plt: Hqs Sect: 3 mcl; 1 car (1). 4 Sect: 1 mcl; 2 mcl w/sc; 1 LMG. Engr Plt: Hqs Sect: 1 mc; 1 car (medium-cc). 3 Sect: 1 truck (medium-cc); 1 Engineer Section w/ 1 LMG. AA Plt: Hqs Sect: 1 mcl. 4 Sect: 1 AA car (4 w/ dual MG). Co Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 truck (3-ton). Bn Trains: 1 mcl w/sc; 2 cars (light-cc); 1 car (medium-cc); 11 trucks (medium-cc); 1 ambulance (31); 1 armored ambulance (French). |
| KStN 1183(Sd) 1.02.1941 | Motorized Light Transport Column, Tank Battalion Col Hqs: 1 mcl; 1 mcl w/sc; 1 car (15). 3 Sect: 1 mcl; 8 trucks (2-ton). Col Maint Sect: 1 mcl w/sc; 1 car (2/40). Col Trains: 2 trucks (light). |
| KStN 1185 1.06.1942 | Motorized Tank Maintenance Platoon Plt Hqs: 1 mcl w/sc; 1 car (1). Workshop Det: 9 trucks (3-ton); 1 van (79); 1 bus (medium/22 seats); 1 trailer (tool); 1 trailer (welding); 2 LMG. Signal Maint Sect: 1 truck (light); 2 vans (42); 1 trailer (generator). Recovery Det: 1 mcl w/sc; 1 car (1); 1 halftrack (7); 3 halftracks (9); 1 halftrack crane (9/1 – 6-ton capacity); 1 trailer (10-ton/light tank); 1 trailer (22-ton/medium tank). Armorer Sect: 1 mcl w/sc; 1 car (15); 2 trucks (medium). Plt Trains: 1 mcl w/sc; 1 car (light); 3 trucks (medium). |
| KStN 1171c 1.04.1941 | Light Tank Company Co Hqs: 2 mcl; 1 mcl/sc; 1 car (medium-cc); 2 Pz-S35(f); 2 trucks (2-ton). 3 Tank Plt: 4 Pz-H38(f); 1 Pz-S35(f). Maint Sect: 4 mcl w/sc; 1 car (2/40); 1 truck (3-ton); 2 halftracks (10). Co Trains: 1 mcl w/sc; 1 car (light); 1 car (medium-cc); 1 truck (medium); 10 trucks (3-ton). |
| KStN 1171d 17.04.1942 | 12th Light Tank Company for Special Purposes Co Hqs: 2 mcl; 1 car (medium-cc). 9 Tank Plt: 5 Pz-H38(f). 5 Tank Plt: 5 Pz-R17(f) or Pz-R18(f). Reserve Det: 10 Pz-H38(f); 5 Pz-R17(f) or Pz-R18(f). Maint Sect: 4 mcl w/sc; 1 car (2/40); 1 truck (3-ton); 2 halftracks (10). Co Trains: 1 mcl w/sc; 1 car (light); 1 car (medium-cc); 1 truck (medium); 10 trucks (3-ton). |
| KStN 1171(P) * 5.09.1941 | Light Tank Company (Paris) Co Hqs: 2 mcl; 1 mcl/sc; 1 car (medium-cc); 2 Pz-H35(f). 5 Tank Plt: 5 Pz-H35(f). Maint Sect: 4 mcl w/sc; 1 car (2/40); 1 truck (3-ton); 2 halftracks (10). Co Trains: 1 mcl w/sc; 1 car (light); 1 car (medium-cc); 1 truck (medium); 10 trucks (3-ton). |
| KStN 1175e*) 1.04.1941 | Heavy Flame Tank Company Co Hqs: 2 mcl; 1 mcl/sc; 1 car (medium-cc). 3 Flame Plt: 4 Pz-B2 Flamm(f). Maint Sect: 4 mcl w/sc; 1 car (2/40); 1 truck (3-ton); 2 halftracks (10). Co Trains: 1 mcl w/sc; 1 car (light); 1 car (medium-cc); 1 truck (medium); 10 trucks (3-ton). |

NOTES:

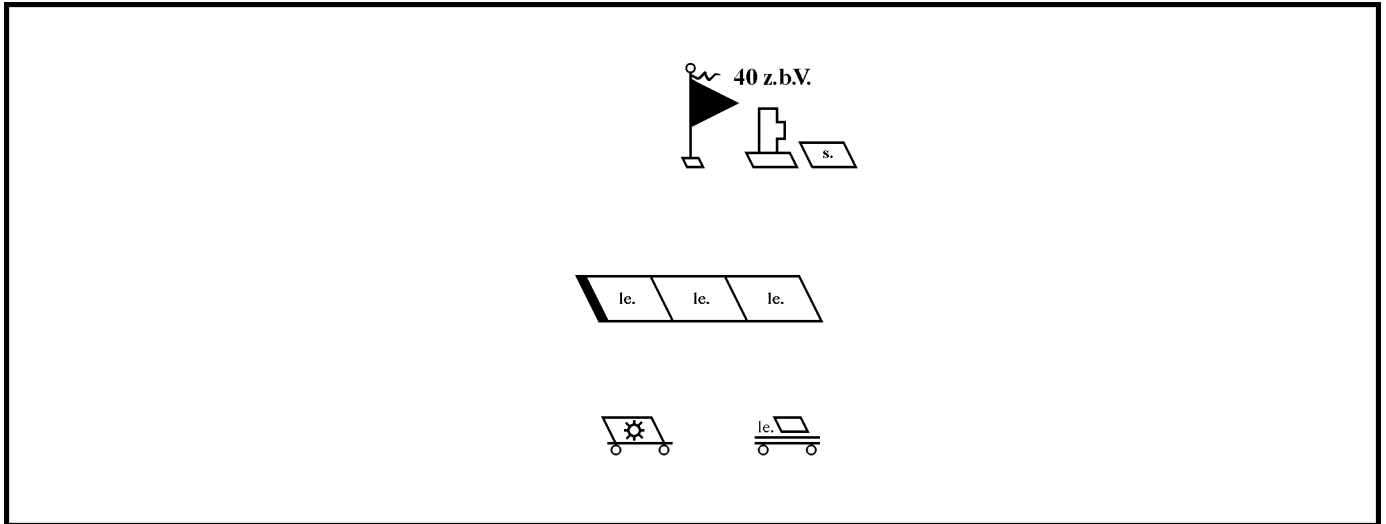
The units equipped with French tanks were a mixed bag. The following table shows the composition and assignments of all GHQ Panzer units equipped with French tanks on 28.06.1942:

| | |
|------------------|---|
| 1./202. Pz. Rgt. | [3 lt. Co + Transport Col] 714. Inf.Div., Kdr. Gen. u. Befh. Serbien, 12th Army |
| 211. Pz.Abt. | [Hqs Co with Signal a Mcl Plt only; 2 lt. Co] XXXVI. Mtn. Corps, 20 Mtn. Army |
| 212. Pz.Abt. | [1 lt. Co Pz-R17/18(f) + 1 lt. Co German tanks] Festungsdivision Kreta, 12th Army |
| 213. s. Pz.Abt. | [No Hqs Co; 2 Heavy Co of Flame Tanks] 319. Inf.Div., 7th Army, Army Group D |
| 12. Pz.Kp.z.b.V. | Kdr. Gen. u. Befh. Serbien, 12th Army |
| Paris Pz.Kp. | 100. Heeres-Pz.Brig., Hgr. D |
| 223. Pz.Kp. | [lt. Co] 100. Heeres-Pz.Brig., Hgr. D |
| 217. Pz.Zug | [lt. Plt with 5 Pz-R17/18(f)] 20 Mountain Army |
| 218. Pz.Zug | [lt. Plt with 5 Pz-R17/18(f)] 20 Mountain Army |
| 219. Pz.Zug | [lt. Plt with 5 Pz-R17/18(f)] 20 Mountain Army |

Only the 211. and 212. Panzer-Abteilung had Motorized Tank Maintenance Platoons. The 1./202. Panzer-Abteilung had a Transport Column and the 2nd Workshop Platoon of the 202 Maintenance Company.

- The 1./202. Panzer-Regiment was engaged in anti-partisan operations in the Balkans.
- The 211. Panzer-Abteilung was in Lappland.
- The 212. Panzer-Abteilung was subordinated to the Fortress Division Crete, which was charged with the defense of Crete.
- The 213rd Heavy Flame Tank Battalion was stationed on the Channel Islands.
- The 12. Panzer-Kompanie z.b.V. was engaged in anti-partisan operations in the Balkans.
- The Panzerkompanie Paris was held in reserve in case there was an uprising of the Paris population.
- The 233. Panzer-Kompanie was held in reserve in France to quell any popular uprising.
- The 217., 218., and 219. Panzer-Züge were in Lappland.

**40. PANZER-PANZER-ABTEILUNG z.b.V.
40th Special Tank Battalion**



KStN 1107 *) Headquarters, Panzer Battalion

1.10.1938 Bn Hqs: 3 mcl; 3 cars (15).
 Mcl Plt: Hqs Sect: 1 mcl; 2 cars (15).
 3 Sect: 6 mcl; 1 mcl w/sc; 1 LMG.
 Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 truck (3-ton).
 Bn Trains: 1 mcl w/sc; 1 car (light); 1 car (15); 6 trucks (1.5-ton); 4 trucks (3-ton).

KStN 1195 Signal Platoon, Panzer Battalion

1.10.1938 Plt: 2 Pz-Bef-I (265).
 2 Lt Tele Sect c: 1 car (15/1).

KStN 1183 *) Motorized Light Transport Column, Panzer Battalion

1.10.1938 Col Hqs: 1 mcl; 1 mcl w/sc; 1 car (15).
 3 Sect: 8 trucks (3-ton).
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Col Trains: 1 truck (light); 1 truck (2-ton).

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-Bef-I (265); 2 Pz-II (121); 1 Pz-I (101).
 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:

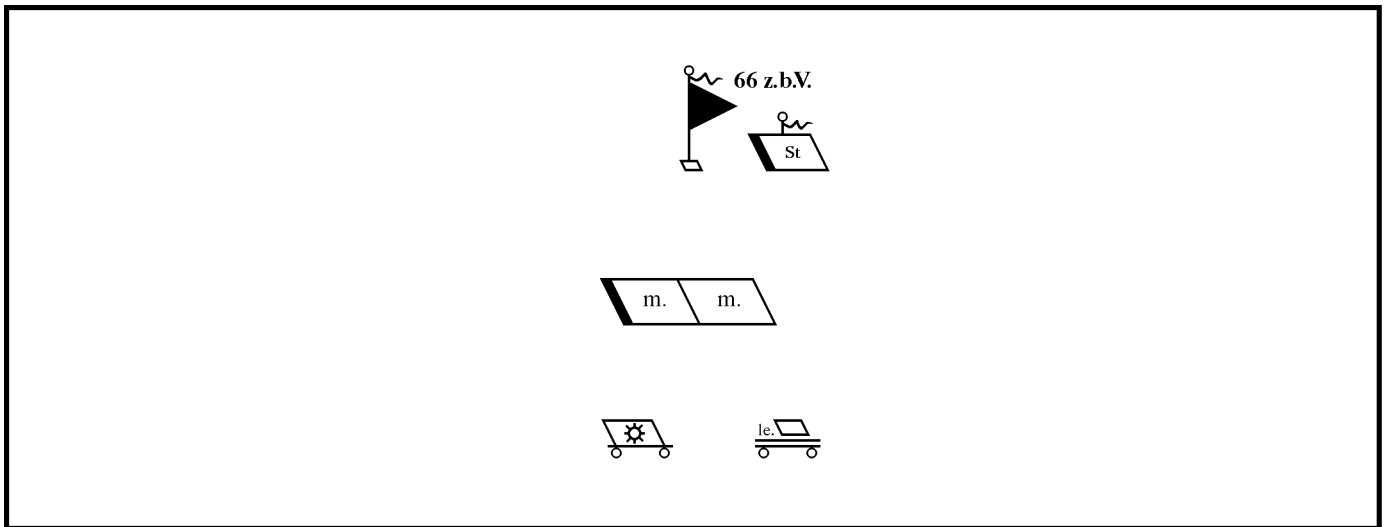
The 40. Panzer-Abteilung z.b.V. was in Finland. Three light companies had the KStN dated 1.10.1937. The battalion had a reduced-strength headquarters company with only the Signal and Motorcycle Platoons, as well as company trains. It also included a platoon with three heavy tanks

The majority of PzKpfw I were the model A (Ausf A), while PzKpfw II were mainly the Model c (Ausf c not to be confused with Ausf C). The three heavy tanks were Neubaufahrzeug Panzerkampfwagen VI (Krupp turret), one of which was a mild steel prototype.

It appears that it was probably also equipped with limited number (7 to 10) of Panzerkampfwagen III (mainly Ausf D and few Ausf F) medium tanks possibly assigned to the first company.

The 40. Panzer-Abteilung z.b.V. was incorporated into 25th Panzer Division in 1943.

**66. PANZER-PANZER-ABTEILUNG z.b.V.
66th Special Tank Battalion**



KStN 1107 Headquarters, Tank Battalion

1.11.1941 Bn Hqs: 2 mcl; 1 mcl w/sc; 1 car (light); 3 cars (15); 1 truck (light).

KStN 1150 Headquarters Company, Tank Battalion

1.11.1941 Co Hqs: 2 mcl; 1 car (15).
 Lt Tank Plt: 5 light tanks.
 Signal Plt: 1 mcl; 1 car (15); 1 medium tank; 2 medium command tanks.
 Scout Plt: Hqs Sect: 3 mcl; 1 car (1).
 4 Sect: 1 mcl; 2 mcl w/sc; 1 LMG.
 Co Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 truck (3-ton).
 Bn Trains: 2 mcl; 2 mcl w/sc; 1 car (light); 1 car (1); 1 truck (light); 1 truck (2-ton); 2 trucks (medium); 34 trucks (3-ton).
 Bn Medic Sect: 1 mcl w/sc; 1 truck (3-ton); 1 ambulance (31); 1 armored ambulance (251/8).

KStN 1185 Motorized Tank Maintenance Platoon

1.06.1942 Plt Hqs: 1 mcl w/sc; 1 car (1).
 Workshop Det: 9 trucks (3-ton); 1 van (79); 1 bus (medium/22 seats); 1 trailer (tool); 1 trailer (welding); 2 LMG.
 Signal Maint Sect: 1 truck (light); 2 vans (42); 1 trailer (generator).
 Recovery Det: 1 mcl w/sc; 1 car (1); 1 halftrack (7); 3 halftracks (9); 1 halftrack crane (9/1 – 6-ton capacity);
 1 trailer (10-ton/light tank); 1 trailer (22-ton/medium tank).
 Armorer Sect: 1 mcl w/sc; 1 car (15); 2 trucks (medium).
 Plt Trains: 1 mcl w/sc; 1 car (light); 3 trucks (medium).

KStN 1183(Sd) Motorized Light Transport Column, Tank Battalion

1.02.1941 Col Hqs: 1 mcl; 1 mcl w/sc; 1 car (15).
 3 Sect: 1 mcl; 8 trucks (2-ton).
 Col Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Col Trains: 2 trucks (light).

KStN 1175 Medium Tank Company

1.11.1941 Co Hqs: 3 mcl; 1 car (15); 5 light tanks; 2 medium tanks.
 3 Tank Plt: 5 medium tanks.
 Maint Sect: 2 mcl w/sc; 1 car (2/40); 1 truck (3-ton); 2 halftracks (10).
 Co Trains: 2 mcl w/sc; 1 car (1); 1 truck (medium); 5 trucks (3-ton).

NOTES:

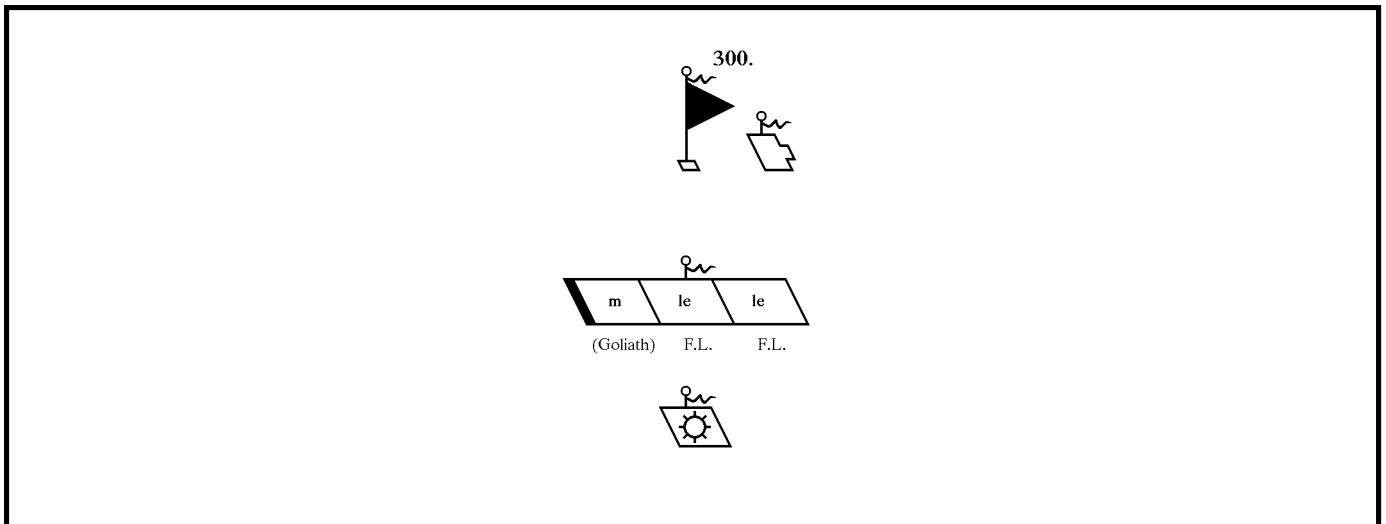
The 66. Panzer-Kompanie z.b.V. was first formed in late April or early May 1942 in Germany. It was enlarged to battalion size and redesignated as the 66. Panzer-Abteilung z.b.V. on 30.05.1942. Although initially raised to take part in the invasion of Malta, the cancellation of that operation changed the mission and subsequent use of the battalion. The battalion was not sent south.

Battalion Headquarters and Headquarters Company were dissolved soon after raising, while elements of the Maintenance Platoon was split up between the two companies. The 1st Company was sent to the 12. Panzer-Division (Army Group North) on the East Front on 25.07.1942, and amalgamated into the 29. Panzer-Regiment of that division later that year. The 2nd Company was sent Army Group Center, also on the East Front, on 14.08.1942 and used for a period in anti-partisan duties.

As raised, the battalion had the following organization:

1. Kompanie (German tanks)
 - 12x Pz IV G/BW (Trop) (75/43 type with 80mm frontal armour)
 - 5x Pz I Ausf F - VK 1801
 - 5x Pz II Ausf J - VK 1601
2. Kompanie (Russian tanks)
 - at least 10x KV-I and -II (at least 1x KV-II present) plus several T-34/76.

**300. PANZER-ABTEILUNG (fernleit)
300th Remote Controlled Tank Battalion**



KStN 1157 *) Headquarters, Tank Battalion

15.01.1942

Bn Hqs: 2 mcl; 1 mcl w/sc; 1 car (light); 3 cars (15); 1 truck (light).
Signal Plt: 1 mcl; 1 car (15); 1 Pz-III (141); 2 Bef-Pz-III (266).
Bn Hqs Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 truck (3-ton).
Bn Hqs Trains: 2 mcl; 2 mcl w/sc; 1 car (light); 1 car (1); 1 truck (light); 1 truck (2-ton); 2 trucks (medium); 34 trucks (3-ton).
Bn Medic Sect: 1 mcl w/sc; 1 truck (3-ton); 1 ambulance (31); 1 armored ambulance (251/8).

KStN 1159 *) Light Tank Company (Remote Control)

15.01.1942

Co Hqs: 3 mcl; 1 car (15); 2 Pz-III (141).
1 Tank Plt: Hqs Sect: 1 mcl w/sc; 1 car (1); 1 Pz-III (141).
3 Sect: 1 Pz-III (141); 3 B-IV (301); 1 halftrack (10).
Reserve Sect: 1 mcl w/sc; 11 B-IV (301).
1 Tank Plt: 5 Pz-III (141).
Maint Sect: 2 mcl w/sc; 1 car (2/40); 1 truck (3-ton); 2 halftracks (10).
Co Trains: 2 mcl w/sc; 1 car (1); 1 truck (medium); 5 trucks (3-ton).

KStN 1160 *) Medium Tank Company (Remote Control)

15.01.1942

Co Hqs: 3 mcl; 2 cars (15); 1 Pz-III (141).
2 Golia Plt: Hqs Sect: 1 mcl w/sc; 1 car (1);
3 Sect: 2 trucks (2-ton); 8 Goliath (302).
Transport Det: 12 trucks (3-ton).
Reserve Sect: 24 Goliath (302).
Maint Sect: 2 mcl w/sc; 1 car (2/40); 1 truck (3-ton).
Co Trains: 2 mcl w/sc; 1 car (1); 1 truck (medium); 5 trucks (3-ton).

KStN 1185 Motorized Tank Maintenance Platoon

1.06.1942

Plt Hqs: 1 mcl w/sc; 1 car (1).
Workshop Det: 9 trucks (3-ton); 1 van (79); 1 bus (medium/22 seats); 1 trailer (tool); 1 trailer (welding); 2 LMG.
Signal Maint Sect: 1 truck (light); 2 vans (42); 1 trailer (generator).
Recovery Det: 1 mcl w/sc; 1 car (1); 1 halftrack (7); 3 halftracks (9); 1 halftrack crane (9/1 – 6-ton capacity);
1 trailer (10-ton/light tank); 1 trailer (22-ton/medium tank).
Armorer Sect: 1 mcl w/sc; 1 car (15); 2 trucks (medium).
Plt Trains: 1 mcl w/sc; 1 car (light); 3 trucks (medium).

NOTES:

Two companies were equipped with the "schwere Ladungsträger B-IV", Ausf. A (Sd.Kfz. 301), which was a fast (38 km/h) radio controlled demolition delivery vehicle powered by a gasoline engine. It was moved operationally under its own power by the driver, and tactically by radio remote control.

The B-IV was designed to be driven as near to the target as possible, such as a bridge, a pillbox, a mine field, a fortification, or selected strong points in the enemy's defenses. The driver then dismounted, retaining the control transmitter. This radio transmitter was used to steer the demolition vehicle to its destination. The TNT demolition charge of 450–500 kilos was in a container which rested on the sloping front of the B-IV. Upon arriving at its destination, the demolition charge was dropped at or on the target either by remote control or by a trip mechanism which operated when the vehicle was reversed. The B-IV was not usually considered to be expendable. However, depending on the model, there was at least one spring-loaded switch on the belly that could be set to detonate the charge when the B-IV hit a mine. The idea was to blow a gap in the minefield by setting off the rest of the mines when the massive charge on the B-IV blew up.

After the B-IV dropped off its charge, the vehicle returned to its point of origin, provided that it had not been destroyed by enemy fire. The range of the radio that controlled the B-IV was about 2,000 meters under ideal conditions. Practical range was found to be about 800 to 1,000 meters.

The third company was equipped with the "leichte Ladungsträger Goliath", Ausf. A (Sd.Kfz. 302), a remote controlled demolition vehicle. It was driven electrically by two motors derived from electric starters, one on each side. The motors were

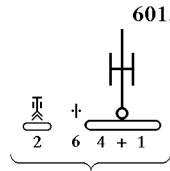
powered by two 12 volt batteries. The Goliath was controlled by a three-core cable (two for steering, one for detonation of the charge) of about 600 meters length. The cable unwound from a drum in the rear of the vehicle as it moved forward. This cable was connected to a control panel in the hands of the controller. There was no provision for reversing the vehicle. The charge of 60 kilos of TNT was fired electrically by a dry cell battery in the control panel. The vehicle had a very slow speed of 10 km/h. The batteries provided a range of about 1.5 kilometers. It was expendable and was destroyed when its demolition charge was set off. Production started in April 1942 and ended in March 1943. During this period 2,650 Goliaths were produced.

Strategically, the Goliaths were moved about six to a 3-ton truck. The small vehicles, in view of their short range, were moved tactically to their starting positions on two-wheeled trailers, which engaged two metal rods fitted into the vehicle sides.

The Goliaths were designed to run up against defense works, stationary targets, or into minefields and then detonated. However, because of their slow speed and vulnerability to small arms fire, they did not always reach their targets. On the other hand, the electric motors enabled them to be used silently, and their use at night was often preferred. Their silent approach to the enemy defenses enabled them to cause serious damage as well as troop casualties. The surprise explosion could cause panic, and lowered morale and the will to resist.

The 300. Panzer-Abteilung (F.L.) was the only unit of this type on 28.06.1942. It was assigned to the XXX Corps, 11th Army, Army Group South.

601. SCHWERER PANZERJÄGER-KOMPANIE (selbstfahrlafette)
601st Self-Propelled Heavy Anti-Tank Company



KStN 1146
1.11.1941

601st Self-Propelled Heavy Anti-Tank Company

Co Hqs: 2 mcl; 1 mcl w/sc; 1 car (15).
 Signal Det: 1 Med Radio Sect *b*: 1 car (15); 1 van (76).
 2 Pack Radio Sect *b*: 1 car (2).
 2 ATG Plt: Hqs Sect: 1 mcl; 3 mcl w/sc; 1 car (15); 1 AA car (4 w/ dual MG).
 Ammo Sect: 1 truck (3-ton).
 Gun Sect: 2 halftracks (8 with 88mm Flak 18)
 ATG Reserve: 1 halftrack (8 with 88mm Flak 18)
 1 ATG Plt: Hqs Sect: 1 mcl; 3 mcl w/sc; 1 car (15); 1 AA car (4 w/ dual MG).
 Ammo Sect: 1 truck (3-ton).
 Gun Sect: 2 SP'd ATG (50mm on Pz-II).
 Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 truck (medium).
 Co Trains: 1 mcl w/sc; 1 car (15); 1 truck (light); 4 trucks (medium); 4 trucks (3-ton); 1 halftrack (8).

Specifications of the 88mm Anti-Aircraft Guns and 50mm Anti-Tank Guns:

| | | |
|-------------------|--------------------------------------|---|
| Designation: | 8,8cm Flak 18 auf gp. Zgkw. 12 t. | 5cm Pak 38 auf Pz-II [aka Pz Sfl 1c] |
| Manufactured by: | Krupp | Alkett |
| Introduced in: | 1939 | 1942 |
| Caliber: | 88mm | 50mm |
| Barrel length: | L/56 | L/60 |
| Horizontal Range: | 14,860 meters | 1,500 meters |
| Ammo weight: | 9,5 / 15.3 kilos | 0.926 / 2.06 kilos |
| Vehicle weight: | 20,000 kilos | 10,500 kilos |
| Traverse: | 360° | 15° / 15° |
| Elevation: | 0° / + 85° | - 10° / + 20° |
| Speed: | 50 kmh | 50 kmh |

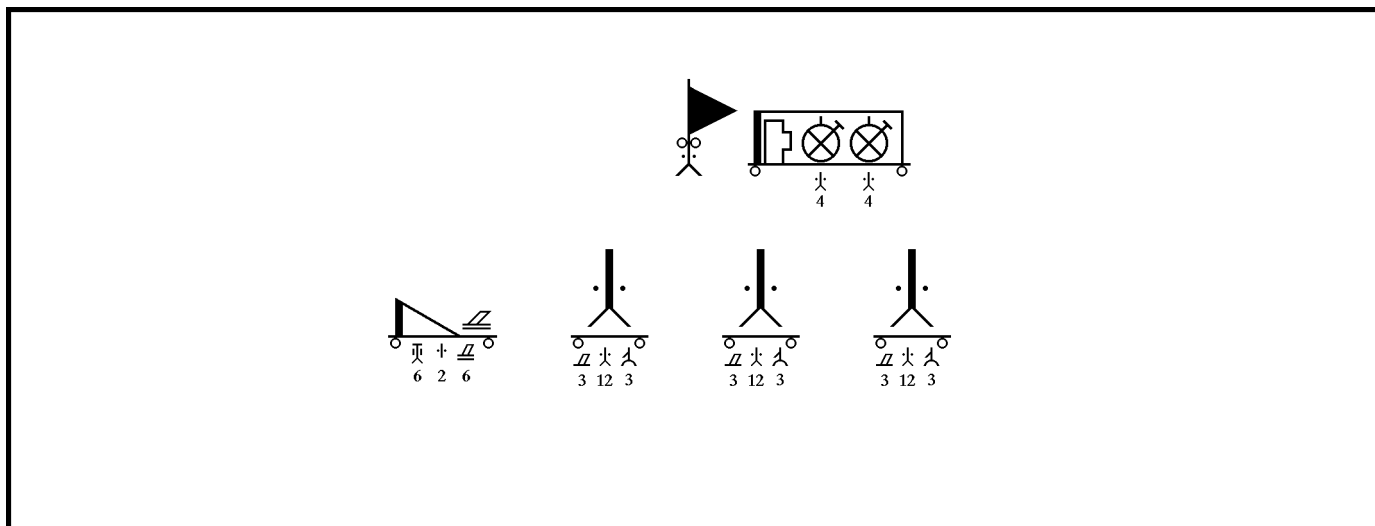
NOTES:

The self-propelled 88mm Flak was an experimental vehicle. It was originally designed as dual-purpose vehicle (anti-aircraft and anti-tank), but was used only in the latter role. Only a few of these vehicles were left. Two of the original six had been lost. The fifth vehicle, no longer needed for testing, had been sent from the proving grounds in Germany to the front as equipment reserve.

Further experimentation had produced a self-propelled 50mm anti-tank gun mounted on a Panzer-II. With the implementation of the self-propelled 75/76.2mm program in December 1942, plans for the production of this vehicle were dropped. The vehicles were not scrapped, and instead sent to the front.

The independent 601. s.Pz.Jg.Kp. (Sfl) was the former 1./8. Pz.Jg.Abt. It functioned as the 3rd company of the 559th Anti-Tank Battalion, and was duly re-designated as 3./559. Panzerjäger-Abteilung at a later date.

MASCHINENGEWEHR-BATAILLON (motorisiert)
Motorized Machine Gun Battalion



KStN 120
1.02.1941

Headquarters, Machine Gun Battalion (motorized)

Bn Hqs: 1 mcl; 3 mcl w/sc; 1 car (1); 2 cars (15); 1 car (21).

KStN 164
1.02.1941

Headquarters Company, Machine Gun Battalion (motorized)

Co Hqs: 6 mcl; 1 car (15).

2 HMG Plt: Hqs Sect: 2 mcl; 1 mcl w/sc; 2 cars (15); 1 car (18).

2 HMG Det: 2 mcl; 6 mcl w/sc; 2 HMG.

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

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

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

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

Bn Ammunition Det: 1 mcl; 4 trucks (light).

Bn Hqs Trains: 3 mcl; 2 mcl w/sc; 1 car (light); 2 trucks (light); 2 trucks (2-ton); 2 trucks (3-ton); 1 ambulance (31).

KStN 166
1.02.1941

Machine Gun Company, Machine Gun Battalion (motorized)

Co Hqs: Hqs Sect: 6 mcl; 1 car (11); 1 car (15).

ATR Sect: 1 mcl; 3 mcl w/sc; 3 ATR.

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

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

4 Pack Radio Sect d: 1 car (15).

3 HMG Plt: Hqs Sect: 2 mcl; 1 mcl w/sc; 2 cars (11).

2 HMG Det: 2 trucks (70); 2 HMG.

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

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

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

KStN 167
1.02.1941

Heavy Company, Machine Gun Battalion (motorized)

Co Hqs: 5 mcl; 1 mcl w/sc; 1 car (12).

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

Ammo Sect: 3 cars (12); 3 trailers (ammo).

Gun Sect: 4 cars (12); 3 ATG (37mm – towed); 1 LMG.

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

Ammo Sect: 2 cars (12); 2 trailers (ammo).

3 Mortar Sect: 1 mcl; 3 cars (12); 2 mortars (81mm).

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

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

NOTES:

The motorized MG battalions had originally been conceived as defensive formations. As the name implies, these battalions were lavishly equipped with heavy machine guns. They often had additional units attached, such as engineer or anti-tank companies, to provide support and assistance in the construction of road blocks, fortifications, minefields, etc.

Initially, the motorized MG battalions all had three MG companies and one anti-tank company each. In 1941, a mortar platoon was added to the anti-tank company, resulting in the organization depicted above.

The Germans raised nine motorized MG battalions in 1935 (1 – 9). An additional two were raised in 1937 (10 & 11), and another three in 1938 (13 – 15), and one (16) was raised in 1940.

In total, there were never more than fifteen motorized MG battalions. Of these, six (1, 3, 6, 7, 11, 15) were converted to motorcycle infantry battalions for the new mechanized divisions in late 1940.

Two further battalions (2 & 8) were sent to Libya in February 1941, (which was originally supposed to have been a defensive holding action until Rommel decided otherwise). These two units were converted to motorized infantry battalions, (III./115. and I./104. Schützen-Regiment, respectively).

In addition to the above organization, the 16th Machine Gun Battalion had a (non-motorized) combat engineer company.

On 28.06.1942, there were 7 MG Battalions (mot).

| | |
|-----|--|
| 4. | 20th Mountain Army |
| 5. | Army Group Center reserves |
| 9. | 1 Panzer Army, Army Group South |
| 10. | 16th Army, Army Group North |
| 13. | 20th Mountain Army |
| 14. | 20th Mountain Army |
| 16. | 319th Inf.Div., Army Group D (Channel Islands) |

PANZERJÄGER-ABTEILUNG (motorisiert/selbstfahrlafette)
Motorized/Self-Propelled Anti-Tank Battalion

| | | | | | | | | | |
|---------------------------------|-----------------------------------|--|--------------------------------|---|--------------------------------|----------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | | | | | | | | | |
| Auf Fahrgestell Pz-R38(f) | Auf Fahrgestell Sd.Kfz. 6/3 | Auf Fahrgestell Pz-II | Auf Fahrgestell Pz-38(t) | Auf Fahrgestell Pz-38(t) | Auf Fahrgestell Pz-38(t) | Auf Fahrgestell Pz-38(t) | Auf Fahrgestell Pz-38(t) | Auf Fahrgestell Pz-38(t) | Auf Fahrgestell Pz-38(t) |
| KStN 1148 | KStN 1148a (-) KStN 1149/1149a | KStN 1148a | KStN 1148a | KStN 1148 | KStN 1140 | KStN 1140 | KStN 1144 | KStN 1141 (-) KStN 1147 | KStN 1141 |
| 1.-3./561 | 4./605 | 2.-3./525 1.-2./559 1.-2./611 1.-2./670 | 1.-2./521 | 3./521 1.-3./529 1.-3./605 1.-3./616 3./670 | 3./560 3./611 3./654 | 1./463 1.-2./560 1.-2./654 | 1./525 | 3./463 3./563 | 2./463 1.-2./563 |

KStN 1106
1.11.1941

Headquarters, Motorized Anti-Tank Battalion

Bn Hqs: 2 mcl; 1 mcl w/sc; 1 car (12); 1 car (15); 1 car (21).
 Signal Det: 1 Lt Tele Sect c: 2 mcl; 1 car (15).
 4 Pack Radio Sect b: 1 car (2).
 2 Lt Radio Sect b: 1 van (17).
 Bn Maint Det: 1 mcl w/sc; 1 car (2/40); 1 car (medium); 1 truck (light); 2 trucks (3-ton).
 Bn Trains: 1 mcl w/sc; 2 cars (light); 3 trucks (light); 1 truck (medium); 1 truck (3-ton); 1 ambulance (31).

KStN 1106a
1.11.1941

Headquarters, Self-Propelled Anti-Tank Battalion

Bn Hqs: 2 mcl; 1 mcl w/sc; 1 car (12); 1 car (15); 1 tank.
 Signal Det: 1 Lt Tele Sect c: 2 mcl; 1 car (15).
 4 Pack Radio Sect b: 1 car (2).
 2 Lt Radio Sect b: 1 van (17).
 Bn Maint Det: 1 mcl w/sc; 1 car (2/40); 1 car (medium); 2 trucks (light); 1 truck (2-ton); 3 trucks (3-ton); 1 van (79); 1 halftrack (7);
 1 trailer (generator); 1 trailer (10-ton – light tank).
 Bn Trains: 1 mcl; 1 mcl w/sc; 2 cars (light); 2 trucks (light); 2 trucks (2-ton); 2 trucks (3-ton); 1 ambulance (31).

KStN 1141
1.11.1941

Motorized Anti-Tank Company

Co Hqs: 3 mcl; 1 mcl w/sc; 1 car (12).
 4 ATG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (12).
 Gun Sect: 5 trucks (69); 3 ATG (37mm – towed); 2 LMG.
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Co Trains: 1 car (light); 1 truck (light); 3 trucks (2-ton); 1 truck (medium).

KStN 1147
1.11.1941

Motorized Anti-Tank Platoon

Plt Hqs: 1 mcl; 1 mcl w/sc; 1 car (12).
 Gun Sect: 5 trucks (69); 3 ATG (28mm cone-bore – towed); 1 trailer (ammo); 2 LMG.

KStN 1144
1.11.1941

Motorized Anti-Tank Company

Co Hqs: 3 mcl; 1 mcl w/sc; 1 car (12).
 3 ATG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (12).
 Gun Sect: 5 halftracks (10); 3 ATG (47mm(ö) – towed); 2 trailers (ammo); 2 LMG.
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Co Trains: 1 car (light); 1 truck (light); 3 trucks (2-ton); 1 truck (medium); 1 trailer (ammo).

