

A modeller's guide on how to identify -

German WWII Tank, Pak, Flak, Artillery Weapons and Ammunition.



Directions for use of the outlines:

There are three outlines.

First outline contains information on the vehicle itself, starting with the Sd Kfz. number, name/designation and what armament it carried.

Sd.Kfz. No.	Name	Armament
Sd.Kfz. 181	Pz.Kpfw. VI Ausf. E (Tiger)	Two 7,9 mm. MG 34 One 8,8 cm. Kw.K. 36 L/56

Sd.Kfz. 181 = Sonderkraftfahrzeug 181 (Special motor vehicle 181).

Pz.Kpfw. VI Ausf. E (Tiger) = Panzerkampfwagen 6 Ausführung E Tiger, (Armoured battle car 6 execution E Tiger)

7,9mm. MG34 = Maschinengewehr 34, (Machinegun 34).

8,8cm. Kw.K. 36 L/56 = 8,8 Zentimeter Kampfwagenkanone 36 Lange/56¹, (8,8 centimetre battle car gun 36 length 56).

1. Lange/56 = Length of gun without muzzle brake expressed as a multiple of the calibre - 8,8 cm. Kw.K. 36 L/56 = 88mm x 56 = 4.92m.

Second outline contains information on the gun type, in which way the ammunition was feed to the gun and how the ammunition was kept or transported by way of example:

German designation of the gun	Gun feed by	Ammunition storage
8,8 cm. Kw.K. 36 L/56	Single shot	Wooden box 3 cartridges.


8,8cm. Kw.K. 36 L/56 = 8,8 Zentimeter Kampfwagenkanone 36 Lange/56.

Single shot = The gun was feed by a single shot.

Wooden box 3 cartridges = Description on how the ammunition was kept and packed.

Third outline describes the same guns as in the two previous outlines but contains more detailed information on what kind of cartridges the gun used, colours of the cartridge case and shell, what a standard cartridge looked like, shell type and what kind of ammunition identification markings there were printed on the specific box the ammunition was transported in.

Samples of text on ammunition boxes and containers

	Cartridge	Projectile/shell type ammunition	Boxes and containers
8,8 cm. Kw.K. 36 L/56 (88x571R) <i>Fixed round.</i> CIN 6347/6347st.: Cartridge case colour 1, 4 and 8.		8,8 cm. Sprgr. Patr. Kz L/4,5 Pr. zugz. FES 8,8 cm. Sprgr. Patr. Kz L/4,5 Stg. FES 8,8 cm. Pzgr. Patr. 8,8 cm. Pzgr. Patr. 39 8,8 cm. Pzgr. Patr. 39/1 8,8 cm. Gr. Patr. 39 HI 8,8 cm. Pzgr. Patr. 40	Patr. 8,8 cm. Kw.K 36 Patr. 8,8 cm. Kw.K 36

First box:

8,8 cm. Kw.K. 36 L/56 = 8,8 Zentimeter Kampfwagenkanone 36 Lange/56.

(8,8x571R) = Calibre x length of cartridge case in cm., **R** = Rimmed case (None = Rimless, **SR** = Semi Rimmed, **RB** = Rebated, **B** = Belted case¹. (The standard way of identifying fixed round cartridge ammunition).



1. Rimmed Semi-rimmed Rimless Rebated Belted

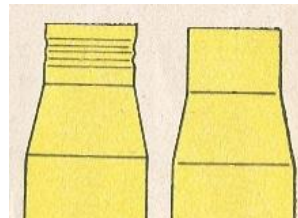
Fixed round. = The projectile/shell is firmly attached to the cartridge case and is loaded into the gun as a unit.

CIN 6347/6347st = Case identification number (German case manufacturer's code number), **6347** = Brass id number, **6347st** = Stahl (steel) steel case id number.

Cartridge case colour: **1.** = Cartridge is made of drawn brass and the colour is therefore brass. **4** = Cartridge is made of drawn steel, copper or brass coated and the colour is therefore brass or copper, **8** = Cartridge is made of drawn steel, zinc-coated and the colour is therefore light grey (zinc colour).

Second box:

Cartridge = Shape and look of standard cartridge. **Note:** *All the cartridges are shown unfired! Therefore are the cannelure/ cannelures shown. Cannelures can here be seen on the unfired left cartridge and on right fired one, they are gone.*



(Cannelure/cannelures - are a ring like groove or grooves in an artillery shell. This provides a means of securely crimping the cartridge case to the shell. When the cartridge is fired the cannelure/cannelures are straightened out so it/they disappear.

Third box:

8,8 cm. Pzgr. Patr. 40 = 8,8 cm. Panzergranate Patrone 40. German designation on type of shell/cartridge used by the gun.¹

Fourth box:

Patr. 8,8 cm. - Kw.K 36 = Patrone 8,8 cm. Kampfwagenkanone 36. Sample of text written on the ammunition storage/transportation box.

1. These are only samples of the types of shells used by the guns. A complete overview with prototypes and such for each gun would have been too complex.

The three outlines

Sd.Kfz. No.	Name	Armament
Sd.Kfz. 4/1	15 cm. Nebelwerfer 42 Zehning (Sfl.) on 2t. LKW. (Maultier)	One 15 cm. Nebelwerfer 42 (Zehning)
Sd.Kfz. 6/2	Selbstfahrlafette with 3,7 cm. Flak. 36/37	One 3,7 cm. Flak 36/37 L/57
Sd.Kfz. 7/1	Selbstfahrlafette with 2 cm. Flakvierling	One 2 cm. Flakvierling 38 L/65
Sd.Kfz. 7/2	Selbstfahrlafette with 3,7 cm. Flak. 36/37	One 3,7 cm. Flak 36/37 L/56
Sd.Kfz. 8	Selbstfahrlafette with 8,8 cm. Flak. 18	One 8,8 cm. Flak. 18 L/56
Sd.Kfz. 9	Selbstfahrlafette with 8,8 cm. Flak 36/37 (FAMO)	One 8,8 cm. Flak 36/37 L/56
Sd.Kfz. 10	Leichte Selbstfahrlafette with 5 cm. Pak 38	One 5 cm. Pak 38 L/60
Sd.Kfz. 10/4	Leichte Selbstfahrlafette with 2 cm. Flak. 30	One 2 cm. Flak 30 L/65

Sd.Kfz. 10/5	Leichte Selbstfahrlafette with 2 cm. Flak. 38	One 2 cm. Flak 38 L/65
Sd.Kfz. 101	Pz.Kpfw. I Ausf. A and B	Two 7,9 mm. MG 13
Sd.Kfz. 121	Pz.Kpfw. II Ausf. a/1, a/2, a/3, b, c, A, B, C, D, E, F	One 7,9 mm. MG 34 One 2 cm. Kw.K. 30 L/55
Sd.Kfz. 122	Pz.Kpfw. II Flamm. Ausf. A and B (Flamingo)	One 7,9 mm. MG 34 Two Flammenwerfer - anlagen
Sd.Kfz. 123	Pz.Kpfw. II Ausf. L (Luchs)	One 7,9 mm. MG 34 One 2 cm. Kw.K. 38 L/55 or One 2 cm. Flak 38 L/65
Sd.Kfz. 124	10 cm. le.F.H. 18 (Sfl.) on Pz.Kpfw. II (Wespe)	One 7,9 mm. MG 34 One 10 cm. le.F.H. 18/2 M L/28
Sd.Kfz. 131	7,5 cm. Pak 40 (Sfl.) on Pz.Kpfw. II (Marder II)	One 7,9 mm. MG 34 One 7,5 cm. Pak 40/2 L/46
Sd.Kfz. 132	7,62 cm. Pak 36(r) (Sfl.) on Pz.Kpfw. II	One 7,9 mm. MG 34 One 7,62 cm. Pak 36(r) L/51,5
Sd.Kfz. 135	7,5 cm. Pak 40 on Lorraine Schlepper(f) (Marder I)	One 7,9 mm. MG 34 One 7,5 cm. Pak 40/1 L/46
Sd.Kfz. 135/1	15 cm. s.F.H. 13 on Lorraine Schlepper(f)	One 7,9 mm. MG 34 One 15 cm. s.F.H. 13 L/17 or one 10 cm. le.F.H.18 L/28
Sd.Kfz. 138	7,5 cm. Pak 40 on Pz.Kpfw. 38(t) Ausf. H	One 7,9 mm. MG 37(t) One 7,5 cm. Pak 40/3 L/46
Sd.Kfz. 138	7,5 cm. Pak 40 on Pz.Kpfw. 38(t) Ausf. M (Marder III)	One 7,9 mm. MG 37(t) One 7,5 cm. Pak 40/3 L/46
Sd.Kfz. 138/1	15 cm. s.I.G. 33 (Sfl.) on Pz.Kpfw. 38(t) Ausf. H (Grille)	One 7,9 mm. MG 34 One 15 cm. s.I.G. 33/1 L/11
Sd.Kfz. 138/1	15 cm. s.I.G. 33/1 (Sfl.) 38(t) Ausf. K (Grille)	One 7,9 mm. MG 34 One 15 cm. s.I.G. 33/1 L/11
Sd.Kfz. 139	Panzerjäger 38(t) for 7,62 cm. Pak 36(r) on Pz.Kpfw. 38(t) (Marder III)	One 7,9 mm. MG 37(t) One 7,62 cm. Pak 36(r) L/51,5
Sd.Kfz. 140	Flakpanzer 38(t) on Pz.Kpfw. 38(t) Ausf. L	One 2 cm. Flak 38 L/65
Sd.Kfz. 140/1	Aufklärungspanzer on Pz.Kpfw. 38(t) with 2 cm. Kw.K 38	One 7,9 mm. MG 42 One 2 cm. Kw.K. 38 L/55
Sd.Kfz. 141	Pz.Kpfw. III Ausf. A, B, C, D, E, F	Three 7,9 mm. MG 34 One 3,7 cm. Kw.K. L/46,5
Sd.Kfz. 141	Pz.Kpfw. III Ausf. G, H, J	Two 7,9 mm. MG 34 One 5 cm. Kw.K. 38 L/42
Sd.Kfz. 141/1	Pz.Kpfw. III Ausf. J, L, M	Two 7,9 mm. MG 34 One 5 cm. KW.K 39 L/60
Sd.Kfz. 141/2	Pz.Kpfw. III Ausf. N	Two 7,9 mm. MG 34 One 7,5 cm. Kw.K. 37 L/24
Sd.Kfz. 141/3	Pz.Kpfw. III (Flamm.)	Two 7,9 mm. MG 34 One Flammenwerfer
Sd.Kfz. 142	7,5 cm. StuG III Ausf. A, B, C, D	One 7,5 cm. Stu.K. 37 L/24
Sd.Kfz. 142	7,5 cm. StuG III Ausf. E	One 7,9 mm. MG 34 One 7,5 cm. Stu.K. 37 L/24

