

* Although KStN 1175(Sd) dated 1 Feb 1941 called for 3 Medium Tank Platoons, no Medium Tank Companies actually had more than 2 Pz IV platoons (10 tanks) on the 22nd June 1941.
^ Reserve Tank Detachment. In Practice, few if any Panzer Battalions actually had a Reserve Tank Detachment with any tanks in the field during Operation Barbarossa (refer to the TOE of individual Pz Divisions).
** <i>Stabskompanie</i> (HQ Co Pz Battalion). Includes Company HQ, Light Tank Platoon, Signal Platoon, Scout Platoon (motorcycles), Engineering Platoon, AA Platoon and all company support elements.
The AA Plt had 4 dual mounted LMG's on Light Transports, (Kfz.4).
^^ Includes Tank Battalion HQ.
^^ Includes Panzer Regiment HQ and Panzer Regiment Tank Maintenance and Recovery Company
^^ Includes Heavy Company HQ, 1x Antitank Platoon, 1x Infantry Gun Platoon, 1x Engineer Platoon and all Company support elements.
^^^ Includes Battalion HQ with Signal Detachment, Battalion Maintenance Detachment and HQ Trains.
^^^ Motorised Infantry Regiment HQ Company includes Company HQ, 1x Signal Platoon, 1x Engineer Platoon, 1x Motorcycle Platoon (messenger), Company Maintenance Section and Company Trains.
^^^ Includes Motorised Infantry Regiment HQ
^^^ Armoured Heavy Company, includes: Heavy Company HQ, 1x Armoured Antitank Platoon, 1x Armoured Infantry Gun Platoon, 1x Armoured Combat Engineer Platoon and all Company support elements.
^^^ Includes Battalion HQ with Signal Detachment, Battalion Maintenance Detachment and HQ Trains.
^^^ The Armoured Reconnaissance Battalion includes the Battalion HQ, 1x Signal Platoon, 1x Armoured Car Company, 1x Motorcycle Infantry Company,
1x Motorised Heavy Company and 1x Light Reconnaissance Column.
-- Motorcycle Infantry Battalion includes: Battalion HQ, 3x Motorcycle Infantry Companies, 1x Motorcycle MG Company and 1x Heavy Company.
The later includes Company HQ, 1x Antitank Platoon, 1x Infantry Gun Platoon and 1x Engineer Platoon.
-- Anti Tank Battalion includes the Battalion HQ, 1x Signal Platoon and 3x Anti Tank Companies. 2 Panzer divisions had an additional Heavy AT Rifle Platoon in their Anti Tank Battalions.
-- The Artillery Regiment includes the Artillery Regiment HQ, HQ Battery (with a Signal Platoon), 1x Motorised Artillery Observation Battery, 2x Light Artillery Battalions and 1x Heavy Artillery Battalion.
On the 22nd June 1941, some Artillery Regiments were still in the process of converting from an earlier KStN which only called for a Signal Platoon in place of the HQ Battery.
For the purposes of this analysis, it is assumed that all the Pz Division's Artillery Regiments were 'authorised' the HQ Battery, although some had not yet fully converted.
7 Panzer Divisions had a Battery of 105mm Gun K 18s in place of a Battery of 150mm How sFH 18s in their Heavy Artillery Battalion (refer individual Pz Division TOEs for details).
The LMGs were usually dual mounted on cross country Light Transports for AA defence, (Kfz 4s)
*-- The Armoured Combat Engineer Battalion includes the Battalion HQ, 2x Light Combat Engineer Companies, 1x Armoured Combat Engineer Company, 1 Engineer Supply Column (Pz Division),
1x Mot Type B Bridge Column and 1x Mot Type K Bridge Column. The Sd. Kfz 251/5 and 7 were adapted to the combat pioneer role with small assault bridges and mines etc.
The Pz I (Pio) were Pz Mk Is adapted for pioneer 'demolition' duties and designated <i>Ladungsleger auf Panzerkampfwagen I Ausf B</i> . The original <i>Panzerkampfwagen I</i> armament was retained.
**-- Armoured Signal Battalion, includes Battalion HQ, 1x Armoured Radio Company, 1x Armoured Signal Company and 1x Light Signal Transport Column.
Armoured radio cars or similarly (radio) equipped transports usually replaced the PzBefWg III (Sd Kfz 266-268) due to shortages of the later, which were reserved primarily for the Panzer Regiments.
*-- Includes the following (all motorised):
i) Panzer Division HQ, 1x Divisional Mapping Detachment, and Motorised Infantry Brigade HQ (Shutzen-Brigade HQ controlling the division's 2 Motorised Infantry Regiments).
ii) HQ Divisional Supply Battalion, 9x Transport Columns (30 ton), 2x Transport Columns (60 ton), 3x Fuel Transport (POL) Columns (25 m3), 3x Motor Maintenance Companies, and 1x Supply Company
1x Divisional Commissary Detachment, 1x Butcher Company, 1x Baker Company, 1x MP Platoon (incl motorcycles) and 1x Field Post Detachment.
iii) Medical services, made up of 2x Medical Companies and 3x Ambulance Platoons.
**** The Sd. Kfz 250 was not available in June 1941 as manufacture had just started in that month. In practise (in 1941) it was usually replaced by the range of available
transport vehicles such as Kfz. 15, 16, and 70. Sd. Kfz 250s usually had an additional detachable LMG mounted on the top front.
**** Sd. Kfz 251's usually had at least one additional detachable LMG mounted on the top front. Examples are Sd. Kfz 251/1, (HMG carrier), Sd. Kfz 251/2, (81mm Mortar carrier), Sd. Kfz 251/4 (IG towing vehicle).
**** The 1941 Panzer Division had over 1350 motorcycles. Many of these were heavy motorcycles equipped with powered wheel sidecars and detachable LMG's.
A typical German Motorcycle Infantry Squad (with a squad LMG) usually used 4 motorcycles with sidecars, and occasionally 8 motorcycles.
**** The <i>Bruckenleger IV</i> utilised a Pz IV tank hull to transport and position a 11m heavy bridge span. Only 20 units were ever manufactured but 16 were reconverted back to Pz IV tanks.
**** Light Halftracks include 29 Sd.Kfz 10 (1 ton) halftracks and 30 Sd.Kfz 11 (3 ton) halftracks. The Sd.Kfz 11 halftracks were all in the Artillery Regiment's 6 Light Field Howitzer Batteries (105mm howitzers).
**** Medium Halftracks were all Sd.Kfz 7 (8 ton).
**** Heavy halftracks were all Sd.Kfz 9 (18 ton), and they were all in the recovery and maintenance units in the Panzer Regiment.
Tank maintenance and recovery platoons used the Sd.Anh. 115 (10-12 ton) tank transporter trailers for light tanks, and the Sd.Anh. 116 (22 ton) tank transporter trailers for medium tanks.
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