

































## Panzer 44 expansion: Soviet units description

|  |   |
|--|---|
|  82mm 001<br>2 H 10<br>2 1  | Mortar Platoon - 6 x 82mm mortars, 18 men   |
|  120mm 011<br>2 H 20<br>2 0 | Heavy mortar Battery - 4 x 120mm mortars<br>16 men  |
|  76i 021<br>1 H 12<br>2 0   | Infantry gun battery - 4 x 76.2mm L16<br>infantry guns, 16 men  |
|  37 031<br>2 H 15<br>2 0    | Anti aircraft battery - 4 x 37mm AA guns,<br>12 men   |
|  76f 041<br>2 H 30<br>2 0   | Light field gun battery - 76.2mm<br>field guns, 36 men. The standard ZIS-3 gun.   |
|  122f 051<br>5 H 60<br>2 0  | Field gun battery - 6 x 122mm field<br>guns, 36 men   |
|  45a 061<br>5 A 5<br>2 0    | Light anti tank gun battery - 4 x 45mm L66<br>a/t guns; improved version of 45mm L46  |
|  57a 071<br>7 M 6<br>2 0   | Light anti tank gun battery - 4 x 57mm L73 ZIS-2<br>a/t guns, 16 men; produced from 1943.   |
|  76a 081<br>6 M 6<br>2 0  | Anti tank gun battery - 4 x 76.2 mm L41<br>a/t guns, 20 men; a/t version of the ZIS-3 gun   |
|  85a 091<br>8 M 8<br>2 0  | Anti tank gun battery - 4 x 85mm L53<br>a/t guns, 20 men; introduced late in the war.   |
|  Rli 101<br>3 R 2<br>5 1  | Demi-company from the line rifle division, 50<br>men, M1930 rifle, LMGs, grenades, a/t mines.   |
|  Gds 111<br>4 R 3<br>6 1  | Demi-company from a guards rifle division, 60<br>men, more automatic weapons than the line<br>rifle companies and more experienced troops.  |
|  SMG 121<br>5 R 1<br>5 1  | Tanko desanti demi-company, 40, PPsh-41 SMG,<br>7.62mm LMG, grenades and A/T mines, RPGs in<br>1945; the Soviets were short of transport so they<br>were trained to ride the tanks. |
|  Cav 131<br>3 R 2<br>3 4  | Horse cavalry platoon, 30 men/horses, PPsh-41<br>SMG, grenades, LMGs, M1930 rifles.   |
|  ATP 141<br>4 P 1<br>2 0  | Anti tank platoon - 1 per rifle company - 32 men,<br>PPsh-41 SMG, PTRD a/t rifles, a/t mines, Molotov<br>cocktails, sticky bombs, RPGs in 1945.                                     |
|  Eng 151<br>3 R 1<br>3 1  | Engineer platoon, 30 men, PPsh-41 SMG, flame<br>throwers, explosive charges; in short supply.   |
|  MG 161<br>4 R 5<br>2 1   | MMG/HMG platoon; 1 per rifle company; 4 x<br>12.7mm DshK HMG or 7.62mm Maxim or<br>SG43 MMG, 12 - 16 men.   |

|   |  |
|---|--|
|  BM13 201<br>6 H 30<br>1 6         | Rocket battery, 4 x BM-13 mounting M-13<br>132mm MRL; mounted on Zil or lend-lease<br>Studebaker US6 2.5 ton trucks; the 'Katyusha'  |
|  SU152 211<br>8 H 10<br>[10] 4     | Heavy SU battery 4-5xSu152 assault guns; 152mm<br>L32 gun-howitzer on Kv-1 chassis, 45 tonnes. Found<br>in Independent Heavy Self-propelled Artillery<br>Regiments, 21 per regiment. |
|  JSU152 221<br>8 H 10<br>[12] 4    | Heavy SU battery 4-5xJSU152 assault guns, 152mm<br>L32 on JS-2 chassis. Introduced in late 1943. 46 t.   |
|  T70 301<br>5 M 4<br>[4] 6         | Light tank demi-company, 45mm L46 gun, 9 tonnes.<br>1 man turret. Replaced in recon units by T34 in late<br>1943, still used in Su regiments and Cav/Mech groups.                    |
|  T34 311<br>8 M 7<br>[8] 8         | Medium tank demi-company, 5 T34b or T34c models<br>with 76.2mm L41 gun, 29 tons. Fast, well protected<br>and armed, came as a shock to the Germans in 1941.                          |
