

A & A GAME ENGINEERING PRODUCT SUPPORT

Product Support sheets come in the following types:

- Clarifications – these are more general clarifications about game play in response to questions from players.
- Corrections and Amendments – these include corrections to errors in game data, typing errors, and mistakes in game play that have come to light. These may come in two alternatives:
 - applicable to the most recent edition.
 - applicable to previous editions. These items will all have been incorporated into the latest edition on sale.
- New Rules – These rules will have been developed in response to requests from players. They may also have been developed from House Rules (see below).
- House Rules and player suggestions. House rules that are tested and work well may be incorporated into the basic rules if the author(s) approve.

OFFICER'S HANDBOOK

UPDATED NATIONAL DATA TABLE

GERMANY

DATE: 15TH NOVEMBER 2017

What is in this document ?

This document contains an updated list of vehicles.

New entries can be identified by a thicker left-hand table margin.

Modified entries have a thicker right-hand table margin and the bottom margins of cells in the table where there has been a change is also thicker.

Some of the vehicles that have been added are because we have them in our collections and have overlooked them while doing the original work.

Other vehicles have had their data altered where we have been able to get more technical specifications of the originals. This is particularly the case of wheeled self-propelled weapons.

Details of the vehicles concerned are summarised below, including in some cases relevant remarks.

- We have added the Beobachtungswagen auf Lorraineschlepper in the Other Vehicles section.
 - The speeds and costs of the Armed VW Kubelwagen, VW Schwimmwagen and Motorcycle/sidecar have been updated.
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Date	Type	Armament		Movement in cm			‘Squish’ Size		Armour		Direct Fire Range, To Hit modifier and Penetration					HE #	Notes Vehicles are Fully-tracked unless otherwise indicated i.e. [½]-tracked [w]heeled	Cost
		Turret	Hull	RR	CC	BG	F	S	35cm +1	50cm +0	60cm -1	70cm -2	85cm -2					
Tanks																		
7/1934	Pz I A	Twin MG(0:35)	—	40	25	15	1	1	1	1	1	—	—	—	No	13		
8/1937	Pz I B	Twin MG(0:35)	—	40	35	15	1	1	1	1	—	—	—	No	14			