KStN 1140
1.06.1942

Motorized Heavy Anti-Tank Company

Co Hqs: 3 mcl; 1 mcl w/sc; 1 car (15).
 4 ATG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 halftrack (10).
 Ammo Sect: 2 halftracks (10); 2 trailers (ammo); 2 LMG.
 Gun Sect: 3 halftracks (10); 3 ATG (75mm Pak 40 or 75mm FK 97/38(f) – towed).
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Co Trains: 1 car (light); 1 truck (light); 3 trucks (2-ton); 1 truck (medium); 1 trailer (ammo).

KStN 1148
1.11.1941

Self-Propelled Anti-Tank Company

Co Hqs: 3 mcl; 1 mcl w/sc; 1 car (15); 1 Pz-I (101).
 Engr Sect: 1 trucks (3-ton); 1 Engineer Section w/ 1 LMG.
 3 ATG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 halftrack (10); 1 trailer (ammo); 1 LMG.
 Gun Sect: 3 SP'd ATG (47mm on Pz-I or Pz-38(t) chassis).
 Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 halftrack (10).
 Co Trains: 1 mcl; 1 mcl w/sc; 1 car (light); 2 trucks (light); 2 trucks (2-ton); 5 trucks (3-ton); 2 trailers (ammo).

KStN 1148a *)
15.02.1942

Self-Propelled Anti-Tank Company

Co Hqs: 3 mcl; 1 mcl w/sc; 1 car (15); 1 Pz-I (101).
 2 ATG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 halftrack (10).
 Ammo Sect: 2 armored ammo carriers (111); 2 trailers (ammo).
 Gun Sect: 3 SP'd ATG (75mm Pak 40 or 76.2mm Pak 38(r) on Pz-38(t) chassis); 3 LMG.
 Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 truck (3-ton); 1 halftrack (10); 1 halftrack (8); 1 trailer 10-ton – light tank).
 Co Trains: 1 mcl; 1 mcl w/sc; 1 car (light); 1 truck (light); 3 trucks (2-ton); 6 trucks (3-ton).

KStN 1148a *)
15.02.1942

Self-Propelled Anti-Tank Company

Co Hqs: 3 mcl; 1 mcl w/sc; 1 car (15); 1 halftrack (6).
 Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 truck (3-ton); 1 halftrack (10); 1 halftrack (8); 1 trailer 10-ton – light tank).
 Co Trains: 1 mcl; 1 mcl w/sc; 1 car (light); 1 truck (light); 3 trucks (2-ton); 6 trucks (3-ton).

KStN 1149a
15.02.1942

1 ATG Plt: Hqs Sect: 1 mcl; 1 car (1); 1 truck (medium).
 Gun Sect: 2 SP'd ATG (75mm Pak 40 on Pz-38(t)); 2 LMG.

KStN 1149
13.11.1941

3 ATG Plt: Hqs Sect: 1 mcl; 1 car (1); 1 truck (medium).
 Gun Sect: 3 SP'd ATG (6/3 with 76.2mm); 3 trailers (ammo); 2 LMG.

NOTES:

Only four battalions were authorized the self-propelled battalion headquarters KStN at this time, with a Pz-I (Sd.Kfz. 101), or a Pz-R38(f) for the French-equipped 561st Anti-Tank Battalion. However, strength reports do not show the tanks as being on hand. Probably the increased maintenance elements were the main reason for changing to the new KStN.

PANZERJÄGER-ABTEILUNG (motorisiert/selbstfahrlafette)
Motorized/Self-Propelled Anti-Tank Battalion

NOTES:

The unexpected appearance of new medium and heavy Allied tanks in 1941 had brought an immediate demand for anti-tank guns capable of stopping them. The 3,7cm Pak was useless. The new 50mm Pak 38 was capable of damaging these tanks to some degree at medium ranges, but was really only able to stop them cold at close range. By late 1941, the Germans managed to bring two 75mm ATG into operational use. One, the 7,5cm Pak 40, was an excellent weapon, capable of destroying all armor then in use at acceptable ranges, and was to continue as the main ATG until the end of the war. The other was even better. The 7,5cm Pak 41 had better range and penetrating power. It was a cone-bore gun, squeezing the round from 75mm to 55mm, resulting in a very high muzzle velocity, (1200 as opposed to 930 meters/second of the Pak 40). But only 150 were produced, as the limited supply of Wolfram needed to manufacture the shirred, tungsten-cored, armor-piercing shot prevented mass use. Had enough Wolfram been available, the Pak 41 undoubtedly would have become the main armament of all anti-tank units, (and possibly all tanks).

The Germans had captured large amounts of field guns, and these were quickly adapted for use as anti-tank guns. The main equipment so used was the former 76.2mm Russian field gun Model 1936, (German designation: 7,62cm FK 296(r).) The breech was rechambered to take the longer German shell, and the muzzle brake of the Pak 40 was added. It was designated as the 7,62cm Pak 36(r).

The first of these former Russian guns were experimentally mounted on 5-ton halftracks (Sd.Kfz. 6/3) with their shields. The guns were protected by on three sides by 10mm thick armor boxes. All nine of these vehicles were sent to North Africa in January and February 1942.

On 22.12.1941, the Germans started a crash program to match the large numbers of captured Russian guns with obsolete tank chassis. The first of the light tank chassis to be used was the Pz-38(t). Conversion of the vehicle began in February 1942. By the 31.05.42, 120 vehicles had been produced (designated Sd.Kfz. 139). Priority was given to equipping as many companies as possible with at least six of the new SP'd guns. First vehicles reached the troops in March 1942. The Pz-II (Ausf. D, E, and Flamm) chassis was also adapted as mobile platforms for the 76.2mm ATG. The Selbstfahrlafette 1 (Sd.Kfz. 131) started coming off the production lines in April 1942, the first vehicles reaching units in June 1942.

The French 75mm Field Gun, Model 97 was to use up captured Polish and French ammunition, was not rechambered. It designated as the 7,5cm Pak 97/38, (also known

as FK 97/37). It was usually mounted on 5cm Pak (and occasionally on the 7,5cm Pak) carriages, fitted with a muzzle break and German optics, and pressed into service.

The weapon intended to be matched with the all-German solution for the self-propelled ATG, the 75mm Pak 40, was also mounted on the Pz-II chassis, and designated as Selbstfahrlafette 2 (Sd.Kfz. 132). Initial vehicles of this version were delivered late June, and were first used in July 1942.

As more equipment became available, the remaining motorized companies were converted to heavy the 75mm Pak 40 or 41, and the self-propelled units were issued 75mm or 76.2mm SP'd guns mounted on the Pz-II or Pz-38(t) chassis.

Production was never sufficient to meet the needs at any time during the war. By mid-1942, the composition of the GHQ units varied considerably, and companies were initially only issued six self-propelled vehicles (Pz-II and Pz-38(t)) mounting 75mm Pak 40 or 41 where available. T

Only two 12.8 cm Pak 40 L/61 were produced. They had a high muzzle velocity and could destroy enemy tanks at extreme ranges, for example, knocking out T-34's at 4,500 meters. The vehicle was slow, (25km/h), and had a low rate of fire owing to the ammunition being in two parts.

There were 13 Mechanized Anti-Tank Battalions in the German Army on 28.06.1942, assigned and organized as follows:

| | |
|-----|---|
| 463 | 20 Mountain Army |
| 521 | XVII Corps, 6th Army, Army Group South |
| 525 | 1st Pz Army Reserves, Army Group South |
| 529 | XXXXVII Pz Corps, 2. Pz Army, Army Group Center |
| 559 | 2nd Army Reserves, Army Group South |
| 560 | Army Group South Reserves |
| 561 | 9th Army Reserves, Army Group Center |
| 563 | 18th Army Reserves, Army Group North |
| 605 | German Africa Corps (D.A.K.), Pz Army Afrika |
| 611 | 2nd Army Reserves, Army Group South |
| 616 | 3 Pz Army Reserves, Army Group Center |
| 654 | 2nd Army Reserves, Army Group South |
| 670 | XXXX Mot Corps, 6th Army, Army Group South |

Authorized Organization and Equipment:

| # | Hqs | 1st Company | 2nd Company | 3 Company | 4 Company |
|------|------|-------------------------------|-------------------------------|--------------------------------|--|
| 463 | mot | [mot] 6x 75FK 97/38(f) | [mot] 12x 37 | [mot] 9x 37; 3x 28 | – |
| 521 | mot | [SP'd/Pz-38(t)] 6x 76.2 | [SP'd/Pz-38(t)] 6x 76.2 | [SP'd/Pz-I] 9x 47 | [SP'd/Armd] 1x 105 Gun; 2x 128 Gun |
| 525 | SP'd | [mot] 9x 47 (ö) | [SP'd/Pz-II] 6x 76.2 | [SP'd/Pz-II] 6x 76.2 | – |
| 529* | mot | [SP'd/Pz-I] 9x 47 | [SP'd/Pz-I] 9x 47 | [SP'd/Pz-I] 9x 47 | – |
| 559 | SP'd | [SP'd/Pz-II] 6x 76.2 | [SP'd/Pz-II] 6x 76.2 | 601. s. Pz.Jg. Kp. | – |
| 560 | mot | [mot] 6x 75 | [mot] 6x 75 | [mot] 12x 75FK 97/38(f) | – |
| 561 | SP'd | [SP'd/Pz-R38(f)] 6x 47; 3x 37 | [SP'd/Pz-R38(f)] 6x 47; 3x 37 | [SP'd/Pz-R38 (f)] 6x 47; 3x 37 | – |
| 563 | mot | [mot] 12x 37 | [mot] 12x 37 | [mot] 9x 37; 3x 28 | – |
| 605 | mot | [SP'd/Pz-I] 9x 47 | [SP'd/Pz-I] 9x 47 | [SP'd/Pz-I] 9x 47 | [SP'd/Sd.Kfz. 6/3] 9x 76.2 [SP'd/Pz-38(t)] 2x 75/Pak 40 |
| 611 | mot | [SP'd/Pz-II] 6x 76.2 | [SP'd/Pz-II] 6x 76.2 | [mot] 9x 75FK 97/38(f) | – |
| 616 | mot | [SP'd/Pz-I] 9x 47 | [SP'd/Pz-I] 9x 47 | [SP'd/Pz-I] 9x 47 | – |
| 654 | mot | [mot] 12x 75 | [mot] 12x 75 | [mot] 12x 75FK 97/38(f) | – |
| 670 | SP'd | [SP'd/Pz-II] 6x 76.2 | [SP'd/Pz-II] 6x 76.2 | [SP'd/Pz-I] 9x 47 | – |

*) 529th Anti-Tank Battalion in the process of being deactivated; dissolved on 1.07.1942.

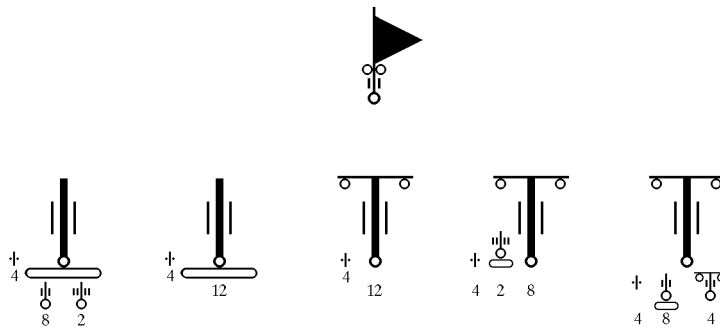
Specifications of the towed Anti-Tank Guns

| Designation: | sPzBü 41 | 3,7cm Pak | 4,7cm Pak(ö) | 7,5cm Pak 40 | 7,5cm Pak 41 | 7,5cm FK 97/38(f) |
|--------------------|---------------------|---------------------|---------------|-----------------|------------------|-------------------|
| Introduced in: | 1941 | 1937 | 1940 | 1942 | 1942 | 1942 |
| Caliber: | 28mm → 20mm | 37mm | 47mm | 75mm | 75mm → 55mm | 75mm |
| Barrel length: | L/60 → L/85 | L/45 | L/35.7 | L/46 | L/42.2 → L/57.6 | L/36 |
| Effective Range: | 500 meters | 500 meters | 1,000 meters | 1,800 meters | 2,400 meters | 2,000 meters |
| Ammo weight: | 0.091 / 0.121 kilos | 0.368 / 0.685 kilos | 1.45 kilos | 4.1 / 6.8 kilos | 2.5 / 2.65 kilos | 4.8 / 6.8 kilos |
| Unlimbered weight: | 147 kilos | 328 kilos | 277 kilos | 1,425 kilos | 1,390 kilos | 1,190 kilos |
| Limbered weight: | 263 kilos | 440 kilos | 383 kilos | 1,500 kilos | 1,880 kilos | 1,270 kilos |
| Traverse: | 90° / 90° | 60° / 60° | 60° / 60° | 60° / 60° | 60° / 60° | 60° / 60° |
| Elevation: | – 15° to + 25° | – 8° to + 25° | – 8° to + 25° | – 6° to + 22° | – 10° to + 18° | – 8° to + 25° |
| Rate of Fire: | 10 rpm | 15 rpm | 15 rpm | 12 – 15 rpm | 12 – 14 rpm | 12 – 14 rpm |

Specifications of the self-propelled Anti-Tank Guns

| Designation: | 3,7cm Pak auf Pz-R35(f) | 4,7cm Pak(t) auf Pz-R35(f) | 4,7cm Pak(t) auf Pz-I | 7,62cm Pak 36(r) auf Pz-II | 7,62cm Pak 36(r) auf Pz-38(t) | 7,62cm FK 36(r) auf Sd.Kfz. 6/3 |
|------------------|-------------------------|----------------------------|-----------------------|----------------------------|-------------------------------|---------------------------------|
| Introduced in: | 1941 | 1941 | 1940 | 1942 | 1942 | 1941 |
| Caliber: | 47mm | 47mm | 47mm | 76.2mm | 76.2mm | 76.2 mm |
| Barrel length: | L/45 | L/43.4 | L/43.4 | L/51.5 | L/51.5 | L/51.5 |
| Effective Range: | 500 meters | 1,000 meters | 1,000 meters | 2,000 meters | 2,000 meters | 2,000 meters |
| Ammo weight: | 0.368 / 0.685 kilos | 0.825 / 1.65 kilos | 0.825 / 1.65 kilos | 4.14 / 7.6 kilos | 4.14 / 7.6 kilos | 4.14 / 7.6 kilos |
| Vehicle weight: | 10,900 kilos | 10,900 kilos | 6,400 kilos | 11,500 kilos | 10,670 kilos | 10,500 |
| Traverse: | 60° / 60° | 17.5° / 17.5° | 17.5° / 17.5° | 25° / 25° | 21° / 21° | 30° / 30° |
| Elevation: | – 8° to + 25° | – 8° to + 25° | – 8° to + 25° | – 5° to + 16° | – 5° to + 13° | – 5° / + 13° |
| Rate of Fire: | 15 rpm | 15 rpm | 15 rpm | 10 rpm | 10 rpm | 10 – 12 rpm |
| Road Speed: | 19 kmh | 19 kmh | 40 kmh | 55 kmh | 42 kmh | 50 kmh |

LEICHTE FLIEGERABWEHR-BATAILLON (motorisiert/selbstfahrlafette)
Motorized/Self-Propelled Light Anti-Aircraft Battalion



Examples of the various compositions possible within the Mechanized Light Anti-Aircraft Company organization.

KStN 123
1.02.1941

Headquarters, Mechanized Light Anti-Aircraft Battalion

Bn Hqs: 7 mcl; 1 car (2); 1 car (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 (2/40); 2 cars (light); 1 truck (light); 3 trucks (3-ton).
 Bn Trains: 3 mcl; 1 car (light); 2 trucks (light); 2 trucks (2-ton); 1 truck (3-ton); 1 ambulance (31).

KStN 192
1.02.1941

Mechanized Light Infantry Anti-Aircraft Company

Co Hqs: 4 mcl; 1 car (1); 1 car (15); 1 LMG.
 Signal Det: Hqs Sect: 1 car (15).
 1 Lt Tele Sect *c*: 1 car (15).
 4 Pack Radio Sect *b*: 1 car (2).
 Mot Mono Plt: Hqs Sect: 3 mcl; 2 cars (15); 1 LMG.
 Ammo Sect: 2 trucks (81).
 Gun Sect: 4 trucks (81); 4 AA Guns (20mm Flak 30 – towed).
 SP'd Mono Plt: Hqs Sect: 4 mcl; 1 car (15); 1 LMG.
 Ammo Sect: 2 halftracks (10/4 without guns).
 Gun Sect: 4 halftracks (10/4 with 20mm Flak); 4 trailers (reserve – for 20mm Flak, but without guns).
 Armd Mono Plt: Hqs Sect: 4 mcl; 1 car (15); 1 LMG.
 Ammo Sect: 4 Pz-I chassis for ammunition.
 Gun Sect: 4 Pz-I chassis with 20mm Flak; 4 trailers (reserve – for 20mm Flak, but without guns).
 Mot Quad Plt: Hqs Sect: 3 mcl; 2 cars (15); 1 LMG.
 Ammo Sect: 2 trucks (4½-ton).
 Gun Sect: 2 trucks (4½-ton); 2 AA guns (quad 20mm Flak 38 – towed).
 SP'd Quad Plt: Hqs Sect: 3 mcl; 2 cars (15); 1 LMG.
 Ammo Sect: 2 halftracks (7/1 without guns).
 Gun Sect: 2 halftracks (7/1 with quad 20mm Flak 38); 2 trailers (reserve – for 20mm quad Flak 38, but without guns).
 Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 truck (3-ton).
 Co Trains: 1 mcl; 1 mcl w/sc; 1 car (15); 2 truck (light); 2 truck (2-ton); 2 truck (3-ton).

NOTES:

The light anti-aircraft units (with KStN numbering in the 100's), were raised by the Infantry Inspectorate. They were encountered as independent companies or as battalions. The battalions had either 3 or 4 companies.

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.

At the beginning of the war, all companies were motorized, (i.e., the guns were towed). As halftracks became available, the motorized companies were converted to self-propelled guns, (i.e., the guns were mounted on halftracks). It is interesting to note that some units made field modifications, one of the more important was mounting the towed 20mm Flak guns on their prime movers. Thus, the 20mm mono Flak was put on a slightly strengthened Sd.Kfz. 81, (s. E-PKW, Krupp L2H-

43 or L2H-143). Naturally, these units were not as mobile in rough terrain as those equipped with halftracks.

Another interesting variant was the use of obsolete Pz-I (Sd.Kfz. 101) chassis as self-propelled mounts for the 20mm anti-tank guns.

Owing to a lack of appropriate vehicles and guns, the organization of the companies varied considerably. They were either completely self-propelled, or partially self-propelled and partially motorized. In addition, some companies had 2 mono 20mm gun platoons and 1 quad 20mm gun platoon, which was the intended final organization for all companies.

The self-propelled platoons also had trailers for transporting their 20mm AA guns, even though they were normally mounted on self-propelled carriages. The trailers were not found with the combat platoons – except for inspection purposes – but were transported by the company trains. In case a self-propelled mount broke down or was disabled, the gun could still be towed by a normal truck or halftrack.

LEICHTE FLIEGERABWEHR-BATAILLON (motorisiert/selbstfahrlafette)
Motorized/Self-Propelled Light Anti-Aircraft Battalion

Mechanized Light Anti-Aircraft Battalions

The 608. le. Fla. Bataillon headquarters was never raised. The 603rd Battalion was dissolved on 15.03.1942. The remaining 17 Light Anti-Aircraft Battalions were organized and assigned on 28.06.1942 as follows:

| Unit | 1st Company | 2nd Company | 3 Company | 4 Company | Assigned to |
|--------|------------------------|------------------------|------------------------|------------------------|--------------------------------|
| 601. | 8 Mono/SP & 2 Quad/SP | 8 Mono/SP & 2 Quad/SP | 8 Mono/SP & 2 Quad/SP | – | 3 Pz Army, Army Group Center |
| 602. | 12 Mono/SP | 12 Mono/SP | 12 Mono/SP | 12 Mono/SP | 4 Pz Army, Army Group South |
| 604. | 8 Mono/SP & 2 Quad/SP | 8 Mono/SP & 2 Quad/SP | 8 Mono/SP & 2 Quad/SP | 8 Mono/SP & 4 Mono/mot | 18th Army, Army Group North |
| 605. | 8 Mono/SP & 2 Quad/SP | 8 Mono/SP & 2 Quad/SP | 8 Mono/SP & 2 Quad/SP | – | LVII Corps, Army Group Center |
| 606. | 8 Mono/SP & 2 Quad/SP | 8 Mono/SP & 2 Quad/SP | 12 Mono/SP | – | German Africa Corps (D.A.K.) |
| 607. | 12 Mono/SP | 12 Mono/SP | 12 Mono/SP | 8 Mono/SP & 4 Mono/mot | 9th Army, Army Group Center |
| 609. | 12 Mono/SP | 12 Mono/SP | 12 Mono/SP | – | Fortress Div. Crete, 12th Army |
| 610. | 12 Mono/mot | 12 Mono/mot | 12 Mono/mot | – | 11th Army, Army Group South |
| 611. | 8 Mono/mot & 2 Quad/SP | 8 Mono/mot & 2 Quad/SP | 8 Mono/mot & 2 Quad/SP | – | LVII Corps, Army Group Center |
| 612. | 12 Mono/mot | 12 Mono/SP | 12 Mono/SP | 12 Mono/SP | German Africa Corps (D.A.K.) |
| 613. | 12 Mono/SP | 12 Mono/mot | 12 Mono/mot | 12 Mono/mot | Army Group North Reserves |
| 614. * | 8 Mono/SP & 2 Quad/SP | 8 Mono/SP & 2 Quad/SP | 8 Mono/SP & 2 Quad/SP | – | 17th Army, Army Group South |
| 615. | 12 Mono/mot | 12 Mono/mot | 12 Mono/mot | – | Army Group D Reserves |
| 616. | 12 Mono/SP | 12 Mono/SP | 12 Mono/SP | – | 1st Pz Army, Army Group South |
| 617. | 8 Mono/SP & 2 Quad/SP | 8 Mono/SP & 2 Quad/SP | 8 Mono/SP & 2 Quad/SP | – | German Africa Corps (D.A.K.) |
| 618. | 8 Mono/SP & 2 Quad/SP | 8 Mono/SP & 2 Quad/SP | 8 Mono/SP & 2 Quad/SP | 12 Mono/SP | 16th Army, Army Group North |
| 619. | 8 Mono/SP & 2 Quad/SP | 8 Mono/SP & 2 Quad/SP | 8 Mono/SP & 2 Quad/SP | – | Army Group South Reserves. |

*) the mono 20mm guns – including their gun shields – were mounted on turretless Pz-I chassis for all three companies. The quad 20mm were on the usual Sd.Kfz. 7/1.

Independent Mechanized Light Aircraft Companies

The independent Light Anti-Aircraft Companies were in the process of being dissolved and in turn becoming integrated in various units. To give an overview of the fate of these companies, all light anti-aircraft companies raised from 1939 up to and including mid-1942 have been listed below.

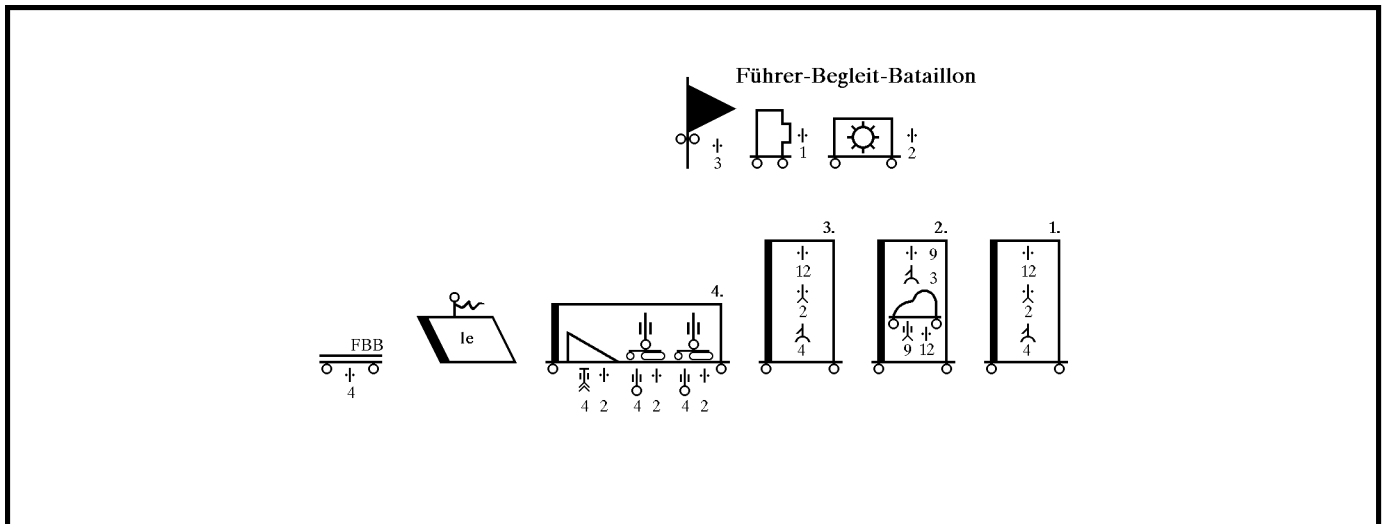
| Unit | Raised | Fate | Becomes |
|--------|----------|----------|---|
| 1./31. | 13.10.36 | 9.05.42 | 10./93. Inf.Rgt. (mot) / 13. Pz.Div. |
| 2./31. | 13.10.35 | 14.12.40 | 2./22. Fla.Btl. / 22. LL-Div. |
| 3./31. | 13.10.35 | 23.05.42 | 10./10. Inf.Rgt. (mot) / 9. Pz.Div. |
| 4./31. | 13.10.36 | 23.05.42 | 10./129. Inf.Rgt. (mot) / 22. Pz.Div. |
| 5./31. | 13.10.36 | 23.05.42 | 10./21. Inf.Rgt. (mot) / 24. Pz.Div. |
| 6./31. | 13.10.36 | 29.07.40 | 14./156. Inf.Rgt. (mot) / 16. Inf.Div. (mot) |
| 1./46. | 10.11.38 | 18.05.42 | 10./110. Inf.Rgt. (mot) / 11. Pz.Div. |
| 2./46. | 10.11.38 | 23.05.42 | 10./140. Inf.Rgt. (mot) / 22. Pz.Div. |
| 3./46. | 10.11.38 | 25.07.42 | 3./41. Pz.Jg.Abt. / 6. Pz.Div. |
| 4./46. | 10.11.38 | 23.05.42 | 14./60. Inf.Rgt. (mot) / 16. Inf.Div. (mot) |
| 5./46. | 10.11.38 | 23.05.42 | 10./126. Inf.Rgt. (mot) / 23. Pz.Div. |
| 6./46. | 10.11.38 | 9.05.42 | 14./15. Inf.Rgt. (mot) / 29. Inf.Div. (mot) |
| 1./47. | 10.11.38 | 17.06.44 | 3./44. Geb.Pz.Jg.Abt. / 1. Geb.Div. |
| 2./47. | 10.11.38 | 1.04.40 | 4./38. Pz.Jg.Abt. / 2. Pz.Div. |
| 3./47. | 10.11.38 | 25.07.42 | 3./50. Pz.Jg.Abt. / 9. Pz.Div. |
| 4./47. | 10.11.38 | 23.05.42 | 10./3. Inf.Rgt. (mot) / 3. Pz.Div. |
| 5./47. | 10.11.38 | 23.06.42 | 10./79. Inf.Rgt. (mot) / 16. Pz.Div. |
| 6./47. | 10.11.38 | 9.05.42 | 14./29. Inf.Rgt. (mot) / 3. Inf.Div. (mot) |
| 1./48. | 10.11.38 | 23.05.42 | 14./92. Inf.Rgt. (mot) / 60. Inf.Div. (mot) |
| 2./48. | 10.11.38 | 23.05.42 | 10./394. Inf.Rgt. (mot) / 3. Pz.Div. |
| 3./48. | 10.11.38 | 23.05.42 | 10./198. Inf.Rgt. (mot) / 14. Pz.Div. |
| 4./48. | 10.11.38 | 25.07.42 | 3./43. Pz.Jg.Abt. / 8. Pz.Div. |
| 5./48. | 10.11.38 | 9.05.42 | 14./8. Inf.Rgt. (mot) / 3. Inf.Div. (mot) |
| 6./48. | 10.11.38 | 15.03.42 | Distributed to 283. and 289. Heeres-Flak-Abt. |
| 1./52. | 10.11.38 | 25.07.42 | 4./20. Pz.Jg.Abt. / 20. Inf.Div. (mot) |
| 2./53. | 10.11.38 | 14.12.40 | 1./22. Fla.Btl. / 22. LL-Div. |
| 3./52. | 10.11.38 | 4.06.41 | 1./613. Heeres-Flak-Abt. |
| 4./52. | 10.11.38 | 25.07.42 | 3./2. Pz.Jg.Abt. / 12. Pz.Div. |

| Unit | Raised | Fate | Becomes |
|---------|----------|----------|--|
| 5./52. | 10.11.38 | 23.05.42 | 10./128. Inf.Rgt. (mot) / 23. Pz.Div. |
| 6./52. | 10.11.38 | 23.05.42 | 10./66. Inf.Rgt. (mot) / 13. Pz.Div. |
| 1./55. | 10.11.38 | 1.06.42 | 4./604. Heeres-Flak-Abt. |
| 2./55. | 10.11.38 | 4.08.42 | 3./53. Pz.Jg.Abt. / 5. Pz.Div. |
| 3./55. | 10.11.38 | 25.07.42 | 3./90. Pz.Jg.Abt. / 10. Pz.Div. |
| 4./55. | 10.11.38 | 1.06.42 | 4./37. Pz.Jg.Abt. / 1. Pz.Div. |
| 5./55. | 10.11.38 | 15.07.42 | 4./607. Heeres-Flak-Abt. |
| 6./55. | 10.11.38 | 23.05.42 | 10./26. Inf.Rgt. (mot) / 24. Pz.Div. |
| 1./59. | 10.11.38 | 1.06.42 | 14./71. Inf.Rgt. (mot) / 29. Inf.Div. (mot) |
| 2./59. | 10.11.38 | 9.05.42 | 10./111. Inf.Rgt. (mot) / 11. Pz.Div. |
| 3./59. | 10.11.38 | 23.02.41 | 3./42. Pz.Jg.Abt. / 7. Pz.Div. |
| 4./59. | 10.11.38 | 1.06.42 | 4./618. Heeres-Flak-Abt. |
| 5./59. | 10.11.38 | 23.05.42 | 10./64. Inf.Rgt. (mot) / 16. Pz.Div. |
| 6./59. | 10.11.38 | 25.07.42 | 3./543. Pz.Jg.Abt. / 3. Pz.Div. |
| 1./66. | 10.11.38 | 8.03.41 | 4./27. Pz.Jg.Abt. / 17. Pz.Div. |
| 2./66. | 10.11.38 | 23.05.42 | 10./113. Inf.Rgt. (mot) / 14. Pz.Div. |
| 3./66. | 10.11.38 | 23.05.42 | 10./11. Inf.Rgt. (mot) / 9. Pz.Div. |
| 4./66. | 10.11.38 | 25.07.42 | 3./13. Pz.Jg.Abt. / 13. Pz.Div. |
| 5./66. | 10.11.38 | 5.05.43 | 4./290. Heeres-Flak-Abt. |
| 6./66. | 10.11.38 | 25.07.42 | 3./16. Pz.Jg.Abt. / 16. Pz.Div. |
| 501. | 15.03.42 | 16.03.43 | 1./501. Fla.Btl. (Upgraded to 501. Fla.Btl.) |
| 1./608. | 22.06.40 | 28.07.42 | 3./61. Pz.Jg.Abt. / 11. Pz.Div. |
| 2./608. | 22.06.40 | 4.08.42 | 3./4. Pz.Jg.Abt. / 14. Pz.Div. |
| 3./608. | 22.06.40 | 25.06.41 | 14./120. Inf.Rgt. (mot) / 60. Inf.Div. (mot) |
| 631. | 12.07.40 | 25.07.42 | 4./88. Pz.Jg.Abt. / 18. Pz.Div. |
| 632. | 1.01.42 | 25.07.42 | 3./140. Pz.Jg.Abt. / 22. Pz.Div. |
| 633. | 1.02.42 | 25.07.42 | 3./128. Pz.Jg.Abt. / 23. Pz.Div. |
| 634. | 1.02.42 | 25.07.42 | 4./40. Pz.Jg.Abt. / 24. Pz.Div. |

Specifications of the Anti-Aircraft Guns

| Designation: | 2cm Flak 30 | 2cm Flak 38 auf Sd.Kfz. 10/4 | 2cm Flak Vierling auf Sd.Kfz. 7/1 | 2cm Flak 38 auf Pz-I |
|-------------------------|---------------|------------------------------|-----------------------------------|----------------------|
| Caliber: | 20mm | 20mm | 20mm | 20mm |
| Barrel length: | L/65 | L/65 | L/65 | L/65 |
| Horizontal range: | 4,800 meters | 4,800 meters | 4,800 meters | 4,800 meters |
| Vertical Range: | 3,700 meters | 3,700 meters | 3,700 meters | 3,700 meters |
| Ammo weight: | 0.33 kilos | 0.33 kilos | 0.33 kilos | 0.33 kilos |
| Unlimbered weight: | 450 kilos | 5,365 kilos | 11,540 kilos | 3,500 kilos |
| Limbered weight: | 890 kilos | – | – | – |
| Traverse: | 360° | 360° | 360° | 360° |
| Elevation: | – 10° / + 90° | – 20° / + 90° | – 10° / + 100° | – 20° / + 90° |
| Practical Rate of Fire: | 120 rpm | 220 rpm | 4x 200 rpm | 220 rpm |
| Road speed: | – | 50 kmh | 50 kmh | 40 kmh |

FÜHRER-BEGLEIT-BATAILLON
Führer Escort Battalion



KStN 114 *)
1.02.1942

Headquarters, Führer-Begleit-Bataillon

Bn Hqs: 2 mcl w/sc; 3 cars (medium); 1 car (1); 6 cars (15).
Signal Det: Hqs Sect: 1 mcl; 1 car (2/2); 1 LMG.
1 Med Radio Sect c: 1 car (15); 1 van (17).
2 Lt Radio Sect a: 1 van (17).
Bn Hqs Maint Sect: 1 mcl w/sc; 1 car (2/40).
Bn Maint Plt: 2 mcl w/sc; 1 car (light); 1 car (2/40); 6 trucks (medium); 1 truck (heavy); 1 van (79); 1 bus (medium/28 seats);
1 trailer (tool); 2 LMG.
Bn Trains: 2 mcl w/sc; 1 car (15); 2 ambulances (31); 24 trucks (medium); 2 LMG.
Band: 2 buses (medium/33 seats).
Staff of the Commandant of the Führer Headquarters:
1 mcl; 1 mcl w/sc; 5 cars (medium); 2 cars (heavy); 5 cars (15); 2 trucks (medium); 1 bus (medium/33 seats); 1 LMG.
Staff of the Adjutant of the Führer Headquarters:
1 mcl; 1 mcl w/sc; 4 cars (heavy).

KStN 173a *)
1.02.1942

1st Company (motorized) / Führer-Begleit-Bataillon

Co Hqs: 3 mcl; 1 mcl w/sc; 2 cars (15).
4 Inf Plt: Hqs Sect: 1 mcl; 1 car (15); 1 ATR.
3 Sect: 1 truck (70); 1 Infantry Squad w/ 1 LMG.
1 HMG Sect: 1 truck (70); 2 HMG.
1 Orderly Plt: 1 mcl; 2 trucks (medium).
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Co Trains: 1 mcl; 2 mcl w/sc; 1 car (15); 12 trucks (medium).

KStN 173b *)
1.02.1942

2nd Company (motorized) / Führer-Begleit-Bataillon

Co Hqs: 3 mcl; 1 mcl w/sc; 2 cars (15).
3 Inf Plt: Hqs Sect: 1 mcl; 1 VW (1); 1 ATR.
3 Sect: 4 VW (1); 1 Infantry Squad w/ 1 LMG.
1 AC Plt: Hqs: 1 VW (1); 1 truck (2-ton).
3 Sect: 3 AC (221); 1 AC (223).
Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 truck (medium).
Co Trains: 1 mcl; 2 mcl w/sc; 1 car (15); 12 trucks (medium).

KStN 173c *)
1.02.1942

3rd Company (motorized) / Führer-Begleit-Bataillon

Co Hqs: 3 mcl; 1 mcl w/sc; 2 cars (15).
4 Inf Plt: Hqs Sect: 1 mcl; 1 car (15); 1 ATR.
3 Sect: 1 truck (70); 1 Infantry Squad w/ 1 LMG.
1 HMG Sect: 1 truck (70); 2 HMG.
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Co Trains: 1 mcl; 2 mcl w/sc; 1 car (15); 12 trucks (medium).

KStN 193
1.02.1942

4th Company (motorized) / Führer-Begleit-Bataillon

Co Hqs: 3 mcl; 1 mcl w/sc; 2 cars (15).
2 AA Plt: Hqs Sect: 3 mcl w/sc; 2 cars (15).
Ammo Sect: 2 halftracks (10/4 without guns); 2 trailers (ammo); 2 LMG.
Gun Sect: 4 halftracks (10/4 w/ 20mm Flak 38); 4 trailers (ammo).
1 ATG Plt: Hqs Sect: 3 mcl w/sc; 2 cars (15); 1 LMG.
Ammo Sect: 2 halftracks (10); 2 trailers (ammo); 1 LMG.
Gun Sect: 4 halftracks (10); 4 ATG (50mm – towed).
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Co Trains: 1 mcl; 2 mcl w/sc; 1 car (15); 12 trucks (medium).