|  T34-85 321<br>9 M 9<br>[9] 8      | Medium tank demi-company, 5 T34/85 with 85mm<br>L53 gun in new 3 man turret, 32 tons.  |
|  KV1 331<br>8 M 7<br>[11] 4        | Heavy tank platoon, 5 x Kv-1 tanks with 76mm L41,<br>45 tonnes; heavily armoured, it outclassed the PzIII &<br>PzIV, but so did the cheaper T34.                                     |
|  KV85 341<br>9 M 9<br>[9] 5       | Heavy tank platoon, 5 x Kv-85 with 85mm L53. 46<br>tonnes. An emergency upgrade of the lighter Kv-1S<br>in late 1943, only 128 built. Replaced by JS-2.                              |
|  JS2 351<br>11 M 11<br>[12] 4    | Heavy tank platoon, 5 x JS-2 heavy tanks with 122mm<br>L43 gun, 46 tonnes, assigned to independent heavy<br>tank breakthrough regiments with 21 tanks.                               |
|  JS3 361<br>11 M 11<br>[13] 4    | Heavy tank platoon, 5 x JS-3 with 122mm L43 gun,<br>improved armour layout and new saucer shaped<br>turret seen in all Soviet post war tanks.  |
|  SU76 401<br>8 M 7<br>[4]* 6     | Light SU battery 4 or 5 x Su76 assault guns, 76.2mm<br>L41 gun in open top mounting on T70 chassis, 10t.   |
|  SU85 411<br>9 A 9<br>[8] 8      | Medium SU battery, 4 x Su 85 tank destroyers with<br>85mm L53gun on T34 chassis. 29 tonnes.  |
|  SU100 421<br>10 A 10<br>[10] 7  | Medium SU battery, 4 x Su 100 t/d with 100mm L60<br>gun, used T34/85 chassis. Replaced Su85 starting<br>late 1944.   |
|  SU122 431<br>5 M 10<br>[8] 6    | Heavy Su battery, 4-5 Su 122 assault guns, 122mm<br>L22 howitzer, 30 tonnes. Heat round for this gun was<br>a disappointment, but performed an a/t role. Built on<br>T34 chassis.    |
|  JSU122 441<br>11 M 11<br>[12] 4 | Heavy Su battery, 5 x JSU122 with 122mm L43. 45t.<br>Due to a shortage of 152mm guns, many ISU hulls<br>were fitted with a 122mm gun.  |
|  BA10 501<br>5 M 4<br>[5] 7      | Armoured car demi company, 7 BA10 with 45mm L46<br>gun, envisaged to have an anti tank role, generally<br>replaced by light tanks after early 1942. 5 tonnes.                        |
|  BA64 511<br>2 R 4<br>[1]* 8     | Light AC company, 8 x BA64 4 wheel drive vehicles<br>armed with a 7.62mm turret machine gun. Used from<br>1942 until the 1960s. 2 tonnes, 80 kmh road speed.                         |

## Panzer 44 expansion counters: additional German units

|   |  |
|---|--|
| Nrfr 083<br><br>6 H 30<br>1 0          | Rocket battery; 6 x Nebelwerfer 150mm 6 barrelled rocket launchers, 24 men; mounted on light a/t gun mounting, could be towed by light vehicles. concentrated in independent rocket artillery regiments; named 'nebelwerfer', meaning smoke projector, as a disinformation device.   |
| 76a 091<br><br>7 H 6<br>2 0            | Medium a/t gun battery, 4 x captured Soviet 76mm a/t guns rechambered to use German 75mm a/t gun ammunition and modified to improve their effectiveness, designated 7.62 cm PaK 36(r), when these guns reached the battlefield in April 1942 they could destroy any contemporary tank at ranges under 1000m.   |
| StpIV 233<br><br>3 H 20<br>[8] 5       | Assault gun battery; 4 x Sturmpanzer IV Brummbär, 15cm StuH 43 mounted on PzIV chassis/hull; 28 tons; Issued to 4 independent Sturmpanzerabteilung, #216 fought at Kursk, #s 217-219 were formed later.  |