4/1942	Pz I F	Twin MG(4:35)	—	30	15	10	2	8	5	—	—	—	—	No	Limited service in Russia	54		
5/1936	Pz II A	20-L55, MG(3:35)	—	40	35	15	1	1	1	2	1	—	—	1	35			
2/1937	Pz II B	20-L55, MG(3:35)	—	40	35	15	1	1	1	2	1	—	—	1	35			
3/1937	Pz II C (early)	20-L55, MG(3:35)	—	40	30	15	1	1	1	2	1	—	—	1	35			
5/1940	Pz II C (late)	20-L55, MG(3:35)	—	40	30	15	2	3	1	2	1	—	—	1	45			
5/1938	Pz II D/E	20-L55, MG(3:35)	—	50	35	15	2	3	1	2	1	—	—	1	48			
3/1941	Pz II F, G, J	20-L55, MG(3:35)	—	40	30	15	2	3	2	2	1	—	—	1	47			
1943	Pz II L ‘Luchs’	20-L55, MG(3:35)	—	50	40	20	2	3	2	2	1	—	—	1	54			
3/1939	Pz 35(t)	37-L40, MG(2:35)	MG(2:20)	40	25	15	2	3	2	3	2	2	—	1	53			
1/1940	Pz 38(t) A to D	37-L47.8, MG(2:35)	MG(2:20)	40	30	15	2	3	2	4	3	2	—	1	56			
11/1940	Pz 38(t) E to G	37-L47.8, MG(2:35)	MG(2:20)	40	30	15	2	5	3	4	3	2	—	1	64			
12/1938	Pz III F	37-L46.5, Twin MG(4:35)	MG(3:20)	40	30	15	2	3	3	3	2	2	—	1	67			
7/1940	Pz III F (late)	50-L42, MG(3:35)	MG(3:20)	40	30	15	2	3	3	5	4	3	2	1	71			
4/1940	Pz III G	50-L42, MG(3:35)	MG(3:20)	40	30	15	2	3	3	5	4	3	2	1	71			
10/1940	Pz III H	50-L42, MG(3:35)	MG(3:20)	40	30	15	2	6	3	5	4	3	2	1	79			
3/1941	Pz III J	50-L42, MG(3:35)	MG(3:20)	40	30	15	2	5	3	5	4	3	2	1	76			
12/1941	Pz III J (late)	50-L60, MG(3:35)	MG(3:20)	40	30	15	2	5	3	6	5	4	3	1	81			
6/1942	Pz III L, M	50-L60, MG(3:35)	MG(3:20)	40	30	15	2	7	3	6	5	4	3	1	86			
3/1942	Pz IV F2 and G (early)	75-L43, MG(3:35)	MG(3:20)	40	30	15	2	5	3	8	7	6	5	2	95			
12/1942	Pz IV G	75-L43, MG(3:35)	MG(3:20)	40	30	15	3	8	3	8	7	6	5	2	112			
3/1943	Pz IV G (late)	75-L48, MG(3:35)	MG(3:20)	40	30	15	3	8	3	9	8	7	6	2	116			
4/1943	Pz IV H	75-L48, MG(3:35)	MG(3:20)	40	30	15	3	8	3	9	8	7	6	2	With ‘Side Skirts’	130		
6/1944	Pz IV J	75-L48, MG(3:35)	MG(3:20)	40	25	15	3	8	4	—	—	—	—	2	With ‘Side Skirts’	130		
8/1943	Pz V A ‘Panther’	75-L70, MG(3:35)	MG(3:20)	45	35	20	3	14	5	12	11	10	9	2	CDW	129		
1/1943	Pz V D ‘Panther’	75-L70, MG(3:35)	MG(3:20)	45	35	20	3	14	5	12	11	10	9	2	With ‘Side Skirts’	141		
3/1944	Pz V G ‘Panther’	75-L70, MG(3:35)	MG(3:20)	45	35	15	3	14	5	12	11	10	9	2	CDW	208		
7/1942	Pz VI E ‘Tiger’ (early)	88-L56, MG(3:35)	MG(3:20)	40	25	15	4	10	8	11	10	9	8	7	3	189		
5/1943	Pz VI E ‘Tiger’ (late)	88-L56, MG(3:35)	MG(3:20)	40	30	15	4	10	8	11	10	9	8	7	3	CDW	215	
1/1944	Pz VI 2 ‘Königstiger’	88-L71, MG(3:35)	MG(3:20)	40	25	10	4	23	9	18	16	14	13	12	3	CDW	332	