Sd.Kfz. 142/1	7,5 cm. StuG 40 on StuG III Ausf. F	One 7,9 mm. MG 34 One 7,5 cm. Stu.K. 40 L/43 or one 7,5 cm. Stu.K. 40 L/48
Sd.Kfz. 142/1	7,5 cm. StuG 40 on StuG III Ausf. F/8, G	One 7,9 mm. MG 34 or one MG 42 One 7,5 cm. Stu.K. 40 L/48
Sd.Kfz. 142/2	10,5 cm. Sturmhaubitze 42 on StuG III Ausf. F,G	Two 7,9 mm. MG 34 One 10 cm. Stu.H. 42 L/28
Sd.Kfz. 143	Pz.Kpfw. III Artillerie-Panzerbeobachtungswagen	One 7,9 mm. MG 34 Dummy main armament
Sd.Kfz. 161	Pz.Kpfw. IV Ausf. A, D, E, F	Two 7,9 mm. MG 34 One 7,5 cm. Kw.K. 37 L/24
Sd.Kfz. 161	Pz.Kpfw. IV Ausf. B, C	One 7,9 mm. MG 34 One 7,5 cm. Kw.K. 37 L/24
Sd.Kfz. 161/1	Pz.Kpfw. IV Ausf. F2 (early name for the Ausf. G)	Two 7,9 mm. MG 34 One 7,5 cm. Kw.K. 40 L/43
Sd.Kfz. 161/1	Pz.Kpfw. IV Ausf. G	Two 7,9 mm. MG 34 One 7,5 cm. Kw.K. 40 L/43 or One 7,5 cm. Kw.K. 40 L/48
Sd.Kfz. 161/2	Pz.Kpfw. IV Ausf. H, J	Two 7,9 mm. MG 34 One 7,5 cm. Kw.K. 40 L/48
Sd.Kfz. 161/3	3,7 cm. Flak. (Sfl.) on Pz.Kpfw. IV (Möbelwagen)	One 7,9 mm. MG 42 One 3,7 cm. Flak. 43 L/57
Sd.Kfz. 162	7,5 cm. Pak 39 L/48 on Pz. Kpfw. IV (Panzerjäger IV)	One 7,9 mm. MG 42 One 7,5 cm. Pak 39 L/48
Sd.Kfz. 162/1	Panzer IV/70(V)	One 7,9 mm. MG 42 One 7,5 cm. Pak 42 L/70
Sd.Kfz. 162/1	Panzer IV/70(A)	One 7,9 mm. MG 42 One 7,5 cm. Pak 42 L/70
Sd.Kfz. 164	8,8 cm. Pak 43 (Sfl.) on Pz.Kpfw. III and IV (Hornisse/Nashorn)	One 7,9 mm. MG 34 One 8,8 cm. Pak 43/1 L/71
Sd.Kfz. 165	15 cm. s.F.H. 18 (Sfl.) on Pz.Kpfw. III und IV (Hummel)	One 7,9 mm. MG 34 One 15 cm. s.F.H. 18/1 L/29,6
Sd.Kfz. 165/1	10,5 cm. Le.F.H. 18/1 (Sf.) on Geschützwagen IVb	One 10 cm. le.F.H.18/1 L/28
Sd.Kfz. 166	StuG IV mit 15 cm. StuH.43/ Sturmpanzer (Brummbär ⁶)	Two 7,9 mm. MG 34 One 15 cm. Stu.H. 43 L/12
Sd.Kfz. 167	Sturmgeschütz IV L/48	One 7,9 mm. MG 34 or one MG 42 One 7,5 cm. Stu.K. 40 L/48
Sd.Kfz. 171	Pz.Kpfw. V Ausf. D, A, G (Panther)	Two 7,9 mm. MG 34 One 7,5 cm. Kw.K. 42 L/70
Sd.Kfz. 173	8,8 cm. Pak 43 on Pz.Kpfw. V (Jagdpanther)	One 7,9 mm. MG 34 One 8,8 cm. Pak 43/3 L/71 or one 8,8 cm. Pak 43/4 L/71
Sd.Kfz. 179	Panzer-Bergegerät on Pz.Kpfw. V Ausf. A (Bergepanther)	Two 7,9 mm. MG 34 or MG 42 One 2 cm. Kw.K. 38 L/55 ¹⁾
Sd.Kfz. 181	Pz.Kpfw. VI Ausf. E (Tiger)	Two 7,9 mm. MG 34 One 8,8 cm. Kw.K. 36 L/56
Sd.Kfz. 182	Pz.Kpfw. VI Ausf. B Tiger II (Königtiger ⁶)	Two 7,9 mm. MG 34

		One 8,8 cm. Kw.K. 43 L/71
Sd.Kfz. 184	Panzerjäger Tiger(P) (Ferdinand/Elefant)	One 7,9 mm. MG 34 One 8,8 cm. Pak 43/2 L/71
Sd.Kfz. 185	Panzerjäger Tiger with 8,8 cm. Pak 43/3 L/71 (Sf.) (Jagdpanzer IV - Jagdtiger)	One 7,9 mm. MG 34 One 7,9 mm. MG 42 One 8,8 cm. Pak 43/3 L/71
Sd.Kfz. 186	Jagdpanzer IV Ausf. B (Jagdtiger)	One 7,9 mm. MG 34 One 7,9 mm. MG 42 One 12,8 cm. Pak (PjK) 44 L/55
Sd.Kfz. 221	Leichte Panzerspähwagen	One 7,9 mm. MG 13 or 34 or one 2,8 cm. s. Pz. B. 41
Sd.Kfz. 222	Leichte Panzerspähwagen	One 7,9 mm. MG 13 or 34 One 2 cm. Kw.K. 30/38 L/55
Sd.Kfz. 223	Leichte Panzerspähwagen "funk"	One 7,9 mm. MG 13 or 34
Sd.Kfz. 231	Schwere Panzerspähwagen 6-rad	One 7,9 mm. MG 34 One 2 cm. Kw.K. 30 L/55
Sd.Kfz. 231	Schwere Panzerspähwagen 8-rad	One 7,9 mm. MG 34 One 2 cm. Kw.K. 30/38 L/55
Sd.Kfz. 232	Schwere Panzerspähwagen 6-rad "funk"	One 7,9 mm. MG 34 One 2 cm. Kw.K. 30 L/55
Sd.Kfz. 232	Schwere Panzerspähwagen 8-rad "funk"	One 7,9 mm. MG 34 One 2 cm. Kw.K. 30/38 L/55
Sd.Kfz. 233	Schwere Panzerspähwagen with 7,5 cm. Stu.K. 37	One 7,9 mm. MG 42 One 7,5 cm. Stu.K. 37 L/24
Sd.Kfz. 234/1	Schwere Panzerspähwagen with 2 cm. Kw.K. 38	One 7,9 mm. MG 42 One 2 cm. Kw.K. 38 L/55
Sd.Kfz. 234/2	Schwere Panzerspähwagen with 5 cm. Kw.K. 39 (Puma ⁶)	One 7,9 mm. MG 42 One 5 cm. Kw.K. 39/1 L/60
Sd.Kfz. 234/3	Schwere Panzerspähwagen with 7,5 cm. Kw.K. 51	One 7,9 mm. MG 34 or MG 42 One 7,5 cm. Kw.K. 51 L/24
Sd.Kfz. 234/4	Schwere Panzerspähwagen with 7,5 cm. Pak 40	One 7,9 mm. MG 34 or MG 42 One 7,5 cm. Pak 40 L/46
Sd.Kfz. 250/7	Leichte Schützenpanzerwagen with Granatwerfer	One 7,9 mm. MG 34 or MG 42 One 8 cm. s. Gr. W. 34/1
Sd.Kfz. 250/8	Leichte Schützenpanzerwagen with 7,5 cm. Kw.K. 37 or 7,5 cm. K51	One 7,9 mm. MG 34 or MG 42 One 7,5 cm. Kw.K. 37 L/24 or later one 7,5 cm. Kw.K. 51 L/24
Sd.Kfz. 250/9	Leichte Schützenpanzerwagen with 2 cm. Kw.K. 38	One 7,9 mm. MG 34 or MG 42 One 2 cm. Kw.K. 38 L/55
Sd.Kfz. 250/10	Leichte Schützenpanzerwagen with 3,7 cm. Pak 35/36	One 7,9 mm. MG 34 One 3,7 cm. Pak 35/36 L/45
Sd.Kfz. 250/11	leichte Schützenpanzerwagen with 2,8 cm. S.Pz.B. 41	One 7,9 mm. MG 34 One 2,8 cm. s. Pz. B. 41
Sd.Kfz. 251/1	Mittlere Schützenpanzerwagen with s. WR. 40 (Stuka Zu Fuss)	Two 7,9 mm. MG 34 or MG 42 Six schwere Wurfrahmen 40 ² One 3,7 cm. Pak 35/36 L/45 ³
Sd.Kfz. 251/2	Mittlere Schützenpanzerwagen with Granatwerfer	Two 7,9 mm. MG 34 or MG 42

		One 8 cm. s. Gr. W. 34/1
Sd.Kfz. 251/9	Mittlere Schützenpanzerwagen with 7,5 cm. Kw.K. 37	Two 7,9 mm. MG 34 or MG 42 One 7,5 cm. Kw.K. 37 L/24
Sd.Kfz. 251/10	Mittlere Schützenpanzerwagen with 3,7 cm. Pak 35/36	Two 7,9 mm. MG 34 or MG 42 One 3,7 cm. Pak 35/36 L/45
Sd.Kfz. 251/16	Mittlere Flammpanzerwagen	Two 7,9 mm. MG 34 or MG 42 Two 1,4 cm. Flammenwerfer One 7 mm. Flammenwerfer 42 ⁴ .
Sd.Kfz. 251/17	Mittlere Schützenpanzerwagen with 2 cm. Flak. 38	Two 7,9 mm. MG 34 or MG 42 One 2 cm. Flak 38 L/65
Sd.Kfz. 251/21	Mittlere Schützenpanzerwagen with 15 mm./2 cm. Flak. Drilling	One MG 151/15 Drilling or one MG 151/20 Drilling
Sd.Kfz. 251/22	Mittlere Schützenpanzerwagen with 7,5 cm. Pak 40	Two 7,9 mm. MG 34 or MG 42 One 7,5 cm. Pak 40 L/46
Vehicles without Sd.Kfz. number		
	15 cm. s.I.G. 33 (Sfl.) on Pz.Kpfw. I Ausf. B (Bison I ⁶)	One 15 cm. s.I.G. 33 L/11
	4,7 cm. Pak (t) (Sfl.) on Pz.Kpfw. I Ausf. B (Panzerjäger I)	One 4,7 cm. Pak (t) L/43,4
	Pz.Kpfw. I Ausf. A with 2 cm. Flak. 38 (Flakpanzer I ⁶)	One 2 cm. Flak 38 L/65
	Pz.Kpfw. I Ausf. F	Two 7,9 mm. MG34
	Pz.Kpfw. I Ausf. C/ Pz.Kpfw. I nA (VK601)	One EW 141 (Gerät 318) One 7,9 mm. MG 34
	Pz.Kpfw. II Ausf. G Pz.Kpfw. II nA (VK901)	One EW 141 (Gerät 318) One 7,9 mm. MG 34
	Pz.Kpfw. II Ausf. J	One 7,9 mm. MG 34 One 2 cm. Kw.K. 38 L/55
	15 cm. s.I.G. 33 (Sfl.) on Pz.Kpfw. II (Bison II ⁶)	One 7,9 mm. MG 34 One 15 cm. s.I.G. 33 L/11
	Sturminfanteriegeschütz 33 on StuG III E, F/8	One 7,9 mm. MG 34 One 15 cm. s.I.G. 33 L/11
	2 cm. Flakvierling (Sfl.) on Pz.Kpfw IV	One 2 cm. Flakvierling 38 L/65
	Flakpanzer IV (Wirbelwind)	One 7,9 mm. MG 34 One 2 cm. Flakvierling 38 L/65
	Flakpanzer IV (Ostwind)	One 7,9 mm. MG 34 One 3,7 cm. Flak. 43 L/57
	3,7 cm. Flakzwillig (Sfl.) on Pz.Kpfw IV (Ostwind II)	One 3,7 cm. Flakzwillig 44 L/57
	Leichte Flakpanzer IV (3cm.) (Kugelblitz)	Two 3 cm. Mk103/38 One 7,9 mm. MG34
	10,5 cm. K18 (Sfl.) on Pz.Kpfw. IVa (Dicker Max ⁶)	One 7,9 mm. MG 34 One 10 cm. K18 L/52
	3,7 cm. Flak. 43 (Sfl.) on Schwere Wehrmachtschlepper (SWS)	One 3,7 cm. Flak. 43 L/57
	10,5 cm. Le.F.H. 18/1 L/28 on Waffenträger GW IVb (Heuschrecke ⁶)	One 10 cm. le.F.H.18/1 L/28
	Pz.Kpfw. 35(t).	Two 7,9 mm. MG 37(t) One 3,7 cm. Kw.K. 34(t) (A3) L/40
	Pz.Kpfw. 38(t) Ausf. A, B, C, D, E, F, S, G	Two 7,9 mm. MG 37(t)