KStN 1172
1.02.1942

Tank Company / Führer-Begleit-Bataillon

Co Hqs: 3 mcl; 1 car (15); 5 Pz-II (121); 2 Pz-III (141).
3rd Plt: 5 Pz-III (141).
Maint Sect: 3 mcl w/sc; 1 car (2/40); 3 trucks (3-ton); 2 halftracks (10); 2 halftracks (9);
1 trailer (22-ton/medium tank).
Co Trains: 2 mcl w/sc; 1 car (1); 2 trucks (medium); 11 trucks (3-ton).

KStN 1220 *)
1.04.1942

Transport Column / Führer-Begleit-Bataillon

Col Hqs: 1 mcl; 1 car (light); 1 car (15); 1 LMG
3 Transport Sect: 4 trucks (medium); 1 LMG.
Col Trains: 1 mcl; 3 trucks (light).

NOTES:

The Führer-Escort Battalion was the sister unit of the *Großdeutschland* Infantry Division (mot), receiving personnel replacements from the same depot. It was charged with guarding the Führer Headquarters, and, as its name indicated, escorting him when he was away from his headquarters.

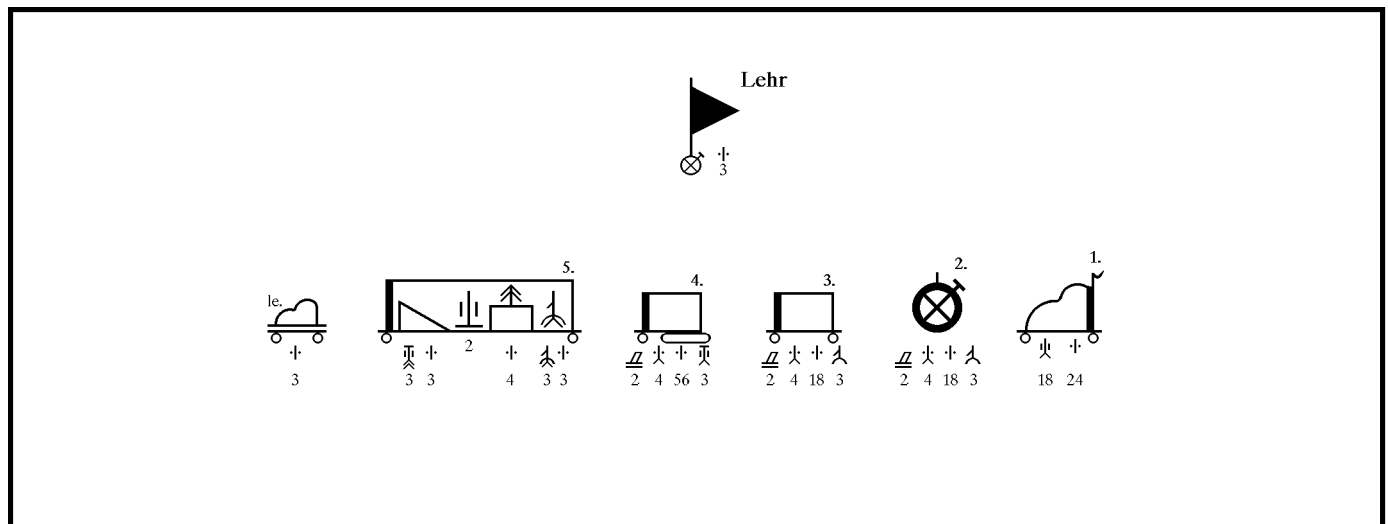
Although this name would indicate that it was only a guard and escort unit, the *FBB* was manned by elite troops, especially selected for the battalion.

Throughout the war, portions of the battalion's fighting elements were on occasion dispatched to the East Front and used in combat, usually in particularly critical situations. It was eventually increased to regiment, then brigade, and lastly to division size.

The various Führer Headquarters administrative units, such as the Staffs, the Band, and the Orderly units did not accompany the battalion in combat. The combat companies sent to the front changed from time to time.

On 28.06.1942, the *FBB* was in East Prussia at the *Führerhauptquartier* (code named *Wolfsschanze*).

KRADSCHÜTZEN-LEHR-BATALLION
Motorcycle Demonstration Battalion



- KStN 1109**
1.11.1941
Headquarters, Motorized Reconnaissance Battalion
Bn Hqs: 8 mcl; 2 mcl w/sc; 2 cars (15); 1 AC (247).
Signal Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15).
2 Pack Radio Sect *b*: 1 car (2).
1 Lt Armd Radio Sect *b*: 1 AC (260).
4 Lt Armd Radio Sect *c*: 1 AC (261).
3 Med Armd Radio Sect *b*: 1 car (15); 1 AC (263).
Bn Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 car (light); 2 trucks (3-ton).
Bn Trains: 1 mcl; 2 cars (light); 1 car (15); 2 trucks (light); 2 trucks (medium); 1 bus (medium/33 seats).
- KStN 1162**
1.11.1941
Armored Car Company
Co Hqs: 2 mcl; 5 mcl w/sc; 1 car (15).
1 Hvy AC Plt: 3 AC (231); 3 AC (232).
3 Lt AC Plt: 4 AC (222); 2 AC (223).
Maint Sect: 1 mcl w/sc; 1 car (2/40); 2 trucks (2-ton).
Co Trains: 1 car (15); 3 trucks (2-ton); 1 truck (medium); 1 truck (3-ton).
- KStN 1112**
1.11.1941
Motorcycle Reconnaissance Company
Co Hqs: 4 mcl; 2 mcl w/sc; 1 car (15).
3 Recon Plt: Hqs Sect: 1 mcl; 2 cars (15); 1 ATR.
3 Sqd: 4 mcl w/sc; 1 Reconnaissance Squad w/ 2 LMG.
1 Hvy Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 2 cars (15).
2 HMG Sect: 8 mcl w/sc; 2 HMG.
1 Mortar Sect: 3 trucks (70); 2 mortars (81mm).
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Co Trains: 2 mcl; 1 mcl w/sc; 1 car (15); 1 truck (light); 5 trucks (2-ton); 1 truck (3-ton).
- KStN 1113**
18.03.1942
Motorized Light Reconnaissance Company (Volkswagen)
Co Hqs: 4 mcl; 3 VW (1).
3 Recon Plt: Hqs Sect: 1 mcl; 2 VW (1); 1 ATR.
3 Sqd: 4 VW; 1 Reconnaissance Squad w/ 2 LMG.
1 Hvy Plt: Hqs Sect: 1 mcl; 3 VW (1).
2 HMG Sect: 7 VW; 2 HMG.
1 Mortar Sect: 3 trucks (70); 2 mortars (81mm).
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Co Trains: 1 car (1); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton);
- KStN 1113(gp)**
1.03.1942
Armored Light Reconnaissance Company
Co Hqs: 4 mcl; 1 mcl w/sc; 2 SPW (250/3).
3 Recon Plt: Hqs Sect: 1 SPW (250/1); 1 SPW (250/10 w/ 37mm ATG).
3 Sqd: 2 SPW (250/1); 1 Reconnaissance Squad w/ 2 LMG.
1 Hvy Plt: Hqs Sect: 1 mcl; 1 SPW (250/1).
2 HMG Sect: 3 SPW (250/1); 2 HMG.
1 Mortar Sect: 2 SPW (250/7 w/ 81mm mortars); 2 SPW (250/7 w/o mortars).
Maint Sect: 1 mcl w/sc; 2 trucks (2-ton); 1 halftrack (10); 1 LMG.
Co Trains: 1 car (15); 1 truck (2-ton); 1 truck (medium); 2 trucks (3-ton).
- KStN 1121**
1.11.1941
Motorized Heavy Company
Co Hqs: 3 mcl; 2 mcl w/sc; 1 car (15).
Lt Tele Sect *c*: 1 car (15).
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Co Trains: 1 car (15); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton).
- KStN 1122a**
1.12.1941
ATG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15).
Ammo Sect: 2 halftracks (10); 2 trailers (ammo).
Gun Sect: 3 halftracks (10); 3 ATG (50mm – towed); 3 LMG.
- KStN 1123**
1.11.1941
IG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 truck (69).
Ammo Sect: 1 truck (69); 1 trailer (ammo).
Gun Sect: 1 trucks (69); 2 Lt IG (75mm – towed).
- KStN 1124**
1.11.1941
Engr Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15); 2 trucks (2-ton).
3 Engr Sect: 1 truck (2-ton); 1 Engineer Section w/ 1 LMG.
1 Engr Sect: 1 truck (2-ton); 1 Engineer Section.
- KStN 1127**
1.11.1941
ATG Sect: 1 mcl w/sc; 3 trucks (70); 3 ATG (28mm – towed); 3 LMG.
- KStN 1181**
1.02.1941
Motorized Light Reconnaissance Column
Col Hqs: 3 mcl; 4 mcl w/sc; 1 car (15); 3 LMG.
1 Sect: 1 mcl; 5 trucks (2-ton).
2 Sect: 4 trucks (medium).
Col Trains: 1 mcl w/sc; 2 trucks (medium).

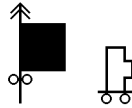
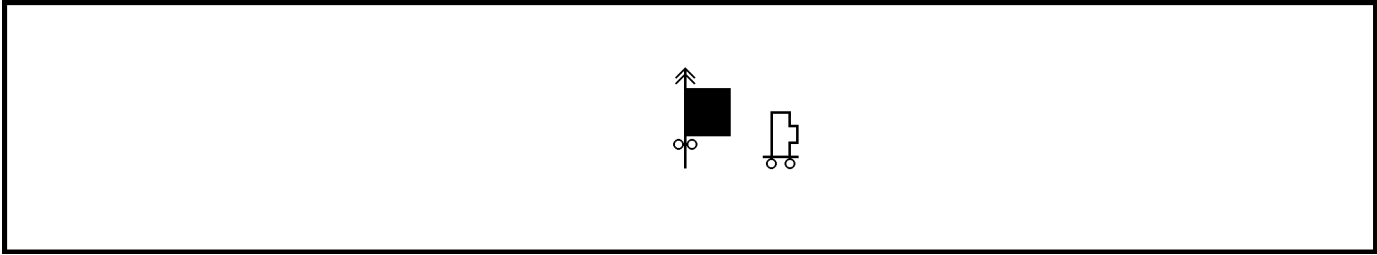
NOTES:

The Motorcycle Demonstration Battalion was a Replacement Army unit. It was equipped with the latest equipment and newest KStN. It had been temporarily transferred to the Field Army for combat experience, to test new equipment and

organizations as well as to develop the corresponding training methods.

On 28.06.1942 it was assigned to the 11 Panzer Division.

**STAB, PIONIER-REGIMENT (motorisiert)
Headquarters, Motorized Engineer Regiment**



KStN 701 *) Headquarters, Motorized Engineer Regiment
 1.11.1941 Rgt Hqs: 2 mcl; 1 car (1); 3 cars (15).
 2 Scout Sect: 6 mcl; 1 mcl w/sc.
 Rgt Hqs Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Rgt Hqs Trains: 1 mcl w/sc; 3 trucks (medium).

KStN 783 *) Signal Platoon, Motorized Engineer Regiment
 1.11.1941 Plt Hqs: 1 mcl w/sc; 1 car (15); 1 truck (light).
 1 Hvy Tele Sect *a*: 1 car (15).
 3 Pack Radio Sect *b*: 1 car (2).
 3 Pack Radio Sect *b*: ride together in one truck (2-ton).
 2 Lt Radio Sect *e*: 1 van (17).

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.

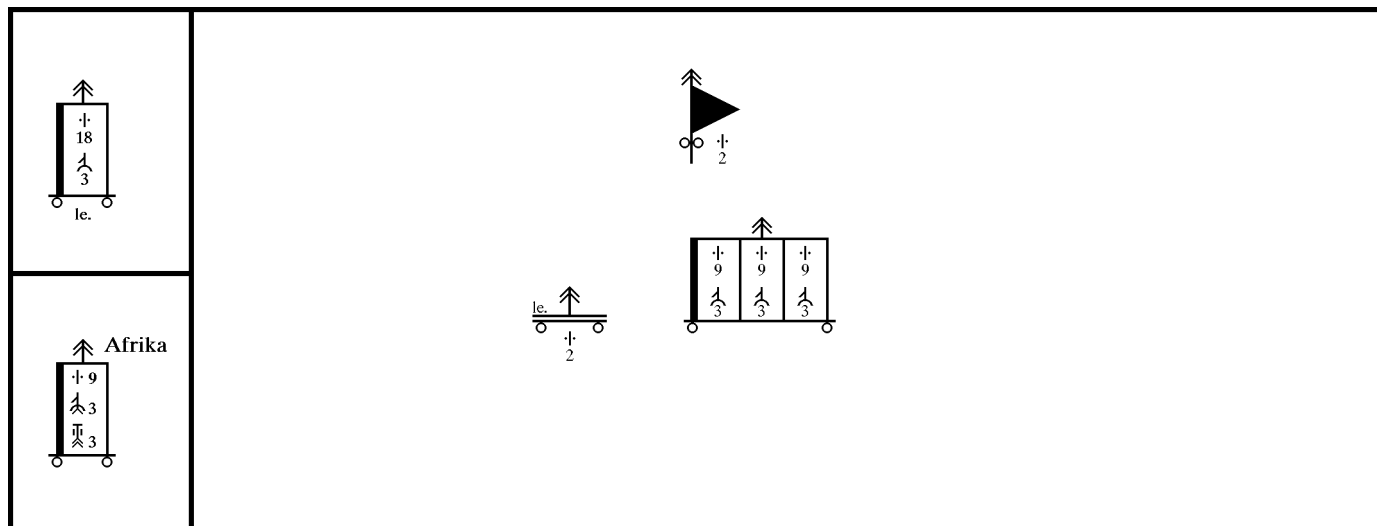
Besides being involved in the planning of offensive and defensive operations, they were also charged with improving and expanding the logistics capabilities of the rear areas, including bridges, railway construction and road construction. They also had to liaise with the signal troops and coordinate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

On 28.06.1942, there were 31 motorized Headquarters, Engineer Regiment.

| | |
|------------------------------|---|
| 413. | 6th Army, Army Group South |
| 504. | 4th Army, Army Group Center |
| 507. | 2nd Army, Army Group South |
| 511. | 1st Panzer Army, Army Group South |
| 512. | XXth Corps, 3rd Panzer Army, Army Group Center |
| 513. | 9th Army, Army Group Center |
| 514. | 18th Army, Army Group North |
| 515. | (2nd Pz Army, Army Group Center ?) |
| 516. | IXth Corps, 3rd Panzer Army, Army Group Center |
| 517. | Army Group Center (Commandant of Autobahns) |
| 518. | 2nd Panzer Army, Army Group Center |
| 519. | 18th Army, Army Group North |
| 520. | 4 Panzer Army, Army Group South |
| 541. | 16th Army, Army Group North |
| 601. | 1st Panzer Army, Army Group South |
| 604. | L1st Corps, 1st Pz Army, Army Group South |
| 605. | 6th Army, Army Group South |
| 614. *) | 4th Army, Army Group Center |
| 617. | 11th Army, Army Group South |
| 620. Mtn | XXXXIXth Mountain Corps, 17th Army, Army Group South |
| 623. *) | 9th Army, Army Group Center |
| 628. | 12th Army, Ob. West |
| 667. | 18th Army, Army Group North |
| 673. | 1st Panzer Army, Army Group South |
| 674. | XXXXth Corps, 6th Army, Army Group South |
| 677. | VIIIth Corps, 6th Army, Army Group South |
| 678. | 2nd Panzer Army, Army Group Center |
| 680. | 11th Army, Army Group South |
| 685. | 2nd Army, Army Group South |
| 690. | 11th Army, Army Group South |
| 700. | 1st Panzer Army, Army Group South (Heavy Bridge Building) |
| *) without a Signal Platoon. | |

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



KSStN 703 *)
1.11.1941

Headquarters, Motorized Combat Engineer Battalion

Bn Hqs: 2 mcl; 2 mcl w/sc; 2 cars (light); 3 cars (15); 2 LMG.
Signal Det: 4 Lt Radio Sect e: 1 car (2).
1 Hvy Tele Sect a: 1 car (2); 1 truck (3-ton).
Bn Maint Det: 1 mcl w/sc; 1 car (2/40); 1 car (light); 2 trucks (3-ton).
Bn Trains: 1 mcl w/sc; 4 trucks (medium); 2 trucks (3-ton); 1 ambulance (31).

KSStN 712 *)
1.11.1941

Motorized Combat Engineer Company

Co Hqs: 3 mcl; 1 mcl w/sc; 1 car (15).
Support Det: 3 trucks (3-ton); 2 trailers (compressor).
Signal Det: Hqs Set: 1 car (15).
2 Lt Radio Sect e: 1 van (17)
3 CE Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15); 1 truck (medium); 1 ATR.
3 Engr Sect: 1 car (15); 1 truck (3-ton); 1 Combat Engineer Section with 1 LMG.
Maint Sect: 1 mcl/w sc; 1 car (2/40).
Co Trains: 1 mcl w/sc; 2 trucks (medium); 1 truck (3-ton).

KSStN 714 *)
1.11.1941

Motorized Light Combat Engineer Company

Co Hqs: 3 mcl; 1 mcl w/sc; 1 car (15).
Support Det: 3 trucks (3-ton); 2 trailer (compressor).
Signal Det: Hqs Set: 1 car (15).
2 Lt Radio Sect e: 1 van (17)
3 CE Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15); 1 truck (2-ton); 1 ATR.
3 Engr Sect: 2 trucks (2-ton); 1 Combat Engineer Section with 2 LMG.
Maint Sect: 1 mcl/w sc; 1 car (2/40).
Co Trains: 1 mcl w/sc; 2 trucks (medium); 1 truck (3-ton).

KSStN 712 (Afr)*
1.11.1941

Motorized Combat Engineer Company (Africa)

Co Hqs: 3 mcl; 1 mcl w/sc; 3 trucks (3-ton).
Signal Det: 1 Lt Tele Sect b: 1 car (15).
2 Lt Radio Sect e: 1 van (17)
3 CE Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15).
3 Engr Sect: 2 trucks (2-ton); 1 Engineer Section w/ 1 LMG.
1 AT Sect: 1 halftrack (10); 1 ATG (50mm – towed); 1 truck (70); 1 ATG (28mm – towed).
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Co Trains: 1 car (1); 11 trucks (3-ton).

KSStN 741 *)
1.02.1941

Motorized Supply Column, Motorized Combat Engineer Battalion

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

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 and the Afrika Companies were the Pionier-Kraftwagen III (Pion.Kw. III).

The support detachment carried engineer equipment and tools, ammunition, and the company flame-throwers. The companies were also equipped with pneumatic tools, welding sets, ten searchlights, 400 rolls of barbed wire, sand bags, explosives, smoke grenades, over 1000 mines, 38 small (4-man) rubber boats and 36 large (11-man) rubber boats.

The 1st and 2nd Lehr Battalions were Training Army units. These demonstration battalions were at times temporarily transferred to the Field Army for combat experience, to test new equipment, organizations and to develop the corresponding training methods. They were always had the latest equipment and newest KSStN.

The 60th and 62nd Battalions had originally been Panzerkorps units before they were transferred to GHQ Troops, hence their organization was the same as the battalions of the Panzer Divisions.

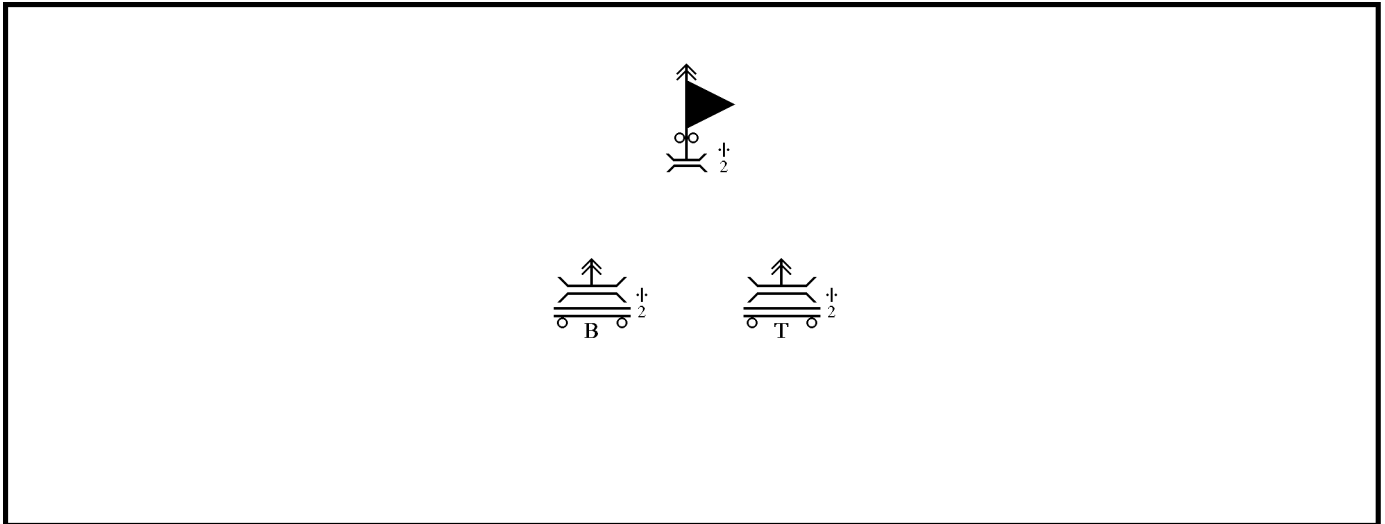
The 900th Battalion, although officially a GHQ unit, was permanently assigned to the 90th Light Africa Division.

There were 22 GHQ Motorized Combat Engineer Battalions on 28.06.1942.

| | |
|----------------------|---|
| 1-Lehr ¹⁾ | Army Group D |
| 2-Lehr ²⁾ | Army Group Center |
| 41. | 6th Army, Army Group South |
| 42. | Army Group Center |
| 44. | 18th Army, Army Group North |
| 45. | 2nd Army, Army Group South |
| 46. | 11th Army, Army Group South |
| 47. | 4th Army, Army Group Center |
| 48. | Army Group South |
| 52. | Army Group South |
| 60. ³⁾ | XIV Pz Corps, 4 Pz Army, Army Group South |
| 62. ⁴⁾ | 4 Pz Army, Army Group South |
| 70. | 11th Army, Army Group South |
| 85. | 9th Army, Army Group South |
| 505. | 18th Army, Army Group North |
| 627. | 1st Pz Army, Army Group South |
| 630. | 2nd Pz Army, Army Group Center |
| 635. | XXXX Corps, 6th Army, Army Group South |
| 651. | 6th Army, Army Group South |
| 659. | 12th Army |
| 666. | 1st Pz Army, Army Group South |
| 900. ⁵⁾ | 90th Light Africa Div., German Africa Corps, Pz Army Africa |

1) 1-Lehr-Pionier-Bataillon had 1 light and 2 regular companies; exact assignment unknown.
2) 2-Lehr-Pionier-Bataillon had only 2 regular companies; exact assignment unknown.
3) 60th had 3 light companies.
4) 62nd had 3 light companies.
5) 900th had only 2 Africa companies.

BRÜCKEN-KOLONNENSTAFFEL (motorisiert)
Motorized Headquarters Detachment for Bridge Columns



KStN 705 *) Motorized Headquarters Detachment for Bridge Columns

10.04.1942 Det Hqs: 1 mcl; 1 mcl w/sc; 1 car (1); 2 cars (15); 2 LMG.
 1 Lt Tele Sect a: 1 car (15).
 2 Pack Radio Sect b: 1 car (2).
 Maint Det: 1 mcl w/sc; 1 car (2/40); 1 car (light); 2 trucks (medium); 2 vans (42); 1 trailer (welding).
 Det Trains: 2 trucks (medium).

KStN 733 *) Motorized Type "B" Bridge Column

1.03.1942 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); 2 LMG.
 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 *) Motorized Type "T" Bridge Column T

1.03.1942 Col Hqs: 2 mcl; 1 car (light).
 2 Bridge Plt: Hqs Sect: 1 mcl w/sc.
 1 Trestle Sect: 2 halftracks (7); 2 trailers (trestles); 2 LMG.
 1 Pontoon Sect: 2 halftracks (7); 2 trailers (3 pontoons each).
 2 Pontoon Sect: 2 trucks (3-ton); 2 trailers (3 pontoons each).
 1 Support Plt: Hqs Sect: 1 mcl w/sc.
 Col Trains: 3 trucks (light).

NOTES:

The motorized Headquarters Detachment for Bridge Columns was a new development in the German Army. These detachments were set up to cater to the needs of the bridge columns themselves, such as motor vehicle maintenance, supply, road march control, etc. There was no fixed number or type of bridge columns attached. Command and control functions, however, were still carried out by the Headquarters, Combat Engineer Regiment.

There were 20 Headquarters Detachments for Bridge Columns on 28.06.1942:

| Det. | Raised | Assignment |
|------|----------|--------------------------------|
| 921. | 19.03.42 | 6th Army, Army Group South |
| 922. | 21.03.42 | 1st Pz Army, Army Group South |
| 923. | 15.04.42 | 4 Pz Army, Army Group South |
| 924. | 15.04.42 | Army Group South |
| 925. | 15.04.42 | 6th Army, Army Group South |
| 926. | 15.04.42 | 11th Army, Army Group South |
| 927. | 15.04.42 | 1st Pz Army, Army Group South |
| 928. | 15.04.42 | 4th Army, Army Group Center |
| 929. | 15.04.42 | 9th Army, Army Group Center |
| 930. | 15.04.42 | 2nd Pz Army, Army Group Center |
| 931. | 15.04.42 | Army Group Center |
| 932. | 15.04.42 | Army Group Center |
| 933. | 18.04.42 | 16th Army, Army Group North |
| 934. | 18.04.42 | 16th Army, Army Group North |
| 935. | 18.04.42 | 18th Army, Army Group North |
| 936. | 24.04.42 | 18th Army, Army Group North |
| 937. | 24.04.42 | Army Group North |
| 938. | 04.42 | Army Group South |
| 939. | 04.42 | 17th Army, Army Group South |
| 940. | 04.42 | Ob. West |

Originally, all armies, corps, and most divisions had motorized B bridge columns. A few had T bridge columns, (which was Czech equipment), and non-motorized C bridge columns. In 1940, all B, T and C bridge columns were redesignated as GHQ troops.

Pontoon trestle bridges were designed as combat bridges. This meant that the bridges had to be raised as soon as possible, depending upon the time needed to build a more permanent bridge next to it. The latter was the job of the bridge construction engineers.

To enable the bridge column to build further bridges, full sets of bridge equipment were kept in bridge parks to the rear, and were issued as Equipment Units. Escort Detachments escorted the bridges from the parks to the bridge columns, and were mainly charged with supervising, loading, and unloading the equipment during transport.

The bridge column did not itself assemble the bridge, but was merely a transportation and advisory unit. The divisional combat engineers, or attached construction troops actually assembled these combat bridges.

The "B" bridge was the standard combat bridge of the German Army during World War II. It was the workhorse of the German combat engineers, and was the most often encountered combat bridge.

The bridge column B, (with a strength of 2 officers, 13 NCO's, and 87 men), was equipped with a heavy pontoon and trestle bridge, using a flat-bed, wooden-floored superstructure resting on undecked, non-reversible steel (or alloy) pontoons. Each pontoon was shaped like a straight-sided boat, with a raised bow at one end. In effect, each pontoon was only a half-pontoon. When fastened stern to stern, the load capacity was doubled.

The 8-ton halftrack (Sd.Kfz. 7) could be substituted by a 5-ton halftrack (Sd.Kfz. 6). One Boat Section had 3 S-Boot (assault boat), while the other had one M-Boot (motor boat).

The Brückengerät B could be used in a variety of roles, including ferries, pontoon bridges of varying widths and lengths, and, without pontoons, as auxiliary bridges and emergency spanning of damaged or destroyed bridges.

One bridge column B could use its equipment in several standard variations:

1. Bridge with half-pontoons in clusters, for a total length of 130 meters, and a load carrying capacity of 4 tons;
2. Bridge with two full (two half-pontoons stern to stern), pontoons, in clusters of two each, for a total length of 75 meters, and a load-carrying capacity of 8 tons;
3. Bridge with full pontoons, one next to the other, for a total length of 50 meters, and with load-carrying capacity of 20 tons
4. Ferry with a load-carrying capacity of 8 tons, using half-pontoons;
5. Ferry with a load-carrying capacity of 20 tons, using full pontoons.

The engineers also used the different parts of the bridge, in particular the trestles, for many different and imaginative bridging and other obstacle crossing projects.

ORDER OF BATTLE — BRIDGE COLUMNS

| Unit & Type | Location |
|--------------|----------------------------------|
| 1 B mot | |
| 2 K mot | |
| 3 B mot | |
| 4 K mot | 4. Pi. Btl., 13. Pz.Div. |
| 5 B mot | |
| 6 B mot | |
| 7 B mot | |
| 8 B mot | VIII., 6th Army, AG South |
| 9 B[EU] | 6th Army Reserves, AG South |
| 10 B mot | |
| 11 B mot | |
| 12 B mot | |
| 13 K mot | 13. Pi. Btl., 14. Pz.Div. |
| 14 B mot | |
| 15 B mot | |
| 16 K mot | 16. Pi. Btl., 16. Pz.Div. |
| 17 B mot | |
| 18 B mot | |
| 19 K mot | 19. Pi.Btl., 19. Pz.Div. |
| 20 B mot | |
| 21 B mot | |
| 22 B mot | IV., 4. Pz. Armees, AG South |
| 23 B mot | |
| 24 B mot | 6th Army Reserves, AG South |
| 25 B mot | |
| 26 B mot | |
| 27 B [EU] | |
| 28 B [EU] | |
| 29 B mot | |
| 30 B mot | |
| 31 B mot | |
| 32 B mot | 32. Pi. Btl., 12. Pz.Div. |
| 33 B [EU] | |
| 34 B mot | |
| 35 B [EU] | |
| 36 B mot | |
| 37 K mot | 37. Pi.Btl., 1. Pz.Div. |
| 38 K mot | 38. Pi.Btl., 2. Pz.Div. |
| 39 K mot | 39. Pi.Btl., 3. Pz.Div. |
| 40 K mot | 40. Pi.Btl., 24. Pz.Div. |
| 1./41 B mot | |
| 2./41 B mot | |
| 42 B mot | |
| 43 B mot | |
| 44 B mot | |
| 45 T | |
| 46 B mot | |
| 47 B mot | |
| 48 B mot | |
| 49 K mot | 49. Pi.Btl., 10. Pz.Div. |
| 50 B mot | |
| 51 B mot | 6th Army Reserves, AG South |
| 52 B mot | |
| 54 B mot | 6th Army Reserves, AG South |
| 57 K mot | 57. Pi.Btl., 6. Pz.Div. |
| 58 K mot | 58. Pi.Btl., 7. Pz.Div. |
| 59 K mot | 59. Pi.Btl., 8. Pz.Div. |
| 1./60 B mot | |
| 2./60 B [EU] | 6th Army Reserves, AG South |
| 1./61 B mot | |
| 2./61 B mot | |
| 3./61 B mot | |
| 62 K mot | 4. Pz. Armees Reserves, AG South |
| 70 B mot | |
| 79 B mot | |
| 80 B mot | |
| 81 B mot | |
| 82 B mot | |
| 83 B mot | |
| 85 B mot | |
| 86 K mot | 86. Pi.Btl., 9. Pz.Div. |
| 88 B mot | |
| 89 K mot | 89. Pi.Btl., 5. Pz.Div. |
| 92 B mot | |
| 94 B mot | |
| 95 B mot | |
| 97 B mot | |
| 98 B mot | |
| 99 B mot | 6th Army Reserves, AG South |
| 100 B mot | |
| 101 B mot | |
| 102 B mot | |

| Unit & Type | Location |
|-----------------|------------------------------|
| 106 B mot | VIIIth, 6th Army, AG South |
| 107 B mot | |
| 110 B mot | XXXXth, 6th Army, AG South |
| 111 B mot | |
| 112 B mot | |
| 113 B mot | XXXXth, 6th Army, AG South |
| 121 B mot | |
| 122 B mot | |
| 123 B mot | |
| 125 B mot | XXXXth, 6th Army, AG South |
| 126 B mot | |
| 129 B mot | |
| 131 B mot | |
| 132 B mot | |
| 134 B mot | |
| 137 B mot | |
| 138 B mot | |
| 143 K mot | 50. Pi.Btl., 22. Pz.Div. |
| 151 K mot | 51. Pi.Btl., 23. Pz.Div. |
| 152 T mot | |
| 156 T [EU] | 6th Army Reserves, AG South |
| 157 T mot | |
| 158 T mot | |
| 160 B mot | XXIXth, 6th Army, AG South |
| 161 B mot | |
| 162 T [EU] | 6th Army Reserves, AG South |
| 168 T [EU] | 6th Army Reserves, AG South |
| 169 T mot | |
| 171 T mot | |
| 173 T [EU] | |
| 175 T [EU] | 6th Army Reserves, AG South |
| 176 T [EU] | |
| 178 T mot | |
| 179 T mot | |
| 182 T | |
| 183 T [EU] | 6th Army Reserves, AG South |
| 186 T mot | |
| 187 T | |
| 188 T [EU] | 6th Army Reserves, AG South |
| 193 T [EU] | |
| 194 T | |
| 195 T | |
| 196 T [EU] | |
| 198 T [EU] | 6th Army Reserves, AG South |
| 206 A (Platoon) | |
| 207 A (Platoon) | |
| 209 K mot | 209. Pi.Btl., 11. Pz.Div. |
| 213 A (Platoon) | |
| 271 A (Platoon) | |
| 221 A (Platoon) | |
| 222 B mot | |
| 239 A (Platoon) | |
| 260 B mot | |
| 297 B mot | |
| 298 B mot | |
| 317 T [EU] | |
| 401 B mot | |
| 1./402 B mot | |
| 2./402 B mot | |
| 1./403 B mot | |
| 2./403 B mot | |
| 1./404 B mot | |
| 2./404 B mot | XXIXth, 6th Army, AG South |
| 1./405 B mot | |
| 2./405 B mot | |
| 1./406 B mot | |
| 2./406 B mot | |
| 2./407 B mot | |
| 1./408 B mot | |
| 2./408 B mot | |
| 1./409 B mot | XXIX., 6th Army, AG South |
| 2./409 B mot | |
| 1./410 B mot | |
| 2./410 B mot | 4 Pz Army Reserves, AG South |
| 2./411 B mot | |
| 2./412 B mot | |
| 1./413 B mot | |
| 2./413 B [EU] | |
| 1./415 B mot | |
| 2./415 B mot | |
| 1./422 B mot | |
| 2./422 B mot | |


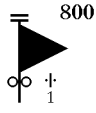

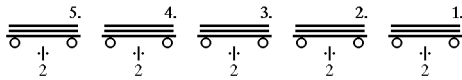

| Unit & Type | Location |
|-------------------|-----------------------------|
| 1./427 B mot | |
| 2./427 B mot | |
| 1./430 B mot | |
| 2./430 B mot | |
| 442 B mot | |
| 1./505 B mot | 4 Pz Army, AG South |
| 2./505 B mot | |
| 533 B mot | |
| 534 B mot | |
| 535 B mot | |
| 536 B mot | |
| 537 B mot | |
| 539 B mot | XXXXth, 6th Army, AG South |
| 602 B mot | 6th Army Reserves, AG South |
| 603 B mot | XXXXth, 6th Army, AG South |
| 606 B mot | |
| 609 B mot | XXXXth, 6th Army, AG South |
| 610 B mot | 6th Army Reserves, AG South |
| 612 B mot | |
| 615 B mot | XXXXth, 6th Army, AG South |
| 616 B [EU] | |
| 619 B mot | |
| 620 B mot | |
| 624 B mot | |
| 626 B mot | |
| 627 B [EU] | |
| 630 B [EU] | 6th Army Reserves, AG South |
| 635 B mot | |
| 636 B mot | |
| 639 B mot | XXXXth, 6th Army, AG South |
| 644 B mot | |
| 649 B mot | |
| 651 B mot | |
| 652 B mot | |
| 653 B mot | |
| 1./654 dō [EU+ED] | |
| 2./654 dō [EU+ED] | |
| 1./655 dō [EU+ED] | |
| 2./655 dō [EU+ED] | |
| 656 B mot | |
| 1./657 dō [EU+ED] | |
| 2./657 dō [EU+ED] | |
| 658 B mot | |
| 660 B mot | |
| 661 B mot | |
| 663 B mot | |
| 664 B mot | |
| 666 B mot | |
| 667 B mot | XXXXth, 6th Army, AG South |
| 668 B mot | |
| 671 B mot | |
| 672 B mot | |
| 675 B mot | |
| 676 B mot | |
| 695 K mot | 79. Pi.Btl., 4. Pz.Div. |
| 801 B [EU+ED] | |
| 802 B [EU+ED] | |
| 803 B [EU+ED] | |
| 805 B [EU+ED] | |
| 805 B [EU+ED] | |
| 806 B [EU+ED] | |
| 807 B [EU+ED] | |
| 808 B [EU+ED] | |
| 809 B [EU+ED] | |
| 811 B [EU] | |
| 812 B [EU+ED] | |
| 813 B [EU] | |
| 815 B [EU+ED] | 6th Army Reserves, AG South |
| 816 B [EU+ED] | 6th Army Reserves, AG South |
| 817 B [EU] | |
| 818 B [EU] | |
| 819 B [EU] | |
| 820 B [EU] | |
| 821 B [EU] | |
| 822 B [EU] | |
| 823 B [EU+ED] | |
| 824 B [EU] | |
| 825 B [EU] | |
| 826 B [EU+ED] | |
| 827 B [EU+ED] | |
| 900 B mot | |
| GD K mot | GD Pi.Btl., GD Div. (mot) |

[EU] Equipment Unit (one unit of bridge equipment; no vehicles or personnel)

[ED] Escort Detachment (personnel only; a few vehicles, but not enough to move all personnel and equipment)

Note: Missing bridge column numbers indicate units either destroyed, dissolved, amalgamated into engineer battalions (and renumbered), or used to fill up other bridge columns, or not raised.