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		Turret	Hull	RR	CC	BG	F	S	35cm +1	50cm +0	60cm -1	70cm -2	85cm -2				
Close Support Vehicles																	
6/1942	Pz III N	75-L24, MG(3:35)	MG(3:20)	40	30	15	2	7	3	Direct Fire only; No Area Fire				2	{HC (PEN 2d6+1)}	100	
								7	4						With 'Side Skirts'	112	
10/1939	Pz IV D	75-L24, MG(3:35)	MG(3:20)	40	30	15	2	3	2	Direct Fire only; No Area Fire				2	{HC (PEN 2d6+1)}	88	
9/1940	Pz IV E	75-L24, MG(3:35)	MG(3:20)	40	30	15	2	6	4	Direct Fire only; No Area Fire				2	{HC (PEN 2d6+1)}	103	
4/1941	Pz IV FI	75-L24, MG(3:35)	MG(3:20)	40	30	15	2	5	3	Direct Fire only; No Area Fire				2	{HC (PEN 2d6+1)}	95	
4/1943	Sturmpanzer IV	—	150-L12	40	25	15	3	13	5	Direct Fire only; No Area Fire				6	{HC (PEN 2d6+5)} SdKfz 166; 'Brummbär'	178	
4/1944	Sturmpanzer IV (late)	—	150-L12, MG(3:20)	40	25	15	3	13	5	Direct Fire only; No Area Fire				6	{HC (PEN 2d6+5)} SdKfz 166; 'Brummbär'	186	
								13	6						With 'Side Skirts'	207	
8/1944	38cm RW61 auf Sturm mortar Tiger 'Sturm tiger'	—	380-L5.4, MG(3:20)	40	25	15	4	21	9	Direct Fire only; No Area Fire <i>Restricted Use Rules apply</i>				9	CDW; <i>See Special Vehicles and Weapons</i>	364	
2/1943	SdKfz 250/8	—	75-L24	50	35	15	1	1	1	Direct Fire only; No Area Fire				3	[½] {HC (PEN 2d6+1)}	45	
1939	SdKfz 251/9	—	75-L24	45	30	15	1	2	1	Direct Fire only; No Area Fire				3	[½] {HC (PEN 2d6+1)}	45	
12/1942	SdKfz 233	—	75-L24	60	35	15	1	2	1	Direct Fire only; No Area Fire				3	[w] {HC (PEN 2d6+1)}	47	
6/1944	SdKfz 234/3	—	75-L24, MG(3:35)	60	35	20	2	4	1	Direct Fire only; No Area Fire				3	[w] {HC (PEN 2d6+1)}	76	
1939	8.8cm FlaK 18(Sfl) auf SdKfz 8 (12t)	—	88-L56	45	25	10	2	1	—	Direct Fire only; No Area Fire				3	[h] Armoured Cab	68	
1940	8.8cm FlaK 18(Sfl) auf SdKfz 9 (18t)	—	88-L56	45	25	15	3	1	—	Direct Fire only; No Area Fire				3	[h] Armoured Cab	77	
Armoured Cars																	
1941	SdKfz 250/9	20-L55, MG(3:35)	—	50	35	20	1	1	1	2	1	—	—	1	[½]	37	
1/1935	SdKfz 221	MG(3:35)	—	60	40	20	1	1	1	—	—	—	—	No	[w]	30	
1/1942		sPzB41	—							5	2	—	—	No	[w]	22	
1/1936	SdKfz 222	20-L55, MG(3:35)	—	60	35	20	1	1	1	2	1	—	—	1	[w]	38	
1/1932	SdKfz 231 (6-Rad)	20-L55, MG(0:35)	—	55	40	20	1	1	1	2	1	—	—	1	[w]	25	
1/1936	SdKfz 231 (8-Rad)	20-L55, MG(3:35)	—	60	35	20	1	2	1	2	1	—	—	1	[w]	39	
3/1940	with 'Pakschutz' additional armour			60	35	20	1	3	1							40	
5/1942	with thicker front armour			60	35	15	2	3	1							51	
6/1944	SdKfz 234/1	20-L55, MG(3:35)	—	60	35	20	2	4	1	2	1	—	—	1	[w]	53	
9/1943	SdKfz 234/2 'Puma'	50-L60, MG(3:35)	—	60	35	20	2	4	1	6	5	4	3	1	[w]	71	