		One 3,7 cm. Kw.K. 38(t) (A7) L/47,8
	Aufklärungspanzer on Pz.Kpfw. 38(t) with 7,5 cm. Kw.K. 38	One 7,9 mm. MG 42 One 7,5 cm. Kw.K. 38 L/24
	Panzerjäger 38(t) (Hetzer ⁶)	One 7,9 mm. MG 34 or one MG 42 One 7,5 cm. Pak 39 L/48
	Flammpanzer 38(t) (Hetzer ⁶)	One 7,9 mm. MG 34 or one MG 42 One 14 mm. Flammenwerfer 41
	15 cm. s.I.G. 33 (Sfl.) on Panzerjäger 38(t) (Hetzer ⁶)	One 7,9 mm. MG 34 or one MG 42 One 15 cm. s.I.G. 33/2 L/11
	5 cm. Flak 41 (Sfl.) on 4,5t. Schwere LKW. ⁵	One 5 cm. Flak 41
	Neubaufahrzeug	Three 7,9 mm. MG 13 One 3,7 cm. Kw.K. L/46,5 One 7,5 cm. Kw.K. 37 L/24
	7,5 cm. Pak 40 Raupenslepper Ost (RSO)	One 7,5 cm. Pak 40/4 L/46
	8,8 cm. Pak 43 (Sfl.) waffenträger	One 8,8 cm. Pak 43/3 L/71
	12,8 cm. Pz. (Sfl.) L/61 (Panzerselbstfahrlafette V) (Sturer Emil ⁶)	One 7,9 mm. MG 34 One 12,8 cm. K40 L/61
	15 cm. Nebelwerfer 42 Zehnling on Schwere Wehrmachtschlepper (SWS)	One 15 cm. Nebelwerfer 42 (Zehnling)
	38 cm. RW61 on Sturmörser Tiger (Sturmtiger)	One 7,9 mm. MG 34 One 38 cm. R.W. 61 L/5,4
	Porsche 205 (Maus)	One 12,8 cm. Kw.K. 44 L/55 One 7,5 cm. Kw.K.44 L36,5 One 7,9 mm. MG 34
	Gerät 040 and Gerät 041 (Karlgerät)	One 60 cm. Gerät 040 L/8,44 or later One 54 cm. Gerät 041 L/11,5

1. On early Ausf. A Bergepanthers only.
2. 28 cm. or 32 cm. Wurfkörpern.
3. Only carried on some of the vehicles.
4. A portable projector mounted on earlier vehicles.
5. Büssing – NAG or Daimler Benz L4500A.
6. Unofficial name.

In the outlines below you will also find a few guns (in italics) which are not at the moment known to have been mounted on any German vehicles during WWII. Those guns are included to give the user a more complete overview of some the more common artillery, Flak and anti tank guns used by the Germans during WWII.

German designation of the gun	Gun feed by	Ammunition storage*
7,9 mm. MG 13	25- round box magazine 75- round double-drum magazine (Three 75- round double-drum magazines – per metal amm. Carrier ¹¹). (8 box magazines per metal amm. carrier) (4 magazines per webbing bandolier)	<ul style="list-style-type: none"> ■ Airtight/ non airtight wooden box holding 1500 rounds, packed in 5 cartons, each holding 300 rounds, packed in 20 cardboard packages, holding 15 rounds each. ■ Non airtight wooden box holding 900 rounds, packed in 3 cartons, each holding 300 rounds, packed in 20 cardboard packages, holding 15 rounds each. ■ Airtight/ non airtight wooden box holding 300 rounds, packed in 20 cardboard packages, holding 15 rounds each.

		(Note 300 round wooden boxes, early war use only!). ■ Non airtight cardboard box holding 300 rounds, packed in 20 cardboard packages, holding 15 rounds each. ■ Non airtight cardboard package holding 15 loose rounds or 3 x 5 rounds in loading clips.
7,9 mm. MG 34	<ul style="list-style-type: none"> ▪ 50, 100, 250 round link belts. ▪ 50 round link belt in drum - (Two 50 round drums per carrier or six 50 round drums per sheet metal box⁷). ▪ 150 round link belt in webbing pouch¹⁰. ▪ 75 round saddle drum magazine – (Two saddle drums per metal carrier) ▪ 100 rounds in belt per metal amm. carrier⁶. ▪ 150 rounds in belt per metal amm. carrier⁸. ▪ 300/250 rounds in belt per metal amm. carrier⁹. 	Same as above.
7,9 mm. MG 42	<ul style="list-style-type: none"> ▪ 50, 100, 250 round link belts. ▪ 50 round link belt in drum - (Two 50 round drums per carrier or six 50 round drums per sheet metal box⁷). ▪ 150 round link belt in webbing pouch . ▪ 100 rounds in belt per metal amm. carrier⁶. ▪ 150 rounds in belt per metal amm. carrier⁸. ▪ 300/250 rounds in belt per metal amm. carrier⁹. 	Same as above.
7,9 mm. MG 37(t)	100, 200 round link belts	Airtight/ non airtight wooden box holding 1500 rounds, packed in 5 cartons, each holding 300 rounds, packed in 20 cardboard packages, holding 15 rounds each.
7,9 mm. EW 141 (Gerät 318)	Disintegrating link belt	5 round carton metal box
151/15 Drilling	Disintegrating link belt	Airtight wooden box holding 200 rounds, each in a rolled paper cylinder.
151/20 Drilling	Disintegrating link belt	Airtight wooden box holding 200 rounds, each in a rolled paper cylinder.
2 cm. Kw.K. 30/38 L/55	10 round magazine (2 and 5 magazines per metal carrier) 20 round magazine (2 magazines per metal carrier – or 2 magazines per webbing shoulder bag)	Airtight wooden box holding 100 rounds, each in a rolled paper cylinder.
2 cm. Flak 30/38 L/65	20 round magazine (2 magazines per metal carrier or - 2 magazines per webbing shoulder bag)	Airtight wooden box holding 100 rounds, each in a rolled paper cylinder.
2 cm. Flakvierling 38 L/65	20 round magazine	Airtight wooden box holding 100 rounds,

	(2 magazines per metal carrier or - 2 magazines per webbing shoulder bag)	each in a rolled paper cylinder.
2,8 cm. s. Pz. B. 41	Single shot	Airtight metal carrier 12 cartridges, each in a rolled paper cylinder.
3 cm. Flak 103/38 L/45	30/40 round disintegrating link belt	Airtight wooden box holding 50 rounds, each in a rolled paper cylinder.
3,7 cm. Flak 36/37 L/57	6 round clip (2 clips per carrier) Single shot – Stiel-Gr. 41	Airtight metal amm. carrier 18 12 cartridges. Airtight metal amm. carrier 16 cartridges. Airtight wooden box 25 (Kriegsmarine) cartridges – each in a rolled paper cylinder. Fibre/cardboard box 16 cartridges – each in a rolled paper cylinder. - Airtight amm. Con. 1 grenade 10,4 kg.
3,7 cm. Flak. 43 L/57	8 round clip (2 clips per carrier)	Airtight metal amm. carrier 18 12 cartridges. Airtight metal amm. carrier 16 cartridges. Airtight wooden box 25 cartridges – each in a rolled paper cylinder. Fibre/cardboard box 16 cartridges – each in a rolled paper cylinder.
3,7 cm. Flakzwilling 44 L/57	8 round clip (2 clips per carrier)	Airtight metal amm. carrier 18 12 cartridges. Airtight metal amm. carrier 16 cartridges. Airtight wooden box 25 cartridges – each in a rolled paper cylinder. Fibre/cardboard box 16 cartridges – each in a rolled paper cylinder.
3,7 cm. Pak 35/36 L/45	Single shot Stielgranate 41	Airtight metal carrier 12 cartridges. Amm. wicker basket 11 cartridges. Airtight wooden box 25 cartridges Airtight amm. Con. 1 grenade.
3,7 cm. Kw.K. L/46,5	Single shot	Airtight metal carrier 12 cartridges. Amm. wicker basket 12 cartridges.
3,7 cm. Kw.K. 34(t) (A3) L/40	Single shot	Wooden amm. box 12 cartridges.
3,7 cm. Kw.K. 38(t) (A7) L/47,8	Single shot	Wooden amm. box 12 cartridges.
4,7 cm. Pak (t) L/43,4	Single shot	Wooden amm. box 6 cartridges.
5 cm. Flak 41	5 round clip	Airtight metal amm. box 3 cartridges.
5 cm. Kw.K. 38 L/42	Single shot	Airtight metal amm. box 4 cartridges. Airtight metal amm. box 6 cartridges. Wooden box 4 cartridges.
5 cm. Pak 38 L/60	Single shot	Airtight metal amm. box 4 cartridges. Airtight metal amm. box 6 cartridges. Wooden box 4 cartridges.