SCHWERE BRÜCKEN-KOLONNEN Heavy Bridge Columns

| | |
|---|--|
|  <p style="text-align: center;">le.Z. le.Z. Bridge Column Equipment Unit with Escort Detachment (semi-motorized)</p> |  |
|  <p style="text-align: center;">s.S. s.S. Bridge Column Equipment Unit with Escort Detachment (semi-motorized)</p> |  |
|  <p style="text-align: center;">H. Herbert Bridge Column Equipment Unit with Escort Detachment (semi-motorized)</p> | |

KStN 779*) Headquarters, Motorized Heavy Bridge Transport Battalion

1.11.1941 Bn Hqs: 3 mcl; 2 mcl w/sc; 1 car (medium); 1 bus (light / 15 seats).
Bn Hqs Trains: 1 truck (light); 1 LMG.

KStN 780 *) Motorized Heavy Bridge Transport Column (70-ton)

1.11.1941 Col Hqs: 1 mcl; 1 mcl w/sc; 1 car (light); 2 LMG.
4 Sect: 3 trucks (heavy).
1 Sect: 5 trucks (heavy); 2 trailers (cargo).
Col Maint Sect: 1 mcl w/sc; 1 car (2/40).
Col Trains: 3 trucks (medium).

KStN 758 *) Semi-Motorized Escort Detachment, Type "H" Bridge Column

1.02.1941 Hqs Sect: 1 mcl; 1 car (light).
Bridge Sect: 1 car (light); 2 trucks (medium); 2 trailers (motor boat).
Det Trains: 1 truck (light); 1 truck (medium).

KStN 760 *) Semi-Motorized Escort Detachment, Type "sS" Bridge Column

1.02.1941 Hqs Sect: 1 mcl; 1 car (light).
2 Bridge Sect: 1 car (light); 2 trucks (heavy); 4 motor cranes (10-ton); 2 trailers (motor boat).
Det Trains: 1 truck (light); 1 truck (medium).

KStN 762 *) Semi-Motorized Escort Detachment, Bridge "le.Z." Column

1.02.1941 Hqs Sect: 1 mcl; 1 car (light).
Bridge Sect: 1 truck (medium).
Det Trains: 1 truck (light); 1 truck (medium).

NOTES:

Various heavy combat bridges were available to the Germans, which could be constructed with standard or even tailor-made material ordered directly from factories in Germany and occupied countries. Since this took time, standardized bridge components had been manufactured in advance and moved to the combat theaters.

Heavy bridges existed as units of equipment, and were normally located in bridge parks. They were formed into standard bridge Equipment Unit columns.

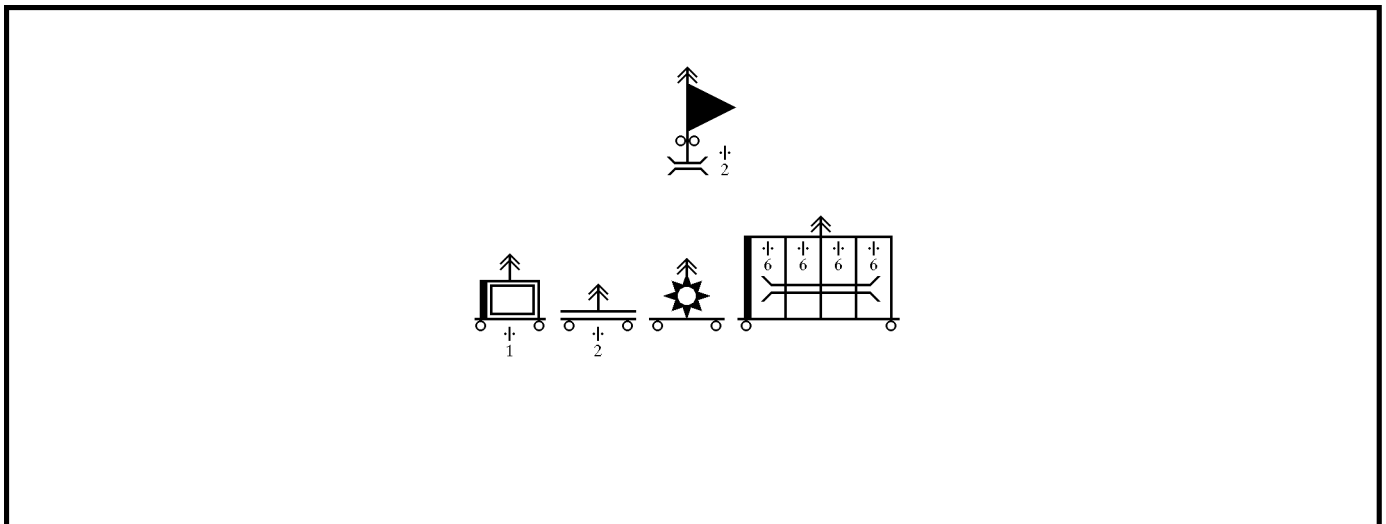
The indicated width and load-carrying capacity of a heavy bridge to be built was calculated in the number of equipment unit columns necessary to bridge it. Heavy bridge equipment unit columns did not have any vehicles or personnel organically assigned to them.

Heavy bridge equipment unit columns were dispatched to the indicated area, accompanied by an escort detachment. Transport could be by rail, river, or, in the case of the Type le.Z. bridge column, by road on the 800 Motorized Heavy Bridge Transport Battalion. The personnel of the escort detachment did not build the bridge, but was responsible for it en-route, and for supervising its erection. The escort detachments were only semi-motorized, and some personnel and equipment had to be transported by the same means as the heavy bridge Equipment Unit.

The 800 Motorized Heavy Bridge Transport Battalion was intended to transport five equipment unit columns of the Type le.Z. heavy bridge in one movement. It could transport other heavy bridge equipment unit columns, but this would take many movements. The 800 Motorized Heavy Bridge Transport Battalion was assigned to Army Group Center Reserves on 22.06.1941.

| | |
|---|--|
| <ol style="list-style-type: none"> 1. H. [EU+ED] 2. H. [EU+ED] 3. H. [EU+ED] 4. H. [EU+ED] 5. H. [EU+ED] 13. le.Z. [EU+ED] 21. s.S. [EU+ED] 22. s.S. [EU+ED] 23. s.S. [EU+ED] 24. s.S. [EU+ED] 25. s.S. [EU+ED] 31. le.Z. [EU+ED] 32. le.Z. [EU+ED] 33. le.Z. [EU+ED] 34. le.Z. [EU+ED] 35. le.Z. [EU+ED] 36. le.Z. [EU+ED] 37. le.Z. [EU+ED] 38. le.Z. [EU+ED] 40. le.Z. [EU+ED] | <p>The German heavy bridge equipment comprised the following standard types:</p> <p>Leicht Zerlegbar (le.Z.) (lit.: easily disassembled) A heavy combat bridge with a load capacity of 18 tons for wheeled vehicles, and 30 tons for fully tracked vehicles. With a width of 3.7 meters, one Equipment Unit could span 45 meters without supports, such as trestles or pontoons. One combat engineer company was needed to assemble this bridge. Road movement required 28 medium trucks (3-ton) and 2 trailers of at least 5.5 meters length, or 17 heavy trucks (4.5-ton) and 2 trailers. Rail movement required 6 "O" or "R" wagons.</p> <p>schwere Schiffsbrücke (s.S.) (lit.: heavy ship bridge) A heavy railroad bridge, consisting of wide, built-up spans. If used as a floating bridge, it was supported by massive decked pontoons or boats. Road movement required 400 heavy trucks (4.5-ton) and 50 trailers of at least 5.5 meters length. Rail movement required 190 "O" and 60 "S" wagons.</p> <p>Herbert (H.) A large box-girder floating bridge from WW I. Each span weighed 4 tons, with a load capacity of 24 tons. It could be used in various self-supporting configurations, with a length of 12 (5 meters wide) to 20 meters (3 meters wide). When used as a floating bridge, it was supported by 45-ton boats or large seven-component pontoons. Road movement required 448 medium trucks (3-ton) and 8 trailers of 5.5 meters length. Rail movement required 144 "O" and 8 "Ol" or "Om" wagons.</p> <p>EU: Equipment Unit (bridge equipment unit column only; no vehicles or personnel) ED: Escort Detachment (personnel only; a few vehicles, but not enough to move all personnel and equipment)</p> |
|---|--|

BRÜCKENBAU-BATAILLON (motorisiert) Motorized Bridge Construction Battalion



KStN 704a *) Headquarters, Motorized Bridge Construction Battalion

1.11.1941
 Bn Hqs: 2 mcl; 2 mcl w/sc; 4 cars (medium); 2 LMG.
 2 Lt Tele Sect α : 1 car (15).
 Bn Maint Det: 1 mcl w/sc; 1 car (2/40); 1 car (light); 2 trucks (3-ton).
 Det Trains: 12 trucks (medium); 1 ambulance (31).

KStN 750 *) Motorized Bridge Construction Company

1.11.1941
 Co Hqs: 2 mcl; 3 mcl w/sc; 1 car (light).
 3rd Plt: 1 mcl; 1 mcl w/sc; 1 car (light); 5 trucks (medium); 2 LMG.
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Co Trains: 1 mcl w/sc; 4 trucks (medium).

KStN 735 Motorized Engineer Equipment Platoon

1.02.1941
 Plt Hqs: 2 mcl; 1 car (medium); 1 truck (medium).
 2 Machine Det: 1 mcl; 1 car (light); 6 trucks (medium); 2 trucks (heavy); ; 1 trailer (2-wheel – general purpose);
 2 trailers (2-wheel – tool); 1 trailer (2-wheel – compressor); 1 trailer (2-wheel – generator); 1 trailer (4-wheel – crane).
 1 Workshop Det: 1 car (light); 3 trucks (medium); 1 truck (heavy); 2 trailers (2-wheel – tool); 1 trailer (4-wheel – general purpose).
 Plt Trains: 1 mcl; 2 trucks (medium).

KStN 741 Motorized Light Engineer Column

1.02.1941
 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 LMG.
 1 Plt: 1 mcl; 1 mcl w/sc; 7 trucks (medium); 1 ambulance (31); 1 LMG.
 Col Trains: 1 mcl; 1 truck (light).

KStN 754 Motorized Engineer Park Company

1.11.1941
 Co Hqs: 1 mcl; 1 mcl w/sc; 1 car (light); 1 LMG.
 3rd Plt: 1 car (light); 3 trucks (medium).
 Maint Sect: 1 mcl; 1 car (2/40).
 Col Trains: 5 trucks (medium).

NOTES:

The presentation above shows only the motorized organizations; the (foot) units and the semi-motorized units are not. The battalion headquarters of most units were only partially motorized. In the table to the right, the indication (foot) means that the majority of personnel were on foot, although the equipment was transported on horse-drawn carts and wagons in these (foot) units and which battalions had park platoons and which only had motorized light engineer columns. For the sake of completeness, all the battalions are presented.

The bridge construction battalions were equipped to build and repair all sorts of bridges. The four bridge construction companies provided the manpower, whereas the equipment and park units provided the necessary machinery and tools to do just about any job. Although there were special engineer units for railroad construction, railroad bridges were mainly built and repaired by these battalions. For major bridge projects, several bridge construction battalions, railroad construction battalions, and if necessary, even specialized railroad bridge construction companies and heavy bridge columns, were gathered under a Headquarters, Engineer Regiment, which coordinated the efforts of all these units.

These battalions were also trained to erect combat bridges, provided that these units were able to get to the corresponding sites in time. It was not infrequent that combat bridges were built at the same time that the repair of damaged bridges right next to them was begun. The combat bridges would be disassembled when the other bridge was repaired and open for traffic, to be used elsewhere. Often ferry services with rafts were begun to enable the combat bridge to be removed as soon as possible.

There were 30 GHQ Bridge Construction Battalions (motorized, partially motorized, or foot), on 28.06.1942.

| Bn | Bn Hqs | 1st Co | 2nd Co | 3rd Co | 4th Co | Equip. Plt | Park or Col | Assigned |
|------|----------|--------|--------|--------|--------|------------|-------------|--------------------------------|
| 3. | semi-mot | mot | mot | (foot) | (foot) | mot | Col-mot | Army Group North |
| 4. | semi-mot | mot | (foot) | (foot) | (foot) | mot | Co (foot) | Army Group Center |
| 7. | semi-mot | mot | (foot) | (foot) | (foot) | mot | Co (foot) | 6th Army, Army Group South |
| 21. | semi-mot | mot | (foot) | (foot) | (foot) | mot | Col-mot | 4 Pz Army, Army Group South |
| 26. | semi-mot | (foot) | (foot) | (foot) | (foot) | mot | Col-mot | Army Group South |
| 37. | semi-mot | (foot) | (foot) | (foot) | (foot) | mot | Co (foot) | Army Group Center |
| 41. | semi-mot | (foot) | (foot) | (foot) | (foot) | mot | Col-mot | 1st Pz Army, Army Group Center |
| 42. | semi-mot | (foot) | (foot) | (foot) | (foot) | mot | Col-mot | Army Group Center |
| 54. | semi-mot | (foot) | (foot) | (foot) | (foot) | mot | Col-mot | Army Group Center |
| 84. | semi-mot | (foot) | (foot) | (foot) | (foot) | mot | Col-mot | 9th Army, Army Group Center |
| 145. | mot | mot | mot | mot | mot | mot | Co-mot | 9th Army, Army Group Center |
| 159. | mot | mot | mot | mot | mot | mot | Col-mot | 2nd Pz Army, Army Group Center |
| 208. | semi-mot | (foot) | (foot) | (foot) | (foot) | mot | Col-mot | 9th Army, Army Group Center |
| 210. | mot | mot | mot | mot | mot | mot | Col-mot | (Army Group South ?) |
| 255. | semi-mot | mot | (foot) | (foot) | (foot) | mot | Col-mot | 6th Army, Army Group South |
| 521. | semi-mot | (foot) | (foot) | (foot) | (foot) | mot | Co (foot) | 11th Army, Army Group South |
| 522. | semi-mot | (foot) | (foot) | (foot) | (foot) | mot | Co (foot) | 6th Army, Army Group South |
| 531. | semi-mot | (foot) | (foot) | (foot) | (foot) | mot | Co (foot) | 2nd Army, Army Group South |
| 548. | semi-mot | (foot) | (foot) | (foot) | (foot) | mot | Co (foot) | 9th Army, Army Group Center |
| 552. | semi-mot | (foot) | (foot) | (foot) | (foot) | mot | Co (foot) | 11th Army, Army Group South |
| 560. | semi-mot | mot | (foot) | (foot) | (foot) | mot | Co (foot) | 1st Pz Army, Army Group South |
| 566. | semi-mot | (foot) | (foot) | (foot) | (foot) | mot | Co (foot) | 16th Army, Army Group North |
| 577. | mot | mot | mot | mot | mot | mot | Co-mot | 12th Army |
| 593. | semi-mot | (foot) | (foot) | (foot) | (foot) | mot | Co (foot) | 4th Army, Army Group Center |
| 624. | semi-mot | (foot) | (foot) | (foot) | (foot) | mot | Co (foot) | 11th Army, Army Group South |
| 646. | semi-mot | (foot) | (foot) | (foot) | (foot) | mot | Co (foot) | 11th Army, Army Group South |
| 655. | semi-mot | mot | (foot) | (foot) | (foot) | mot | Co (foot) | 6th Army, Army Group South |
| 674. | semi-mot | (foot) | (foot) | (foot) | (foot) | mot | Co (foot) | 16th Army, Army Group North |
| 683. | semi-mot | (foot) | (foot) | (foot) | (foot) | mot | Co (foot) | 18th Army, Army Group North |
| 699. | semi-mot | (foot) | (foot) | (foot) | (foot) | mot | Co (foot) | 1st Pz Army, Army Group South |

STURMBOOT-KOMPANIE (motorisiert)
Motorized Engineer Assault Boat Company



KStN 729 *) Motorized Engineer Assault Boat Company

1.11.1941
 Co Hqs: 1 mcl; 1 mcl w/sc; 1 car (1).
 2 Pack Radio Sect *b*: 1 car (2).
 3 Boat Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (1).
 2 Sect: 3 trucks (medium); 3 trailers (3 S-Boot each); 1 LMG.
 1 Sect: 3 halftracks (11); 3 trailers (3 S-Boot each); 1 LMG.
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Boat Maint Sect: 1 mcl w/sc; 2 trucks (medium); 1 van (42); 1 trailer (cargo).
 Co Trains: 1 mcl w/sc; 1 trucks (light); 5 trucks (medium).

NOTES:

The light assault boat (S-Boot) was the Sturmboot 39. It was equipped with an outboard engine, known as a "mechanical oar" propulsion unit. It was a propeller attached to a long shaft running through a casing bolted to the engine. The propeller revolved about a meter behind the boat. The S-Boot was 6 meters long, 1.8 meters wide, and weighed 210 kilos. It required 8 men to carry and launch. The outboard motor weighed 190 kilos, and required 4 men to carry and install. The S-Boot could move at a maximum speed of 30 km/h fully loaded, and could sustain operations at this speed for about 60 minutes without refueling.

The S-Boot was steered by pivoting the engine on a bracket which attached it to the rear of the S-Boot. The Helmsman stood or knelt in the rear, and gripped one of the handles at the front of the engine.

The S-Boot was operated by 2 men, and could carry an additional 7 fully-

equipped infantrymen. The S-Boot was used to ferry assault engineers and infantry across rivers and other water obstacles. As soon as the attackers jumped off, the crew reversed the boat and sped off to fetch the next load. Assault boat operations were usually carried out under fire, and were used to maintain the momentum of the attack.

There were 8 of these Motorized Engineer Assault Boat Companies on 28.06.1942:

901.
 902.
 903.
 904.
 905.
 906.
 911.
 912.

PIONIER-LANDUNGSBOOT-KOMPANIE (teil-motorisiert)
Semi-Motorized Engineer Landing Craft Company



KStN 731 *) Semi-Motorized Engineer Landing Craft Company

26.03.1942 Co Hqs: Land-Based Hqs Sect: 2 mcl; 1 car (1).
 Water-Borne Hqs Sect: 1 Führungsboot 42 (20mm Flak); 1 LMG.

3 Boat Plt: Hqs Sect: 1 Sturmboot 42; 1 AA gun (20mm Flak); 1 LMG.
 3 Sect: Sturmboot 42; 1 AA gun (20mm Flak); 1 LMG.

1 Support Plt: Hqs Sect: Sturmboot 42; 1 AA gun (20mm Flak); 1 LMG.
 Water-Borne Maint Sect: 1 Pionier-Landungsboot 41; 1 AA gun (20mm Flak); 1 LMG.
 Land-Based Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 van (2-ton); 1 truck (4.5-ton); 1 trailer (5-ton).
 Water-Borne Support Sect: 1 Pionier-Landungsboot 41; 1 AA gun (20mm Flak); 1 LMG.
 Land-Based Support Sect: 1 truck (medium).

Motor Vehicle Det: 1 mcl w/sc; 3 cars (1); 5 trucks (3-ton); 1 truck (4.5-ton); 1 trailer (4-ton – P.O.L.).

NOTES:

The Engineer Landing Craft Company was used to convey infantry and other loads across larger bodies of water.

The Landing Craft Company was usually used in the second wave of the assault, when the bridgeheads had been secured, and no longer under observed fire.

The company was semi-motorized. It was capable of supporting itself during operations, but could not move its boats other than by water. For strategic movement the boats were transported by rail and, if necessary, by long trailers to the water. The trailers and their prime movers were not organic to the company.

On 28.06.1942, there were 4 Engineer Landing Craft Companies.

540.
 777.
 778. Panzerarmee-Afrika
 779.

Sturmboot 42 (Assault Boat)

Although having the prefix "Sturm" (assault), the Sturmboot 42 did not lend itself well to armed combat, being a relatively large, open, and unarmored conventional motor boat. It was 14.5 meters long, 3 meters wide, and weighed 9.5 tons. It had two diesel motors of 250 BHP each, and was equipped with a 20mm AA gun and 1 LMG. It was capable of transporting 40 men or 3 tons of supplies at a speed of 42 km/h. It could even be fitted with torpedos.

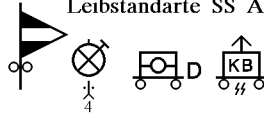
Führungsboot 42 (Command Boat)

This was a Sturmboot 42 fitted with a cabin for the company commander, and had two radios. (It was similar to the British LCP(L)).

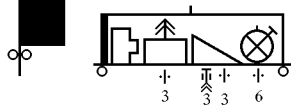
Pionier-Landungsboot 41 (Engineer Landing Boat)

This craft was 19 meters long, 6 meters wide, and weighed 30 tons, with a ramp in the front and equipped with two diesel motors of 86 BHP each. It was capable of transporting 36 tons at 20 km/h, had a crew of 1 NCO and 9 EM and was fitted with a 20mm AA gun and a LMG. Although capable of transporting vehicles onto beaches, it was not used for assault purposes (such as with the Allies), but merely to support and supply the company on the water. It was transported in two halves by rail. (It resembled the Allied LCM).

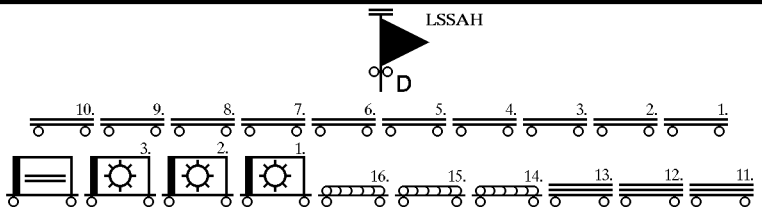
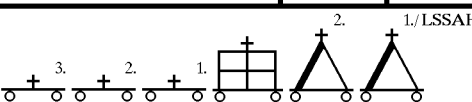
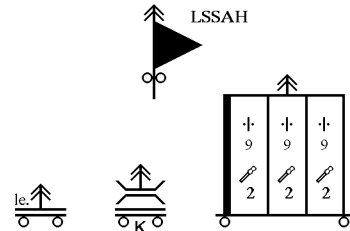
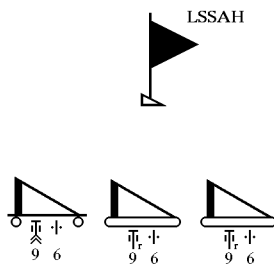
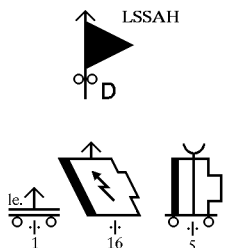
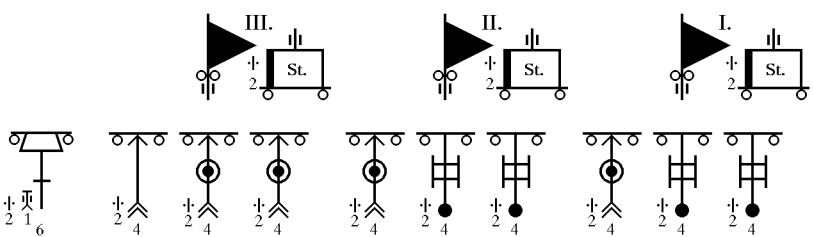
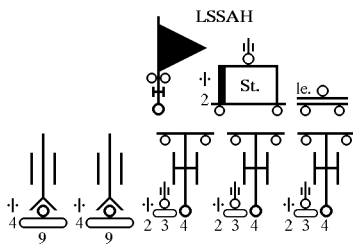
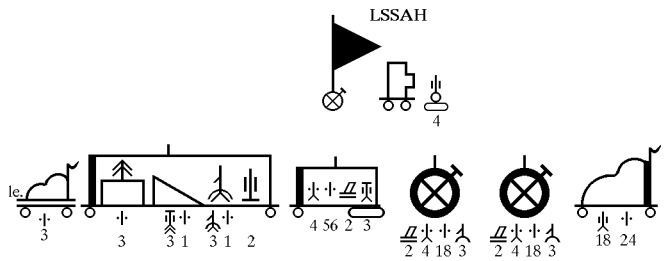
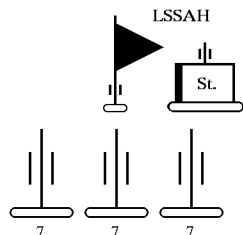
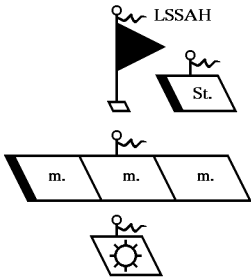
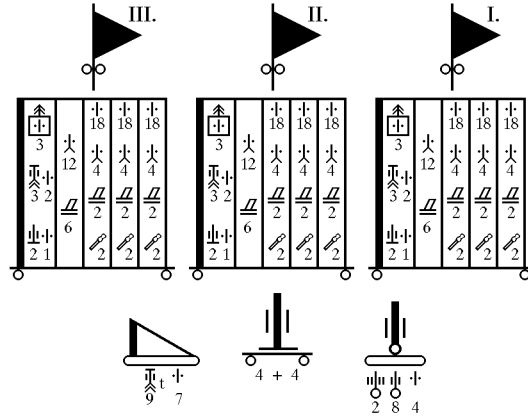
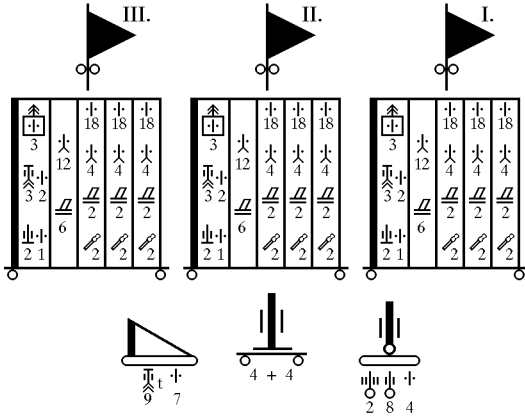
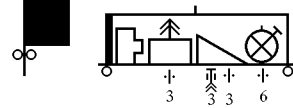
Leibstandarte SS Adolf Hitler