{AP//HE as indicated}

Date	Type	Armament		Movement in cm			‘Squish’ Size		Armour					Direct Fire Range, To Hit modifier and Penetration				HE #	Notes Vehicles are Fully-tracked unless otherwise indicated i.e. [½]-tracked [w]heeled	Cost
		Turret	Hull	RR	CC	BG	F	S	35cm +1	50cm +0	60cm -1	70cm -2	85cm -2	{AP//HE; Smoke if gun is 75mm or greater}						
Self-propelled Anti-tank Guns																				
3/1940	4.7cm PaK(t) (Sf) auf Pz I B	—	47-L43	40	35	15	1	2	2	5	4	3	—	—	1	29				
4/1942	7.62cm PaK36(r) auf Pz IID	—	76.2-L51	50	35	15	2	2	2	9	8	7	6	—	2	62	SdKfz 132			
6/1942	7.5cm PaK40/2 auf Pz II (Sf)	—	75-L46	40	30	15	2	1	1	9	8	7	6	—	2	56	SdKfz 131; ‘Marder II’			
4/1942	PzJg 38(t) für 7.62cm PaK36(r)	—	76.2-L51, MG(2:20)	40	30	15	2	1	1	9	8	7	6	—	2	62	SdKfz 139; ‘Marder III’			
11/1942	7.5cm PaK40/3 auf Pz 38(t) Ausf H	—	75-L46, MG(2:20)	40	30	15	2	2	2	9	8	7	6	—	2	64	SdKfz 138; ‘Marder III H’			
4/1943	PzJg 38(t) mit 7.5cm PaK40/3 Ausf M	—	75-L46	40	30	15	2	1	1	9	8	7	6	—	2	56	SdKfz 138; ‘Marder III M’			
4/1944	JgPz 38(t) für 7.5cm PaK39	MG(0:35)	75-L48	40	25	15	2	12	3	9	8	7	6	—	2	87	‘Hetzer’			
3/1942	StuG III Ausf F	—	75-L43	40	30	15	2	8	3	8	7	6	5	—	2	71	SdKfz 142/1			
9/1942	StuG III Ausf F/8 and G	—	75-L48	40	30	15	2	8	3	9	8	7	6	—	2	75	SdKfz 142/1			
2/1944	StuG III Ausf G (late)	MG(0:35)	75-L48, MG(3:20)	40	30	15	2	8	3	9	8	7	6	—	2	98	CDW; SdKfz 142/1			
12/1943	StuG IV	—	75-L48	40	30	15	2	8	3	9	8	7	6	—	2	111	With ‘Side Skirts’			
2/1944	StuG IV	MG(0:35)	75-L48	40	30	15	2	8	3	9	8	7	6	—	2	75	SdKfz 167			
1/1944	StuG n.A. mit 7.5cm PaK auf Pz IV	—	75-L48, 2x MG(3:20)	40	30	15	3	9	3	9	8	7	6	—	2	102	CDW; SdKfz 167			
5/1944	Later version	—	75-L48, MG(3:20)	40	30	15	3	9	3	9	8	7	6	—	2	109	With CDW and single hull MG			
8/1944	PzJg IV mit 7.5cm PaK 42	—	75-L48, MG(3:20)	40	30	15	2	9	4	—	—	—	—	—	—	118	With ‘Side Skirts’			
	Both versions: Vomag and Alkett	—	75-L48, 2x MG(3:20)	40	30	15	2	8	3	9	8	7	6	—	2	125	With ‘Side Skirts’			
2/1943	8.8cm PaK43/1 auf Gw IV (Sf)	—	75-L48, MG(3:20)	40	30	15	2	8	3	9	8	7	6	—	2	98	CDW; SdKfz 142/1			
1/1944	‘Jagdpanther’	—	88-L71	40	30	15	2	1	1	18	16	14	13	12	3	103	CDW			
4/1943	StuG mit 8.8cm PaK43	—	88-L71	40	30	15	2	1	1	18	16	14	13	12	3	103	With ‘Side Skirts’, CDW			
10/1943	Later versions	—	88-L71, MG(3:20)	40	30	15	2	1	1	18	16	14	13	12	3	103	SdKfz 164; ‘Hornisse’ or ‘Nashorn’			
7/1944	‘Jagdtiger’	—	128-L55, MG(3:20)	40	25	15	4	26	9	18	17	16	15	14	5	248	With Hull MG			
7/1942	7.5cm PaK40/1 auf Gw Lorraine (Sf)	—	75-L46	40	25	10	1	1	1	9	8	7	6	—	2	347	CDW; SdKfz 186			
7/1942	7.5cm PaK40(Sf) auf Gw 39H(f)	—	75-L46	40	25	10	2	2	3	9	8	7	6	—	2	46	SdKfz 135			
1/1942	7.62cm FK36(r) auf 5t SdKfz 6/3	—	76.2-L51	45	25	15	2	1	1	9	8	7	6	—	2	58	[½] ‘Diana’			
12/1944	SdKfz 251/22	—	75-L46	45	30	15	1	2	1	9	8	7	6	—	2	49	[½]			
1944	7.5cm PaK40 auf S307(f)	—	75-L46	40	20	10	1	1	1	9	8	7	6	—	2	46	[½]			
1944	SdKfz 234/4	—	75-L46	60	35	20	2	4	1	9	8	7	6	—	2	66	[w]			
1943	7.5cm PaK40 auf RSO (Sf)	—	75-L48	25	20	10	1	1	—	9	8	7	6	—	2	44	Armoured Cab			