	5 cm. Stielgranate 42	Airtight amm. Con. 1 grenade.
5 cm. Kw.K. 39 L/60	Single shot	Airtight metal Amm. box 4 cartridges. Airtight metal amm. box 6 cartridges. Wooden box 4 cartridges
5 cm. Kw.K. 39/1 L/60	Single shot	Airtight metal Amm. box 4 cartridges. Airtight metal amm. box 6 cartridges. Wooden box 4 cartridges
<i>7,5 cm. le.I.G.18⁵</i>	Single shot	Airtight metal amm. carrier 3 cartridges. Amm. wicker basket 3 cartridges.
7,5 cm. Kw.K. 37 L/24	Single shot	Metal amm. box 2 cartridges.
7,5 cm. Kw.K. 38 L/24	Single shot	Metal amm. box 2 cartridges.
7,5 cm. Kw.K. 51 L/24	Single shot	Metal amm. box 2 cartridges.
7,5 cm. Stu.K. 37 L/24	Single shot	Metal amm. box 2 cartridges.
7,5 cm. Kw.K. 40 L/43	Single shot	Metal cylinder airtight 1 cartridge. Wooden box 3 cartridges.
7,5 cm. Stu.K. 40 L/43	Single shot	Metal cylinder airtight 1 cartridge. Wooden box 3 cartridges.
7,5 cm. Kw.K. 40 L/48	Single shot	Metal cylinder airtight 1 cartridge. Wooden box 3 cartridges. Wooden lattice crate 3 cartridges.
7,5 cm. Stu.K. 40 L/48	Single shot	Metal cylinder airtight 1 cartridge. Wooden box 3 cartridges.
7,5 cm. Pak 40 L/46	Single shot	Metal cylinder airtight 1 cartridge. Wooden box 3 cartridges.
7,5 cm. Pak 40/1, 40/2, 40/3, 40/4 L/46	Single shot	Metal cylinder airtight 1 cartridge. Wooden box 3 cartridges.
7,5 cm. Pak 39 L/48	Single shot	Metal cylinder airtight 1 cartridge. Wooden box 3 cartridges.
7,5 cm. Pak 42 L/70	Single shot	Wooden box 2 cartridges.
7,5 cm. Kw.K. 42 L/70	Single shot	Wooden box 2 cartridges.
7,5 cm. Kw.K. 44 L/36,5	Single shot	Wooden box 2 cartridges.
7,5 cm. Stu.K. 42 L/70	Single shot	Wooden box 2 cartridges.
<i>7,5 cm. Pak 97/38⁵</i>	Single shot	Wooden box 3 cartridges.
7,62 cm. Pak 36(r) L/51,5	Single shot	Wooden box 3 cartridges. Metal cylinder 1 cartridge.

8 cm. s. Gr. W. 34/1	Single shot	Cardboard/Fibre cylinder 1 bomb. Wicker basket 3 bombs. Airtight metal amm. carrier 3 bombs. Wooden box 3 bombs. Wooden box 4 bombs. Wooden box 5 bombs. Wooden box 6 bombs. Wooden box 8 bombs. Fibre/cardboard box 3 bombs. Bakelite container 10 propelling/Increment charges. Metal tin 3 propelling/Increment charges.
8,8 cm. Flak 18/36/37 L/56	Single shot	Amm. wicker basket 3 cartridges Wooden box 3 cartridges Metal cylinder airtight 1 cartridge.
8,8 cm. Kw.K. 36 L/56	Single shot	Wooden box 3 cartridges. Wooden lattice crate 3 cartridges.
8,8 cm. Pak 43 L/71	Single shot	Wooden box 1 cartridge. Metal cylinder 1 cartridge.
8,8 cm. Pak 43/41 L/71	Single shot	Wooden box 1 cartridge. Metal cylinder 1 cartridge.
8,8 cm. Pak 43/1, 43/2, 43/3, 43/4 L/71	Single shot	Wooden box 1 cartridge. Metal cylinder 1 cartridge. Wooden lattice crate 2 cartridges.
8,8 cm. Kw.K. 43 L/71	Single shot	Wooden box 1 cartridge. Metal cylinder 1 cartridge.
10 cm. K18 L/52	Single shot	Wooden/metal lattice crate 1 shell. Wooden box 2 propelling charges in cartridges. Wooden box 4 propelling charges, each charge in a rolled paper cylinder. ¹ Wooden box 4 special propelling charges, each charge in a rolled paper cylinder. ²
10 cm. le.F.H.18 L/28	Single shot	Wooden/metal lattice crate 1 shell. Wooden box 1 shell (Hollow charge). Metal cylinder airtight 1 shell. Wooden box 6 propelling charges in cartridges. Wooden box 3 special propelling charges. Metal box 3 propelling charges in cartridges.
10 cm. le.F.H. 18/1, 18/2 L/28	Single shot	Wooden/metal lattice crate 1 shell. Wooden box 1 shell (Hollow charge). Metal cylinder airtight 1 shell. Wooden box 6 propelling charges in cartridges. Wooden box 3 special propelling charges. Metal box 3 propelling charges in cartridges.
10 cm. Stu.H. 42 L/28	Single shot	Wooden/metal lattice crate 1 shell. Wooden box 1 shell. Metal cylinder airtight 1 shell. Wooden box 6 propelling charges in cartridges.

		Wooden box 3 special propelling charges
12,8 cm. K40 L/61	Single shot	Metal cylinder airtight 1 shell. Metal cylinder airtight 1 propelling charge.
12,8 cm. Pak 80 L/55³ 12,8 cm. Kw.K. 82 L/55³ (12,8 cm. Pak 44 L/55) ⁴ (12,8 cm. K. 44 L/55) ⁴ (12,8 cm. Kw.K. 44 L/55) ⁴ (12,8 cm. PjK 44 L/55) ⁴	Single shot	Metal cylinder airtight 1 shell. Metal cylinder airtight 1 propelling charge. Wooden box 1 propelling charge in cartridge. Wooden box 2 propelling charges in cartridges.
15 cm. s.I.G. 33 L/11	Single shot Stielgranate 42	Amm. wicker basket 1 shell. Wooden box 2 propelling charges in cartridges. Wooden/metal lattice crate 1 bomb. Wooden box 6 fins; 2 fuzes for bomb. Wooden/metal lattice crate 1 rod for bomb.
15 cm. s.I.G. 33/1, 33/2 L/11	Single shot	Amm. wicker basket 1 shell. Wooden box 2 propelling charges in cartridges.
15 cm. Stu.H. 43 L/12	Single shot	Amm. wicker basket 1 shell. Wooden box 2 propelling charges in cartridges.
15 cm. s.F.H. 13 L/17	Single shot	Amm. wicker basket 1 shell. Wooden box 2 propelling charges in cartridges. Wooden box 6 propelling charges in cartridges. Zinc can 1 special propelling charge.
15 cm. s.F.H. 18 L/29,6	Single shot	Amm. wicker basket 1 shell. Wooden/metal lattice crate 1 shell. Metal box 3 propelling charges in cartridges. Wooden box 3 propelling charges in cartridges. Zinc can 1 special propelling charge. Bakelite can 1 special propelling charge.
15 cm. s.F.H. 18/1 L/29,6	Single shot	Amm. wicker basket 1 shell. Wooden/metal lattice crate 1 shell. Metal box 3 propelling charges in cartridges. Wooden box 3 propelling charges in cartridges. Zinc can 1 special propelling charge. Bakelite can 1 special propelling charge.
15 cm. Nebelwerfer 42 (Zehning)	Single shot or 10 shot salvo	Wooden lattice crate 1 rocket. Fibre cylinder 1 rocket. Metal cylinder airtight 1 rocket.
Wurfrahmen 40	Single shot	Wooden or metal lattice crate 1 rocket.
38 cm. R.W. 61 L/5,4	Single shot	Wrap of wooden sticks held - together with 2 iron bands 1 rocket.
54 cm. Gerät 041 L/11,5	Single shot	Wooden box 1 shell. Wooden box 1 propelling charge in cartridge.
60 cm. Gerät 040 L/8,44	Single shot	Wooden box 1 shell. Wooden box 1 propelling charge in cartridge.

* New ammunition boxes (factory fresh).

1. Propelling charge in cartridge box.
2. Extra propelling charge only.
3. Correct late war German designation.
4. Early/mid war and modern designation.
5. At the moment not known to have been mounted on any German vehicle during WWII!
6. Gurtkasten 34 was only used in the Sd.Kfz. 222 and 250/9 with the 2 cm Sockellafette.
7. The box for 6 Gurttrommel 34 was only used in armoured vehicles.
8. The 150 round Patronenkasten 36 was only used with the anti aircraft MG 34/42 twin mount Zwillingssockel 36.
9. Patronenkasten 34/41 for MG 34 and MG42 normally contained 250 rounds in five belts that were joined to form two continuous belts of 100 and 150 rounds. They could be filled with an extra 50 round belt so the total was 300 rounds (two belts of 150 rounds each), but the two belts was then facing in opposing directions to keep them level because of the tapered case design.
10. Gurtsack 34.
11. Only used in Sd.Kfz. 221, 222, 223.

Abbreviations/ explanations:

Airtight = the wooden box had an airtight sheet metal lining or the metal container had a rubber seal.

Amm. = Ammunition.

Con. = Container (tube container).

Drilling = Triplet - 3 barrels.

Flak = Fliegerabwehrkanone, Flugabwehrkanone, Flugzeugabwehrkanone (Anti aircraft gun).

K18 = Kanone 18 (Cannon 18).

Kw.K = Kampfwagen Kanone (Tank gun).

L/60 = Lange (Length of gun without muzzle brake expressed as a multiple of the calibre (5 cm. Pak 38 L/60 = 50mm x 60 = 3.00m.)).

le.F.H.18 = Leichte Feld Haubitze 18 (Light field howitzer 18).

MG = Maschinengewehr (Machinegun).

Pak = Panzerabwehrkanone (Anti-tank gun).

PjK. = Panzerjägerkanone (Anti tank-gun). This abbreviation is not widely used. Pak is most commonly, but both might occur.

PTP = Protivotankovaja Pushka (Anti-tank gun).

Pz. = Panzer (Tank).

R.W. = Raketen Werfer (Rocket projector).

s. Gr. W. = schweres Granatwerfer (Heavy mortar).

s. Pz. B. = schweres Panzer Büchse (Heavy anti-tank rifle).

s.I.G. = schweres Infanterie Geschütz (Heavy infantry cannon).

Sd.Kfz. = Sonderkraftfahrzeug (Special motor vehicle).

(sfl.) = Selbstfahrlafette (Self-propelled mounting).

s.F.H. 13 = schweres Feld Haubitze 13 (Heavy field howitzer 13).

Stiel = (Stick).

Stu.G. = Sturmgeschütz (Self-propelled assault gun).

Stu.H. = Sturmhaubitze (Self-propelled assault howitzer).



Stu.K. = Sturmkanone (Self-propelled assault cannon/gun).

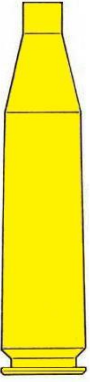


s. WR. = schwere Wurfrahmen (Heavy projector frame).