| FpIV/37 243<br><br>2 H 20<br>[3]* 5    | Self propelled AA platoon; 4 x Flakpanzer IV/3.7 'Ostwind' mounting the 3.7cm L60 in an open topped turret; entered service December 1944, issued to the Flugabwehrzug (AA platoons) of the panzer regiments. 25 tons.   |
| PzII L 351<br><br>3 M 5<br>[4] 7       | Light tank platoon; 5-7 x Panzer III L 'Luchs' (Lynx) light tanks; 2cm L55 auto-canon; 13 tons. Originally ordered in 1939 as a tracked armoured recon vehicle developed from the Panzer II, by the time it arrived in 1943 it was obsolete. 100 produced, plans for 700 more mounting the 5cm L60 gun (designated 'Leopard') were scrapped.   |
| PzIII M 361<br><br>6 M 7<br>[6] 5      | Medium tank platoon; 4 x late mark Panzer III L or M; 5cm L60 gun; 23 tons; 432 fought at Kursk, along side 841 Pz IV with 'long' 75s; was issued to the newly formed panzer regiments of the 1st, 2nd and 3rd SS panzer divisions for the Kursk offensive, and served in Sicily with the HG and 15th PzG; later replaced by Pz IV & Pz V.   |
| PzIV 371<br><br>5 H 5<br>[6] 5         | CS tank platoon; 4 x Panzer IVF infantry support tanks; 7.5cm L24; 22 tons; the last Pz IV mark in original CS tank configuration; 60 were left on the eastern front in July 1943. Replaced by Pz III N, which took over the short 7.5cm guns made available when early mark Pz IV were rebuilt with long calibre 7.5cm or converted to SPG mounts.  |
| PzIV2 381<br><br>8 M 10<br>[6] 5      | Medium tank platoon; 4 x Panzer IV F2; 7.5cm L43 gun; 23 tons; an emergency conversion in 1941/2 to match the superior Soviet tanks; 200 produced and most issued to front line panzer battalions as replacements. Also used in North Africa in small numbers (aka Pz IV 'special') where it was not matched until the M4 Sherman arrived.   |
| Pz38t 441<br><br>8 M 7<br>[3]* 5     | Panzerjäger battery; 6 x Panzerjäger 38(t), also named Marder III; 7.62cm L41(r) captured Soviet a/t gun mounted on Czech Pz 38 hull; another emergency conversion in 1942, about 350 were produced; crude but effective, some were also sent to the North Africa where they were able to defeat the front armour of the Matilda tank. 11 tons.  |
| PzII 451<br><br>8 M 7<br>[2]* 5      | Panzerjäger battery; 6 x Panzerjäger II, aka Marder II; PzII chassis, 7.5 L46 a/t gun in shielded gun mounting, 11 tons. 651 produced/converted, served from July 1942 to 1945. All the Marders served in the panzerjäger abteilung of all types of divisions; detachment may be a better description than battery.  |
| Pz38M 461<br><br>9 M 10<br>[4]* 5    | Panzerjäger battery; 6 x Panzerjäger 38(t) M; 7.5 cm L46 gun mounted on modified Pz38(t) chassis. 10.5 tons. The best of the "Marder" emergency series, "M" (for 'mitte' ) indicated the engine had been repositioned at the centre of the chassis, and the fighting compartment to the rear and lowered to deck level.  |
| Jp38t 471<br><br>9 M 10<br>[9] 4     | Jagdpanzer detachment; 6 x Jagdpanzer 38(t) Hetzer ('Biter'); 7.5cm L48 gun in fully armoured mounting on re-designed Pz38(t) chassis with height lowered and hull widened; 16 tons; entering service July 1944, it was intended to replace all the existing open topped panzerjägers and towed a/t guns, 1000 per month build target for June '45.  |