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		Turret	Hull	RR	CC	BG		F	S	35cm +1	50cm +0	60cm -1	70cm -2	85cm -2			
Self-propelled Artillery (Restricted Use rules apply to Rocket Launchers)																	
2/1940	15cm sIG33(Sf) auf Pz I B	—	150-L11	40	30	15	1	1	1	Indirect Area Fire 30 – 110	6	{HC (PEN 2d6+5)}	141				
11/1941	15cm sIG33 auf PzII (Sf)	—	150-L11	40	30	15	2	3	2	Indirect Area Fire 30 – 110	6	{HC (PEN 2d6+5)}	154				
2/1943	1eFH 18/2 auf Pz II (Sf)	—	105-leFH18M L28	40	30	15	2	2	2	Indirect Area Fire 45 – 175	4	{HC (PEN 2d6+3)} SdKfz 124; 'Wespe'	160				
2/1943	15cm sIG33 (Sf) auf Pz 38(t) Ausf H	—	150-L12	40	25	15	2	2	2	Indirect Area Fire 30 – 110	6	{HC (PEN 2d6+5)} SdKfz 138/1; 'Grille'	151				
4/1943	15cm sIG33/1 (Sf) auf Sf 38(t) Ausf K	—	150-L12	40	25	15	2	1	1	Indirect Area Fire 30 – 110	6	{HC (PEN 2d6+5)} SdKfz 138/1; 'Grille'	149				
1/1940	StuG III Ausf A	—	75-L24	40	30	15	2	5	3	Indirect Area Fire 25 – 95	3	{HC (PEN 2d6+1)} SdKfz 142	68				
6/1940	StuG III Ausf B	—	75-L24	40	30	15	2	5	3	Indirect Area Fire 25 – 95	3	{HC (PEN 2d6+1)} SdKfz 142	68				
5/1941	StuG III Ausf C and D	—	75-L24	40	30	15	2	5	3	Indirect Area Fire 25 – 95	3	{HC (PEN 2d6+1)} SdKfz 142	68				
9/1941	StuG III Ausf E	—	75-L24	40	30	15	2	5	3	Indirect Area Fire 25 – 95	3	{HC (PEN 2d6+1)} SdKfz 142	68				
12/1941	StuIG 33B auf Pz III	—	150-L11, MG(3:20)	30	20	10	2	8	6	Indirect Area Fire 30 – 110	6	{HC (PEN 2d6+5)}	181				
10/1942	StuH 42	—	105-L28	40	30	15	2	8	3	Indirect Area Fire 40 – 165	4	{HC (PEN 2d6+3)} SdKfz 142/2	169				
3/1944	StuH 42 (late)	MG(0:35)	105-L28, MG(3:20)	40	30	15	2	8	3	Indirect Area Fire 40 – 165	4	{HC (PEN 2d6+3)} CDW; SdKfz 142/2	192				
5/1943	15cm sFH18/1 auf Gw IV (Sf)	—	150-L30	40	30	15	2	1	1	Indirect Area Fire 45 – 180	7	SdKfz 165; 'Hummel'	270				
7/1942	15cm sFH13/1 auf Gw Lorraine (Sf)	—	150-L17	40	20	10	1	1	1	Indirect Area Fire 35 – 145	6	{HC (PEN 2d6+5)} SdKfz 135/1	182				
7/1942	10.5cm leFH18 auf Gw Lorraine (Sf)	—	105-L28	40	20	10	1	1	1	Indirect Area Fire 40 – 165	4	{HC (PEN 2d6+3)}	140				
7/1942	10.5cm leFH18(Sf) auf Gw 39H(f)	—	105-L28	40	25	10	2	2	3	Indirect Area Fire 40 – 165	4	{HC (PEN 2d6+3)}	152				
1941	SdKfz 250/7	—	82-GrW34	50	35	20	1	1	1	Indirect Area Fire 15 – 75	2	[½] Mortar	58				
5/1940	SdKfz 251/1 'Stuka zu Fuss'	—	6 tube 28/32 NbW41	45	30	15	1	2	1	Direct Area Fire 25 – 70	5	[½] Rocket Launcher	46				
1939	SdKfz 251/2	—	82-GrW34	45	30	15	1	2	1	Indirect Area Fire 15 – 75	2	[½] Mortar	47				
4/1943	SdKfz 4/1 15cm Panzerwerfer 42 auf Sf	10 tube 150-NbW 41	—	40	20	10	1	1	1	Indirect Area Fire 45 – 130	4	[½] Rocket Launcher; 'Maultier'	70				
5/1944	SdKfz 4/1 8cm R-Vielfachwerfer auf Sf	24 rail 80-Rak 48-rail 80-Rak	—	40	20	10	1	1	1	Indirect Area Fire 40 – 120	3	[½] Rocket Launcher; 'Maultier'; used by Waffen SS	51				
8/1944	15cm Panzerwerfer 42 auf SWS	10 tube 150-NbW 41	—	35	15	10	2	2	1	Indirect Area Fire 45 – 130	4	[½] Rocket Launcher	76				
5/1944	S303/307(f) 8cm R-Vielfachwerfer	24 rail 80-Rak 48-rail 80-Rak	—	40	20	10	1	1	1	Indirect Area Fire 40 – 120	3	[½] Rocket Launcher; 'Maultier'; used by Waffen SS	51				
5/1944	S303(f) mit Reihenwerfer	16 tube 80-Mortars	—	40	20	10	1	1	1	Indirect Area Fire 15 – 70	2	[½] See Special Vehicles and Weapons	65				
5/1944	S303(f) mit Reihenwerfer	—	—	40	20	10	1	1	1	Indirect Area Fire 15 – 70	2	[½] See Special Vehicles and Weapons	25				