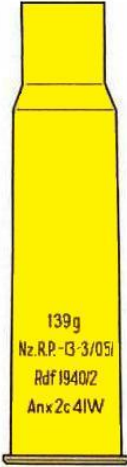

(t) = Tschechisch (Czech).


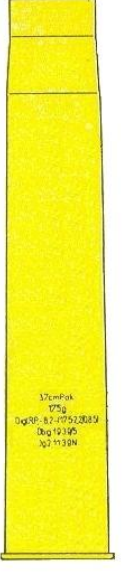
Zehnlings = 10 tubes.

Samples of text on cartridges, ammunition boxes and containers

	Cartridge (Not in scale!)	Projectile/shell type	Boxes and containers (See link at the bottom of article)
<p>7,9 mm. MG 13 7,9 mm. MG 34 7,9 mm. MG 42</p> <p>(7.92x57)</p> <p><i>Fixed round.</i> Cartridge case colour: 1 and 5.</p>		<p>S. s.S. S.m.E. l.S. l.S. L'spur S.-Ph. S.m.K. S.m.K. trop. S.m.K. L'spur S.m.K. Gl.spur S.m.K. H. P.mk. B.-Patr. Platz Ex.</p>	<p>Patronenkasten 900</p> <p>Patronen Kast. 88 B</p> <p>88</p> <p>B Luftdichter Patronenkasten</p>
<p>7,9 mm. MG 37(t)</p> <p>(7.92x57)</p> <p><i>Fixed round.</i> Cartridge case colour: 1.</p>		<p>S. s.S. S.m.E. l.S. l.S. L'spur S.-Ph. S.m.K. S.m.K. trop. S.m.K. L'spur S.m.K. Gl.spur S.m.K. H. P.mk. B.-Patr. Platz Ex.</p>	<p>Patronenkasten 900</p> <p>Patronen Kast. 88 B</p> <p>88</p> <p>B Luftdichter Patronenkasten</p>

<p>7,9 mm. EW 141 (Gerät 318) (7,92x94)</p> <p><i>Fixed round.</i> Cartridge case colour: 1 and 5.</p>		<p>S.m.K.H.Rs. L/spur (Patrone 318⁸) Patrone 318 Üb. Platzpatrone 318 Exerzierpatrone 318</p>	<p>Unknown</p>
<p>151/15 Drilling! (15x96)</p> <p><i>Fixed round.</i> CIN 1651/1661st.: Cartridge case colour: 1 and 5.</p>		<p>15mm Br. Spr. Gr. L/spur m. Zerl. 15mm Pzgr. L/spur O. Zerl. 15mm H-Pzgr. Patr. O. Zerl. 15mm Spr. Gr. Üb. O. Zerl. 15mm Spr. Gr. L'spur. Üb. O. Zerl.</p>	<p>Luftdichter Patronenkasten.</p> <p>15 mm.</p> <p>15 mm MG 151</p> <p>MG 151/15</p>
<p>151/20 Drilling! (20x82)</p> <p><i>Fixed round.</i> CIN 1605/1615st.: Cartridge case colour: 1 and 5.</p>		<p>2 cm. Sprgr. Patr. L/Spur 2 cm. Sprgr. Patr. Üb. 2 cm. Br. Sprgr. Patr. vk L/Spur W. 2 cm. Br. Sprgr. Patr. L/Spur 2 cm. Pzgr. Patr. 2 cm. Pzgr. Patr. L/Spur</p>	<p>Luftdichter Patronenkasten.</p> <p>MG 151/20</p>

<p>2 cm. Kw.K. 30/38 L/55 (20x138B) 2 cm. Kw.K. 38 L/65 2 cm. Flakvierling 38 L/65</p> <p><i>Fixed round.</i> CIN: None Cartridge case colour: 1,4 and 5.</p>		<p>2 cm. Sprgr. Patr. L/Spur 2 cm. Sprgr. Patr. Üb. 2 cm. Br. Sprgr. Patr. vk L/Spur W. 2 cm. Br. Sprgr. Patr. L/Spur 2 cm. Pzgr. Patr. 2 cm. Pzgr. Patr. L/Spur</p>	<p>2 cm Patronenkasten 34 luftdicht</p> <p>Luftdichter Patronenkasten.</p> <p>2 cm.</p> <p>2 cm. Patr.</p>
<p>2,8 cm. s. Pz. B. 41 (28x188)</p> <p><i>Fixed round.</i> CIN P345: Cartridge case colour: 1.</p>		<p>2,8 cm. Pzgr. Patr. 41 2,8 cm. Sprgr. Patr. 41</p>	<p>Luftdicht Patr.s.Pz.B.41</p> <p>Patr.s.Pz.B.41</p>
<p>3 cm. Flak 103/38 L/45 (30x184B)</p> <p><i>Fixed round.</i> Cartridge case colour: 3.</p>		<p>3 cm. Sprgr. Patr. El L/Spur o. Zerl. 3 cm. Sprgr. Patr. Üb. El L/Spur o. Zerl. 3 cm. Mgr. Patr. El L/Spur o. Zerl. 3 cm. Pzgr.Br. Patr. El o. Zerl. 3 cm. H. Pzgr. Patr. El L/Spur o. Zerl. 3 cm. Pz. Sprgr. Patr. El L/Spur o. Zerl. 3 cm. Pz. Sprgr. Patr. Üb. El L/Spur o. Zerl. 3 cm. Pz. Br. Sprgr. Patr. El L/Spur o. Zerl. 3 cm. Mgr. Patr. El L/Spur o. Zerl. 3 cm. M-Brgr. Patr. El m .Zerl.</p>	<p>Luftdichter Patronenkasten.</p> <p>Luftdicht Patronenkasten 103</p> <p>3 cm.</p> <p>3 cm. Patr.</p>

<p>3,7 cm. Flak 36/37 L/57 (37x263B) 3,7 cm. Flak. 43 L/57 3,7 cm. Flakzwilling 44 L/57</p> <p><i>Fixed round.</i> CIN 6348/6348st.: Cartridge case colour: 1 and 6.</p>		<p>3,7 cm. Sprgr. Patr. 18 3,7 cm. Br. Sprgr. Patr. L/Spur 3,7 cm. Pzgr. Patr. 18 3,7 cm. H. Pzgr. Patr. L/Spur o. Zerl. 3,7 cm. H. Pzgr. Patr. L/Spur m. Zerl.</p> <p>3,7 cm. Stielgranate 41 ¹.</p>	<p>Luftdichter Patronenkasten 18.</p> <p>Kl. Patronen = Kasten 18</p> <p>Luftdichter Patronenkasten d. 3,7 cm. Flak 18.</p> <p>Mun. 3,7 Flak (Stiel-Gr.) ⁵.</p>
<p>3,7 cm. Pak 35/36 L/45 (37x249R) 3,7 cm. Kw.K. L/46,5</p> <p><i>Fixed round.</i> CIN 6331/6331st.: Cartridge case colour: 1,3 and 8.</p>		<p>3,7 cm. Sprgr. Patr. 18 umg. 3,7 cm. Gr. Patr. 40 3,7 cm. Pzgr. Patr. 3,7cm Pzgr. Patr. 40 3,7 cm. Stielgranate 41 ¹.</p>	<p>Luftdicht Patr. 3,7 cm. Pak</p> <p>Patr. 3,7 cm. Pak</p> <p>3,7 cm. Gr.40</p> <p>Patr. 3,7 cm. Kw.K.</p> <p>Mun. 3,7 Pak (Stiel-Gr.) (Pak only!)</p>

3,7 cm. Kw.K. 34(t) (A3) L/40 (37x269R)
3,7 cm. Kw.K. 38(t) (A7) L/47,8



3,7 cm. Sprgr. Patr. 34 (t)
3,7 cm. Pzgr. Patr. 34 (t)
3,7 cm. Pzgr. Patr. 34 (t) umg.
3,7 cm. Pzgr. Patr. 37 (t)
3,7 cm. Pzgr. Patr. 37 (t) umg.

Patr.
3,7 cm. Pak. 34(t)
3,7 cm. Kw.K. 34(t)

Patr.
3,7 cm. Pak. 37(t)
3,7 cm. Kw.K. 38(t)

Fixed round.
Cartridge case colour: 1.



4,7 cm. Pak (t) L/43,4 (47x404R)



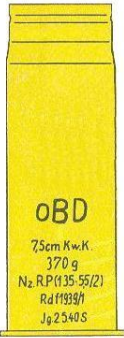




4,7 cm. Sprgr. Patr. 36 (t)
4,7 cm. Pzgr. Patr. 36 (t)
4,7 cm. Pzgr. Patr. 36 (t) umg.
4,7 cm. Pzgr. Patr. (i)

Patr.
4,7 cm. Pak.(t)

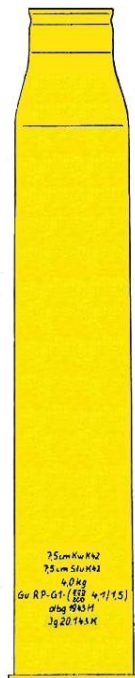
Fixed round.
Cartridge case colour: 1.

<p>5 cm. Flak 41 (50x346B)</p> <p><i>Fixed round.</i> CIN None: Cartridge case colour: 1 and 5.</p>		<p>5 cm. Sprgr. Patr. 41 L/Spur 5 cm. Br. Sprgr. Patr. 41 L/Spur 5 cm. Pzgr. Patr. 42 5 cm. Sprgr. Patr. 41 Üb</p>	<p>Luftdichter Patronenkasten 41 d. 5 cm Flak 41</p>
<p>5 cm. Kw.K. 38 L/42 (50x289R)</p> <p><i>Fixed round.</i> CIN 6317/6317st.: Cartridge case colour: 1 and 5.</p>		<p>5 cm. Sprgr. Patr. 38 5 cm. Pzgr. Patr. 5 cm. Pzgr. Patr. 39 5 cm. Pzgr. Patr. 40</p>	<p>Luftdichter Patronenkasten. d. 5 cm. Kw.K u. 5 cm. Kw.K 40</p> <p>Patronenkasten. d. 5 cm. Kw.K u. 5 cm. Kw.K 40</p>