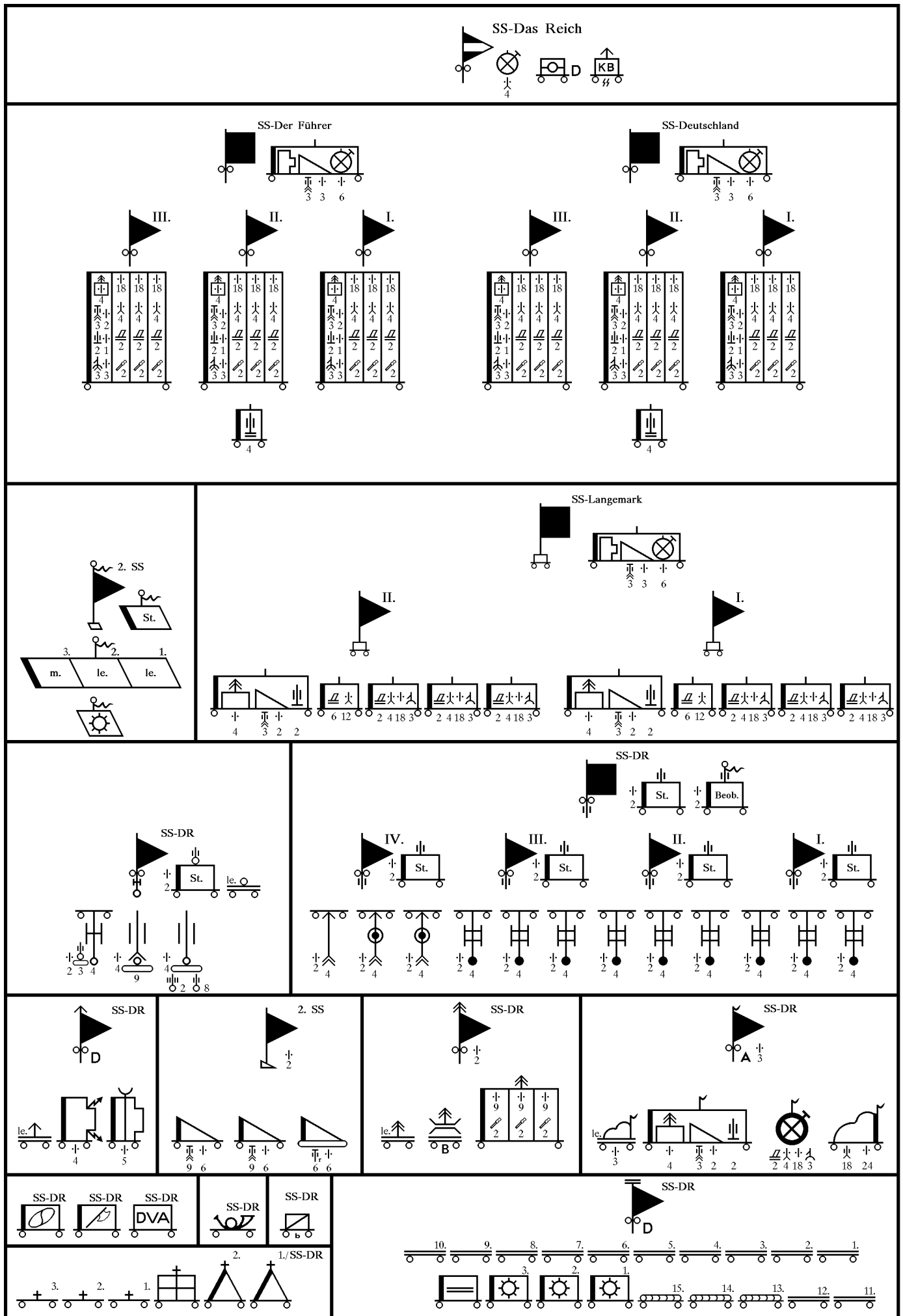


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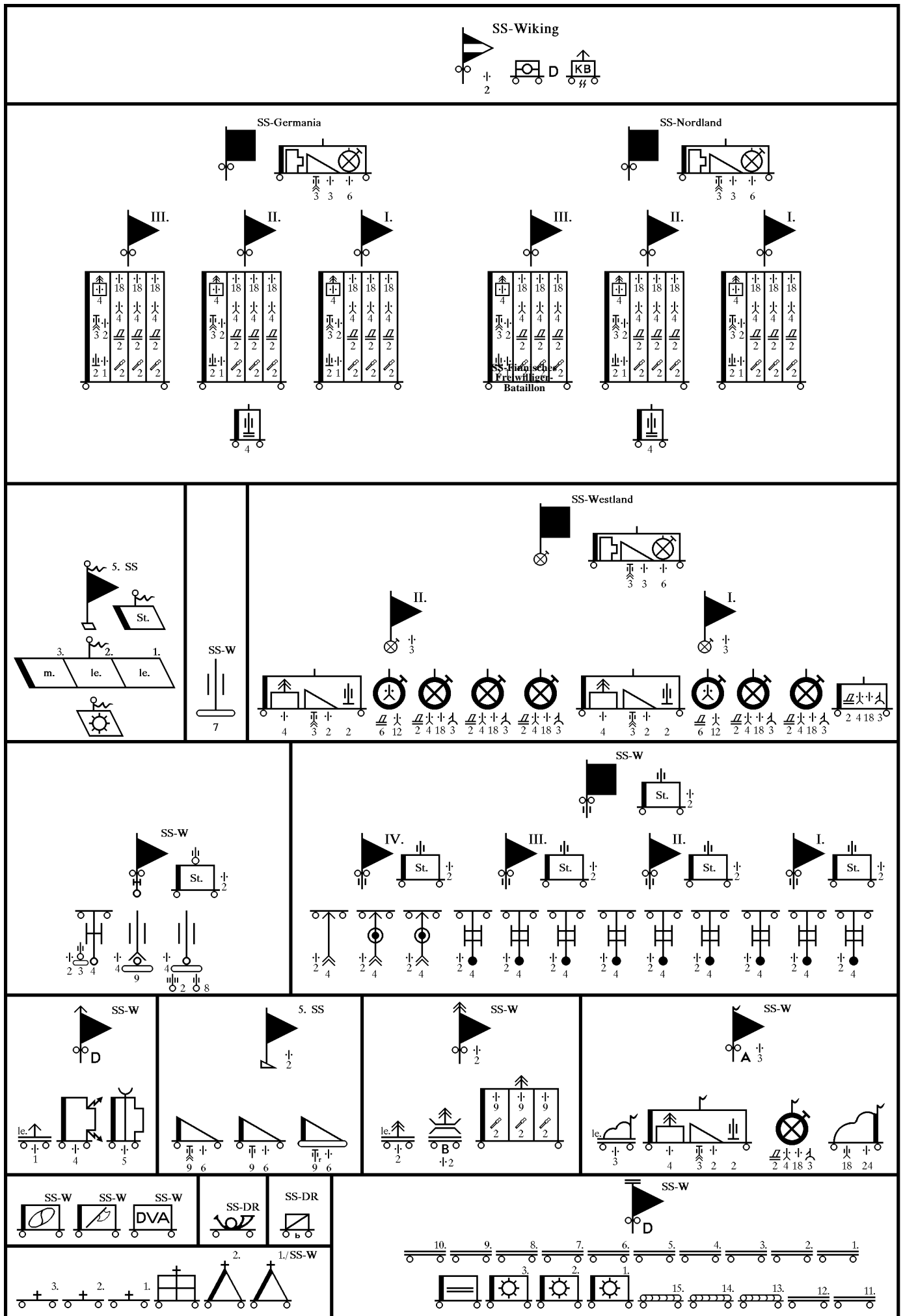
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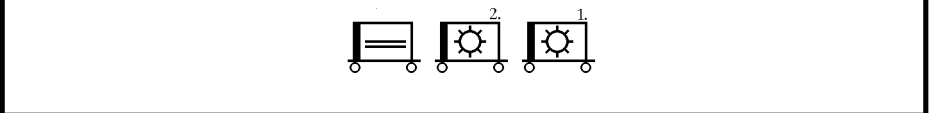
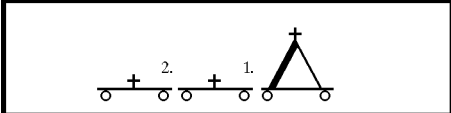
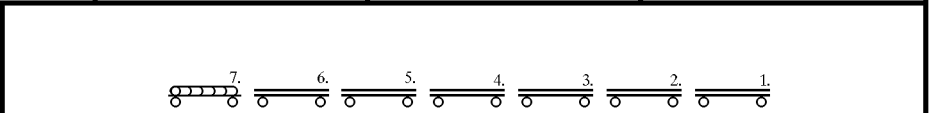
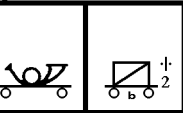
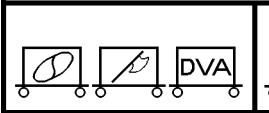
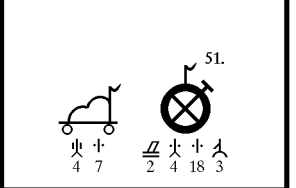
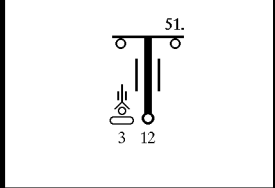
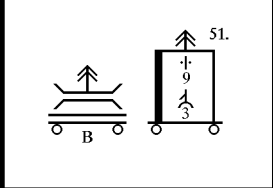
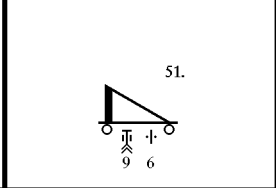
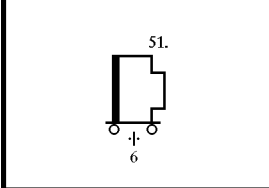
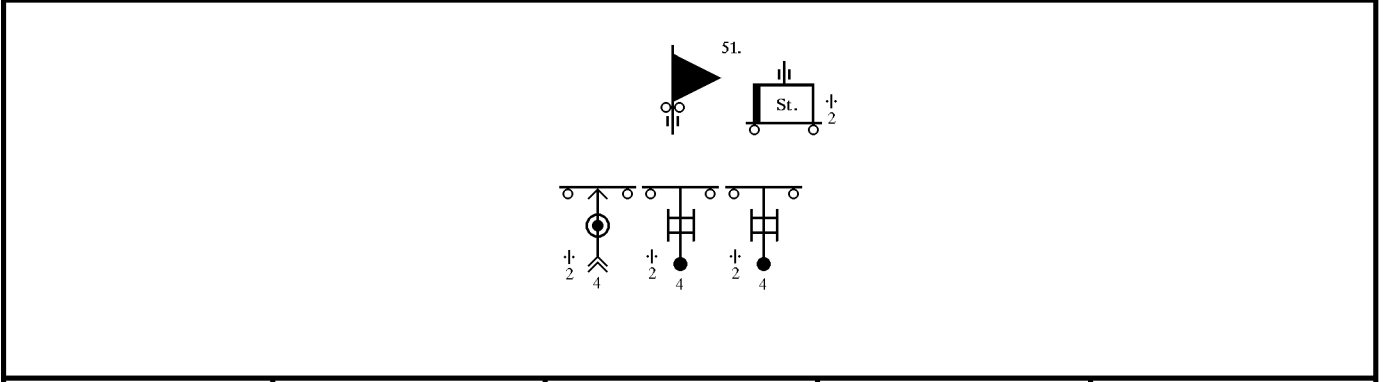
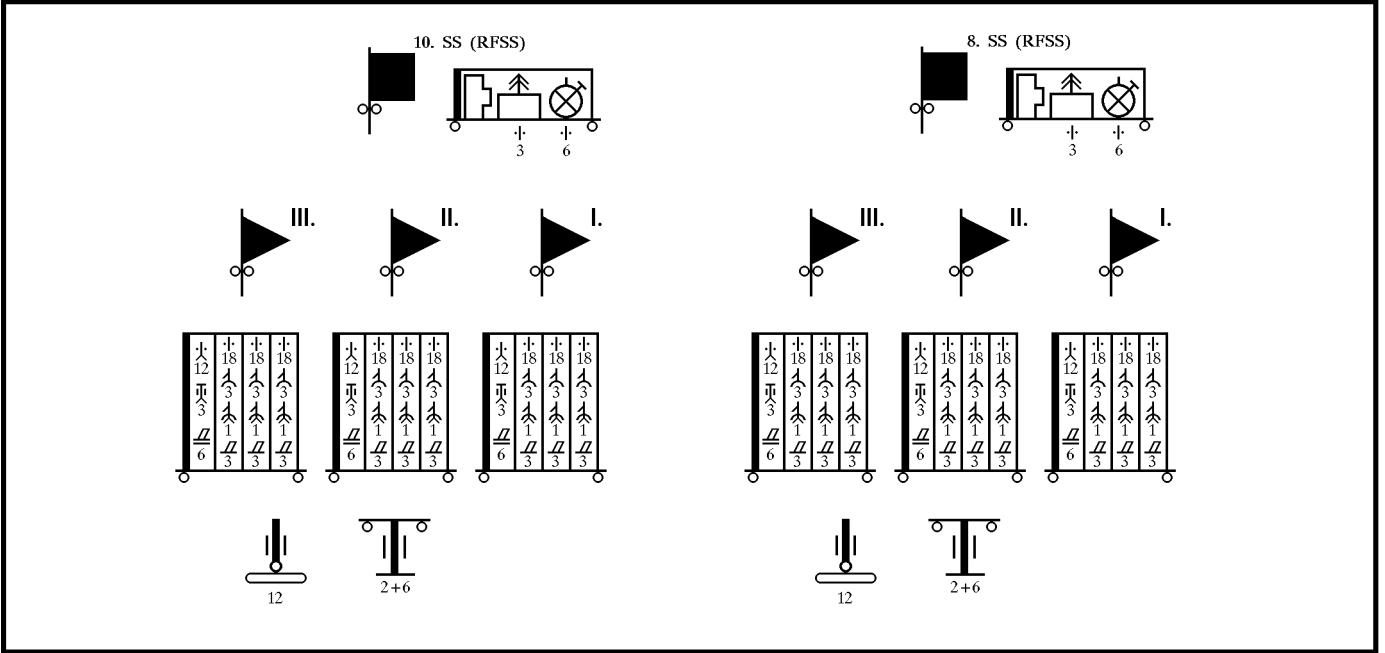
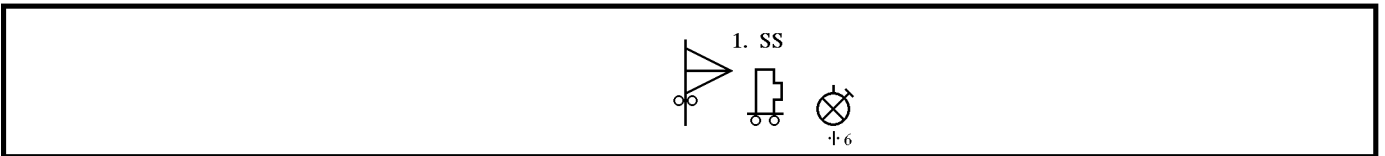
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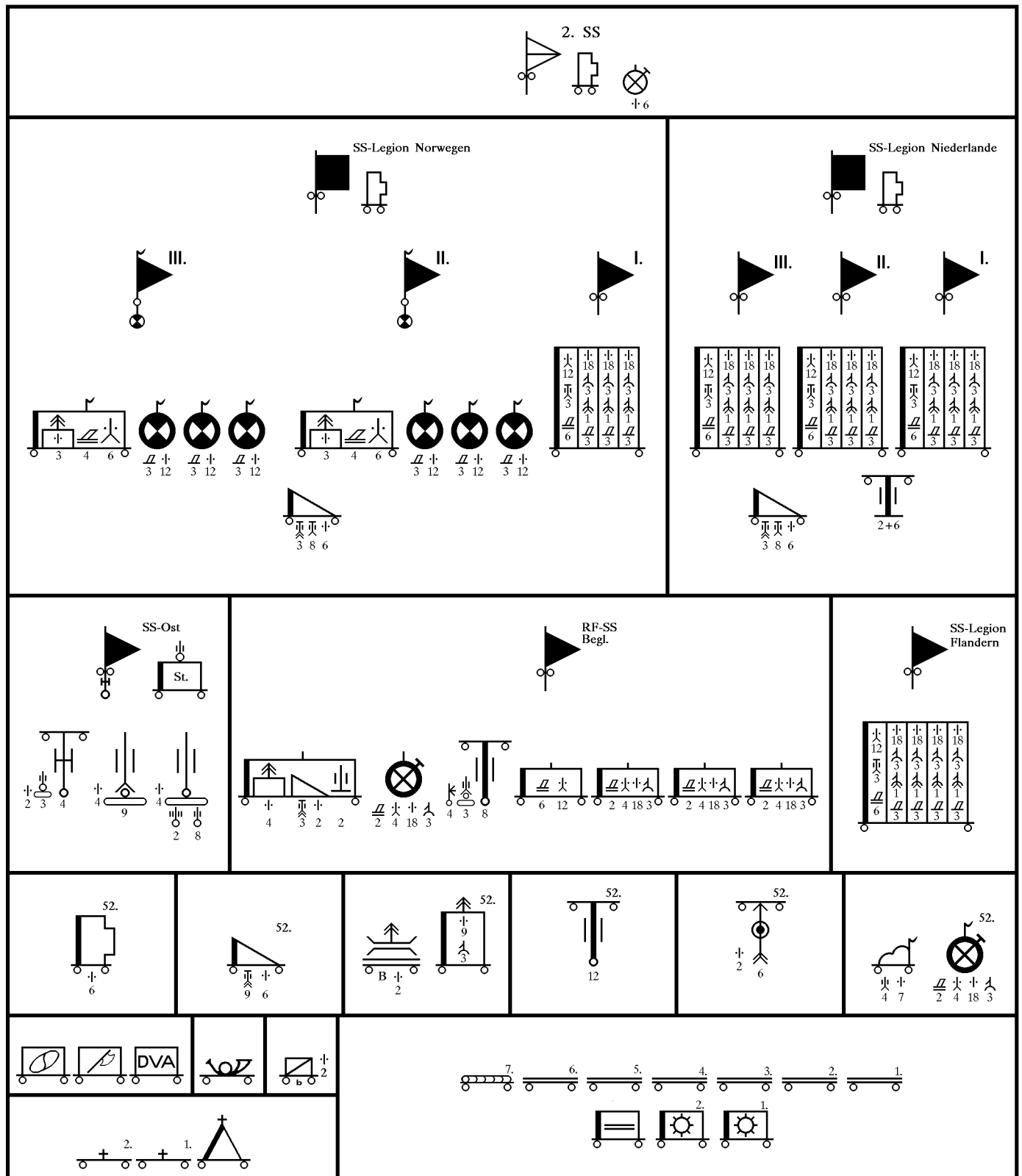
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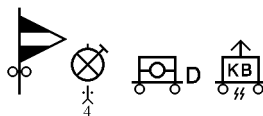
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**STAB, SS-INFANTRIE-DIVISION (motorisiert)
Headquarters, SS-Infantry Division (motorized)**



- KStN 51 Headquarters, Infantry Division (motorized)**
1.11.1941 Div Hqs: (19 Off; 12 GSO; 29 NCO; 67 EM).
Mcl Det: Hqs Sect: 5 mcl; 1 mcl w/sc.
5 Sect: 5 mcl; 1 mcl w/sc.
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Motor Pool: 3 mcl; 5 cars (light); 5 cars (medium); 4 cars (15); 1 car (21);
5 trucks (light); 6 trucks (medium); 2 buses (light); 1 bus (medium – converted to office use).
- ex KStN 1118 Motorcycle Machine Gun Platoon**
1.02.1941 Hqs Sect: 3 mcl; 1 mcl w/sc; 1 car (11); 1 car (15).
2 Sect: 4 mcl w/sc; 1 Motorcycle HMG Section; 1 HMG.
2 Sect: 3 mcl w/sc; 1 Motorcycle HMG Section; 1 HMG.
- KStN 2076 Motorized Mapping Detachment**
1.01.1942 Det: 2 cars (1); 1 bus (medium – converted to office use); 1 van (2-ton).
- KStN SS *) Motorized SS-War Correspondent Detachment**
(?) Det: 2 mcl; 2 mcl w/sc; 4 cars (2); 8 cars (medium); 4 vans (17); 1 truck (light); 4 trucks (medium).

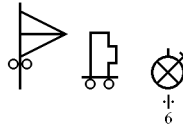
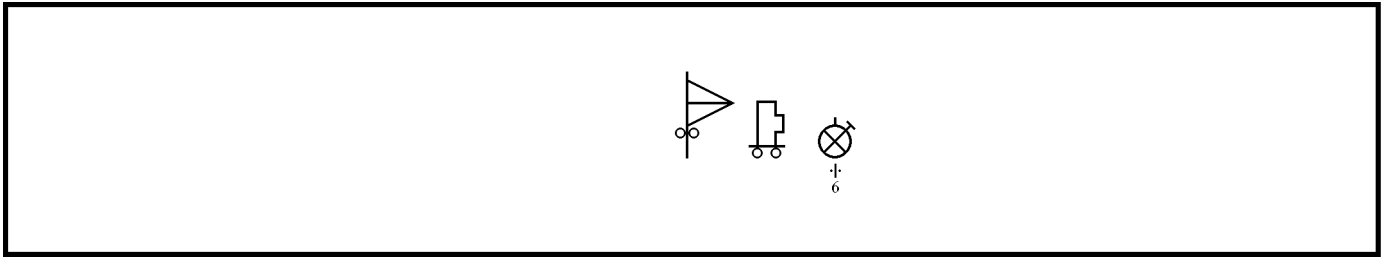
NOTES:

Both the Leibstandarte SS Adolf Hitler and SS Das Reich had a Motorcycle MG Platoon.

| Formation | Activated | Commanded by | Assigned to |
|----------------------|-----------|-----------------------------------|---|
| LSSAH Division (mot) | 27.10.40 | SS-Ogruf. Josef ("Sepp") Dietrich | XIV Pz Corps, Gr. von Förster, Army Group South |
| SS-DR Division (mot) | 15.11.40 | SS-Brigf. Georg Keppler | 7th Army Reserves, Army Group D |
| SS-T Division (mot) | 15.10.40 | SS-Gruf. Theodor Eicke | IInd Corps, 16th Army, Army Group North |
| SS-W Division (mot) | 6.08.40 | SS-Gruf. Felix Steiner | XIV Pz Corps, Gr. von Förster, Army Group South |

SS-Standf. = SS-Standartenführer (US equivalent is Colonel)
 SS-Brigf. = SS-Brigadeführer (US equivalent is Brigadier General)
 SS-Gruf. = SS-Gruppenführer (US equivalent is Major General)
 SS-Ogruf. = SS-Obergruppenführer (US equivalent is Lieutenant General)

STAB, SS-INFANTERIE-BRIGADE (motorisiert)
Headquarters, SS-Infantry Brigade (motorized)



KStN 54 Headquarters, Motorized Infantry Brigade

1.11.1941 Brig Hqs: 6 mcl; 4 mcl w/sc; 2 cars (15); 1 car (21).
 Brig Hqs Trains: 2 trucks (2-ton); 1 truck (3-ton).

ex-KStN 129 Signal Platoon

1.11.1941 Hqs Sect: 1 mcl; 1 mcl w/sc; 3 cars (15).
 2 Lt Tele Sect *d*: 1 car (15).
 4 Pack Radio Sect *d*: ride in Headquarters Section vehicles.
 4 Lt Radio Sect *e*: 1 van (17).

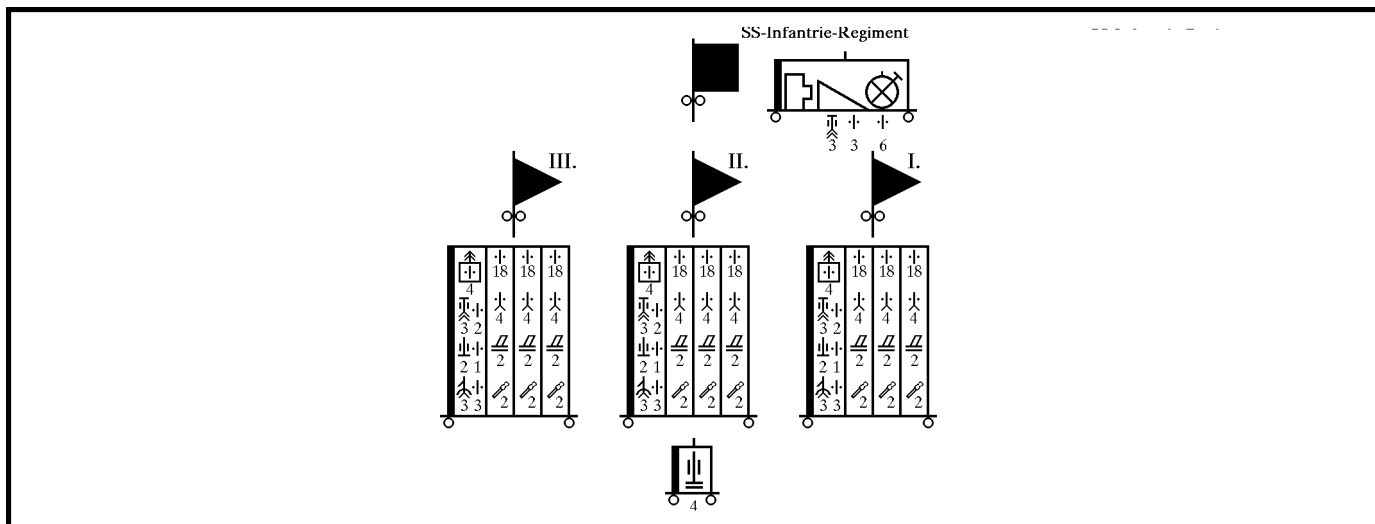
ex-KStN 129 Motorcycle Reconnaissance Platoon

1.11.1941 Hqs Sect: 1 mcl; 2 cars (15).
 3 Recon Sqd: 1 mcl; 4 mcl w/sc; 1 Reconnaissance Squad with 2 LMG.
 1 Messenger Sect: 8 mcl.

| Formation | Activated | Commanded by | Assigned to |
|----------------------|-----------|--------------------------------|---|
| 1st SS Brigade (mot) | 15.07.41 | SS-Brigf. Gottfried Klingemann | XIV Pz Corps, Gr. von Förster, Army Group South |
| 2nd SS Brigade (mot) | 25.05.41 | SS-Standf. Lothar Debes | XXXVIII Army Corps, 18th Army, Army Group North |

SS-Standf. = SS-Standartenführer (US equivalent is Colonel)
 SS-Brigf. = SS-Brigadeführer (US equivalent is Brigadier General)
 SS-Gruf. = SS-Gruppenführer (US equivalent is Major General)
 SS-Ogruf. = SS-Obergruppenführer (US equivalent is Lieutenant General)

SS-INFANTERIE-REGIMENT
Motorized SS Infantry Regiment



KStN 1104 Headquarters, Motorized Infantry Regiment

1.11.1941 Rgt Hqs: 4 mcl; 2 mcl w/sc; 2 cars (15).

KStN 1153 Headquarters Company, Motorized Infantry Regiment

1.11.1941

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

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

3 Sqd: 4 mcl w/sc; 1 Scout Squad w/ 2 LMG.

ATG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 halftrack (10).

Gun Sect: 4 halftracks (10); 3 ATG (50mm – towed); 1 trailer (ammo); 3 LMG.

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

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

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

2 Lt Armd Radio Sect d: 1 AC (261).

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

Co Trains: 1 mcl; 2 cars (light); 1 car (15); 2 trucks (light); 2 trucks (medium); 1 bus (medium/33 seats).

KStN 1120 Motorized Infantry Gun Company

1.11.1941

Co Hqs: 3 mcl; 2 mcl w/sc; 2 halftracks (10).

Signal Det: 2 Lt Tele Sect c: ride in one of the Company Headquarters halftracks (10).

Ammo Det: 2 halftracks (10); 2 trailers (ammo).

2 Hvy IG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 halftrack (10).

Gun Sect: 4 halftracks (10); 2 hvy IG (150mm - towed); 2 trailers (ammo).

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

Co Trains: 1 car (15); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton).

NOTES:

The standard Motorized SS-Infantry Regiments as found in the SS-Das Reich, SS-Totenkopf, and SS-Wiking Divisions had three infantry battalions, each with three infantry and one heavy companies. There was one Infantry Gun Company per regiment with two heavy infantry gun platoons (KStN 1120).

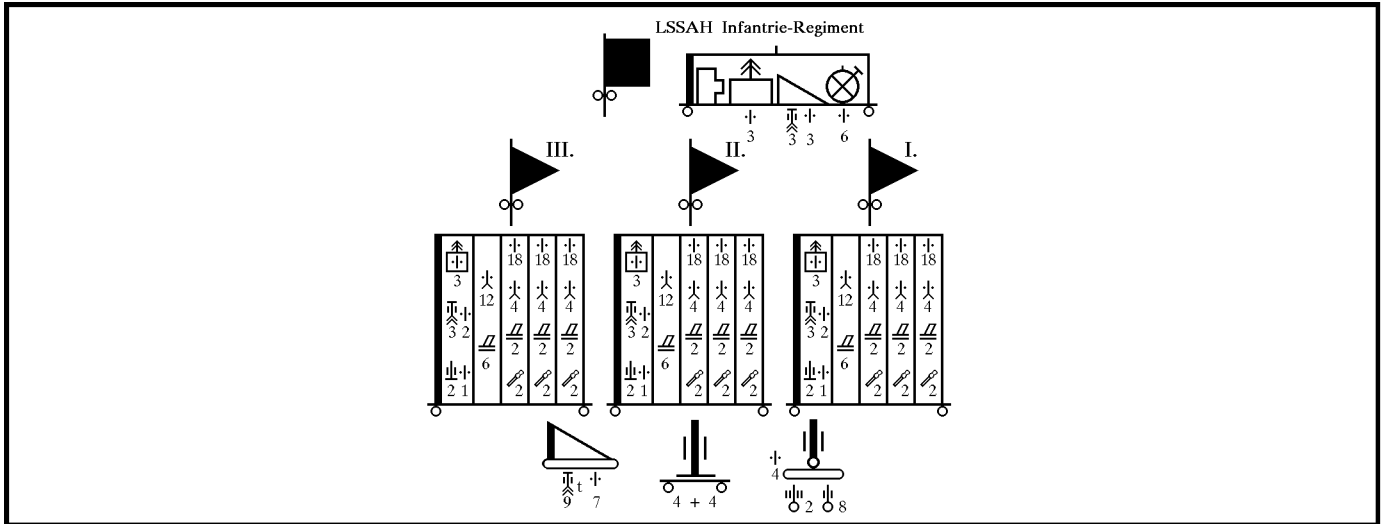
The SS-Totenkop Division also had the *Freikorps Danmark* (also variously designated as *SS-Freikorps Danmark* and *SS-Bataillon Danmark* in the divisional history) attached. It was organized as a standard infantry battalion, although it had two Light Infantry Gun Platoons.

It seems that only the Das Reich Division had an Armored Infantry Battalion (III./*Der Führer* Regiment).

SS-INFANTERIE-REGIMENT
Motorized SS Infantry Regiment

- KStN 1108** **Headquarters, Motorized Infantry Battalion**
1.11.1941 Bn Hqs: 5 mcl; 2 mcl w/sc; 3 cars (15).
Signal Det: Hqs Sect: 1 car (15).
 1 Lt Tele Sect c: 1 car (15).
 2 Pack Radio Sect d: 1 car (2).
 2 Lt Radio Sect d: 1 van (17).
Bn Hqs Trains: 1 mcl w/sc; 1 car (15); 1 truck (2-ton); 1 truck (medium); truck (3-ton); 1 ambulance (31).
Bn Maint Det: 1 mcl w/sc; 1 car (2/40); 1 car (light); 3 trucks (3-ton).
Bn Trains: 1 mcl; 2 cars (light); 2 trucks (light); 1 truck (medium); 5 trucks (3-ton).
- KStN 1114** **Motorized Infantry Company**
1.11.1941 Co Hqs: 3 mcl; 2 mcl w/sc; 1 car (15).
3 Inf Plt: Hqs Sect: 1 mcl; 1 car (15).
 3 Inf Sqd: 2 trucks (70); 1 Infantry Squad w/ 2 LMG.
1 Hvy Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15).
 2 HMG Sect: 2 trucks (70); 2 HMG.
 1 Mortar Sect: 3 trucks (70); 2 mortars (81mm).
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Co Trains: 1 car (15); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton).
- KStN 1121** **Motorized Heavy Company**
1.11.1941 Co Hqs: 3 mcl; 2 mcl w/sc; 1 car (15).
Lt Tele Sect c: 1 car (15).
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Co Trains: 1 car (15); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton).
- KStN 1122a** **Motorized Heavy Company**
1.12.1941 ATG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15).
 Ammo Sect: 2 halftracks (10); 2 trailers (ammo).
 Gun Sect: 3 halftracks (10); 3 ATG (50mm-towed); 3 LMG.
- KStN 1123** **Motorized Heavy Company**
1.11.1941 IG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 truck (69).
 Ammo Sect: 1 truck (69); 1 trailer (ammo).
 Gun Sect: 1 trucks (69); 2 lt IG (75mm – towed).
- KStN 1124** **Motorized Heavy Company**
1.11.1941 Engr Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15); 2 trucks (2-ton).
 3 Engr Sect: 1 truck (2-ton); 1 Engineer Section w/ 1 LMG.
 1 Engr Sect: 1 truck (2-ton); 1 Engineer Section.
- KStN 1127** **Motorized Heavy Company**
1.11.1941 ATG Sect: 1 mcl w/sc; 3 trucks (70); 3 ATG (28mm – towed); 3 LMG.
- KStN 1108(gp)** **Headquarters, Armored Infantry Battalion**
1.11.1941 Co Hqs: 5 mcl; 1 mcl w/sc; 2 cars (15); 2 SPW (250/3).
Signal Det: Hqs Sect: 1 SPW (250/2).
 1 Lt Armd Tele Sect c: 1 SPW (250/2).
 2 Armd Pack Radio Sect d: ride together in one SPW (250/3).
 2 Lt Armd Radio Sect d: 1 SPW (250/3).
Bn Hqs Trains: 1 mcl w/sc; 1 car (15); 1 truck (2-ton); 1 truck (medium); truck (3-ton); 1 ambulance (31).
Bn Maint Det: 1 mcl w/sc; 1 car (2/40); 1 car (light); 4 trucks (3-ton).
Bn Trains: 1 mcl; 2 cars (light); 2 trucks (light); 1 truck (medium); 5 trucks (3-ton).
- KStN 1114(gp)** **Armored Infantry Company**
1.11.1941 Co Hqs: 3mcl; 1 mcl w/sc; 2 SPW (250/3).
3 Inf Plt: Hqs Sect: 1 mcl; 1 SPW (251/10 with 37mm ATG).
 3 Inf Sqd: 1 SPW (251/1); 1 Infantry Squad w/ 2 LMG.
1 Hvy Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 SPW (251/1).
 2 HMG Sect: 1 SPW (251/1); 2 HMG.
 1 Mortar Sect: 2 SPW (251/2 with 81mm mortar).
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Co Trains: 1 car (15); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton).
- KStN 1121a(gp)** **Armored Heavy Company**
1.11.1941 Co Hqs: 2 mcl; 2 mcl w/sc; 1 SPW (250/3).
Lt Armd Tele Sect c: 1 SPW (250/2).
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Co Trains: 1 car (15); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton).
- KStN 1122a(gp)** **Armored Heavy Company**
1.12.1941 ATG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 SPW (250/1).
 Gun Sect: 4 SPW (251/1); 3 ATG (50mm-towed); 3 LMG.
- KStN 1123(gp)** **Armored Heavy Company**
1.11.1941 IG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 SPW (250/1).
 Gun Sect: 3 SPW (251/4); 2 lt IG (75mm – towed).
- KStN 1124(gp)** **Armored Heavy Company**
1.11.1941 Engr Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 SPW (250/1); 2 trucks (2-ton).
 4 Engr Sect: 1 SPW (251/5); 1 Engineer Section w/ 1 LMG.

LSSAH-INFANTRIE-REGIMENT
Motorized LSSAH Infantry Regiment



KStN 103c
 1.11.1941

Headquarters, Infantry Regiment (motorized)
 Rgt Hqs: 5 mcl; 2 mcl w/sc; 2 cars (12).

KStN 129
 1.11.1941

Headquarters Company, Infantry Regiment (motorized)
 Co Hqs: 2 mcl; 2 mcl w/sc; 1 car (12)
 Motorcycle Plt: Hqs Sect: 1 mcl; 2 cars (15).
 3 Recon Sqd: 1 mcl; 4 mcl w/sc; 1 Reconnaissance Squad with 2 LMG.
 1 Messenger Sect: 8 mcl.
 Anti-Tank Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 halftrack (10).
 Gun Sect: 4 halftracks (10); 3 ATG (50mm - towed); 1 trailer (ammo); 3 LMG.
 Engineer Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15).
 3 Engr Sect: 1 mcl; 2 trucks (2-ton); 1 Engineer Section with 1 LMG.
 Signal Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 3 cars (15).
 2 Lt Tele Sect d: 1 car (15).
 4 Pack Radio Sect d: ride in Headquarters Section vehicles.
 4 Lt Radio Sect e: 1 van (17).
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Co Trains: 1 mcl; 2 cars (light); 4 trucks (light); 1 truck (medium); 1 bus (medium/33 seats).

KStN 174
 1.11.1941

Infantry Gun Company (motorized)
 Co Hqs: 5 mcl; 2 mcl w/sc; 2 cars (15).
 Signal Det: 2 Lt Tele Sect d: 1 car (15).
 2 Pack Radio Sect d: 1 car (2).
 2 Lt IG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (12).
 Gun Sect: 6 cars (12); 2 Lt IG (75mm - towed); 4 trailers (ammo).
 2 Hvy IG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15).
 Gun Sect: 4 halftracks (10); 2 hvy IG (150mm - towed).
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Co Trains: 1 car (light); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton).

KStN 192
 1.02.1941

Self-Propelled Light Infantry Anti-Aircraft Company
 Co Hqs: 4 mcl; 1 car (1); 1 car (15); 1 LMG.
 Signal Det: Hqs Sect: 1 car (15).
 1 Lt Tele Sect c: 1 car (15).
 4 Pack Radio Sect b: 1 car (2).
 2 Mono Plt: Hqs Sect: 4 mcl; 1 car (15); 1 LMG.
 Ammo Sect: 2 halftracks (10/4 without guns).
 Gun Sect: 4 halftracks (10/4 with 20mm Flak); 4 trailers (reserve - for 20mm Flak, but without guns).
 1 Quad Plt: Hqs Sect: 3 mcl; 2 cars (15); 1 LMG.
 Ammo Sect: 2 halftracks (7/1 without guns).
 Gun Sect: 2 halftracks (7/1 with quad 20mm Flak 38); 2 trailers (reserve - for 20mm quad Flak 38, but without guns).
 Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 truck (medium).
 Co Trains: 2 mcl; 1 mcl w/sc; 1 car (15); 2 trucks (light); 2 trucks (2-ton); 2 trucks (3-ton).

KStN 1148
 1.11.1941

Self-Propelled Anti-Tank Company
 Co Hqs: 3 mcl; 1 mcl w/sc; 1 car (15); 1 Pz-I (101).
 Engr Sect: 1 trucks (3-ton); 1 Engineer Section w/ 1 LMG.
 3 ATG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 halftrack (10); 1 trailer (ammo); 1 LMG.
 Gun Sect: 3 SP'd ATG (47mm on Pz-I or Pz-38(t) chassis).
 Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 halftrack (10).
 Co Trains: 1 mcl; 1 mcl w/sc; 1 car (light); 2 trucks (light); 2 trucks (2-ton); 5 trucks (3-ton); 2 trailers (ammo).

LSSAH-INFANTRIE-REGIMENT
Motorized LSSAH Infantry Regiment

KStN 115c

1.11.1941

Headquarters, Infantry Battalion (motorized)

Bn Hqs: 4 mcl; 2 mcl w/sc; 1 car (1); 2 cars (15).

Signal Det: Hqs Sect: 1 car (15); 1 truck (2-ton).

2 Lt Tele Sect *d*: ride in Headquarters Section truck (2-ton).2 Pack Radio Sect *d*: ride in Headquarters Section truck (2-ton).2 Pack Radio Sect *d*: 1 car (2).

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

Co Trains: 1 mcl; 1 mcl w/sc; 3 cars (light); 1 truck (light); 4 trucks (medium); 6 trucks (3-ton); 1 ambulance (31).

KStN 1114

1.11.1941

Motorized Infantry Company

Co Hqs: 3 mcl; 2 mcl w/sc; 1 car (15).

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

3 Inf Sqd: 2 trucks (70); 1 Infantry Squad w/ 2 LMG.

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

2 HMG Sect: 2 trucks (70); 2 HMG.

1 Mortar Sect: 3 trucks (70); 2 mortars (81mm).

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

Co Trains: 1 car (15); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton).

KStN 162

1.02.1941

Machine Gun Company (motorized) / Gross-Deutschland

Co Hqs: 1 mcl; 4 mcl; 2 mcl w/sc; 3 cars (15).

3 MG Plt: Hqs Sect: 1 mcl w/sc; 2 cars (15).

2 MG Sect: 1 truck (medium); 2 HMG.

1 Mortar Plt: Hqs Sect: 1 mcl; 2 cars (11).

3 Mortar Sect: 2 trucks (medium); 2 mortars (81mm).

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

Co Trains: 2 mcl; 1 mcl w/sc; 1 car (light); 3 trucks (light); 1 truck (medium).

KStN 163 *)

15.02.1942

Heavy Company (motorized) / Gross-Deutschland

Co Hqs: 4 mcl; 1 mcl w/sc; 1 car (15).

Signal Det: 1 Lt Tele Sect *d*: 1 car (15).2 Pack Radio Sect *d*: 1 car (2).

Engineer Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15); 1 truck (3-ton).

3 CE Sect: 1 mcl; 2 trucks (2-ton); 1 Engineer Section with 1 LMG.

Anti-Tank Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 truck (69).

Gun Sect: 5 trucks (69); 3 ATG (50mm - towed); 2 trailers (ammo); 3 LMG.

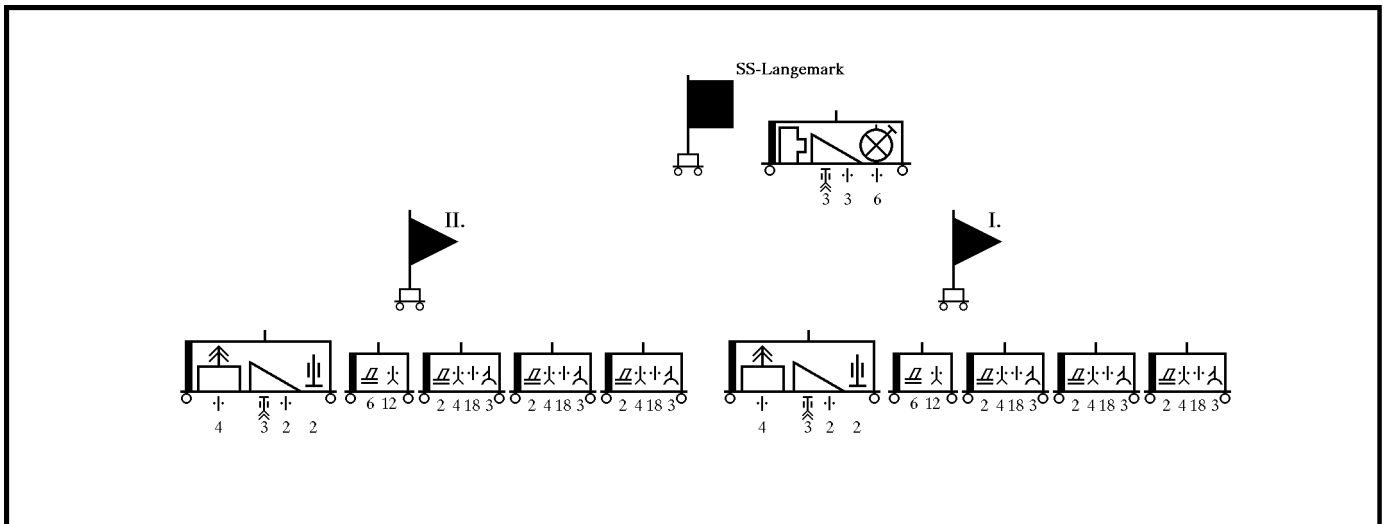
Infantry Gun Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 halftrack (10); 1 LMG.

Gun Sect: 3 halftracks (10); 2 lt IG (75mm - towed); 1 trailer (ammo).

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

Co Trains: 2 mcl; 1 mcl w/sc; 1 car (light); 3 trucks (light); 1 truck (medium).

SS-INFANTRIE-REGIMENT *Langemark*
Motorized SS Infantry Regiment Langemark



KStN 1104
1.11.1941

Headquarters, Motorized Infantry Regiment
Rgt Hqs: 4 mcl; 2 mcl w/sc; 2 cars (15).

KStN 1153
1.11.1941

Headquarters Company, Motorized Infantry Regiment

Co Hqs: 2 mcl; 2 mcl w/sc; 1 car (15).
 Motorcycle Plt: Hqs Sect: 3 mcl; 2 cars (15).
 3 Sqd: 4 mcl w/sc; 1 Scout Squad w/ 2 LMG.
 ATG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 halftrack (10).
 Gun Sect: 4 halftracks (10); 3 ATG (50mm – towed); 1 trailer (ammo); 3 LMG.
 Signal Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15).
 1 Lt Tele Sect *c*: 1 car (15).
 4 Pack Radio Sect *b*: 1 car (2).
 2 Lt Armd Radio Sect *d*: 1 AC (261).
 Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 car (light); 2 trucks (3-ton).
 Co Trains: 1 mcl; 2 cars (light); 1 car (15); 2 trucks (light); 2 trucks (medium); 1 bus (medium/33 seats).

KStN 1109
1.11.1941

Headquarters, Motorcycle Infantry Battalion

Bn Hqs: 8 mcl; 2 mcl w/sc; 2 cars (15); 1 AC (247).
 Signal Det: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15).
 1 Lt Tele Sect *c*: 1 car (15).
 2 Pack Radio Sect *b*: 1 car (2).
 4 Lt Armd Radio Sect *d*: 1 AC (260).
 3 Med Armd Radio Sect *d*: 1 car (15); 1 AC (263).
 Bn Hqs Trains: 1 mcl w/sc; 1 car (light); 1 truck (2-ton); 2 trucks (3-ton); 1 ambulance (31).
 Bn Maint Det: 1 mcl; 1 mcl w/sc; 1 car (2/40); 1 car (15); 5 trucks (2-ton).
 Bn Trains: 1 mcl; 2 cars (light); 1 truck (2-ton); 2 trucks (medium); 6 trucks (3-ton).

KStN 1113
18.03.1942

Motorized Infantry Company (Volkswagen)

Co Hqs: 3 mcl; 3 VW (1).
 3 Inf Plt: Hqs Sect: 1 mcl; 2 VW (1).
 3 Inf Sqd: 4 VW (1); 1 Infantry Squad w/ 2 LMG.
 1 Hvy Plt: Hqs Sect: 1 mcl; 3 VW (1).
 2 HMG Sect: 7 VW (1); 2 HMG.
 1 Mortar Sect: 3 trucks (70); 2 mortars (81mm).
 Maint Sect: 1 VW (1); 1 VW (2/40).
 Co Trains: 1 VW (1); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton).

KStN 1116
1.02.1941

Motorized Machine Gun Company

Co Hqs: 3 mcl; 1 mcl w/sc; 1 car (15).
 2 Lt Tele Sect *c*: 1 car (15).
 3 HMG Plt: Hqs Sect: 1 mcl w/sc; 2 cars (15).
 2 HMG Sect: 2 cars (70); 2 HMG.
 1 Mortar Plt: Hqs Sect: 1 mcl w/sc; 1 car (15).
 2 Mortar Sect: 3 trucks (70); 2 mortars (81mm).
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Co Trains: 1 mcl w/sc; 1 car (15); 1 truck (light); 3 trucks (2-ton); 1 truck (medium).

KStN 1121
1.11.1941

Motorized Heavy Company

Co Hqs: 3 mcl; 2 mcl w/sc; 1 car (15).
 Lt Tele Sect *c*: 1 car (15).
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Co Trains: 1 car (15); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton).