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		Turret	Hull	RR	CC	BG	F	S	35cm +1	50cm +0	60cm -1	70cm -2	85cm -2	{n/g}								
Anti-aircraft Vehicles																						
1944	Flakpanzer 38(t)	20-Flak 38 (2)	—	40	35	15	2	1	1	1	1	1	1	1	1	1	1	1	No	Anti-aircraft (2)	41	
1944	Flakpanzer IV ‘Möbelwagen’	37-Flak 43 (3)	MG(3:20)	40	30	15	2	3	3	3	3	3	3	3	3	3	3	3	No	Anti-aircraft (3)	64	
1944	Flakpanzer IV ‘Wirbelwind’	Quad 20-Flak 38 (3)	MG(3:20)	40	30	15	2	2	2	2	2	2	2	2	2	2	2	2	No	Anti-aircraft (3)	61	
1944	Flakpanzer IV ‘Ostwind’	37-Flak 43 (3)	MG(3:20)	40	30	15	3	3	3	3	3	3	3	3	3	3	3	3	No	Anti-aircraft (3)	72	
1943	SdKfz 251/17	20-Flak 38 (2)	—	45	30	15	1	2	1	2	1	2	1	2	1	2	1	2	No	[½] Anti-aircraft (2)	32	
8/1944	SdKfz 251/21	3x 15-MG151 (7)	—	45	30	15	1	2	1	2	1	2	1	2	1	2	1	2	No	[½] Anti-aircraft (7)	70	
1943	SdKfz 7/1	Quad 20-Flak 38 (3)	—	45	25	15	2	1	—	—	—	—	—	—	—	—	—	—	No	[½] Anti-aircraft (3); Armoured Cab	50	
1943	SdKfz 7/2	37-Flak 36 (2)	—	45	25	15	2	1	—	—	—	—	—	—	—	—	—	—	No	[½] Anti-aircraft (2); Armoured Cab	49	
9/1943	SdKfz 10/5	20-Flak 38 (2)	—	50	40	20	1	1	—	—	—	—	—	—	—	—	—	—	No	[½] Anti-aircraft (2); Armoured Cab	34	
6/1944	3.7cm Flak auf sWS	37-Flak 43 (3)	—	35	15	10	2	2	—	—	—	—	—	—	—	—	—	—	No	[½] Anti-aircraft (3); Armoured Cab	44	
1941	SdKfz 6/2	37-Flak 36 (2)	—	45	25	15	2	—	—	—	—	—	—	—	—	—	—	—	No	[½] Anti-aircraft (2); CV	48	
1943	SdKfz 7/1	Quad 20-Flak 38 (3)	—	45	25	15	2	—	—	—	—	—	—	—	—	—	—	—	No	[½] Anti-aircraft (3); CV	49	
1943	SdKfz 7/2	37-Flak 36 (2)	—	45	25	15	2	—	—	—	—	—	—	—	—	—	—	—	No	[½] Anti-aircraft (2); CV	48	
1938	SdKfz 10/4	20-Flak 38 (2)	—	50	40	20	1	—	—	—	—	—	—	—	—	—	—	—	No	[½] Anti-aircraft (2); CV	33	