<p>5 cm. Pak 38 L/60 (50x420R) 5 cm. Kw.K. 39 L/60 5 cm. Kw.K. 39/1 L/60</p> <p><i>Fixed round.</i> CIN 6360/6360st.: Cartridge case colour 1 and 5.</p>		<p>5 cm. Sprgr. Patr. Pak 38 5 cm. Pzgr. Patr. 38 5 cm. Pzgr. Patr. 38 umg. 5 cm. Pzgr. Patr. 39 Pak 38 5 cm. Pzgr. Patr. 40 Pak 38 5 cm. Pzgr. Patr. 40/1 Pak 38 5 cm. Steilgranate 42 ¹.</p>	<p>Patr 5 cm Kw.K</p> <p>Patr. 5 cm. Pak 38</p> <p>Luftdichter Patronenkasten. d. 5 cm. Kw.K 39</p> <p>Patronenkasten. d. 5 cm. Kw.K 39</p> <p>5 cm. Steilgranate 42 (Pak only!) Luftdichter</p>
<p>7,5 cm. le.I.G.18 (75x89R)</p> <p><i>Separate round.</i> CIN 6341/6341st.: Cartridge case colour: 1 and 3.</p>		<p>7,5 cm. Igr. 18 7,5 cm. Igr. 18 AI 7,5 cm. Igr. 38 7,5 cm. Igr. 38 HI 7,5 cm. Igr. 38 HI./A 7,5 cm. Igr. Deut.</p> <p>Teilkart. 1 Teilkart. 2 Teilkart. 3 Teilkart. 4 Teilkart. 5</p>	<p>Luftd. Munitionskasten Le.I.G. 18</p>
<p>7,5 cm. Kw.K. 37 L/24 (75x243R) 7,5 cm. Stu.K. 37 L/24 7,5 cm. Kw.K. 38 L/24 7,5 cm. Kw.K. 51 L/24</p> <p><i>Fixed round.</i> CIN 6354/6354st.: Cartridge case colour: 1 and 4.</p>		<p>7,5 cm. Gr. Patr. Kw.K 7,5 cm. Gr. Patr. 38 Kw. K 7,5 cm. Nbgr. Patr. Kw. K 7,5 cm. Pzgr. Patr. Kw.K</p>	<p>Patr. 7,5 cm. Kw.K</p>

<p> 7,5 cm. Kw.K. 40 L/43 7,5 cm. Stu.K. 40 L/43 7,5 cm. Kw.K. 40 L/48 7,5 cm. Stu.K. 40 L/48 7,5 cm. Pak 39 L/48 </p> <p>(75x495R)</p> <p><i>Fixed round.</i> CIN 6339/6339st.: Cartridge case colour: 1 and 6.</p>	 <p> 7,5 cm Stu.K.40 7,5 cm Kw. K.40 9 6u.81P-A0-(6-4-06) d0g 19 42/3 7g.3.2.42H </p>	<p> 7,5 cm. Sprgr. Patr. 34 7,5 cm. Pzgr. Patr. 39 7,5 cm. Pzgr. Patr. 40 7,5 cm. Pzgr. Patr. 40 (W) 7,5 cm. Gr. Patr. 38 HI 7,5 cm. Gr. Patr. 38 HI/A 7,5 cm. Gr. Patr. 38 HI/B 7,5 cm. Nbgr. Patr. </p>	<p> Patr. 7,5 cm. Sprgr Patr 34 Kw.K 40 III Luftdicht </p> <p> Patr. 7,5 cm. Kw.K 40 Patr. 7,5 cm. Stu. G. 40 </p> <p> Patr. 7,5 cm. Kw.K 40 Patr. 7,5 cm. Stu. G. 40 7,5 cm. Sprgr. Patr. 34 Gewkl. II </p> <p> Patr. 7,5 cm. Pak. 39 </p>
<p> 7,5 cm. Pak 40 L/46 7,5 cm. Pak 40/1 L/46 7,5 cm. Pak 40/2 L/46 7,5 cm. Pak 40/3 L/46 7,5 cm. Pak 40/4 L/46 </p> <p>(75x716R)</p> <p><i>Fixed round.</i> CIN 6340/6340st.: Cartridge case colour 1 and 5.</p>	 <p> 7,5 cm Pak 40 6u.81P-A0-(6-4-06) d0g 19 42/3 7g.3.2.42H </p>	<p> 7,5 cm. Sprgr. Patr. 34 7,5 cm. Pzgr. Patr. 39 7,5 cm. Pzgr. Patr. 40 7,5 cm. Pzgr. Patr. 40 (W) 7,5 cm. Gr. Patr. 38 HI/A 7,5 cm. Gr. Patr. 38 HI/B 7,5 cm. Pzgr. PAK Patr. TS 42 7,5 cm. Nbgr. Patr. </p>	<p> Patr. 7,5 cm. Pak 40 Luftdicht </p> <p> Patr. 7,5 cm. Pak 40 </p>

7,5 cm. Pak 42 L/70 (75x640R)
 7,5 cm. Kw.K. 42 L/70
 7,5 cm. Stu.K. 42 L/70
 7,5 cm. Kw.K. 44 L/36,5

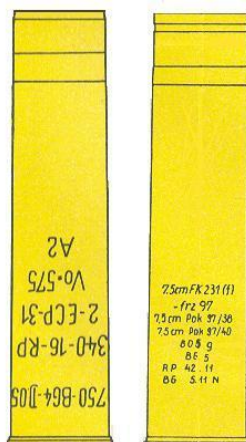


7,5 cm. Sprgr. Patr. 42
 7,5 cm. Pzgr. Patr. 39/42

7,5 cm. Kw.K 42
 7,5 cm. Stu. K. 42
 7,5 cm. Sprgr. Patr. 42
 Kw.K 42
 7,5 cm. Pzgr. Patr. 39/42 f. 7,5 cm.
 Kw.K
 7,5 cm. Sprgr. Patr. 42 f. 7,5 cm.
 Kw.K

Fixed round.
 CIN 6387/6387st.:
 Cartridge case colour: 1 and 3.

7,5 cm. Pak 97/38 (75x350R)



7,5 cm. Sprgr. 230/1 (f) - frz 1900 -
 7,5 cm. Sprgr. 231/1 - frz 15 -
 7,5 cm. Sprgr. 233/1 - frz 17 -
 7,5 cm. Sprgr. 236 - frz 18 -
 7,5 cm. Gr. Patr.38/97 HI/A (f)
 7,5 cm. Gr. Patr. 38/97 HI/B (f)
 7,5 cm. Gr. Patr. 15/38 HI/B (f)
 7,5 cm. K. Gr. Patr. Pz. (p)

Patr 7,5 cm. F.K. 231(f) – frz 97-
 Patr. 7,5 cm. Pak. 97/38
 Patr. 7,5 cm. Pak. 97/40

Fixed round.
 Cartridge case colour: 1.

7,62 cm. Pak 36(r) L/51,5 (762x385R)



7,62 cm. Sprgr. Patr. 39
7,62 cm. Pzgr. Patr. 39 Rot
7,62 cm. Pzgr. Patr. 40

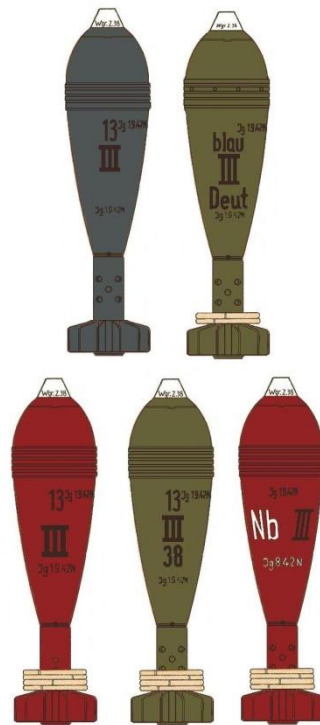
Patr. 7,62 cm. Pak. 36

Fixed round.

CIN 6340/6340st.:

Cartridge case colour: 1 and 5.

8 cm. s. Gr. W. 34/1



8 cm. Wgr. 34
8 cm. Wgr. 38
8 cm. Wgr. 39
8 cm. Wgr. 34 Nb.
8 cm. Wgr. 38 Deut.



Teilkart. 1
Teilkart. 2
Teilkart. 3
Teilkart. 4

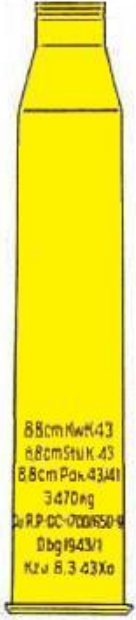
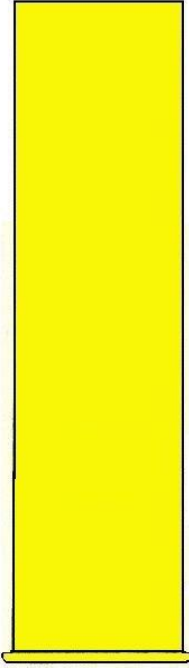
Aushilfspackung
Munition
8cm Gr. W. 34

Mun. s. Gr. W. 34

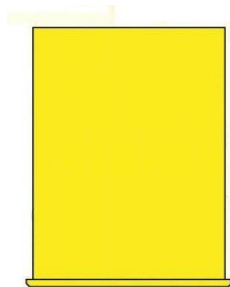
Kart. Vorl. s. Gr. W. 34

10)

<p>8,8 cm. Kw.K. 36 L/56 (88x571R)</p> <p><i>Fixed round.</i> CIN 6347/6347st.: Cartridge case colour 1, 4 and 8.</p>		<p>8,8 cm. Sprgr. Patr. Kz L/4,5 Pr. zugz. FES 8,8 cm. Sprgr. Patr. Kz L/4,5 Stg. FES 8,8 cm. Pzgr. Patr. 8,8 cm. Pzgr. Patr. 39 8,8 cm. Pzgr. Patr. 39/1 8,8 cm. Gr. Patr. 39 HI 8,8 cm. Pzgr. Patr. 40</p>	<p>Patr. 8,8 cm. Kw.K 36</p> <p>Patr. 8,8 cm. Kw.K 36</p>
<p>8,8 cm. Flak 18/36/37 L/56 (88x571R)</p> <p><i>Fixed round.</i> CIN 6347/6347st.: Cartridge case colour 1, 4 and 8.</p>		<p>8,8 cm. Sprgr. Patr. Kz L/4,5 Pr. zugz. FES 8,8 cm. Sprgr. Patr. Kz L/4,5 Stg. FES 8,8 cm. Sprgr. Patr. Kz L/4,5 Gerillt 8,8 cm. Sprgr. Patr. Kz L/4,5 Üb.W 8,8 cm. Sprgr. Patr. Kz L/4,5 Üb.R 8,8 cm. Sprgr. Patr. Kz L/4,5 Bl. 8,8 cm. Pzgr. Patr. 8,8 cm. Pzgr. Patr. 39 8,8 cm. Pzgr. Patr. Üb. 8,8 cm. Pzgr. Patr. 40 8,8 cm. Hl.G. Patr. 39 Flak Kz L/4,5 8,8 cm. Sch. Sprgr. Patr. Kz L/4,5⁷. 8,8 cm. Br. Sch. Gr. Patr. Kz L/4,5⁷. 8,8 cm. Leuchtgeschoss L/4,4 8,8 cm. Leucht Gr. Zerl. 8,8 cm. Gr. Patr. Ausch. Mess. Kart. d. 8,8 cm Flak Aush. Kart. d. 8,8 cm Flak Man. Kart. d. 8,8 cm Flak Man.Kart. R.P. d. 8,8 cm Flak Ex.Patr. d. 8,8 cm Flak 18 (Ladepatr.) Ex.Patr. d. 8,8 cm Flak 18 (ZünderstellPatr.)</p>	<p>Patronenkasten 8,8 cm. Flak 18.</p> <p>Luftdichter Patronenbehälter 8,8 cm. Flak 18.</p>