| PzIV/88 481<br><br>11 M 12<br>[4]* 5 | Schwere panzerjäger detachment; 4 x Panzerjäger III/IV mit 8.8 cm L71, in an open topped fighting compartment; 24 tons; 494 produced, issued from summer 1943 to the independent schwere (heavy) panzerjägerabteilung; originally named Hornisse (Hornet), the Nashorn (Rhinceros) was another emergency conversion. Served to '45.  |
| PzVI(P) 491<br><br>11 M 12<br>[13] 3 | Schwere assault gun detachment; 4 x Panzerjäger VI P heavy assault guns; 8.8cm L71; 65 tons; Porsche built 90 chassis for its design for the PzVIA Tiger 1; when the Henschel model was selected, but could not mount the long 8.8 in its turret, the Porsche chassis were used to produce the 'Elefant'. Firepower and protection were stressed over mobility, fought at Kursk. Basically an immobile failure as an AFV. Lacked an MG, added later. |
| 222 531<br><br>2 M 5<br>[2]* 8       | Armoured car platoon; 7 x Sdkfz 222 4 wheel drive light armoured cars; 2cm L55 in open turret; 5 tons; issued to the panzerspahwagen squadrons of the aufklarungs battalions. Built from 1939 to 43, and served to '45.  |

## Panzer 44 East Front Expansion

|                                   |                                   |                                    |                                   |                                   |                                  |                                    |                                      |                                      |                                   |
|-----------------------------------|-----------------------------------|------------------------------------|-----------------------------------|-----------------------------------|----------------------------------|------------------------------------|--------------------------------------|--------------------------------------|-----------------------------------|
| 82m 001<br>2<br>2<br>H 10<br>1    | 82m 002<br>2<br>2<br>H 10<br>1    | 120m 011<br>2<br>2<br>H 20<br>0    | 120m 012<br>2<br>2<br>H 20<br>0   | 76 021<br>1<br>1<br>H 12<br>0     | 37 031<br>2<br>2<br>H 15<br>0    | 76f 041<br>2<br>2<br>H 30<br>0     | 76f 042<br>2<br>2<br>H 30<br>0       | 122f 051<br>5<br>5<br>H 60<br>0      | 122f 052<br>5<br>5<br>H 60<br>0   |
| 122f 053<br>5<br>5<br>H 60<br>0   | 122f 054<br>5<br>5<br>H 60<br>0   | 45a 061<br>5<br>5<br>A 5<br>2      | 45a 062<br>5<br>5<br>A 5<br>2     | 57a 071<br>7<br>7<br>M 6<br>2     | 57a 072<br>7<br>7<br>M 6<br>2    | 76a 081<br>6<br>6<br>M 5<br>0      | 76a 082<br>6<br>6<br>M 5<br>0        | 85a 091<br>8<br>8<br>M 8<br>0        | Rn 101<br>3<br>3<br>R 2<br>1      |
| Rn 102<br>3<br>3<br>R 2<br>5      | Rn 103<br>3<br>3<br>R 2<br>5      | Rn 104<br>3<br>3<br>R 2<br>5       | Rn 106<br>3<br>3<br>R 2<br>5      | Rn 106<br>3<br>3<br>R 2<br>5      | Gds 111<br>4<br>4<br>R 3<br>6    | Gds 112<br>4<br>4<br>R 3<br>6      | Gds 113<br>4<br>4<br>R 3<br>6        | Gds 114<br>4<br>4<br>R 3<br>6        | Gds 115<br>4<br>4<br>R 3<br>6     |