Flamethrower Vehicles (Restricted Use rules apply to the Flame Weapon)																						
1941	Flammpanzer II	20-L55, MG(3:35)	FT(2)	50	35	15	2	3	1	2	1	2	1	2	1	2	1	2	1	No	—	148
1944	Flammpanzer 38(t) ‘Hetzer’	MG(3:35)	FT(3)	40	25	15	2	12	3	—	—	—	—	—	—	—	—	—	No	—	212	
2/1943	Flammpanzer III	FT(4), MG(3:35)	MG(3:20)	40	30	15	2	7	3	—	—	—	—	—	—	—	—	—	No	—	300	
1941	Flamswagen auf Pzpkfw B-2(f)	47-L34, MG(1:35)	FT(2)	35	20	10	3	6	6	5	4	4	4	4	4	4	4	4	1	—	172	
1939	SdKfz 251/16	FT(3)	—	45	30	15	1	2	1	—	—	—	—	—	—	—	—	—	No	[½]	191	
Fully and Half-tracked Transport and Towing Vehicles																						
6/1943	SdKfz 4	—	MG(3:35), Cargo (1)	40	20	10	1	1	1	1	1	1	1	1	1	1	1	1	No	[½] ‘Maultier’	29	
6/1941	SdKfz 250/1	—	MG(3:35), Cargo (1)	50	35	20	1	1	1	1	1	1	1	1	1	1	1	1	No	[½]	36	
6/1941	SdKfz 250/10	—	37-L45, Cargo (1)	50	35	20	1	1	1	3	2	2	2	2	2	2	2	2	1	[½] Platoon command vehicle	33	
1941	SdKfz 250/11	—	20/28-SPzB41, Cargo (1)	50	35	20	1	1	1	5	2	2	2	2	2	2	2	2	No	[½] Platoon command vehicle	29	
6/1939	SdKfz 251/1	—	MG(3:35), Cargo (1)	45	30	15	1	2	1	—	—	—	—	—	—	—	—	—	No	[½]	34	
1939	SdKfz 251/10	—	37-L45, Cargo (1)	45	30	15	1	2	1	3	2	2	2	2	2	2	2	2	1	[½] Platoon command vehicle	31	
1943	U304(f)	—	Cargo (1)	45	25	15	1	1	1	—	—	—	—	—	—	—	—	—	—	[½]	18	
1943	S303/307(f)	—	Cargo (1)	40	20	10	1	1	1	—	—	—	—	—	—	—	—	—	—	[½]	15	
1943	Raupenschlepper Ost	—	Cargo (1)	35	35	20	1	—	—	—	—	—	—	—	—	—	—	—	No	—	18	
6/1944	Schwere Wehrmachtschlepper (sWS)	—	Cargo (1)	35	15	10	2	—	—	—	—	—	—	—	—	—	—	—	No	[½]	18	
1941	SdKfz 2	—	Cargo (1)	55	45	25	1	—	—	—	—	—	—	—	—	—	—	—	No	[½] ‘Kettenkrad’	25	
1941	SdKfz 3	—	Cargo (1)	40	25	10	1	—	—	—	—	—	—	—	—	—	—	—	No	[½] ‘Maultier’	15	