<p>8,8 cm. Kw.K. 43 L/71 (88x822R) 8,8 cm. Pak 43 L/71 8,8 cm. Pak 43/41 L/71 8,8 cm. Pak 43/1, 43/2, 43/3, 43/4 L/71</p> <p><i>Fixed round.</i> CIN 6388st.: Cartridge case colour: 3.</p>		<p>8,8 cm. Sprgr. Patr. Kz L/4,7 Flak 41⁶ 8,8 cm. Pzgr. Patr. 39/1⁶ 8,8 cm. Gr. Patr. 39 HI⁶ 8,8 cm. Sprgr. Patr. 43 8,8 cm. Sprgr. Patr. 39/43 (Pak. 43/41) 8,8 cm. Pzgr. Patr. 39/43² 8,8 cm. Pzgr. Patr. 39/43 A1 8,8 cm. Pzgr. Patr. 40/43 8,8 cm. Gr. Patr. 39/43 HI 8,8 cm. Pzgr. Patr. 40</p>	<p>Patr. 8,8 cm. Kw.K 43</p> <p>Patr. 8,8 cm. Pak. 43</p> <p>Kw.K 43 8,8 cm. Pak. 43 u. 43/1/2/3 Pak. 43/41</p>
<p>s. 10 cm. K18 (100x445R)</p> <p><i>Separate round.</i> CIN 6349/6349st.: Cartridge case colour: 1 and 14.</p>		<p>10 cm. Gr. 19 10 cm. Gr. 19 FES 10 cm. Pzgr. Rot 10 cm. Gr. 38 Nb.</p> <p>Teilkart. 1 Teilkart. 2 Sonderkart. 3 (gr. Ldg.) Kart. Vorl. H. 16</p>	<p>s. 10 cm. K. 18</p> <p>Hülsenkart. d. s. 10 cm. K. 18</p> <p>Kasten f. Sonderkart.</p> <p>Büchse f. Teilkart. 3</p> <p>Lg. Kart. Kast. s. 10 cm. K. 18</p> <p>Lg. Kast. Sond. Kart. 3 s. 10 cm. K. 18</p> <p>Sonderkart. 3 s. 10 cm. K. 18</p> <p>Kart. Vorl. H. 16</p>

10 cm. le. F. H. 18 L/28 (100x155R)
10 cm. Stu. H. 42 L/28
10 cm. le. F. H. 18 M
10 cm. le.F.H. 18/1, 18/2 L/28



Separate round.
CIN 6342, 6342st., 6342/65A to 6342/65D:
Cartridge case colour: 1, 2, 3, 5, 6, 9, 12
and 13.

F.H. Gr.
F.H. Gr. FES
F.H. Gr. 38 FES
F.H. Gr. 38 Stg. FES
F.H. Gr. 38 Kh.
F.H. Gr. 39
F.H. Gr. Nb. FES
F.H. Gr. 38 Nb. FES
F.H. Gr. 40 Nb. FES
F.H. Gr. 40 Deut. FES
F.H. Gr. Spr. Br.
F.H. Gr. Br.
10 cm. Pzgr.
10 cm. Pzgr. Rot
10 cm. Gr. 39 HI
10 cm. Gr. 39 rot HI
10 cm. Gr. 39 rot HI/A FES
10 cm. Gr. 39 rot HI/B FES
10 cm. Gr. 39 rot HI/C FES
10 cm. Weiss-Rot Geschoss
10 cm. Leuchtgeschoss
10 cm. FH Gr. 39 Grünring 3 ZB
10 cm. FH Gr. 40 Blauring 3
10 cm. FH Gr. 40 Weissring

F. H. Gr. Fern. ³

Teilkart. 1
Teilkart. 2+3
Teilkart. 4
Teilkart. 5
Sonderkart. 6

F. Hülsenkart. Der le. F. H. 18 ³

Hülsenkart. der le. F. H. 18
Sonderkart. 6 der le. F. H. 18
Kart. Vorl. H. 16/18
3 Kart. le. F. H. 18
Luftdicht
F. Hülsenkart. Der le. F. H. 18
(mit Mündungsbremse)
Luftdichten ³
F. Mun.
1. F. H. 18 M ³

12,8 cm. K40 L/61

(128x826R)



12,8 cm. Sprgr. Patr. L/4,5
12,8 cm. Pzgr. Patr.

Sprgr. 12,8 cm. K. 40 (Pz.sfl.)
Luftdicht

Pzgr. 12,8 cm. K. 40 (Pz.sfl.)
Luftdicht



Hülsenkart. 12,8 cm. K. 40 (Pz.sfl.)

Separate round.

CIN 6345, 6345st.:

Cartridge case colour: 1 and 7.

(Note that the Flak 40 used a 128 x 962R
cartridge)

<p>12,8 cm. Pak 80 L/55 (128x869R) 12,8 cm. Kw.K. 82 L/55</p> <p>(12,8 cm. Pak 44 L/55) (12,8 cm. K. 44 L/55) (12,8 cm. Kw.K. 44 L/55) (12,8 cm. PjK 44 L/55)</p> <p><i>Separate round.</i> CIN 6398/ 30295: Cartridge case colour: 1, 5 and 14.</p>	 <p style="text-align: center;"> <small> Igrs 82mm L/55 36kg R.P.C/2 (44) -18/81 Neg 1938/308 Jg 12 38E </small> </p>	<p>12,8 cm. Sprgr. Patr. L/4,5 12,8 cm. Sprgr. 5151 1/5.0 12,8 cm. Pzgr. Patr. Flak 40 only! ? 12,8 cm. Pzgr. Patr. 43</p>	<p>Sprgr. 12,8 cm. Kw. K 82 (L/55) Luftdicht</p> <p>Pzgr. 12,8 cm. Pak. 80 (L/55) Luftdicht</p> <p>Hülsenkart. 12.8cm. Sprgr. 12,8 cm. Pak. 80 u. Kw.K 82</p> <p>Hülsenkart. 12.8cm. Pzgr. 43 12.8cm. Pak 80 u. Kw.K. 82</p> <p>Hülsenkart. 12,8 cm. Kw.K 82 (L/55)</p> <p>Hülsenkart. 12,8 cm. Pak. 80 (L/55)</p> <p>Kart. F. 12.8cm. Pak 80 u. Kw.K 82</p> <p>Kart. 12,8 cm PjK. 44 u. Kw.K. 44</p>
<p>15 cm. s. I. G. 33 L/11 (155x113R) 15 cm. Stu. H. 43 L/12 15 cm. s.I.G. 33/1, 33/2 L/11</p> <p><i>Separate round.</i> CIN 6303/6303st.: Cartridge case colour: 1 and 3.</p> <p><i>Separate round.</i> CIN 6392/6392st. for 15 cm. Stiel Gr. 42: Cartridge case colour: 1 and 3.</p>		<p>15 cm. Igr. 38 15 cm. Igr. 38 Nb. 15 cm. Igr. 39 HI/A 15 cm. Stiel Gr. 42 (s. I. G. only!)</p> <p>Teilkart. 1 Teilkart. 2 Teilkart. 3 Teilkart. 4 Teilkart. 5 Teilkart. 6</p>	<p>15 cm. Igr. 38</p> <p>Igr. 38 Nb.</p> <p>Hülsenkart d. s. I. G. 33</p> <p>Mun 15 cm. Stiel Gr. 42</p> <p>Flügel u. Zünder 15 cm. Stiel Gr. 42</p> <p>15 cm. Stiel Gr. 42</p> <p>Stock für 15 cm. Stiel Gr. 42</p>

15 cm. Nebelwerfer 42 (Zehning)

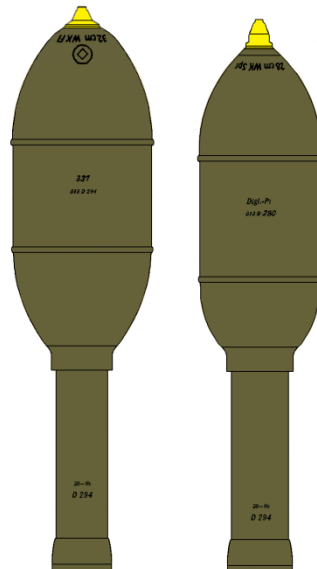


15 cm. Wgr. 41 Spr.
15 cm. Wgr. 41 Nb.
15 cm. Wgr. 41 Grünring ¹².

Mun. Beh. 4644 für Nb. W. 41 u. 42
Mun. Beh. 4644 (B)

Digl. n.
Luftd. Mun. Beh. 4644


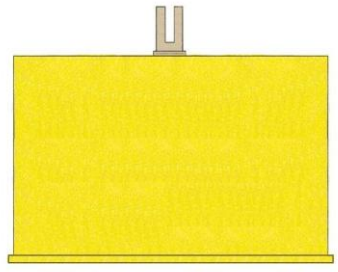
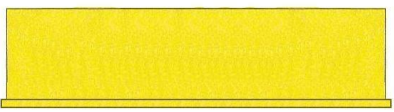
Wurfrahmen 40



28 cm. Wurfkörper Spr.
32 cm. Wurfkörper Fl.
28 cm. WK Spr. (Üb)
32 cm. WK Fl. (Üb)

PK28

PK32

<p>38 cm. RW. 61 L/5,4</p>		<p>38 cm. R. Sprgr. 4581 38 cm. R. HI. 4592</p>	<p>Verpackung Für 4581 u. 4592 Achtung! Feuchtigkeitsempfindlich vor regen und nässe zu Schützen. ⁴</p>
<p>54 cm. Gerät 041 L/11,5 (540x476 R ¹¹)</p> <p><i>Separate round.</i> CIN ? Cartridge case colour: 1</p>		<p>s Be Granate 041 Le Be Granate 041 Le Sprenggranate 041</p>	<p>No info available</p>
<p>60 cm. Gerät 040 L/8,44 (600x159 R)</p> <p><i>Separate round.</i> CIN ? Cartridge case colour: 1</p>		<p>s Be Granate 040 Le Be Granate 040 Le Sprenggranate 040</p>	<p>No info available</p>

1. The fin-stabilised muzzle-loaded stick grenade, fired by a special blank cartridge.
2. The Pzgr. Patr. 39/43 was a Pzgr. 39/1 with wider driving bands.