KStN 1122a
1.12.1941

ATG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15).
 Gun Sect: 5 halftracks (10); 3 ATG (50mm-towed); 2 trailers (ammo); 2 LMG.

KStN 1123
1.11.1941

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

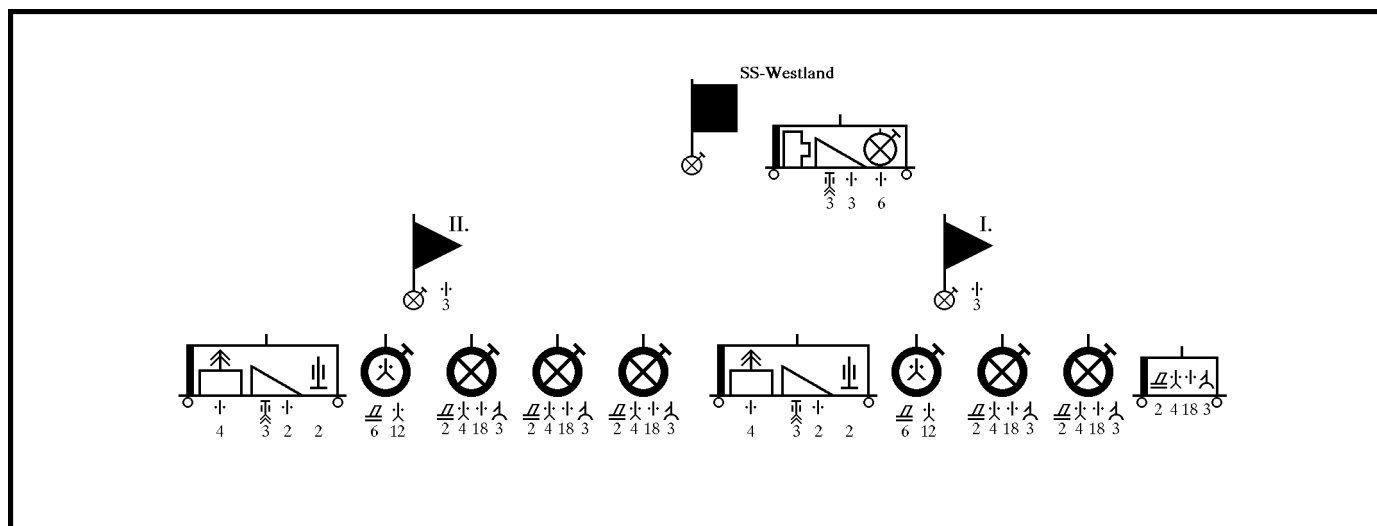
KStN 1124
1.11.1941

Engr Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15); 2 trucks (2-ton).
 4 Engr Sect: 1 truck (2-ton); 1 Engineer Section w/ 1 LMG.

NOTES:

This organization applied only to the SS-Infantry Regiment *Langemark* of the SS-Das Reich Division.

SS-INFANTERIE-REGIMENT *Westland*
Motorized SS Infantry Regiment *Westland*



KSStN 1104
1.11.1941

Headquarters, Motorized Infantry Regiment
Rgt Hqs: 4 mcl; 2 mcl w/sc; 2 cars (15).

KSStN 1153
1.11.1941

Headquarters Company, Motorized Infantry Regiment
Co Hqs: 2 mcl; 2 mcl w/sc; 1 car (15).
Motorcycle Plt: Hqs Sect: 3 mcl; 2 cars (15).
3 Sqd: 4 mcl w/sc; 1 Scout Squad w/ 2 LMG.
ATG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 halftrack (10).
Gun Sect: 4 halftracks (10); 3 ATG (50mm – towed); 1 trailer (ammo); 3 LMG.
Signal Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15).
1 Lt Tele Sect c: 1 car (15).
4 Pack Radio Sect b: 1 car (2).
2 Lt Armd Radio Sect d: 1 AC (261).
Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 car (light); 2 trucks (3-ton).
Co Trains: 1 mcl; 2 cars (light); 1 car (15); 2 trucks (light); 2 trucks (medium); 1 bus (medium/33 seats).

KSStN 1109
1.11.1941

Headquarters, Motorcycle Infantry Battalion
Bn Hqs: 8 mcl; 2 mcl w/sc; 2 cars (15); 1 AC (247).
Signal Det: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15).
1 Lt Tele Sect c: 1 car (15).
2 Pack Radio Sect b: 1 car (2).
4 Lt Armd Radio Sect d: 1 AC (260).
3 Med Armd Radio Sect d: 1 car (15); 1 AC (263).
Bn Hqs Trains: 1 mcl w/sc; 1 car (light); 1 truck (2-ton); 2 trucks (3-ton); 1 ambulance (31).
Bn Maint Det: 1 mcl; 1 mcl w/sc; 1 car (2/40); 1 car (15); 5 trucks (2-ton).
Bn Trains: 1 mcl; 2 cars (light); 1 truck (2-ton); 2 trucks (medium); 6 trucks (3-ton).

KSStN 1112
1.11.1941

Motorcycle Infantry Company
Co Hqs: 4 mcl; 2 mcl w/sc; 1 car (15).
3 Mcl Plt: Hqs Sect: 1 mcl; 2 cars (15).
3 Mcl Sect: 4 mcl w/sc; 1 Infantry Squad with 2 LMG.
1 Hvy Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 2 cars (15).
2 HMG Sect: 8 mcl w/sc; 2 HMG.
1 Mortar Sect: 3 trucks (70); 2 mortars (81mm).
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Co Trains: 1 car (15); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton).

KSStN 1113
18.03.1942

Motorized Infantry Company (Volkswagen)
Co Hqs: 3 mcl; 3 VW (1).
3 Inf Plt: Hqs Sect: 1 mcl; 2 VW (1).
3 Inf Sqd: 4 VW (1); 1 Infantry Squad w/ 2 LMG.
1 Hvy Plt: Hqs Sect: 1 mcl; 3 VW (1).
2 HMG Sect: 7 VW (1); 2 HMG.
1 Mortar Sect: 3 trucks (70); 2 mortars (81mm).
Maint Sect: 1 VW (1); 1 VW (2/40).
Co Trains: 1 VW (1); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton).

KSStN 1118
1.02.1941

Motorcycle Machine Gun Company
Co Hqs: 3 mcl; 1 mcl w/sc; 1 car (11); 1 car (18).
2 Lt Tele Sect c: 1 car (15).
2 HMG Plt: Hqs Sect: 1 mcl; 3 mcl w/sc; 1 car (15); 1 car (18).
2 Det: 1 Sect: 4 mcl w/sc; 1 HMG.
1 Sect: 3 mcl w/sc; 1 HMG.
Mortar Plt: Hqs Sect: 1 mcl w/sc; 1 car (11).
3 Mortar Sect: 3 trucks (70); 2 mortars (81mm); 2 trailers.
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Co Trains: 1 mcl; 1 mcl w/sc; 1 car (11); 7 trucks (light).

KSStN 1121
1.11.1941

Motorized Heavy Company
Co Hqs: 3 mcl; 2 mcl w/sc; 1 car (15).
Lt Tele Sect c: 1 car (15).
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Co Trains: 1 car (15); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton).

KSStN 1122a
1.12.1941

ATG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15).
Gun Sect: 5 halftracks (10); 3 ATG (50mm-towed); 2 trailers (ammo); 2 LMG.

KSStN 1123
1.11.1941

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

KSStN 1124
1.11.1941

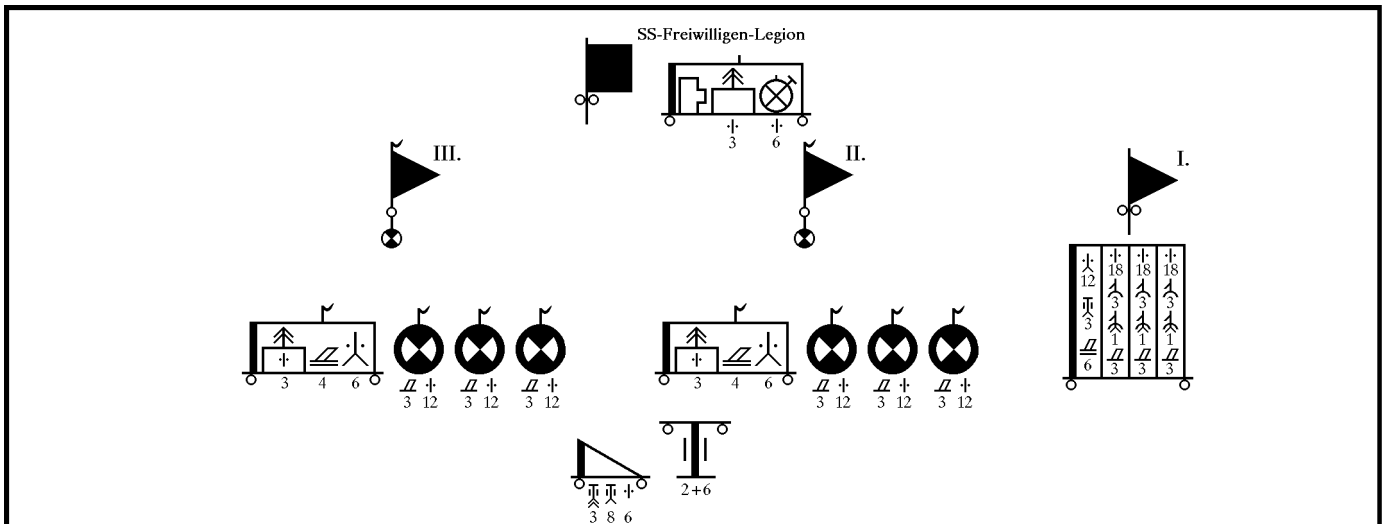
Engr Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15); 2 trucks (2-ton).
4 Engr Sect: 1 truck (2-ton); 1 Engineer Section w/ 1 LMG.

NOTES:

This organization applied to the SS-Infantry Regiment *Westland* of the SS-Wiking Division.

The Motorcycle Battalion of the SS-Totenkopf Division was organized as the IInd Battalion in the above organization, but the MG company was motorized. (See SS-Infantry Regiment *Langemark* on page 62).

SS-FREIWILLIGEN-LEGION (motorisiert)
Motorized SS-Volunteer Legion

**KStN 103c**

1.11.1941

Headquarters, Infantry Regiment (motorized)

Rgt Hqs: 5 mcl; 2 mcl w/sc; 2 cars (12).

KStN 129

1.11.1941

Headquarters Company, Infantry Regiment (motorized)

Co Hqs: 2 mcl; 2 mcl w/sc; 1 car (12)

Motorcycle Plt: Hqs Sect: 1 mcl; 2 cars (15).

3 Recon Sqd: 1 mcl; 4 mcl w/sc; 1 Reconnaissance Squad with 2 LMG.

1 Messenger Sect: 8 mcl.

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

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

Signal Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 3 cars (15).

2 Lt Tele Sect *d*: 1 car (15).4 Pack Radio Sect *d*: ride in Headquarters Section vehicles.4 Lt Radio Sect *e*: 1 van (17).

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

Co Trains: 1 mcl; 2 cars (light); 4 trucks (light); 1 truck (medium); 1 bus (medium/33 seats).

KStN 176

1.11.1941

Infantry Gun Company (motorized)

Co Hqs: 5 mcl; 2 mcl w/sc; 2 cars (15).

Signal Det: 2 Lt Tele Sect *d*: 1 car (15).2 Pack Radio Sect *d*: 1 car (2).

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

Gun Sect: 6 cars (12); 2 Lt IG (75mm – towed); 4 trailers (ammo).

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

Gun Sect: 4 halftracks (10); 2 hvy IG (150mm – towed).

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

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

KStN 184c

1.11.1941

Infantry Anti-Tank Squadron (motorized)

Co Hqs: 3 mcl; 2 mcl w/sc; 1 car (12).

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

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

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

Gun Sect: 5 halftracks (10); 3 ATG (50mm – towed); 2 trailers (ammo); 2 LMG.

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

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

NOTES:

The Waffen-SS included various foreign units. Volunteers from the Netherlands, Belgium, Finland, and Norway were formed into "Legions", a designation encompassing units ranging from battalion to brigade strength. The trend to incorporate foreign volunteers into the Waffen-SS continued throughout the war.

The **SS-Freiwilliger-Legion Niederlande** (with Dutch volunteers) was raised on 12.07.1941. By mid-1942, it had achieved regimental size. It had a motorized regimental headquarters and a signal platoon. The regiment had three standard motorized infantry battalions, an anti-tank company (one medium and two light platoons), as well as an infantry gun company (one heavy and three light platoons). It was assigned to the 2. SS Brigade (motorisiert).

The **SS-Freiwilliger-Legion Flandern** (with Belgian volunteers) was raised on 15.07.1941. By mid-1942, it was a standard motorized infantry battalion, although with an additional infantry company. It was assigned to the 2. SS Brigade (motorisiert).

The **SS-Freiwilliger-Legion Norwegen** (with Norwegian volunteers) was

raised on 1.08.1941. By mid-1942, it had a motorized infantry regiment headquarters with a signal platoon. It had one standard motorized infantry battalion, as well as two standard bicycle infantry battalions (organized under Cavalry Inspectorate KStN). As regimental combat support, it had only one anti-tank company (one medium and two light anti-tank platoons). It was assigned to the 2. SS Brigade (motorisiert).

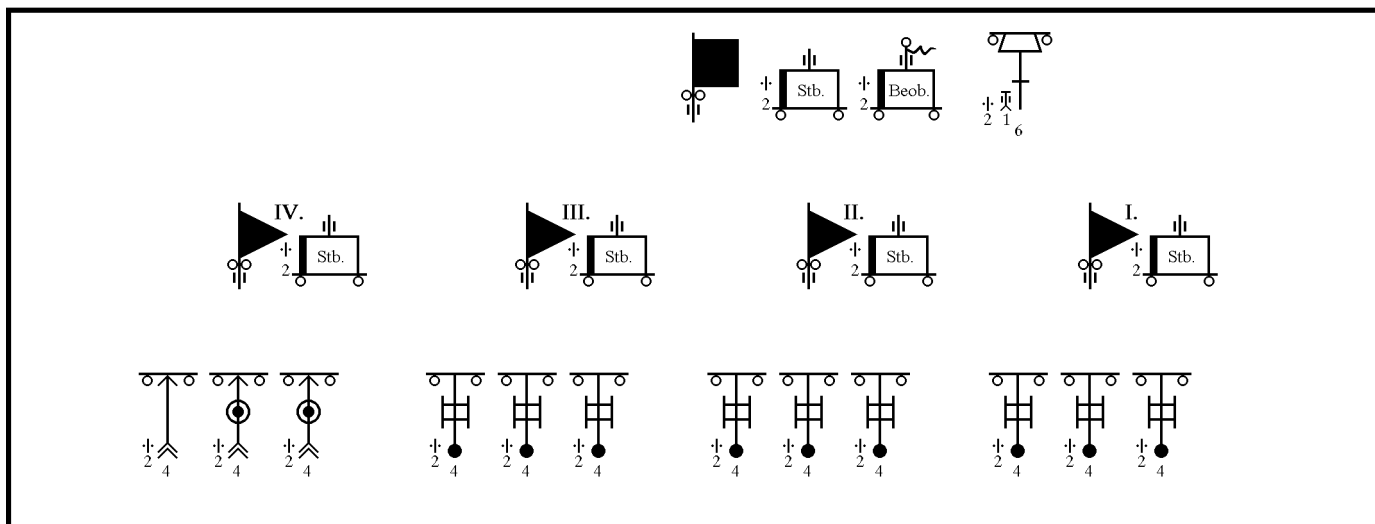
The **SS-Finnisches Freiwilliger-Bataillon** (with Finnish volunteers) was raised on 1.06.1941. By mid-1942, it was a standard motorized infantry battalion, and functioned as the III./SS-Nordland Regiment (SS-Wiking Division).

The **SS-Freikorps Danmark** (with Danish volunteers) was raised on 1.07.1941. By mid-1942 it had achieved battalion size. The organizationally standard motorized infantry battalion normally operated independently, although on 28.06.1942 it was attached to the SS-Totenkopf Division.

SS-FREIWILLIGEN-LEGION (motorisiert)
Motorized SS-Volunteer Legion

- KStN 115c**
1.11.1941 **Headquarters, Infantry Battalion (motorized)**
Bn Hqs: 4 mcl; 2 mcl w/sc; 1 car (1); 2 cars (15).
Signal Det: Hqs Sect: 1 car (15); 1 truck (2-ton).
2 Lt Tele Sect *d*: ride in Headquarters Section truck (2-ton).
2 Pack Radio Sect *d*: ride in Headquarters Section truck (2-ton).
2 Pack Radio Sect *d*: 1 car (2).
Bn Maint Det: 1 mcl w/sc; 1 car (2/40); 1 car (light); 1 truck (light); 2 trucks (3-ton).
Bn Trains: 1 mcl; 1 mcl w/sc; 3 cars (light); 1 truck (light); 4 trucks (medium); 6 trucks (3-ton); 1 ambulance (31).
- KStN 138c**
1.11.1941 **Infantry Company (motorized)**
Co Hqs: 3 mcl; 2 mcl w/sc; 1 car (15).
Anti-Tank Sect: 1 truck (medium); 1 ATG (28mm – towed); 3 ATR.
3 Inf Plt: Hqs Sect: 1 mcl; 2 LMG; personnel ride in Infantry Squad trucks.
4 Inf Sqd: 1 truck (medium); 1 Infantry Squad with 1 LMG.
1 Mortar Sect: 1 mortar (50mm); rides with an Infantry Squad.
Main Sect: 1 mcl w/sc; 1 car (2/40).
CoTrains: 1 car (light); 1 truck (light); 2 trucks (medium).
- KStN 161c**
1.11.1941 **Heavy Company (motorized)**
Co Hqs: 3 mcl; 2 mcl w/sc; 2 cars (15).
2 MG Plt: Hqs Sect: 1 mcl w/sc; 1 car (15).
3 MG Sect: 1 truck (medium); 2 HMG.
1 Mortar Plt: Hqs Sect: 1 mcl; 1 car (11).
3 Mortar Sect: 1 mcl; 2 trucks (medium); 2 mortars (81mm).
1 AT Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 truck (69).
Gun Sect: 4 trucks (69); 3 ATG (37mm – towed); 1 LMG.
Main Sect: 1 mcl w/sc; 1 car (2/40).
Co Trains: 1 car (light); 1 truck (light); 2 trucks (medium).
- KStN 307 *)**
1.11.1941 **Headquarters (motorized), Bicycle Infantry Battalion**
Bn Hqs: Hqs Sect: 5 mcl; 3 mcl w/sc; 2 cars (12).
2 Lt Tele Sect *d*: 1 car (15).
2 Pack Radio Sect *b*: 1 car (2).
Bn Trains: 1 mcl; 1 mcl w/sc; 3 trucks (light); 5 trucks (2-ton).
- KStN 356 *)**
1.11.1941 **Bicycle Infantry Squadron**
Sqdn Hqs: 2 mcl; 1 car (11).
3 Bicycle Plt: Hqs Sect: (on bicycles)
4 Bicycle Sqd: 1 Bicycle Infantry Squad w/ 1 LMG (on bicycles).
1 Mortar Sect: 2 mcl w/sc; 1 mortar (50mm).
Sqdn Trains: 2 mcl; 1 mcl w/sc; 1 car (18); 1 truck (2-ton); 1 truck (light).
- KStN 324**
1.11.1941 **Heavy Squadron (motorized), Bicycle Infantry Battalion**
Sqdn Hqs: 2 mcl; 1 mcl w/sc; 1 car (15).
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Sqdn Trains: 1 car (15); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton).
HMG Plt: Hqs Sect: 1 mcl w/sc; 1 car (11).
3 HMG Sect: 1 truck (2-ton); 2 HMG.
- ex KStN 356 *)**
1.11.1941 **KStN 347**
1.11.1941 **KStN 338**
1.02.1941 **KStN 338**
Mortar Plt: Hqs Sect: 1 mcl w/sc; 1 truck (70).
2 Mortar Sect: 1 mcl w/sc; 2 trucks (70); 2 mortars (81mm).
Engr Plt: Hqs Sect: 2mcl; 1 mcl w/sc; 1 car (15).
1 Engr Sect: 1 mcl w/sc; 2 cars (15); 1 truck (2-ton); 1 Engineer Section w/ 1 LMG.
2 Engr Sect: 4 trucks (2-ton); 1 Engineer Section w/ 1 LMG.

SS-ARTILLERIE-REGIMENT (motorisiert)
SS Motorized Artillery Regiment

**KStN 410**

1.11.1941

Headquarters, Motorized Artillery Regiment

Rgt Hqs: 4 mcl; 1 car (1); 3 cars (15); 1 bus (medium).

KStN 578

1.11.1941

Headquarters Battery, Motorized Artillery Regiment

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

Signal Plt: Hqs Sect: 1 mcl w/sc.

1 Hvy Tele Sect *a*: 1 car (2); 1 van (23).1 Med Tele Sect *b*: 1 car (15); 1 van (76).3 Lt Tele Sect *c*: 1 car (15).2 Lt Radio Sect *b*: 1 van (17).4 Pack Radio Sect *b*: 1 car (2).1 Lt Radio Sect *c*: 1 van (17/1).

Weather Sect: 1 mcl; 1 car (1); 1 van (76).

Printing Sect: 1 mcl; 1 car (light); 1 truck (medium); 1 van (62); 1 trailer (generator).

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

Bty Trains: 3 cars (light); 1 car (4 w/dual MG); 1 truck (light); 3 trucks (medium); 1 bus (medium/33 seats).

KStN 545

1.11.1941

Armored Artillery Observation Battery (Panzer Division)

Bty Hqs: 3 mcl; 2 cars (3); 1 SPW (251/12).

Flash Ranging Det: 6 SPW (251/12).

Advance Warning Sect: 2 SPW (251/12).

Sound Ranging Det: 4 cars (3); 4 SPW (251/12).

Evaluation Det: 2 cars (3); 4 vans (62); 1 van (63).

Printing Sect: 1 truck (medium); 1 van (62); 1 trailer (generator).

Weather Sect: 1 mcl; 1 van (62).

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

Bty Trains: 1 mcl; 1 car (light); 1 car (4 w/ dual MG); 5 trucks (medium); 1 van (42); 1 bus (light/15 seats); 1 trailer (generator).

NOTES:

Only the LSSAH Division had a self-propelled anti-aircraft platoon assigned to the Headquarters Battery, Artillery Regiment; and only LSSAH had an armored observation Battery. The composition of the artillery units varied somewhat, as indicated in the following table.

| Formation | I. Bn. | II. Bn. | III. Bn. | IV. Bn. |
|------------|---|------------------|-------------------|-------------------|
| LSSAH Div | 1 hvy + 2 lt Bty | 1 hvy + 2 lt Bty | 2 hvy + 1 gun Bty | 1 RL Bty |
| SS-DR Div | 3 lt Bty | 3 lt Bty | 3 lt Bty | 2 hvy + 1 gun Bty |
| SS-T Div | 3 lt Bty | 3 lt Bty | 3 lt Bty | 2 hvy + 1 gun Bty |
| SS-W Div | 3 lt Bty | 3 lt Bty | 3 lt Bty | 2 hvy + 1 gun Bty |
| 1. SS Brig | 51st SS Artillery Battalion: 2 lt + 1 hvy Batteries | | | |
| 2. SS Brig | 52nd SS Artillery Battery (6 hvy FH) | | | |

SS-ARTILLERIE-REGIMENT (motorisiert)
SS Motorized Artillery Regiment

KStN 406**Headquarters, Motorized Artillery Battalion**

1.11.1941

Bn Hqs: 3 mcl; 1 mcl w/sc; 1 car (1); 3 cars (15); 1 truck (medium).

KStN 586**Headquarters Battery, Motorized Artillery Battalion**

1.11.1941

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

Signal Plt: Hqs Sect: 1 mcl w/sc.

1 Med Tele Sect *b*: 1 car (15); 1 van (76).3 Lt Tele Sect *c*: 1 car (15).4 Pack Radio Sect *b*: 1 car (2).1 Lt Radio Sect *c*: 1 van (17/1).

Calibration Sect: 1 mcl; 1 car (3); 1 truck (2-ton).

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

Bn Main Det: 1 car (light); 3 trucks (medium).

Bn Trains: 4 mcl; 3 cars (light); 1 car (4 w/ dual MG); 4 trucks (light); 18 trucks (medium); 1 ambulance (31).

KStN 434**Motorized 105mm Light Field Howitzer Battery**

1.11.1941

Bty Hqs: 3 mcl; 3 cars (15).

Signal Det: Hqs Sect: 1 car (15).

1 Med Tele Sect *b*: 1 car (15); 1 van (76).1 Lt Tele Sect *c*: 1 car (15).1 Pack Radio Sect *f*: 1 car (2).

Firing Battery: Hqs Sect: 1 mcl; 1 car (1); 1 car (4 w/ dual MG); 1 car (15); 1 halftrack (11).

2 Gun Sect: 2 halftracks (11); 2 lt field howitzers (105mm – towed).

Ammo Det: 1 car (light); 4 trucks (3-ton).

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

Bty Trains: 1 truck (light); 3 trucks (medium).

KStN 454**Motorized 105mm Gun Battery**

1.11.1941

Bty Hqs: 3 mcl; 3 cars (15).

Signal Det: Hqs Sect: 1 car (15).

1 Med Tele Sect *b*: 1 car (15); 1 van (76).1 Lt Tele Sect *c*: 1 car (15).1 Pack Radio Sect *f*: 1 car (2).1 Lt Radio Sect *c*: 1 van (17/1).

Firing Battery: Hqs Sect: 1 mcl; 1 car (1); 1 car (4 w/ dual MG); 1 car (15); 1 halftrack (7).

2 Gun Sect: 2 halftracks (7); 2 guns (105mm – towed).

Ammo Det: 1 car (light); 4 trucks (3-ton).

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

Bty Trains: 1 truck (light); 3 trucks (medium).

KStN 462**Motorized 150mm Heavy Field Howitzer Battery**

1.11.1941

Bty Hqs: 3 mcl; 1 car (1); 3 cars (15).

Signal Det: Hqs Sect: 1 car (15).

1 Med Tele Sect *b*: 1 car (15); 1 van (76).1 Lt Tele Sect *c*: 1 car (15).1 Pack Radio Sect *f*: 1 car (2).1 Lt Radio Sect *c*: 1 van (17/1).

Firing Battery: Hqs Sect: 1 mcl; 1 car (1); 1 car (4 w/ dual MG); 1 car (15); 1 halftrack (7).

2 Gun Sect: 2 halftracks (7); 2 hvy field howitzers (150mm – towed).

Ammo Det: 1 car (light); 4 trucks (3-ton).

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

Bty Trains: 1 truck (light); 3 trucks (medium).

KStN 617**Motorized 150mm Rocket Launcher Battery**

1.11.1941

Bty Hqs: Hqs Sect: 2 cars (1); 1 AA car (4 w/ dual MG).

Signal Det: Hqs Sect: 1 car (15).

2 Lt Tele Sect *c*: 1 car (15).2 Pack Radio Sect *f*: 1 car (2).

1 Rocket Plt: Hqs Sect: 1 car (1).

Launcher Sect: 3 halftracks (11/4); 3 launchers (150mm – towed).

1 Rocket Plt: Hqs Sect: 1 halftrack (10/1); 1 ATG (50mm – towed).

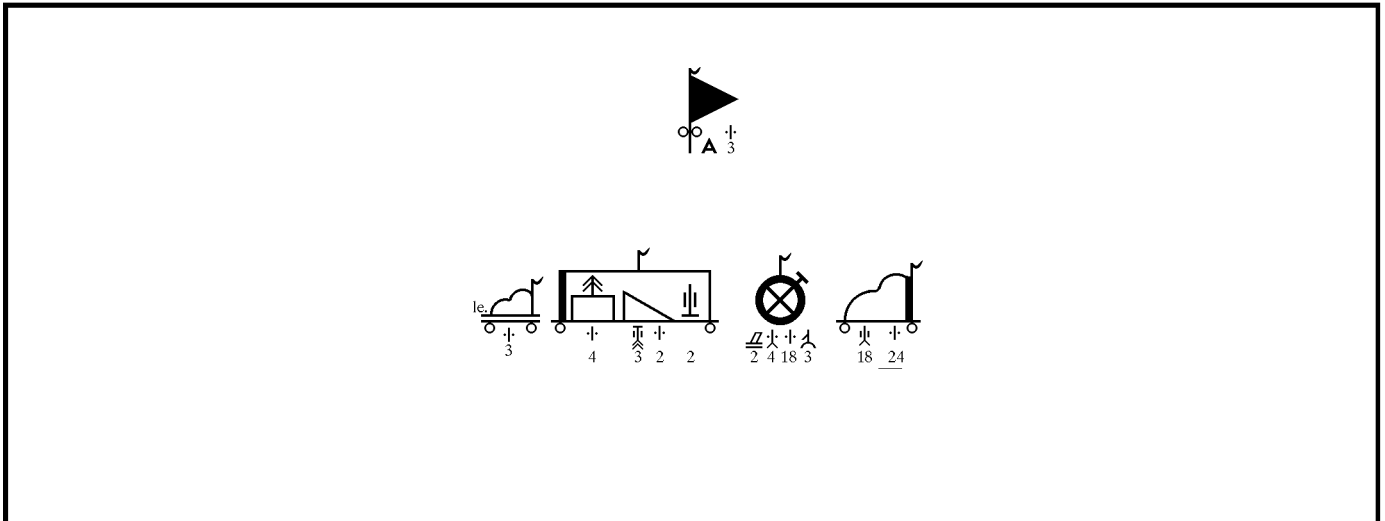
Launcher Sect: 3 halftracks (11/4); 3 launchers (150mm – towed).

2 Ammo Det: 1 mcl w/sc; 3 halftracks (11/4); 3 trailers (ammo).

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

Bty Trains: 1 car (light); 4 trucks (light); 1 truck (medium).

SS-AUFKLÄRUNGS-ABTEILUNG
SS Motorized Reconnaissance Battalion

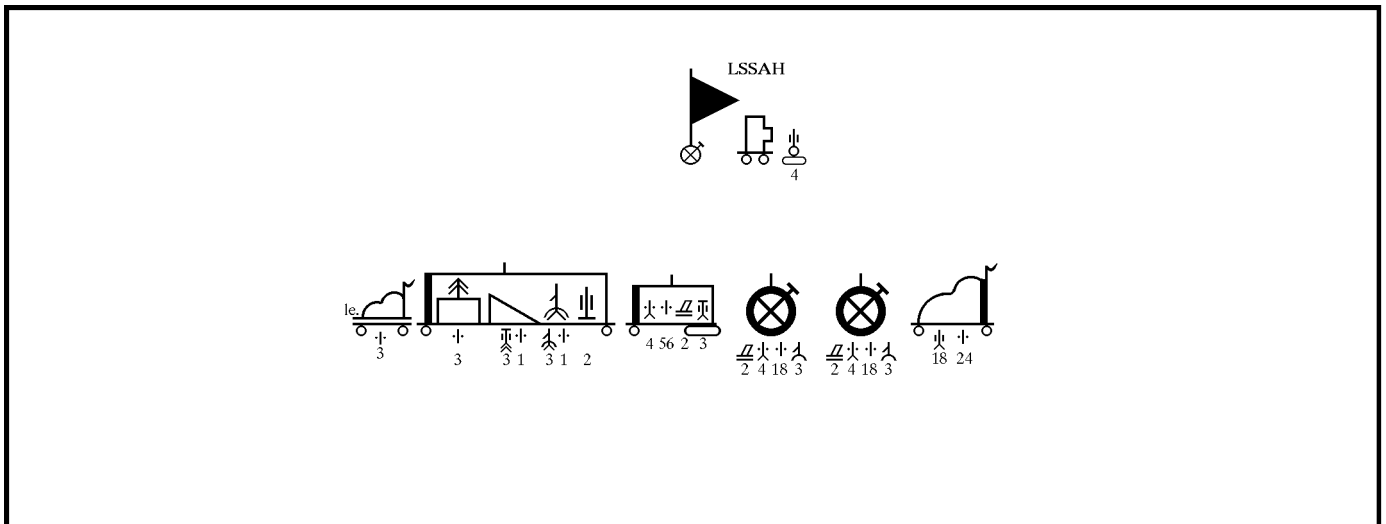


- KStN 1109**
1.11.1941 **Headquarters, Motorized Reconnaissance Battalion**
Bn Hqs: 8 mcl; 2 mcl w/sc; 2 cars (15); 1 AC (247).
Signal Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15).
2 Pack Radio Sect *b*: 1 car (2).
1 Lt Armd Radio Sect *b*: 1 AC (260).
4 Lt Armd Radio Sect *c*: 1 AC (261).
3 Med Armd Radio Sect *b*: 1 car (15); 1 AC (263).
Bn Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 car (light); 2 trucks (3-ton).
Bn Trains: 1 mcl; 2 cars (light); 1 car (15); 2 trucks (light); 2 trucks (medium); 1 bus (medium/33 seats).
SP'd Mono Plt: Hqs Sect: 4 mcl; 1 car (15); 1 LMG.
Ammo Sect: 2 halftracks (10/4 without guns); 2 trailers (ammo).
Gun Sect: 4 halftracks (10/4 with 20mm Flak 38); 2 trailers (ammo).
- ex-KStN 192**
1.02.1941
- KStN 1162**
1.11.1941 **Armored Car Company**
Co Hqs: 2 mcl; 5 mcl w/sc; 1 car (15).
1 Hvy AC Plt: 3 AC (231); 3 AC (232).
3 Lt AC Plt: 4 AC (222); 2 AC (223).
Maint Sect: 1 mcl w/sc; 1 car (2/40); 2 trucks (2-ton).
Co Trains: 1 car (15); 3 trucks (2-ton); 1 truck (medium); 1 truck (3-ton).
- KStN 1112**
1.11.1941 **Motorcycle Reconnaissance Company**
Co Hqs: 4 mcl; 2 mcl w/sc; 1 car (15).
3 Recon Plt: Hqs Sect: 1 mcl; 2 cars (15); 1 ATR.
3 Sqd: 4 mcl w/sc; 1 Reconnaissance Squad w/ 2 LMG.
1 Hvy Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 2 cars (15).
2 HMG Sect: 8 mcl w/sc; 2 HMG.
1 Mortar Sect: 3 trucks (70); 2 mortars (81mm).
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Co Trains: 2 mcl; 1 mcl w/sc; 1 car (15); 1 truck (light); 5 trucks (2-ton); 1 truck (3-ton).
- KStN 1121**
1.11.1941 **Motorized Heavy Company**
Co Hqs: 3 mcl; 2 mcl w/sc; 1 car (15).
Lt Tele Sect *c*: 1 car (15).
Maint Sect: 1 mcl w/sc; 1 car (2/40).
Co Trains: 1 car (15); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton).
- KStN 1122a**
1.12.1941 **ATG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15).**
Ammo Sect: 2 halftracks (10); 2 trailers (ammo).
Gun Sect: 3 halftracks (10); 3 ATG (50mm-towed); 3 LMG.
- KStN 1123**
1.11.1941 **IG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 truck (69).**
Ammo Sect: 1 truck (69); 1 trailer (ammo).
Gun Sect: 1 trucks (69); 2 lt IG (75mm – towed).
- KStN 1124**
1.11.1941 **Engr Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15); 2 trucks (2-ton).**
3 Engr Sect: 1 truck (2-ton); 1 Engineer Section w/ 1 LMG.
1 Engr Sect: 1 truck (2-ton); 1 Engineer Section.
- KStN 1127**
1.11.1941 **ATG Sect: 1 mcl w/sc; 3 trucks (70); 3 ATG (28mm – towed); 3 LMG.**
- KStN 1181**
1.02.1941 **Motorized Light Reconnaissance Column**
Col Hqs: 3 mcl; 4 mcl w/sc; 1 car (15); 3 LMG.
1 Sect: 1 mcl; 5 trucks (2-ton).
2 Sect: 4 trucks (medium).
Col Trains: 1 mcl w/sc; 2 trucks (medium).

NOTES:

1. SS Brig 51st SS Motorcycle Recon. Company plus 1 light AC Plt.
2. SS Brig 52nd SS Motorcycle Recon. Company plus 1 light AC Plt.

LSSAH-AUFKLÄRUNGS-ABTEILUNG
LSSAH Motorized Reconnaissance Battalion

**KStN 1109**

1.11.1941

Headquarters, Motorized Reconnaissance Battalion

Bn Hqs: 8 mcl; 2 mcl w/sc; 2 cars (15); 1 AC (247).

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

2 Pack Radio Sect *b*: 1 car (2).1 Lt Armd Radio Sect *b*: 1 AC (260).4 Lt Armd Radio Sect *c*: 1 AC (261).3 Med Armd Radio Sect *b*: 1 car (15); 1 AC (263).

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

Bn Trains: 1 mcl; 2 cars (light); 1 car (15); 2 trucks (light); 2 trucks (medium); 1 bus (medium/33 seats).

ex-KStN 192

1.02.1941

SP'd Mono Plt: Hqs Sect: 4 mcl; 1 car (15); 1 LMG.

Ammo Sect: 2 halftracks (10/4 without guns); 2 trailers (ammo).

Gun Sect: 4 halftracks (10/4 with 20mm Flak 38); 2 trailers (ammo).

KStN 1162

1.11.1941

Armored Car Company

Co Hqs: 2 mcl; 5 mcl w/sc; 1 car (15).

1 Hvy AC Plt: 3 AC (231); 3 AC (232).

3 Lt AC Plt: 4 AC (222); 2 AC (223).

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

Co Trains: 1 car (15); 3 trucks (2-ton); 1 truck (medium); 1 truck (3-ton).