| Gds 116<br>4<br>4<br>R 3<br>6     | SMG 121<br>5<br>5<br>R 1<br>1     | SMG 122<br>5<br>5<br>R 1<br>1      | SMG 123<br>5<br>5<br>R 1<br>1     | SMG 124<br>5<br>5<br>R 1<br>1     | SMG 125<br>5<br>5<br>R 1<br>1    | SMG 126<br>5<br>5<br>R 1<br>1      | Civ 131<br>3<br>3<br>R 2<br>4        | Civ 132<br>3<br>3<br>R 2<br>4        | ATP 141<br>4<br>4<br>P 1<br>2     |
| ATP 142<br>4<br>4<br>P 1<br>2     | ATP 143<br>4<br>4<br>P 1<br>2     | Eng 151<br>3<br>3<br>R 1<br>1      | MG 161<br>4<br>4<br>R 5<br>2      | MG 162<br>4<br>4<br>R 5<br>2      | MG 163<br>4<br>4<br>R 5<br>2     | BM13 201<br>6<br>6<br>H 30<br>1    | SU152 211<br>8<br>8<br>H 10<br>10    | SU152 221<br>8<br>8<br>H 10<br>12    | T70 301<br>5<br>5<br>M 4<br>6     |
| T70 302<br>5<br>5<br>M 4<br>6     | T34 311<br>8<br>8<br>M 7<br>8     | T34 312<br>8<br>8<br>M 7<br>8      | T34 313<br>8<br>8<br>M 7<br>8     | T34 314<br>8<br>8<br>M 7<br>8     | T34 315<br>8<br>8<br>M 7<br>8    | T34 316<br>8<br>8<br>M 7<br>8      | T34/85 321<br>9<br>9<br>M 9<br>8     | T34/85 322<br>9<br>9<br>M 9<br>8     | T34/85 323<br>9<br>9<br>M 9<br>8  |
| T34/85 324<br>9<br>9<br>M 9<br>8  | T34/85 325<br>9<br>9<br>M 9<br>8  | T34/85 326<br>9<br>9<br>M 9<br>8   | KV1 331<br>8<br>8<br>M 7<br>11    | KV1 332<br>8<br>8<br>M 7<br>11    | KV1 333<br>8<br>8<br>M 7<br>11   | KV1 334<br>8<br>8<br>M 7<br>11     | KV85 341<br>9<br>9<br>M 9<br>5       | KV85 342<br>9<br>9<br>M 9<br>5       | J5r 351<br>11<br>11<br>M 11<br>12 |
| J5r 352<br>11<br>11<br>M 11<br>12 | J5r 353<br>11<br>11<br>M 11<br>12 | J5r 354<br>11<br>11<br>M 11<br>12  | J5r 361<br>11<br>11<br>M 11<br>13 | J5r 362<br>11<br>11<br>M 11<br>13 | SU76 401<br>8<br>8<br>M 7<br>4   | SU76 402<br>8<br>8<br>M 7<br>4     | SU76 403<br>8<br>8<br>M 7<br>4       | SU76 404<br>8<br>8<br>M 7<br>4       | SU76 405<br>8<br>8<br>M 7<br>4    |
| SU85 411<br>9<br>9<br>A 9<br>8    | SU85 412<br>9<br>9<br>A 9<br>8    | SU100 421<br>10<br>10<br>A 10<br>7 | SU122 431<br>5<br>5<br>M 10<br>8  | SU122 432<br>5<br>5<br>M 10<br>8  | SU122 433<br>5<br>5<br>M 10<br>8 | SU122 434<br>5<br>5<br>M 10<br>8   | SU122 441<br>11<br>11<br>M 11<br>12  | SU122 442<br>11<br>11<br>M 11<br>12  | BA10 501<br>5<br>5<br>M 4<br>7    |
| BA10 502<br>5<br>5<br>M 4<br>7    | BA64 511<br>2<br>2<br>R 4<br>1    | BA64 512<br>2<br>2<br>R 4<br>1     | Nbr 081<br>6<br>6<br>H 30<br>1    | 76a 091<br>7<br>7<br>M 6<br>2     | StpV 231<br>3<br>3<br>H 20<br>8  | FprV/37 241<br>2<br>2<br>H 20<br>3 | PzI L 351<br>3<br>3<br>M 5<br>4      | PzII L 352<br>3<br>3<br>M 5<br>4     | PzIII 361<br>6<br>6<br>M 7<br>6   |
| PzIII 362<br>6<br>6<br>M 7<br>6   | PzIII 363<br>6<br>6<br>M 7<br>6   | PzIII 364<br>6<br>6<br>M 7<br>6    | PzIII 365<br>6<br>6<br>M 7<br>6   | PzIII 366<br>6<br>6<br>M 7<br>6   | PzIV 371<br>5<br>5<br>H 5<br>6   | PzIV 372<br>5<br>5<br>H 5<br>6     | PzIV2 381<br>8<br>8<br>M 10<br>6     | PzIV2 382<br>8<br>8<br>M 10<br>6     | Pz38t 441<br>8<br>8<br>M 7<br>3   |
| Pz38t 442<br>8<br>8<br>M 7<br>3   | PzI 451<br>8<br>8<br>M 7<br>2     | PzI 452<br>8<br>8<br>M 7<br>2      | Pz38M 461<br>9<br>9<br>M 10<br>4  | Pz38M 462<br>9<br>9<br>M 10<br>4  | Pz38t 471<br>9<br>9<br>M 10<br>9 | Pz38t 472<br>9<br>9<br>M 10<br>9   | PzIV/88 481<br>11<br>11<br>M 12<br>4 | PzIV/88 481<br>11<br>11<br>M 12<br>4 | 222 531<br>2<br>2<br>M 5<br>8     |