3. For the 10 cm. le. F. H. 18 M (mit Mündungsbremse) only.
4. Attention! Damp sensitive, protect against rain and moisture. This text in white or black was written across the ogive of the rocket. The rocket itself was painted olive green and had a 15mm.white band around the body at the center of gravity. The german explosive code number was 13A
5. Only for use by the 3,7 cm. Flak 36/37.
6. Pzgr. Patr. 39, 39/1 and Sprgr. Flak 41 could only be fired from the Pak/Kw.K. 43 L/71 if the barrel had not fired above 500 rounds!
7. The **8,8 cm. Sch. Sprgr. Patr. Kz L/4,5** was yellow from the fuze to the shoulder and blue thereafter. The **8,8 cm. Br. Sch. Gr. Patr. Kz L/4,5** was red from the fuze to the shoulder and blue thereafter. The 8,8 cm. Sch. Sprgr. Patr. Kz L/4,5 was only used a short time before it was replaced by the 8,8 cm. Br. Sch. Gr. Patr. Kz L/4,5.
8. The name "Patrone 813" was a code for an 8mm bullet in a 13mm casing – 8 13. This was done to keep the development of the in the 1930'ies new 7,92x94 anti tank rifle cartridge a secret. To further conceal the new 7,92mm ammunition for the Panzerbüchse 38 it was first issued with a training barrel in 13mm. It used a special version of the new 7,92x94 cartridge necked up to take a 13mm bullet (13x94). The old tank rifle used the 13x92SR T-patrone.
9. Left French cartridge right German.
10. Note the first round is without a Zusatzladung (Propelling/Increment charges placed around the tail shaft).
11. Length incl. the metal primer tube that sticks out above the rim of the shell case is 483mm.
12. Grünring - Rocket containing HN-3, a blister agent - nitrogen mustard gas.

Cartridge case colours:

1. Drawn brass.
2. Brass base, steel tubular body brass plated, composite.
3. Drawn steel brass plated.
4. Drawn steel copper or brass coated.
5. Drawn steel, lacquered.
6. Drawn steel, phosphated.
7. Drawn steel, oil-blackened!
8. Drawn steel, zinc-coated.
9. Three-piece steel, butt-welded tube, phosphated.
10. Three-piece steel, welded tube, oil-blackened.
11. Three-piece steel, welded tube, phosphated.
12. Wrapped steel, composite, oil-blackened.
13. Wrapped steel, composite, parkerised.
14. Wrapped steel, oil blackened.

5. Abbreviations/ Translations:

(f) = französisch (French).

(i) = italienisch (Italian)

(p) = polnisch (Polish).

(W) = Weichkern (Soft iron core).

(28x188) = Calibre x length of cartridge case (the standard way of identifying Amm.). The cartridge has an extractor groove.

(20x138B) = Belted cartridge. The cartridge has a raised portion just above the extractor groove.

(37x249R) = Rimmed cartridge. The cartridge has a rim and a small or none extractor groove.

88 = Patronenkasten 88 (Ammunition box 88).

Al = The shell had aluminium mixed into the explosive charge to produce a bright flash on impact.

Ansch. = Anschies (To sight in).

Ausf. = Ausführung (Execution).

Aush. = Aushilfs (Stuck shell ejector cartridge).

B = Patronenkasten 88 - Luftdichter (Airtight boxes was marked with a large B. Boxes marked A or nothing was non airtight).
B. -Patr. = Beobachtungsgeschoss- Patrone (Explosive incendiary-observing cartridge)
Be. = Beton (Anti concrete shell).
Beh. = Behälter (Container).
Bl. = Blind/ Blindgeschoss (Inert filling).
Blau = Blue (Smoke)
Blauring = Gas shell marked with a broken blue ring and the word Blauring. (DM vomiting gas).
Br. = Brand (Incendiary).
Büchse = Canister (Cylinder).
CIN = Case identification number (Case manufacturer's code number). 1651/1661st. = 1651 brass casing, 1661st. steel casing.
d. = Der (For).
Deut. = Deutgeschoss (Indicator shell giving coloured smoke).
Digl = Diglycol (Diethylenglycol powder - type of propellant).
El = Elektrische Abfeuerung (Electrically fired).
Ex. = Exerzierpatrone (Dummy/Practice/Drill round).
f. = führ (belonging to).
F. = Fern (Long range shell or propelling charge).
F.H. = Feldhaubitze (Field howitzer).
F.K. = Feld Kanone (Field cannon).
Fern = Long range shell or propelling charge.
FES = Führung Sintereisen (Sintered iron driving band).
FEW = Führung Weicheisen (Soft iron driving band).
Fl. = Flamm (Incendiary).
Flügel = Wing.
frz = französisch (French).
Gerillt = (Grooved = Shell engraved with 15 longitudinal grooves to improve fragmentation).
Gesamtgew. = Gesamtgeweicht (Total weight -in kilos).
Gesch. = Geschoss (Projectile, bullet)
Gr. = Granate (grenade).
gr. = grosse (Large).
Grünring = Gas shell marked with a green ring. Had also a ring of yellow/green detector paint (Anti-respiratory lethal gas).
H = Haube (Ballistic capped grenade).
H. = Gehartet (Hardened - often Tungsten carbide).
HEERES Munition = Army ammunition (**LUFTWAFFE Munition** = Air Force – **KRIEGSMARINE Munition** = Navy).
HI = Hohlladung (Hollow charge antitank shell).
HI/A = Hohlladung (Hollow charge antitank shell type A, B,C etc.).
HI.G. = Hohlladungs-Granate (Hollow charge grenade).
H-Pzgr. = Gehärtet Panzergranate (Hardened antitank shell).
Hülsenkart. = Hülsenkartusche (Charge in cartridge).
I = Infanterie - s. I. G = Schweres Infanterie Geschütz (Heavy infantry cannon).
Igr. = Infanteriegranate (Shell for infantry cannon).
K. = Kanone (Cannon).
Kart. = Kartusche (Charge).
Kast. = Kasten (Box).
Kasten = Box.
Kh. = Kammerhülse (Shell with central burster tube).
Kz. = Kopfzünder (nose fuze).
Ladepatr. = Ladepatrone (Dummy/Practice/Drill round primarily for practicing correct loading/reloading).

I. F. H. 18 M = leichte Feld Haubitze 18 mit Mündungsbremse (Light field Howitzer with muzzle brake).
I.S. = leichten Spitzgeschoss (Light pointed bullet)
I.S. L'spur = leichten Spitzgeschoss Leuchtspur (Light pointed bullet with tracer)
L/4,5 = lange 4,5 (Length 4,5 calibres).
L/Spur = Leuchtspur (Tracer).
Ldg. = Ladung (Charge).
Leuchtgeschoss = (Illuminating shot = Parachute-suspended illuminating unit (Star shell)).
Lg. Kart. Kast. = lange Kartusche Kasten (Long charge box).
Lg. Kast. = lange Kasten (Long box).
Luftdichter = (Airtight).
m. = Mit. (With)
mB = Mit Bleidraht (With decoppering foil/wire)
Man. = Manöver (Manoeuvre).
Mess. = Mess (Survey cartridge).
Mgr. = Minengranate (High capacity High explosive shell).
Mun. = Munition (Ammunition).
Nbgr. = Nebelgranate (Smoke shell).
o. = Ohne (Without).
oBD = Ohne Bleidraht (Without decoppering foil/wire).
P.m.K. = Phosphor mit Kern (Phosphorous/Incendiary bullet with steel core/armour piercing).
Patr. = Patrone (Cartridge).
Patronenbehälter = (Cartridge container (tube container)).
Patronenkasten = (Cartridge box).
PK = Packkiste, (PK28 or PK32 Transport crate model 28 or 32).
Pl. = Platzpatrone (Blank cartridge = Cartridge with a hollow wooden bullet for blank firing).
Platz = Platzpatrone (Blank)
Platz Wh. = Platzpatrone Widergeladen (Blank reloaded)
Pr.zugz. = Pressstahl zugezogen (Pressed steel)
Pzgr. = Panzergranate (Amour piercing grenade).
R. = Raketen (Rocket).
R.P. = Röhren Pulver (Tubular powder).
Rot = High explosive shell giving a red smoke burst on impact.
rot = red. This word, included in the designation of the projectile, indicates the presence of a red band above the driving band on calibres above 5 cm.. It is used to distinguish a projectile with a modified driving band where two otherwise identical types exist. Generally "rot" projectiles are fired from higher velocity equipment and the normal types from lower velocity equipments. On calibres 5 cm. and below it denotes the colour of the tracer.
S. = Spitzgeschoss (Pointed bullet)
S.m.E = Spitz mit Eisen (Pointed bullet with iron core)
S.m.K. = Spitz mit Kern (Pointed bullet with steel core/armour piercing)
S.m.K. Trop. = Spitz mit Kern Tropen (Pointed bullet with steel core/armour piercing for tropical use)
S.m.K. L'spur = Spitz mit Kern Leuchtspur (Pointed bullet with steel core/armour piercing tracer)
S.m.K. Gl.spur = Spitz mit Kern Glimmspur (Pointed bullet with steel core/armour piercing night tracer/dimmtracer)
S.m.K. H. = Spitz mit Kern Gehärtet (Pointed bullet with tungsten carbide core /armour piercing)
S.m.K.H.Rs. = Spitz mit Kern Gehärtet Reizstoff (Pointed bullet with tungsten carbide core and lachrymator (Tear gas))
S.-Ph. = Spitz Phosphor (Pointed bullet with Phosphorus/ Incendiary)
s.S. = Schweres Spitzgeschoss (Heavy pointed bullet)
Sch. = Schrapnell = (Shrapnel).
Schr. = Schrapnell = (Shrapnel).
Sond. = Sonder (Special).

Sonderkart. = Sonder Kartusche (Special charge).
Spr. = Spreng (High explosive).
Sprgr. = Sprenggranate (High explosive grenade).
Stg. = Stahlguss (Cast steel).
Stiel = (Stick).
Stock = Stick (for the muzzle-loaded stick grenade).
Teilkart. = Teilkartusche (Partial charge).
TS = Triebspiegel (Sub calibre projectile).
u. = und (and).
umg. = umgeändert (Modified).
vk. = Verkürzt (Shortened = It has a short burning tracer).
Vorl. = Vorlage (Flash reducing wad).
W. = Warme Übertragung (Heat transmitted = Tracer initiated self-destruction).
W = Weichkern – (7,5 cm. Pzgr. Patr. 40 (W)) (Soft iron core)
Weissring = Gas shell marked with a white ring (Non-lethal CN gas, produce sensory irritation/disabling physical effects).
Weiss-Rot Geschoss = Propaganda shell (leaflets) – White ogive/red body.
Wgr. = Wurfgranate (Mortar grenade)
WK = Wurfkörper (Rocket bomb)
Üb. = Übung (Exercise = Practice inert).
Üb. R. = Übungsgeschoss Rot (Practice shell giving red smoke burst).
Üb. W. = Übungsgeschoss Weiss (Practice shell giving white smoke burst).
Z.Z. = Zeitzünder. (Time fuze).
ZB = Zwischenboden (Diaphragm shell).
Zerl. = Zerleger (Self-destructing element).
Zerl.Z. = Zerleger Zünder, (Self-destructing fuze).
Zt.Z. = Zeitzünder. (Time fuze).
Zünder = (Fuze).
ZünderstellPatr. = ZünderstellPatrone (Dummy/Practice/Drill round primarily for practicing correct fuze setting).
ZZ = Zerleger Zünder (Self-destructing fuze).

For further information on ammunition boxes and containers i recommend:

http://wehrmachts.kisten.free.fr/sommaire_general.htm