KStN 1113(gp)

1.03.1942

Armored Light Reconnaissance Company

Co Hqs: 4 mcl; 1 mcl w/sc; 2 SPW (250/3).

3 Recon Plt: Hqs Sect: 1 SPW (250/1); 1 SPW (250/10 w/ 37mm ATG).

3 Sqd: 2 SPW (250/1); 1 Reconnaissance Squad w/ 2 LMG.

1 Hvy Plt: Hqs Sect: 1 mcl; 1 SPW (250/1).

2 HMG Sect: 3 SPW (250/1); 2 HMG.

1 Mortar Sect: 2 SPW (250/7 w/ 81mm mortars); 2 SPW (250/7 w/o mortars).

Maint Sect: 1 mcl w/sc; 2 trucks (2-ton); 1 halftrack (10); 1 LMG.

Co Trains: 1 car (15); 1 truck (2-ton); 1 truck (medium); 2 trucks (3-ton).

KStN 1112

1.11.1941

Motorcycle Reconnaissance Company

Co Hqs: 4 mcl; 2 mcl w/sc; 1 car (15).

3 Recon Plt: Hqs Sect: 1 mcl; 2 cars (15); 1 ATR.

3 Sqd: 4 mcl w/sc; 1 Reconnaissance Squad w/ 2 LMG.

1 Hvy Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 2 cars (15).

2 HMG Sect: 8 mcl w/sc; 2 HMG.

1 Mortar Sect: 3 trucks (70); 2 mortars (81mm).

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

Co Trains: 2 mcl; 1 mcl w/sc; 1 car (15); 1 truck (light); 5 trucks (2-ton); 1 truck (3-ton).

Motorized Heavy Company**KStN 1121**

1.11.1941

Co Hqs: 3 mcl; 2 mcl w/sc; 1 car (15).

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

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

Co Trains: 1 car (15); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton).

KStN 1122a

1.12.1941

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

Ammo Sect: 2 halftracks (10); 2 trailers (ammo).

Gun Sect: 3 halftracks (10); 3 ATG (50mm-towed); 3 LMG.

KStN 1123

1.11.1941

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

Ammo Sect: 1 truck (69); 1 trailer (ammo).

Gun Sect: 1 trucks (69); 2 lt IG (75mm – towed).

KStN 1124

1.11.1941

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

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

1 Engr Sect: 1 truck (2-ton); 1 Engineer Section.

KStN 1127

1.11.1941

ATG Sect: 1 mcl w/sc; 3 trucks (70); 3 ATG (28mm – towed); 3 LMG.

KStN 1181

1.02.1941

Motorized Light Reconnaissance Column

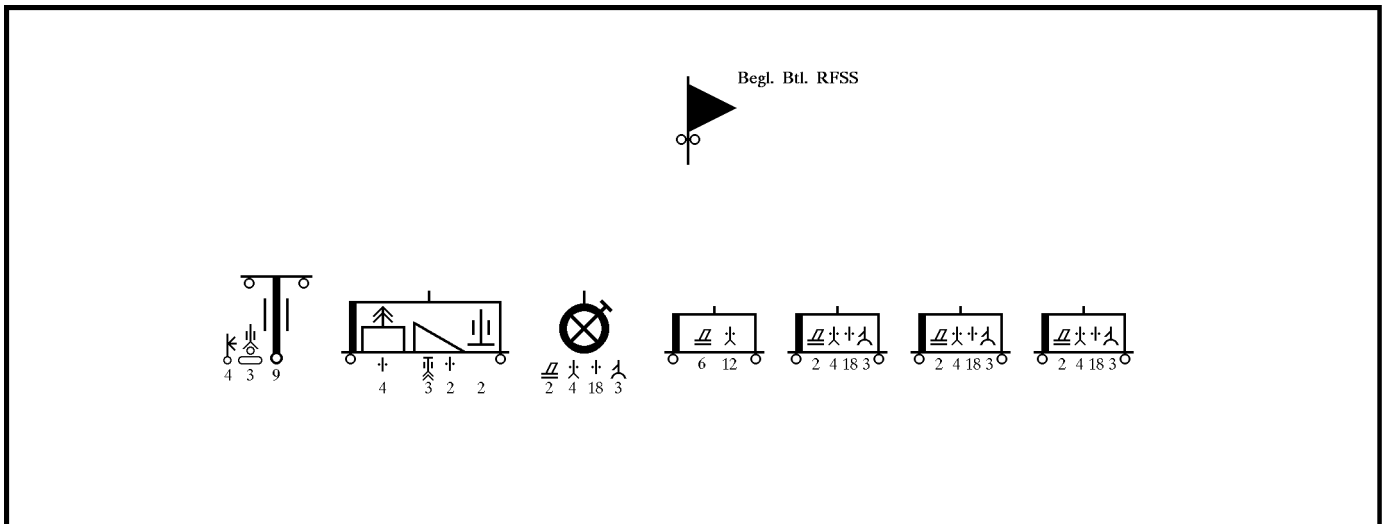
Col Hqs: 3 mcl; 4 mcl w/sc; 1 car (15); 3 LMG.

1 Sect: 1 mcl; 5 trucks (2-ton).

2 Sect: 4 trucks (medium).

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

BEGLEIT BATAILLON REICHSFÜHRER-SS
Motorized Escort Battalion *Reichsführer-SS*



KSStN 1108
1.11.1941

Headquarters, Motorized Infantry Battalion

Bn Hqs: 5 mcl; 2 mcl w/sc; 3 cars (15).
 Signal Det: Hqs Sect: 1 car (15).
 1 Lt Tele Sect *c*: 1 car (15).
 2 Pack Radio Sect *d*: 1 car (2).
 2 Lt Radio Sect *d*: 1 van (17).
 Bn Hqs Trains: 1 mcl w/sc; 1 car (15); 1 truck (2-ton); 1 truck (medium); truck (3-ton); 1 ambulance (31).
 Bn Maint Det: 1 mcl w/sc; 1 car (2/40); 1 car (light); 3 trucks (3-ton).
 Bn Trains: 1 mcl; 2 cars (light); 2 trucks (light); 1 truck (medium); 5 trucks (3-ton).

KSStN 1113
18.03.1942

Motorized Infantry Company (Volkswagen)

Co Hqs: 3 mcl; 3 VW (1).
 3 Inf Plt: Hqs Sect: 1 mcl; 2 VW (1).
 3 Inf Sqd: 4 VW (1); 1 Infantry Squad w/ 2 LMG.
 1 Hvy Plt: Hqs Sect: 1 mcl; 3 VW (1).
 2 HMG Sect: 7 VW (1); 2 HMG.
 1 Mortar Sect: 3 trucks (70); 2 mortars (81mm).
 Maint Sect: 1 VW (1); 1 VW (2/40).
 Co Trains: 1 VW (1); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton).

KSStN 1116
1.02.1941

Motorized Machine Gun Company

Co Hqs: 3 mcl; 1 mcl w/sc; 1 car (15).
 2 Lt Tele Sect *c*: 1 car (15).
 3 HMG Plt: Hqs Sect: 1 mcl w/sc; 2 cars (15).
 2 HMG Sect: 2 cars (70); 2 HMG.
 1 Mortar Plt: Hqs Sect: 1 mcl w/sc; 1 car (15).
 2 Mortar Sect: 3 trucks (70); 2 mortars (81mm).
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Co Trains: 1 mcl w/sc; 1 car (15); 1 truck (light); 3 trucks (2-ton); 1 truck (medium).

KSStN 1112
1.11.1941

Motorcycle Infantry Company

Co Hqs: 4 mcl; 2 mcl w/sc; 1 car (15).
 3 Mcl Plt: Hqs Sect: 1 mcl; 2 cars (15).
 3 Mcl Sect: 4 mcl w/sc; 1 Infantry Squad with 2 LMG.
 1 Hvy Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 2 cars (15).
 2 HMG Sect: 8 mcl w/sc; 2 HMG.
 1 Mortar Sect: 3 trucks (70); 2 mortars (81mm).
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Co Trains: 1 car (15); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton).

KSStN 1121
1.11.1941

Motorized Heavy Company

Co Hqs: 3 mcl; 2 mcl w/sc; 1 car (15).
 Lt Tele Sect *c*: 1 car (15).
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Co Trains: 1 car (15); 1 truck (2-ton); 1 truck (medium); 1 truck (3-ton).

KSStN 1122a
1.12.1941

ATG Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15).
 Gun Sect: 5 halftracks (10); 3 ATG (50mm – towed); 2 trailers (ammo); 2 LMG.

KSStN 1123
1.11.1941

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

KSStN 1124
1.11.1941

Engr Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15); 2 trucks (2-ton).
 4 Engr Sect: 1 truck (2-ton); 1 Engineer Section w/ 1 LMG.

KSStN 1713
1.03.1942

Motorized 20mm Army Anti-Aircraft Battery

Bty Hqs: 3 mcl; 1 car (1); 2 cars (15); 2 LMG.
 Signal Det: Hqs Sect: 1 mcl w/sc.
 1 Lt Tele Sect *c*: 1 car (15).
 1 Lt Radio Sect *b*: 1 van (17).
 5 Pack Radio Sect *d*: 1 car (2).
 Ammo Det: 4 trucks (3-ton).
 3 Lt AA Plt: Hqs Sect: 2 mcl; 1 car (15).
 Gun Sect: 3 trucks (81); 3 AA guns (20mm – towed).
 Med AA Plt: Hqs Sect: 3 mcl; 1 car (15); 1 truck (3-ton); 1 LMG.
 Gun Sect: 3 halftracks (6/2 with 37mm Flak).
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Bty Trains: 1 car (light); 2 trucks (light); 3 trucks (medium).
 Searchlight Det: 1 mcl; 4 trucks (83); 4 searchlights (600mm – towed).

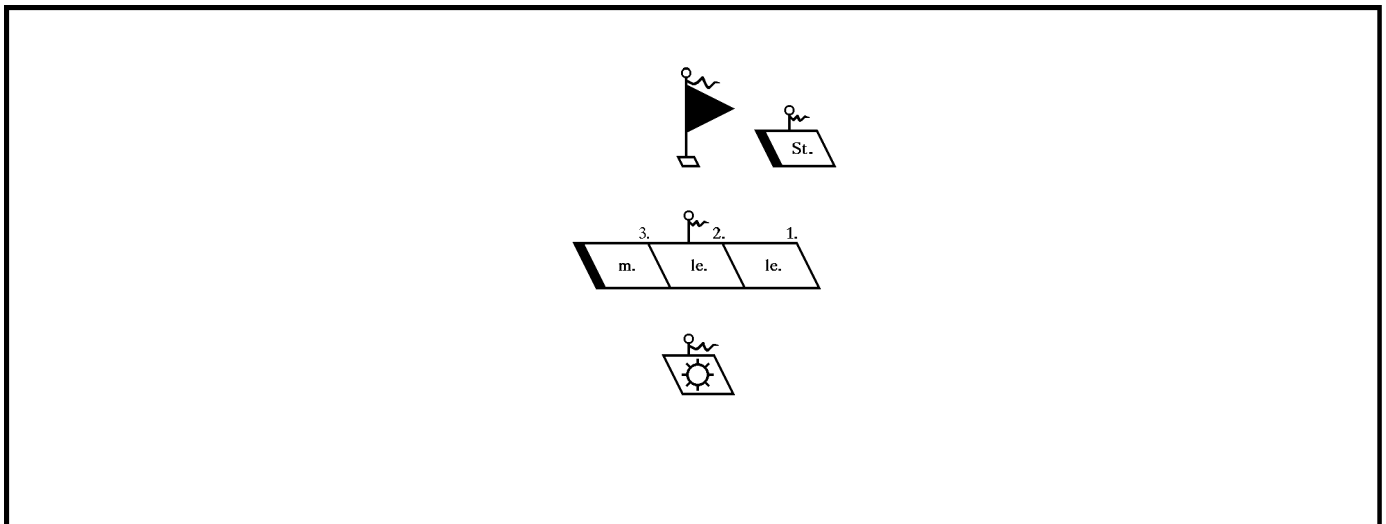
SS-KStN
?

NOTES:

The Begleit-Bataillon Reichsführer-SS was raised in February 1941 with three infantry companies and a mixed anti-aircraft battery. It was continually enlarged, reaching brigade size and eventually became the 16. SS-Panzer Grenadier Division in October 1943.

It joined the 2. SS Brigade in July 1941, and remained with it until early 1943, when it was transferred to Corsica.

SS-PANZER-ABTEILUNG
SS Tank Battalion

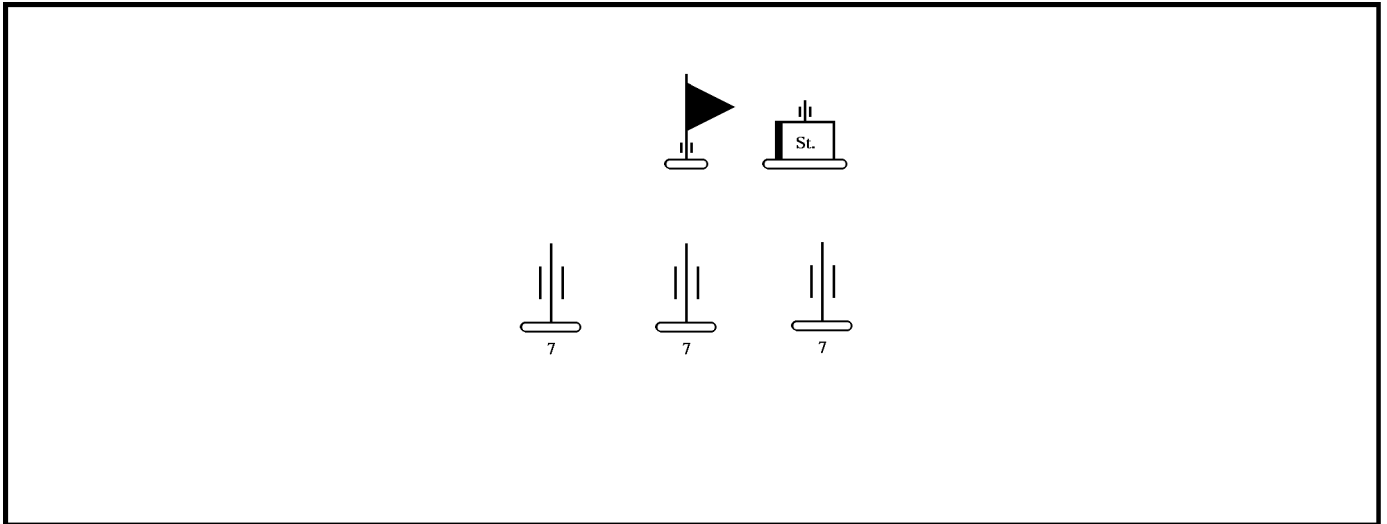


- KStN 1107 Headquarters, Armored Battalion**
1.11.1941 Bn Hqs: 2 mcl; 1 mcl w/sc; 1 car (light); 3 cars (15); 1 truck (light).
- KStN 1150 Headquarters Company, Armored Battalion**
1.11.1941
Co Hqs: 2 mcl; 1 car (15).
Lt Tank Plt: 5 Pz-II (121).
Signal Plt: 1 mcl; 1 car (15); 1 Pz-III (141); 2 Bef-Pz-III (266).
Scout Plt: Hqs Sect: 3 mcl; 1 car (1).
4 Sect: 1 mcl; 2 mcl w/sc; 1 LMG.
AAPlt: 4 cars (4 w/ dual MG).
Engineer Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 2 trucks (2-ton).
3 Engineer Sect: ride in Headquarters Section trucks (2-ton); 1 LMG.
1 Armored Engineer Sect: 3 Pz-II (121).
Co Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 truck (3-ton).
Bn Trains: 2 mcl; 2 mcl w/sc; 1 car (light); 1 car (1); 1 truck (light); 1 truck (2-ton); 2 trucks (medium); 34 trucks (3-ton).
Bn Medic Sect: 1 mcl w/sc; 1 truck (3-ton); 1 ambulance (31); 1 armored ambulance (251/8).
- KStN 1171 Light Tank Company**
1.11.1941
Co Hqs: 3 mcl; 1 car (15); 5 Pz-II (121); 2 Pz-III (141).
3 Tank Plt: 5 Pz-III (141).
Maint Sect: 2 mcl w/sc; 1 car (2/40); 1 truck (3-ton); 2 halftracks (10).
Co Trains: 2 mcl w/sc; 1 car (1); 1 truck (medium); 5 trucks (3-ton).
- KStN 1175 Medium Tank Company**
1.11.1941
Co Hqs: 3 mcl; 1 car (15); 5 Pz-II (121); 2 Pz-IV (161).
3 Tank Plt: 4 Pz-IV (161).
Maint Sect: 2 mcl w/sc; 1 car (2/40); 1 truck (3-ton); 2 halftracks (10).
Co Trains: 2 mcl w/sc; 1 car (1); 1 truck (medium); 5 trucks (3-ton).
- KStN 1185 Motorized Tank Maintenance Platoon**
1.06.1942
Plt Hqs: 1 mcl w/sc; 1 car (1).
Workshop Det: 9 trucks (3-ton); 1 van (79); 1 bus (medium/22 seats); 1 trailer (tool); 1 trailer (welding); 2 LMG.
Signal Maint Sect: 1 truck (light); 2 vans (42); 1 trailer (generator).
Recovery Det: 1 mcl w/sc; 1 car (1); 1 halftrack (7); 3 halftracks (9); 1 halftrack crane (9/1 – 6-ton capacity);
1 trailer (10-ton/light tank); 1 trailer (22-ton/medium tank).
Armorer Sect: 1 mcl w/sc; 1 car (15); 2 trucks (medium).
Plt Trains: 1 mcl w/sc; 1 car (light); 3 trucks (medium).

NOTES:

The Leibstandarte SS Adolf Hitler tank pattalion had three medium companies. The SS-Das Reich and SS-Wiking Divisions' tank battalion had one medium and two light companies. The SS-Totenkopf Division did not have a tank battalion at all.

SS-STRUMGESCHÜTZ-ABTEILUNG
SS Assault Gun Battalion

**KStN 416 *)**

1.11.1941

Headquarters, Assault Gun Battalion

Bn Hqs: 4 mcl; 2 mcl w/sc; 2 cars (15); 1 ambulance (31).
2 Lt Tele Sect *c*: 1 car (15).
Lt Radio Sect *b*: 1 van (17).

KStN 588 *)

1.11.1941

Headquarters Battery, Assault Gun Battalion

Bty Hqs: 1 mcl; 1 car (15).
Bty Trains: 1 AA car (4 w/dual MG); 1 truck (light); 2 trucks (medium).
Maintenance Det: 1 mcl; 1 mcl w/sc; 1 car (medium); 1 car (medium); 3 truck (light); 4 trucks (medium); 1 truck (3-ton);
1 van (79/2); 1 trailer (tool); 2 halftracks (9); 1 halftracked crane (9/1 – 6-ton); 2 trailers (22-ton/medium tank).

KStN 190

1.11.1941

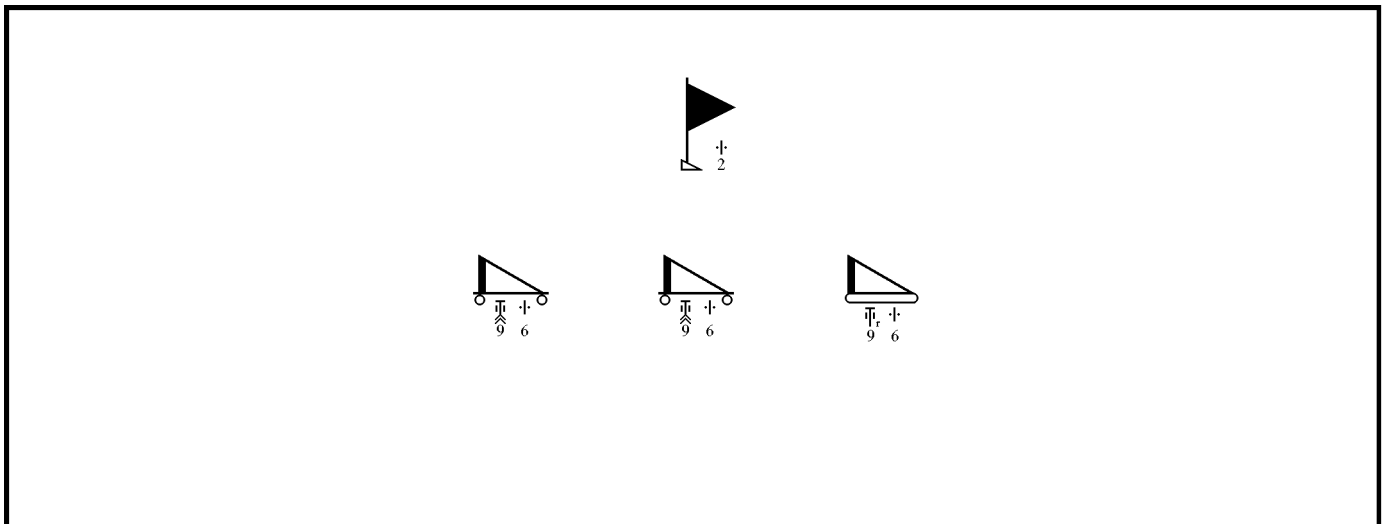
Assault Gun Battery

Bty Hqs: 3 mcl; 1 mcl w/sc; 1 car (15); 1 Sturmgeschütz (142).
2 AG Plt: 1 mcl w/sc; 3 Sturmgeschütz (142); 1 armored ammunition carrier (252); 1 armored ammunition trailer.
Maint Det: 2 mcl w/sc; 1 car (2/40); 3 trucks (medium); 1 halftrack (9); 1 trailer (22-ton/medium tank).
Bty Trains: 1 mcl; 1 car (1); 1 AA car (4 w/ dual MG); 7 trucks (medium).

NOTES:

The LSSAH Division had a full battalion of assault guns. The SS-Totenkopf and SS-Wiking Divisions had one assault gun battery each.

SS-PANZERJÄGER-ABTEILUNG
SS Anti-Tank Battalion

**KStN 1106a Headquarters, Motorized Anti-Tank Battalion**

1.11.1941

Bn Hqs: 2 mcl; 1 mcl w/sc; 3 cars (15); 1 Pz-I (101 without turret); 2 LMG.

Signal Det: Hqs Sect: 2 mcl; 1 car (15).
4 Pack Radio Sect *b*: 1 car (2).
2 Lt Radio Sect *b*: 1 van (17).

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

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

KStN 1144 Motorized Anti-Tank Company

1.11.1941

Co Hqs: 3 mcl; 1 mcl w/sc; 1 car (12).

2 Lt AT Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (12).
Gun Sect: 5 trucks (69); 4 ATG (37mm – towed); 2 LMG.1 Med AT Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (12).
Gun Sect: 5 halftracks (10); 3 ATG (50mm – towed); 2 ammo trailers (*Sd.Ah. 32*); 3 LMG.

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

Co Trains: 1 car (light); 1 truck (light); 3 trucks (2-ton); 1 truck (medium); 1 ammo trailer (*Sd.Ah. 32*).**KStN 1148a *) Self-Propelled Heavy Anti-Tank Company**

15.02.1942

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

Ammo Det: 3 armored ammunition carriers (111).

2 Pack Radio Sect *b*: 1 car (2).2 SP'd AT Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (1); 1 truck (3-ton).
Gun Sect: 3 SP'd ATG (76.2mm); 3 LMG.

Maint Sect: 1 mcl w/sc; 2 trucks (2-ton); 1 halftrack (10).

Co Trains: 1 car (15); 1 truck (2-ton); 1 truck (medium); 2 trucks (3-ton).

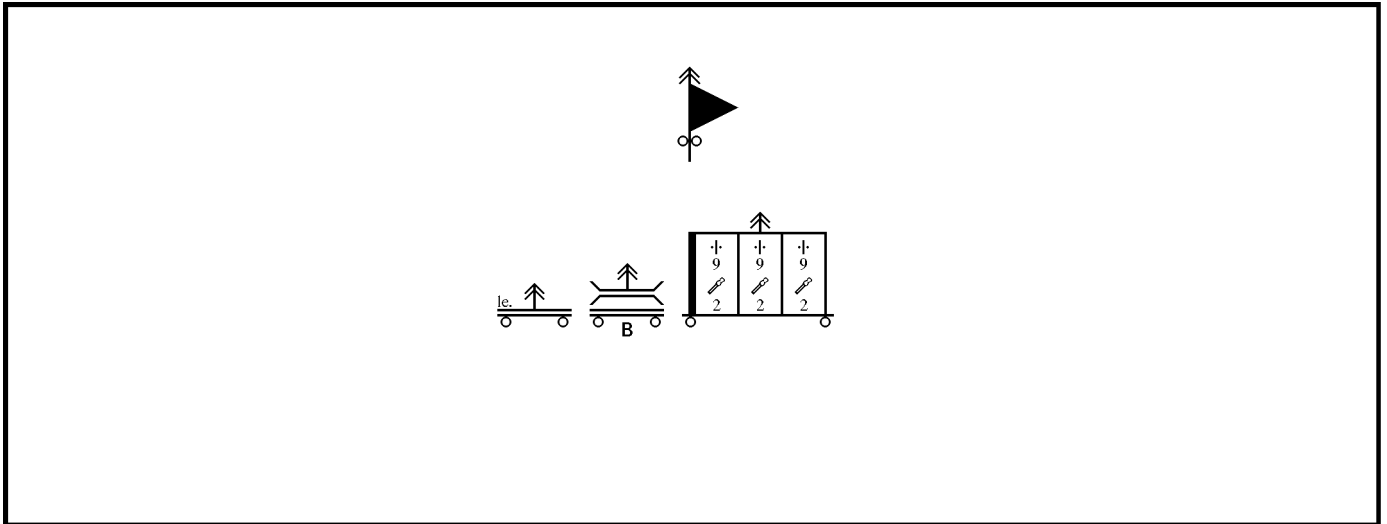
NOTES:

The organizations of the anti-tank units varied somewhat at this time. Depending upon the equipment available, the type and number of platoons within the motorized and self-propelled companies changed. It was planned to equip all anti-tank companies of the battalions with self-propelled heavy anti-tank guns. The organizations of the companies are indicated below.

Authorized Organization and Equipment:

| Formation | Bn. Hqs | 1st Company | 2nd Company | 3 Company |
|-------------|---------|--|---------------------------|---------------|
| LSSAH Div. | SP'd | [SP'd/Pz-38(t)] 9x 76.2mm | [SP'd/Pz-38(t)] 9x 76.2mm | [mot] 9x 50mm |
| SS-DR Div. | SP'd | [SP'd/Pz-38(t)] 6x 76.2mm | [mot] 9x 50mm | [mot] 9x 50mm |
| SS-T Div. | SP'd | [SP'd/Pz-38(t)] 9x 76.2mm | [mot] 9x 50mm | [mot] 9x 50mm |
| SS-W Div. | SP'd | [SP'd/Pz-38(t)] 9x 76.2mm | [mot] 9x 50mm | [mot] 9x 50mm |
| 1. SS Brig. | – | 51st Anti-Tank Company ([mot] 9x 50mm) | | |
| 2. SS Brig. | – | 52nd Anti-Tank Company ([mot] 9x 50mm) | | |

SS-PIONIER-BATAILLON (motorisiert)
SS Motorized Combat Engineer Battalion



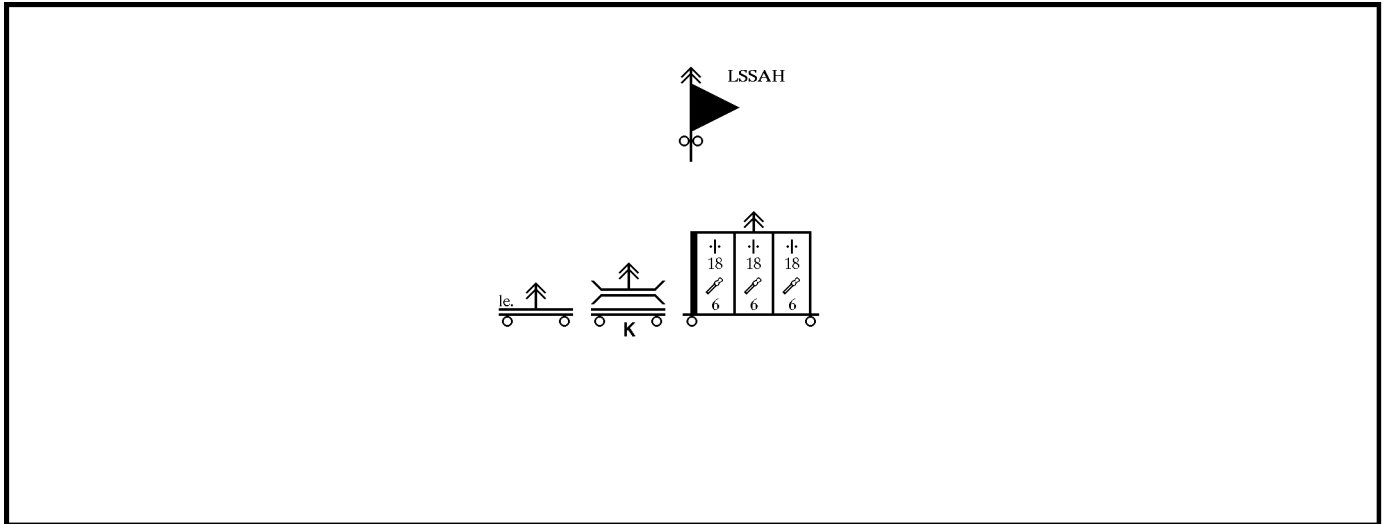
- KStN 703 *) Headquarters, Motorized Combat Engineer Battalion**
 1.11.1941
 Bn Hqs: 2 mcl; 2 mcl w/sc; 2 cars (light); 3 cars (15); 2 LMG.
 Signal Det: 4 Lt Radio Sect *e*: 1 car (2).
 1 Hvy Tele Sect *a*: 1 car (2); 1 truck (3-ton).
 Bn Maint Det: 1 mcl w/sc; 1 car (2/40); 1 car (light); 2 trucks (3-ton).
 Bn Trains: 1 mcl w/sc; 4 trucks (medium); 2 trucks (3-ton); 1 ambulance (31).
- KStN 712 *) Motorized Combat Engineer Company**
 1.11.1941
 Co Hqs: 3 mcl; 1 mcl w/sc; 1 car (15).
 Support Det: 3 trucks (3-ton); 2 trailers (compressor).
 Signal Det: Hqs Set: 1 car (15).
 2 Lt Radio Sect *e*: 1 van (17)
 3 CE Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15); 1 truck (medium).
 3 Engr Sect: 1 car (15); 1 truck (3-ton); 1 Combat Engineer Section with 1 LMG.
 Maint Sect: 1 mcl/w sc; 1 car (2/40).
 Co Trains: 1 mcl w/sc; 2 trucks (medium); 1 truck (3-ton); 2 Flamethrowers.
- KStN 733 *) Motorized Type "B" Bridge Column**
 1.03.1942
 Col Hqs: 3 mcl; 1 car (light).
 2 Bridge Plt: Hqs Sect: 1 mcl; 1 car (15); 1 LMG.
 Pontoon Sect: 4 halftracks (7); 4 trailers (3 pontoons each).
 Pontoon Sect: 4 trucks (4.5-ton); 4 trailers (3 pontoons each).
 Trestle Sect: 2 trucks (4.5-ton); 2 trailers (trestles).
 Transom Sect: 2 trucks (4.5-ton); 2 trailers (shore transoms).
 Boat Sect: 1 truck (4.5-ton); 1 trailer.
 1 Support Plt: Hqs Sect: 2 mcl w/sc.
 Ramp Sect: 2 trucks (4.5-ton); 2 trailers (ramps).
 Winch Sect: 1 truck (4.5-ton); 1 trailer (winch).
 Col Trains: 1 truck (light); 2 trucks (medium).
- KStN 741 *) Motorized Supply Column, Motorized Combat Engineer Battalion**
 1.02.1941
 Col Hqs: 1 mcl; 1 mcl w/sc; 1 car (light).
 1 Plt: 1 mcl; 1 mcl w/sc; 6 trucks (medium); 2 trailers (air compressor).
 1 Plt: 1 mcl; 1 mcl w/sc; 7 trucks (medium); 1 ambulance (31).
 Col Trains: 1 mcl; 1 truck (light).

NOTES:

The composition of the combat engineer units of the SS formations are indicated below.

| Formation | CE Company | Light CE Company | Bridge Column |
|------------|---------------------------------|------------------|---------------|
| SS-DR Div | 3 | – | B |
| SS-T Div | 3 | – | B |
| SS-W Div | 3 | – | B |
| 1. SS Brig | 51st SS Combat Engineer Company | | B |
| 2. SS Brig | 52nd SS Combat Engineer Company | | B |

LSSAH-PIONIER-BATAILLON (motorisiert)
LSSAH Motorized Combat Engineer Battalion

**KStN 703 *)****Headquarters, Motorized Combat Engineer Battalion**

1.11.1941

Bn Hqs: 2 mcl; 2 mcl w/sc; 2 cars (light); 3 cars (15); 2 LMG.
 Signal Det: 4 Lt Radio Sect *e*: 1 car (2).
 1 Hvy Tele Sect *a*: 1 car (2); 1 truck (3-ton).
 Bn Maint Det: 1 mcl w/sc; 1 car (2/40); 1 car (light); 2 trucks (3-ton).
 Bn Trains: 1 mcl w/sc; 4 trucks (medium); 2 trucks (3-ton); 1 ambulance (31).

KStN 714 *)**Motorized Light Combat Engineer Company**

1.11.1941

Co Hqs: 3 mcl; 1 mcl w/sc; 1 car (15).
 Support Det: 3 trucks (3-ton); 1 trailer (cargo).
 Signal Det: Hqs Set: 1 car (15).
 2 Lt Radio Sect *e*: 1 van (17)
 3 CE Plt: Hqs Sect: 1 mcl; 1 mcl w/sc; 1 car (15); 1 truck (2-ton).
 3 Eng Sect: 2 trucks (2-ton); 1 Combat Engineer Section with 2 LMG.
 Maint Sect: 1 mcl/w sc; 1 car (2/40).
 Co Trains: 1 mcl w/sc; 2 trucks (medium); 1 truck (3-ton); 6 Flamethrowers.

KStN 737 *)**Motorized Type "K" Bridge Column**

1.03.1942

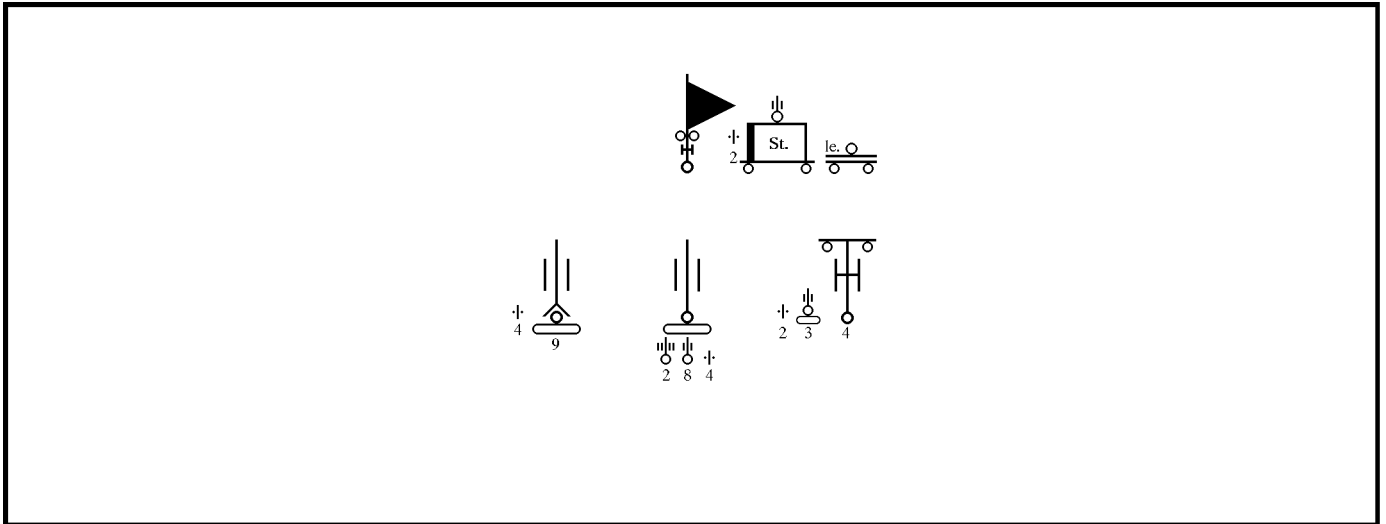
Col Hqs: 3 mcl; 1 car (light).
 2 Bridge Plt: Hqs Sect: 1 mcl; 1 mcl w/sc.
 Pontoon Sect: 4 trucks (3-ton); 1 LMG.
 Trestle Sect: 2 trucks (4.5-ton); 1 trailer (motor boat).
 Transom Sect: 4 trucks (4.5-ton).
 Tread Sect: 4 trucks (3-ton).
 1 Support Plt: Hqs Sect: 2 mcl w/sc.
 Rubber Raft Sect: 3 trucks (medium); 1 LMG.
 Equipment Sect: 2 trucks (medium).
 Support Sect: 1 truck (medium); 1 truck (4.5-ton).
 Main Sect: 1 mcl w/sc; 1 car (2/40).
 Col Trains: 1 truck (light).