Date	Type	Armament		Movement in cm			'Squish' Size	Armour		Direct Fire Range, To Hit modifier and Penetration					HE #	Notes Vehicles are Fully-tracked unless otherwise indicated i.e. [½]-tracked [w]heeled	Cost
		Turret	Hull	RR	CC	BG		F	S	35cm +1	50cm +0	60cm -1	70cm -2	85cm -2			
Fully and Half-tracked Transport and Towing Vehicles (continued)																	
1934	SdKfz 6/1	—	—	Cargo (1)	45	30	15	2	—	—	—	—	—	No	[½]	27	
1938	SdKfz 7	—	—	Cargo (1)	45	25	15	2	—	—	—	—	—	No	[½]	26	
1939	SdKfz 8	—	—	Cargo (2)	45	30	15	2	—	—	—	—	—	No	[½]	36	
1938	SdKfz 9	—	—	Cargo (3)	45	30	15	2	—	—	—	—	—	No	[½]	45	
1938	SdKfz 10	—	—	Cargo (1)	55	40	20	1	—	—	—	—	—	No	[½]	23	
1934	SdKfz 11	—	—	Cargo (1)	45	30	15	1	—	—	—	—	—	No	[½]	18	
Other Vehicles																	
1935	Kl. Panzerbefehlswagen	—	—	MG(3:20)	40	35	15	1	1	1	—	—	—	No	Command vehicle	18	
2/1944	Aufkl. auf Pz 38(t)	20-L55, MG(3:35)	—	—	40	30	15	2	6	2	2	1	—	1	Reconnaissance	52	
2/1943	Artillerie-PzBeobachtungswgn Pz III	MG(3:35)	—	—	40	30	15	2	6	3	—	—	—	No	SdKfz 143; Artillery OP	49	
9/1944	Panzerbeobachtungswagen Panther	—	—	MG(3:20)	45	35	20	3	14	5	—	—	—	No	Artillery OP	108	
1944	Beobachtungswagen auf Lorraineschlepper	—	—	—	40	25	15	1	1	1	—	—	—	No	Artillery OP	9	
6/1940	SdKfz 254 (Saurer wheel-cum-track)	—	—	—	50	30	15	1	2	1	—	—	—	No	[½] Observation vehicle	11	
1/1935	SdKfz 223	MG(3:35)	—	—	60	40	20	1	1	1	—	—	—	No	[w] Radio car	30	
11/1940	SdKfz 260/261	—	—	—	60	40	20	1	1	1	—	—	—	No	[w] Radio car	13	
1/1935	SdKfz 263 (6-Rad)	—	—	MG(0:35)	55	40	20	1	1	1	—	—	—	No	[w] Radio car	16	
4/1938	SdKfz 263 (8-Rad)	—	—	MG(3:35)	65	40	20	1	2	1	—	—	—	No	[w] Radio car	29	
3/1940	with 'Pakschutz' additional armour	—	—	—	65	40	20	1	3	1	—	—	—	No	[w] Radio car	30	
1939	Armed VW Kubelwagen	—	—	MG(3:20)	60	40	20	1	—	—	—	—	—	No	[w] CV	20	
1939	Armed VW Schwimmwagen	—	—	MG(3:20)	60	35	20	1	—	—	—	—	—	No	[w] Amphibious; CV	23	
1939	Armed motorcycle/sidecar	—	—	MG(3:20)	65	55	25	0	—	—	—	—	—	No	[w] CV	18	

Bunkers with Turrets																
Type	Armament	Size	Toughness	Direct Fire Range, To Hit modifier and Penetration					HE #	Cost						
				35cm +1	50cm +0	60cm -1	70cm -2	85cm -2								
Pz I	Twin MG(0:35)	2	4	—	—	—	—	—	No	84						
Pz II	20-L55, MG(3:35)	2	4	2	1	—	—	—	1	105						
Pz 38(t)	37-L47.8), MG(2:35)	2	4	4	3	2	—	—	1	108						
Pz V 'Panther'	75-L70, MG(3:35)	3	5	12	11	10	9	—	2	251						
		4	6	—	—	—	—	—	—	341						
FT (Char canon)	37-SA18	1	3	2	1	—	—	—	1	38						
FT (Char Mitraillease)	MG(1:35)	1	3	—	—	—	—	—	No	38						
H-35	37-SA38, MG(1:35)	1	3	2	2	1	—	—	1	49						
		2	4	—	—	—	—	—	—	99						
R-35	37-SA18, MG(1:35)	1	3	2	1	—	—	—	1	47						
		2	4	—	—	—	—	—	—	97						

{AP as indicated//HE as indicated; Smoke if gun is 75mm or greater}