KStN 741 *)**Motorized Supply Column, Motorized Combat Engineer Battalion**

1.02.1941

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

**SS-FLAK-ABTEILUNG (motorisiert)
SS Motorized Anti-Aircraft Battalion**

**KStN 1705**

1.11.1941

Headquarters, Motorized Army Anti-Aircraft Battalion

Bn Hqs: 3 mcl; 1 car (light); 2 cars (15).

KStN 1709 *)

1.11.1941

Headquarters Battery, Motorized Army Anti-Aircraft Battalion

Bty Hqs: 2 cars (15); 2 LMG.

Signal Plt: Hqs Sect: 2 mcl; 1 mcl w/sc; 1 car (15); 1 LMG.

1 Hvy Tele Sect *a*: 1 car (2); 1 van (23).3 Lt Tele Sect *c*: 1 car (15).1 Pack Radio Sect *b*: 1 car (2).1 Lt Radio Sect *a*: 1 van (17).1 Med Radio Sect *b*: 1 car (15); 1 van (17).

1 Weather Sect: 1 mcl; 1 van (61).

1 Evaluation Sect: 1 truck (medium).

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

Bn Maint Det: 1 car (light); 4 trucks (3-ton).

Bn Trains: 1 car (light); 1 car (1); 3 trucks (light); 3 trucks (medium); 1 ambulance (31).

KStN 511

1.11.1941

Motorized Light Artillery Column (20 ton)

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

Ammo Plt: 15 trucks (light).

Trains: 1 mcl; 1 truck (light).

KStN 1711

1.03.1942

Motorized 88mm Army Anti-Aircraft Battery

Bty Hqs: 3 mcl; 2 cars (15); 2 LMG.

Calibration Det: Hqs Sect: 1 car (15).

2 Calibration Sect: 1 van (74); 1 trailer (gun director).

Signal Det: 1 Hvy Tele Sect *a*: 1 car (2); 1 van (23).1 Lt Radio Sect *b*: 1 van (17).

Ammo Det: 4 trucks (3-ton).

Firing Battery:

Hqs Sect: 1 mcl; 1 car (15); 1 halftrack (7); 1 trailer (w/o gun).

Gun Sect: 4 halftracks (7); 4 AA guns (88mm – towed).

Lt AA Plt: 1 mcl w/sc; 3 trucks (81); 3 AA guns (20mm – towed).

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

Bty Trains: 1 car (light); 2 trucks (light) 1 truck (81); 3 trucks (medium); 1 trailer (ammo).

KStN 192

1.02.1941

Mechanized Light Infantry Anti-Aircraft Company

Co Hqs: 4 mcl; 1 car (1); 1 car (15); 1 LMG.

Signal Det: Hqs Sect: 1 car (15).

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

Mot Mono Plt: Hqs Sect: 3 mcl; 2 cars (15); 1 LMG.

Ammo Sect: 2 trucks (81).

Gun Sect: 4 trucks (81); 4 AA Guns (20mm Flak 30 – towed).

SP'd Mono Plt: Hqs Sect: 4 mcl; 1 car (15); 1 LMG.

Ammo Sect: 2 halftracks (10/4 without guns).

Gun Sect: 4 halftracks (10/4 with 20mm Flak); 4 trailers (reserve – for 20mm Flak, but without guns).

SP'd Quad Plt: Hqs Sect: 3 mcl; 2 cars (15); 1 LMG.

Ammo Sect: 2 halftracks (7/1 without guns).

Gun Sect: 2 halftracks (7/1 with quad 20mm Flak 38); 2 trailers (reserve – for 20mm quad Flak 38, but without guns).

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

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

KStN 198

1.02.1941

Self-Propelled Medium Infantry Anti-Aircraft Company

Co Hqs: 2 mcl; 2 mcl w/sc; 1 car (medium); 1 car (12); 1 LMG.

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

1 Lt Tele Sect *c*: 1 car (15).1 Lt Radio Sect *b*: 1 van (17).4 Pack Radio Sect *b*: 1 car (2).

Ammunition Det: 1mcl; 3 trucks (3-ton).

3 Med AA Plt: Hqs Sect: 3 mcl; 1 car (15); 1 truck (3-ton); 1 LMG.

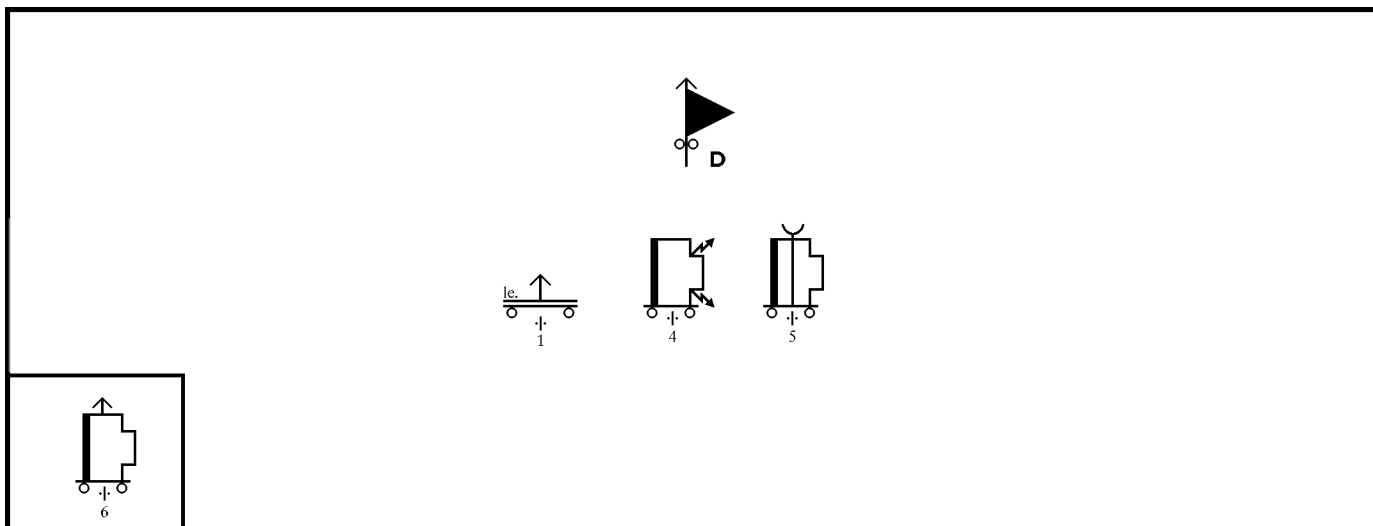
Gun Sect: 3 halftracks (6/2 with 37mm Flak).

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

NOTES:

The organization of the anti-aircraft units varied somewhat, as indicated in the table below.

| Formation | 1st Bty | 2nd Bty | 3rd Bty | 4th Bty | 5th Bty |
|--------------------|--|------------------------------|------------------------------|-------------------|-------------------|
| LSSAH Div | 1 hvy/mot & 1 lt/SP Platoons | 1 hvy/mot & 1 lt/SP Platoons | 1 hvy/mot & 1 lt/SP Platoons | 3 med/SP Platoons | 3 med/SP Platoons |
| SS-DR Div | 2 lt/SP & 1 lt Quad/SP Platoons | 3 med/SP Platoons | 1 hvy/mot & 1 lt/SP Platoons | – | – |
| SS-T Div | 2 lt/SP & 1 lt Quad/SP Platoons | 3 med/SP Platoons | 1 hvy/mot & 1 lt/SP Platoons | – | – |
| SS-W Div | 2 lt/SP & 1 lt Quad/SP Platoons | 3 med/SP Platoons | 1 hvy/mot & 1 lt/SP Platoons | – | – |
| 1. SS Brig | 51st SS Anti-Aircraft Battery (3 lt/mot & 1 med/SP Platoons) | | | | |
| 2. SS Brig | 52nd SS Anti-Aircraft Battery (3 lt/mot Platoons) | | | | |
| (SS-Flak-Abt. Ost) | 2 lt/SP & 1 lt Quad/SP Platoons | 3 med/SP Platoons | 1 hvy/mot & 1 lt/SP Platoons | – | – |

**KStN 807**

1.11.1941

Headquarters, Motorized Divisional Signal Battalion

Bn Hqs: 2 mcl; 1 car (light); 2 cars (15); 2 trucks (2-ton).
 Bn Maint Det: 1 mcl w/sc; 1 car (2/40); 1 car (light); 2 trucks (3-ton).
 Bn Trains: 1 mcl w/sc; 4 trucks (medium); 2 trucks (3-ton); 1 ambulance (31).

KStN 832

1.03.1942

Motorized Telephone Company (Infantry Division (motorized))

Co Hqs: 1 mcl; 1 mcl w/sc; 1 car (15); 1 truck (2-ton); 1 LMG.
 1 Plt: Hqs Sect: 2 mcl; 1 car (15); 1 LMG.
 3 Tele Ops Sect *a*: 1 car (15); 1 van (17).
 4 Lt Tele Sect *b*: 1 car (15).
 3 Plts: Hqs Sect: 2 mcl; 1 car (15); 1 LMG.
 4 Hvy Tele Sect *a*: 1 car (2); 1 van (23).
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Co Trains: 1 car (15); 3 trucks (light); 2 trucks (medium).

KStN 858

1.03.1942

Motorized Radio Company (Infantry Division (motorized))

Co Hqs: 1 mcl; 1 mcl w/sc; 1 car (15); 1 truck (2-ton); 1 LMG.
 1st Plt: Hqs Sect: 2 mcl; 1 car (15); 1 LMG.
 1 Armd Command Sect: 1 SPW (251/6).
 6 Med Radio Sect *a*: 1 car (15); 1 van (17).
 2nd Plt: Hqs Sect: 2 mcl; 1 car (15); 1 LMG.
 6 Med Radio Sect *a*: 1 car (15); 1 van (17).
 2 Med Radio Sect *a/f*: 2 vans (17).
 3rd Plt: Hqs Sect: 2 mcl; 1 car (15); 1 LMG.
 4 Med Radio Sect *b/f*: 2 cars (17).
 2 Lt Armd Radio Sect *f*: 1 van (17/1).
 1 Code Sect: 2 cars (15).
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Co Trains: 1 car (15); 3 trucks (light); 3 trucks (medium); 1 van (42); 1 trailer (generator).

KStN 871

1.03.1942

Motorized Light Signal Transport Column (Infantry Division (motorized))

Col: 1 mcl w/sc; 1 car (light); 1 truck (light); 4 trucks (medium); 2 vans (42); 1 trailer (generator); 1 LMG.

KStN 840

1.05.1942

Motorized Signal Company

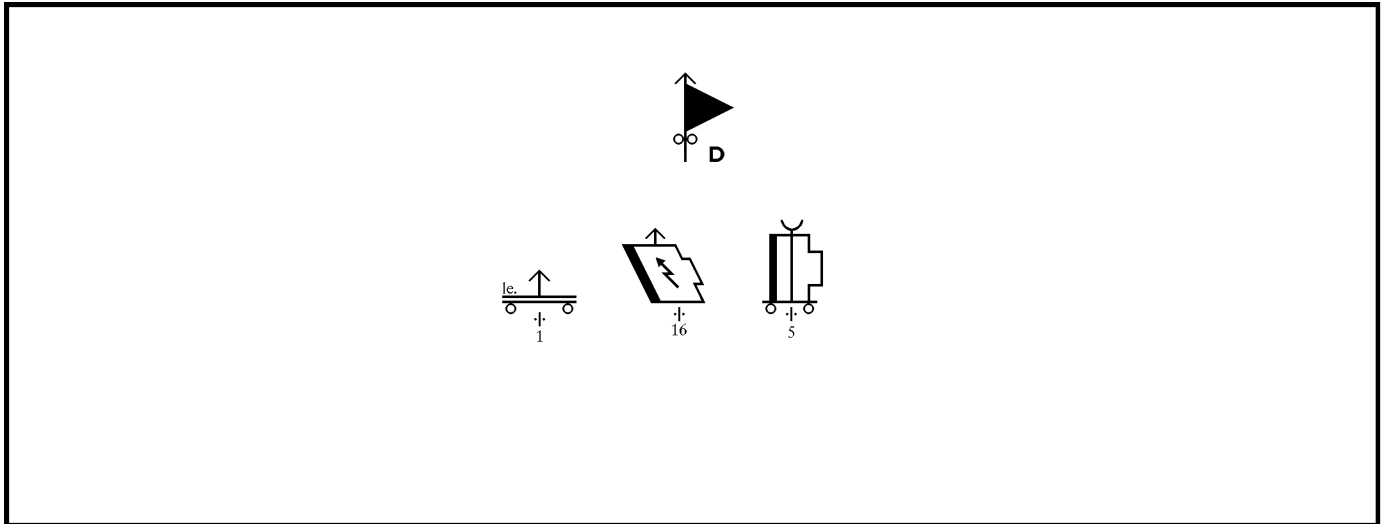
Co Hqs: 1 mcl; 1 mcl w/sc; 1 car (15); 1 truck (2-ton); 2 LMG.
 1st Tele Plt: Hqs Sect: 2 mcl; 1 car (15); 1 LMG.
 3 Tele Ops Sect *a*: 1 car (15); 1 van (17).
 3 Lt Tele Sect *b*: 1 car (2).
 2nd Tele Plt: Hqs Sect: 2 mcl; 1 car (15); 1 LMG.
 6 Hvy Tele Sect *b*: 1 car (2); 1 car (23).
 3rd Radio Plt: Hqs Sect: 2 mcl; 1 car (15); 1 LMG.
 4 Med Radio Sect *b*: 1 crar (15); 1 van (17).
 2 Lt Radio Sect *a*: 1 car (15); 1 van (17).
 4th Radio Plt: Hqs Sect: 2 mcl; 1 car (15); 1 LMG.
 2 Med Radio Sect *b/f*: 1 crar (15); 1 van (17).
 4 Lt Radio Sect *a*: 1 car (15); 1 van (17).
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Co Trains: 1 mcl; 1 truck (light); 4 trucks (medium).

NOTES:

The composition of the signal units of the SS formations are indicated below.

| Formation | Signal Company | Telephony Company | Radio Company |
|------------|------------------------------|-------------------|---------------|
| SS-DR Div | – | Mot | Mot |
| SS-T Div | – | Mot | Mot |
| SS-W Div | – | Mot | Mot |
| 1. SS Brig | 51st SS Signal Company (mot) | | |
| 2. SS Brig | 52nd SS Signal Company (mot) | | |

LSSAH-DIVISIONS-NACHRICHTEN-ABTEILUNG
LSSAH Armored Divisional Signal Battalion

**KStN 807**

1.11.1941

Headquarters, Motorized Divisional Signal Battalion

Bn Hqs: 2 mcl; 1 car (light); 2 cars (15); 2 trucks (2-ton).
 Bn Maint Det: 1 mcl w/sc; 1 car (2/40); 1 car (light); 2 trucks (3-ton).
 Bn Trains: 1 mcl w/sc; 4 trucks (medium); 2 trucks (3-ton); 1 ambulance (31).

KStN 971 *)

1.11.1941

Armored Radio Company (Panzer Division)

Co Hqs: 1 mcl; 1 mcl w/sc; 1 car (15); 1 truck (2-ton); 2 LMG.
 1st Plt: Hqs Sect: 2 mcl; 1 car (15).
 1 Armd Radio Det: 2 Bef-Pz-III (267); 1 Bef-Pz-III (268).
 1 Armd Command Sect: 1 SPW (251/6).
 2 Lt Armd Radio Sect c: 1 AC (260).
 2nd Plt: Hqs Sect: 2 mcl; 1 car (15).
 8 Med Armd Radio Sect b: 1 van (17); 1 AC (263).
 3rd Plt: Hqs Sect: 2 mcl; 1 car (15).
 3 Med Armd Radio Sect a: 1 van (17); 1 AC (263).
 4 Lt Armd Radio Sect d: 1 AC (261).
 Maint Sect: 1 mcl w/sc; 1 car (2/40); 1 truck (3-ton).
 Co Trains: 1 mcl; 1 car (15); 3 trucks (light); 2 trucks (2-ton); 2 trucks (medium); 1 van (42); 1 trailer (generator).

KStN 976

1.11.1941

Motorized Telephone Company (Panzer Division)

Co Hqs: 1 mcl; 1 mcl w/sc; 1 car (15); 1 truck (2-ton); 6 LMG.
 1st Plt: Hqs Sect: 2 mcl; 1 car (15).
 3 Tele Ops Sect a: 1 car (15); 1 van (17).
 3 Hvy Tele Sect a: 1 car (2); 1 car (23).
 2 Lt Radio Sect b: 1 car (15).
 2nd Plt: Hqs Sect: 2 mcl; 1 car (15).
 6 Hvy Tele Sect a: 1 car (2); 1 car (23).
 3rd Plt: Hqs Sect: 2 mcl; 1 car (15).
 1 Tele Ops Sect a: 1 car (15); 1 car (23).
 1 Hvy Tele Sect a: 1 car (15); 1 car (23).
 4 Lt Tele Sect b: 1 car (15).
 Maint Sect: 1 mcl w/sc; 1 car (2/40).
 Co Trains: 1 mcl; 3 trucks (light); 2 trucks (medium).

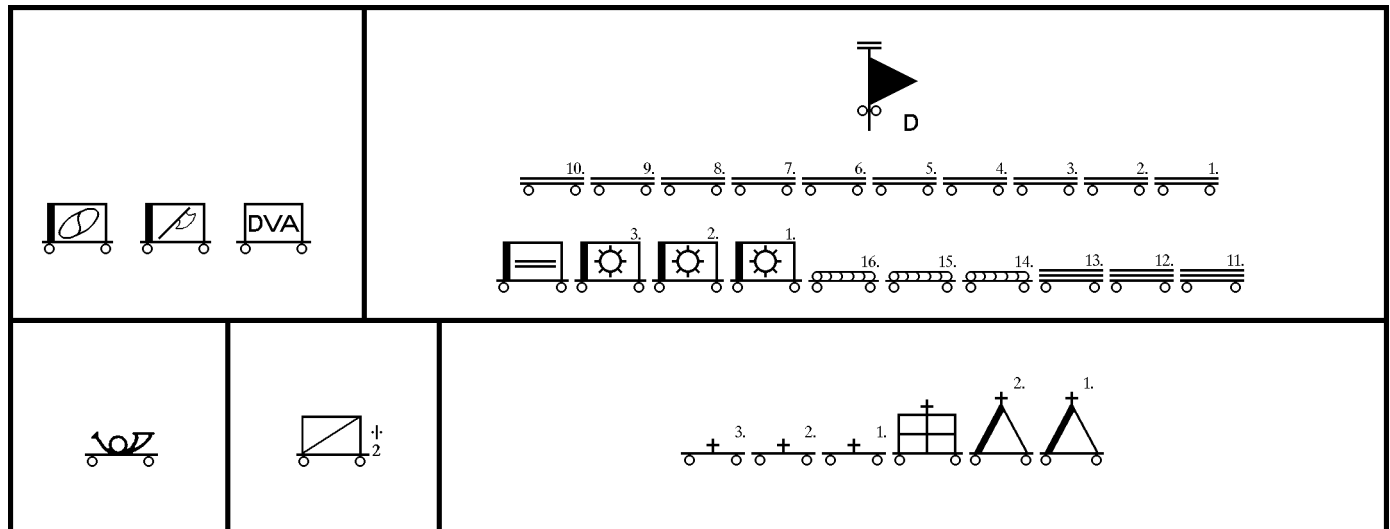
KStN 991

1.03.1942

Motorized Light Signal Transport Column (Panzer Division)

Col: 1 mcl w/sc; 1 car (light); 4 trucks (light); 3 trucks (medium); 2 vans (42); 1 trailer (generator); 1 LMG.

SS-VERSORUNGSDIENSTE
SS Support Services



- KStN 1208 *) Headquarters, Motorized Divisional Supply Battalion**
1.03.1942 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)**
1.03.1942 Col Hqs: 1 mcl; 1 mcl w/sc; 2 cars (light).
2 Sect: 5 trucks (medium).
Col Trains: 1 mcl w/sc; 1 truck (light).
- KStN 1231 *) Motorized Heavy Transport Column (60 tons)**
1.03.1942 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 1232 *) Motorized Fuel Transport Column (50 cubic meters)**
1.03.1942 Col Hqs: 1 mcl; 1 mcl w/sc; 1 car (light).
4 Sect: 5 trucks (medium – fuel).
Col Trains: 1 mcl w/sc; 1 truck (light).
- KStN 1052 Motorized Motor Maintenance Company**
1.11.1941 Co Hqs: 1 mcl; 1 car (light).
2 Maint Plt: 1 mcl w/sc; 1 car (light); 1 truck (light); 1 truck (heavy); 1 bus (medium/31 seats); 1 van (79); 1 halftrack (7);
1 trailer (cargo); 1 trailer (tool).
1 Armorer Plt: 2 mcl w/sc; 1 truck (light); 4 trucks (medium).
Co Trains: 1 mcl; 1 car (light); 3 trucks (light).
- KStN 1255 *) Motorized Supply Company**
1.02.1941 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).
- KStN 2086 Motorized Divisional Commissary Detachment**
1.02.1941 Det: 1 mcl; 4 trucks (medium).
- KStN 1282 *) Motorized Butchery Company**
1.02.1941 Co Hqs: 1 mcl; 1 mcl w/sc; 1 car (light).
2 Plt: 3 trucks (medium); 1 trailer (generator).
Co Trains: 1 mcl w/sc; 1 car (light); 3 trucks (light).
- KStN 1277 *) Motorized Bakery Company**
1.02.1941 Co Hqs: 1 mcl; 1 car (light).
2 Plt: 3 trucks (heavy); 1 truck (heavy – water); 1 bus (medium/33 seats); 1 trailer (dough mixer); 2 trailers (oven).
Co Trains: 1 mcl w/sc; 1 car (light); 3 trucks (light).
- KStN 1365 Motorized Ambulance Platoon**
1.11.1941 Plt Hqs: 1 car (light); 2 trucks (light).
3 Sect: 1 mcl; 5 ambulances (31).
- KStN 1313 *) Motorized Medical Company**
1.11.1941 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**
1.11.1941 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 2033b Motorized Military Police Detachment**
1.03.1942 Det: 12 mcl; 4 mcl w/sc; 14 cars (light); 1 truck (light); 2 LMG.
- KStN 2251 *) Motorized Field Post Detachment**
1.02.1941 Det: 3 cars (light); 1 truck (medium).

| Formation | Supply Battalion | Light Column | Fuel Column | Heavy Column | Maintenance Company | Supply Company | Medical Company | Field Hospital | Ambulance Platoon | Rations Detachment | Butchery Company | Bakery Company | Field Post | Military Police Detachment |
|-------------|------------------|--------------|-------------|--------------|---------------------|----------------|-----------------|----------------|-------------------|--------------------|------------------|----------------|------------|----------------------------|
| LSSAH Div. | LSSAH | 10 | 3 | 3 | 3 | 1 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 |
| SS-DR Div. | SS-DR | 12 | 3 | – | 3 | 1 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 |
| SS-T Div. | SS-T | 12 | 3 | – | 3 | 1 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 |
| SS-W Div. | SS-W | 12 | 3 | – | 3 | 1 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 |
| 1. SS Brig. | – | 6 | 1 | – | 2 | 1 | 1 | – | 2 | 1 | Platoon | Platoon | 1 | 1 |
| 2. SS Brig. | – | 6 | 1 | – | 2 | 1 | 1 | – | 2 | 1 | Platoon | Platoon | 1 | 1 |

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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>Steuerermässig</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 (Feldfern-kabel) « KK (FFK) » | 0.5-ton halftrack with telephone cable n/a |
| 2/2 | Kleines Kettenrad (schwere Feldfern-kabel) « 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) « <i>Hornisse</i> ; [as of 1944: <i>Nashorn</i>] » | 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) « <i>Hummel</i> » | 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 « <i>Panther</i> » | medium tank, Models D and A 75mm KwK 42 L/70 [79] |
| 171 | Panzerkampfwagen V (Panther), Ausführung G « <i>Panther</i> » | medium tank, Models G 75mm KwK 42 L/70 [82] |
| 173 | Jagdpanzer V « <i>Jagdpanther</i> » | tank destroyer on <i>Panther</i> basis 88mm Pak 43/3 L/71 [57] |
| 179 | Bergepanther « <i>Berge-Pz-V</i> » | armored recovery vehicle on <i>Panther</i> basis 20mm KwK 38 [?] |
| 181 | Panzerkampfwagen VI (Tiger I), Ausführung E « <i>Tiger I</i> » | heavy tank, Model E 88mm KwK 36 L/56 [92] |
| – | Panzer-Mörser 38cm auf VI (Tiger) « <i>Sturmiger</i> » | self-propelled heavy rocket launcher on Pz-VI(I) chassis 380mm rocket launcher [12] |
| 182 | Panzerkampfwagen VI (Tiger II), Ausführung B « <i>Tiger II</i> [aka <i>Königstiger</i>] » | heavy tank 88mm KwK 43 L/71 [72–84] |
| 184 | Panzerjäger Tiger (P) für 8,8cm Pak 43 (Ferdinand) « <i>Ferdinand</i> ; [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 « <i>Jagdtiger</i> » | 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-Pzgw. » | medium armored halftrack, observation vehicle MG [1100] |
| 251 /19 | mittlerer Fernsprech-Betriebs-Panzerwagen « m. Fs.Betr.-Pzgw. » | medium armored halftrack, telephone operations vehicle MG [1100] |
| 251 /20(I) | mittlerer Panzerwagen (Uhu) « m. Pzgw. (Uhu) » | medium armored halftrack, infrared projector vehicle MG [1100] |
| 251 /20(II) | mittlerer Panzerwagen (Falke) « m. Pzgw. (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 Räudegaszellen | trailer (1 axle) for gas bottles (gas used against mangle) |
| (1 Achsig) Anhänger für 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) für Veterinärgerät für Pferdelažarett | trailer (1 axle) civilian type, open, for veterinary equipment for veterinary hospital |
| (1 Achsig) Anhänger für V2.Abschussplattform | trailer (1 axle) for firing platform for V2 rocket units |
| (1 Achsig) Diesel-Eisbereiter als Anhänger | trailer (1 axle) for diesel powered ice maker |
| (1 Achsig) Brennschluss-Antennen-Anhänger für schiess Fernraketen-Batterien | trailer (1 axle) for antenna for establishing rocket-cut-off for V2 rocket units |
| (1 Achsig) Grosser Druckluftzerzeuger als Anhänger | trailer (1 axle) with large air compressor |
| (1 Achsig) Fallschirmjägerkarren als Anhänger für das Kettenkrad | cart (1 axle) for Kettenkrad for Fallschirmjäger (Parachute Infantry) |
| (1 Achsig) Grosse Feldküche als Anhänger | trailer (1 axle) for mobile large field kitchen range |
| (1 Achsig) Festungskabellötkarren | cart (1 axle) for Fortress Signal Troops, with soldering and other equipment |
| (1 Achsig) Festungskabelmesskarren | cart (1 axle) for Fortress Signal Troops, with calibration and other equipment |
| (1 Achsig) schweren Grabenpflug (Entgiftungspflug) als Anhänger | trailer (1 axle) heavy plow, originally for decontamination, but also used for entrenching |
| (1 Achsig) Handkarren für leichten Ladungswerfer der Pioniere | hand cart (1 axle) for light spigot mortar of the engineers |
| (1 Achsig) kleiner Kabeltrommel-Anhänger für Fernraketen-Einheit | trailer (1 axle) for light cable drums for V2 rocket units |
| (1 Achsig) Leitstrahl-Antennen-Anhänger für FR-Einheit | trailer (1 axle) for guiding beam antenna for V2 rocket units |
| (1 Achsig) Leitstrahl-Kontroll-Anhänger für FR-Einheit | trailer (1 axle) for guiding beam instrumentation for V2 rocket units |
| (1 Achsig) Lichtbogen-Schweissmaschinenatz auf Anhängerfahrgestell 1500 t | trailer (1 axle) arch welding equipment on chassis Model 41 (1500 kilos) |
| (1 Achsig) Maschinensatz 110/220 V 24 Kw als Anhänger fahrbar | trailer (1 axle) generator (110/220 Volts, 24 kW) |
| (1 Achsig) Maschinensatz 220 V 6,5 Kw als Anhänger fahrbar | trailer (1 axle) generator (220 Volts, 6.5 kW) |
| (1 Achsig) Maschinensatz 220 V (Wechselstrom) 15/18 KVA der Sanitätstruppe | trailer (1 axle) generator (220 Volts, AC, 15 kVA) for the Medical Troops |
| (1 Achsig) Maschinensatz 220/380 (Drehstrom) 30 Kw als Anhänger fahrbar | trailer (1 axle) generator (220/380 Volts, DC, 30 kVA) |
| (1 Achsig) Motorspritze als Anhänger fahrbar (o) | trailer (1 axle) motor water pump (civilian type) |
| (1 Achsig) Anhänger leichter Sprühanhänger | trailer (1 axle) light decontamination spray unit |
| (1 Achsig) Tragkraftspritzen-Anhänger (Tsga 8)(Bauart 1937) | trailer (1 axle) fire fighting equipment, including a portable water pump Type Tsga 8/37 |
| (1 Achsig) Tragkraftspritzen-Anhänger (Tsga 8)(Bauart 1939) | trailer (1 axle) fire fighting equipment, including a portable water pump Type Tsga 8/39 |
| (1 Achsig) Tragkraftspritzen-Anhänger (o) | trailer (1 axle) fire fighting equipment, civilian type, including a portable water pump |
| (1 Achsig) Troganhänger fürEntgiftungskraftwagen (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-Vorwärmer-Anhänger für FR-Einheit | trailer (1 axle) for warming fuel (T-Staff = Hydrogensuperoxyd) for the V2 rocket units |
| (1 Achsig) Wasser-Anhänger 100 liter | trailer (1 axle) bowser for water (1000 liters) |
| | |
| (2 Achsig) Anhänger A2 Einheits-Anhänger 1 t offen (o) | trailer (2 axle) Standard Model A2, civilian type, open (1 ton) |
| (2 Achsig) Anhänger A2 als Schlauchhaspel für Schlauchkraftwagen (Kfz. 346) | trailer (2 axle) Standard Model A2, civilian type, open (1 ton), for hoses, towed by Kfz. 346 |
| (2 Achsig) Anhänger B2 Einheits-Anhänger 3 t offen (o) | trailer (2 axle) Standard Model B2, civilian type, open (3 ton) |
| (2 Achsig) Anhänger 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) Anhänger B3 Einheits-Anhänger 4,5 t offen (o) | trailer (2 axle) Standard Model B3, civilian type, open (4.5 ton) |
| (2 Achsig) Anhänger E5 Einheits-Anhänger 5 t offen (o) | trailer (2 axle) Standard Model E5, civilian type, open, (5 ton) |
| (2 Achsig) Anhänger E8 Einheits-Anhänger 8 t offen (o) | trailer (2 axle) Standard Model E8, civilian type, open, (8 ton) |
| (2 Achsig) Anhänger mit Anlage zum Nachfüllen des Sauerstoffbedarf von Kampfflugzeuge | trailer (2 axle) for filling Oxygen into fighter planes |
| (2 Achsig) Anhänger (Langholz) für 6 Auffahrtsschienen Brückengerät I.Z. | trailer (2 axle) for 6 ramps of Type I.Z. bridge (long pole equipment) |
| (2 Achsig) Anhänger mit mittlerer Betriebsstoffkesselanlage (o) der Luftwaffe | trailer (2 axle) with medium boiler tank for aviation fuel |
| (2 Achsig) Anhänger mit schwererBetriebsstoffkesselanlage (o) der Luftwaffe | trailer (2 axle) with heavy boiler tank for aviation fuel |
| (2 Achsig) Anhänger mit Feldballonwinde 40 der Artillerie | trailer (2 axle) with winch for observation ballon Model 40 of the artillery |
| (2 Achsig) Anhänger mit Flakkommandogerät Hazemeyer der Marine | trailer (2 axle) with antiaircraft fire direction computer Model Hazemeyer |
| (2 Achsig) Anhänger mit 2cm-Flak auf Socketlafette | trailer (2 axle) for 2 cm antiaircraft gun Model 30 on pedestal base |
| (2 Achsig) Anhänger mit Kessel für Flüssigsauerstoff für Fernraketen | trailer (2 axle) with tank for Liquid Oxygen for V2 rocket units |
| (2 Achsig) Anhänger mit Kurbelmast 30m der Nachrichtentruppen | trailer (2 axle) with extendable antenna (30 meters) for the Signal Troops |
| (2 Achsig) Anhänger 1,5 t für Raupenschlepper Ost | trailer (2 axle) for Raupenschlepper Ost (1.5 ton) |
| (2 Achsig) Anhänger für Schleppboot 200 PS der Pioniere | trailer (2 axle) for towing boat (200 HP) of the Engineers |
| (2 Achsig) Anhänger schwimmfähig für Land-Wasser-Schlepper (Kässbohrer) | trailer (2 axle) for the amphibious truck ("LWS")(made by Kässbohrer) |
| (2 Achsig) Entgiftungsgeräte-Anhänger für den Entgiftungsgerätek. (Kfz. 305/12) | trailer (2 axle) for the decontamination equipment truck (Kfz. 305/12) |
| (2 Achsig) Kabeltrommel-Anhänger für FR-Einheiten | trailer (2 axle) for cable drums for V2 rocket units |
| (2 Achsig) Kfz. Werkstatt-Kessel für FR-Einheiten | trailer (2 axle) with motor maintenance shop for V2 rocket units |
| (2 Achsig) Landebahn-Leuchtanhänger | trailer (2 axle) for runway lighting |
| (2 Achsig) Luftverdichter-Anhänger für FR-Einheiten | trailer (2 axle) for air compressor for V2 rockets |
| (2 Achsig) Omnibus-Anhänger (Kässebohrer Type P4 1939) | trailer (2 axle) for motor bus (bus Model P4 1939)(made by Kässebohrer) |
| (2 Achsig) Rohrwagen 40 für 12,8cm Flak 40 | trailer (2 axle) for 12,8cm antiaircraft gun barrel |
| (2 Achsig) Sägevollgater auf Anhänger | trailer (2 axle) for mobile buzzsaw |
| (2 Achsig) Scheinwerfer-Transportwagen für Scheinwerfer G150 (alter Art) | trailer (2 axle) for 150cm searchlight Model G150 (old type) |
| (2 Achsig) Scheinwerfer-Transportwagen für Scheinwerfer G110 | trailer (2 axle) for 110cm searchlight Model G110 |
| (2 Achsig) Strabo-Kran 16t als Anhänger | trailer (2 axle) for 16 ton collapsible crane (made by Strabo) |
| (2 Achsig) Tragflächen-Transportanhänger a & b (Bauart 39) | trailer (2 axle) for transport of aircraft wings Type a and b, Model 39 |
| (2 Achsig) V2 Transport-Anhänger Vidal | trailer (2 axle) for transporting a V2 rocket (made by Vidal) |
| (2 Achsig) Wasserstoffverdichter-Anhänger 41+42 | trailer (2 axle) for Hydrogen compression Model 41+42 |
| (2 Achsig) Wasserstoffentwickler-Anhänger 40+41 | trailer (2 axle) for Hydrogen developing Model 40+41 |
| | |
| (3 Achsig) Anhänger 8 t für 800 PS Motorboot 43 | trailer (3 axle) (8 ton) for motor boat Model 53 (800 HP) |
| (3 Achsig) Anhänger offen (o) mit Nutzlast 11.000 kg | trailer (3 axle) cargo, civilian type, open (11 ton) |
| (3 Achsig) Anhänger mit 30-t Kran | trailer (3 axle) for 30-ton collapsible crane |
| (3 Achsig) Anhänger schwimmfähig mit Nutzlast von 10 t | trailer (3 axle) amphibious (10 ton) |
| (3 Achsig) Anhänger schwimmfähig mit Nutzlast von 20 t | trailer (3 axle) amphibious (20 ton) |
| (3 Achsig) Anhänger für die Fernrakete A4 (V2) Fabrikat Meiller | trailer (3 axle) for transporting a V2 rocket (made by Meiller) |
| (4 Achsig) Anhänger für schwere Lasten Culemeyer | trailer (4 axle) for heavy cargo (made by Culemeyer) |
| (6 Achsig) Anhänger für schwere Lasten Culemeyer bis 60 t | trailer (6 axle) for heavy cargo (60 ton) (made by Culemeyer) |
| (6 Achsig) Anhänger für schwere Lasten Gothaer Waggonfabrik bis 60 t | trailer (6 axle) for heavy cargo (60 ton) (made by Gothaer Waggonfabrik) |
| (Mehrachts) Anhänger für schwere Lasten bis 110 t | trailer (multi-axle) for heavy cargo (110 ton) |
| (Mehrachts) Anhänger für schwere Lasten bis 150 t | trailer (multi-axle) for heavy cargo (150 ton) |
| (Mehrachts) Anhänger mit geschlossenem Aufbau für Zinkdruckrotationspresse | trailers (multi-axle) with enclosed body for zincograph rotating printing press |

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|---|--|
| 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) für 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 | Nachrichtengerätswagen (gefedert) | signal equipment wagon (sprung) |
| | Pioniergerätswagen (gefedert) | engineer equipment wagon (sprung) |
| | Vermessungsgerätswagen (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-Gerätswagen | observation equipment wagon |
| Hf 1/11 | grosser Gefechtswagen | large combat wagon |
| used as | Nachrichtengerätswagen | signal equipment wagon |
| Hf 1/13 | grosser Fahnschmiedwagen | 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 | Gerätswagen | 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 | Nachrichtengerätswagen (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 Fahnschmiedwagen | 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 Fahnschmiedwagen (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 Infanteriegeschützprotze | 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
 Brieffaubenmeister 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 | Richtkreisunteroﬃzler | 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 |
| Getreibeschlosser | 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 |