## **Appendix A: Comparison of Ranks**

American	British	French	German (Army)	German (SS)
			Soldat	SS-Mann
Private	Private	Soldat de deuxième classe	Obersoldat	Sturmmann
Private First Class	Lance Corporal	Soldat 1e classe	Gefreiter Stabsgefreiter or Obergefreiter	Rottenführer
Corporal	Corporal	Caporal	Unterofficier	Unterscharführer
,		Caporal-chef		
		Caporal-chef (1e		
		classe) Élève sous-officier		
Consciolist		Eleve sous-officier		
Specialist Sergeant	Compount	Sergent	Unterfeldwebel	Scharführer
Sergeam	Staff Sargaant or Color	Sergent	Unterfeldwebel	Scharfuhrer
Staff Sergeant	Staff Sergeant or Color Sergeant	Sergent-chef	Feldwebel	Oberscharführer
Technical Sergeant			Oberfeldwebel	Hauptscharführer
Master Sergeant		Adjudant	Stabsfeldwebel	Sturmscharführer
First Sergeant				
Sergeant Major		Adjudant-chef		
Command Sergeant				
Major Sergeant Major of the				
Army				
Second Lieutenant	Second Lieutenant	Sous- lieutenant	Leutnant	Untersturmführer
First Lieutenant	Lieutenant	Lieutenant	Oberleutnant	Obersturmführer
Captain	Captain	Capitaine	Hauptmann / Ritt- meister	Hauptsturmführer
Major	Major	Commandant	Major	Sturmbannführer
Lieutenant Colonel	Lieutenant-Colonel	Lieutenant-colonel	Oberstleutnant	Obersturmbannführer
Colonel	Colonel	Colonel	Oberst	Standartenführer
				Oberführer
Brigadier General	Brigadier	Général de brigade	Generalmajor	Brigadeführer
Major General	Major-General	Général de division	Generalleutnant	Gruppenführer
Lieutenant General	Lieutenant-General	Général de corps d'armée	General der (Infanterie, Artillerie, Panzertruppen, etc)	Obergruppenführer
General	General	Général d'Armée	Generaloberst	Oberstgruppenführer
General of the Army	Field Marshal	Maréchal de France	Generalfeldmarschall	Reichsführer-SS

#### **Appendix B: Unit compositions**

#### Divisional Composition (typical and at full deployment)<sup>1,2,3</sup>

	Personnel	Description
American		
Infantry Division	14,253	(3) infantry regiments, artillery regiment, and cavalry reconnaissance troop
		(3) parachute regiments and (1) glider regiment, (2) parachute artillery battalions, (2)
Airborne Division	12,900	glider artillery battalions, and antitank, engineer and AA battalions, and a reconnais-
		sance platoon
		(3) combat commands lettered A,B, and R each with a tank battalion and armored
Light Armored Division	10,734	infantry battalion, (3) artillery battalions, also cavalry reconnaissance squadron and an
		engineer battalion
II 4 1D	14.664	(2) armored regiments, (1) armored infantry regiment, (3) armored artillery battalions,
Heavy Armored Division	14,664	also engineer and armored reconnaissance battalion
German		
Infanterie (old)	17,000	(3) infantry regiments with (3) battalions per regiment
Infanterie (1944)	12,500	(3) infantry regiments with (2) battalions per regiment
Infanterie (2 Regiment	10,000	(2) infantry regiments with (3) battalions per regiment
type)		
Volksgrenadier	10,000	(3) infantry regiments with (3) battalions per regiment
Jäger	13,000	(2) infantry regiments with (3) battalions per regiment
Panzergrenadier	14,000	(2) infantry regiments and tank and AA battalions
SS-Panzergrenadier	15,000	(2) infantry regiments and a tank or assault gun battalion and AA battalion,
Panzer	14,000	(2) infantry regiments and a tank regiment and AA battalion,
SS-Panzer	17,000	(2) infantry regiments and SS tank regiment, SS rocket and SS AA battalions, less the
		artillery regiment
T. 11. 12.	16,000	(3) parachute regiments and a parachute AA battalion and parachute heavy mortar
Fallschirmjäger	16,000	battalion,
Luftwaffenfeld	12,500	absorbed into army as 1944 type infantry division

#### Regimental Composition (typical and at full deployment)

American	
	(3) infantry battalions each with (4) companies (lettered A-M skipping J), a cannon company with
Infantry	(2) SP 105-mm howitzers and (6) SP 75-mm howitzers, and a HQ company with an Intelligence &
	Reconnaissance Platoon,
Armored	(1) light tank battalion, (2) heavy tank battalions, and a reconnaissance company
Armored Infantry	(3) armored infantry battalions with HQ, assault gun, and reconnaissance companies
Airborne (parachute and glider)	(3) parachute battalions each with (3) companies (lettered A-I)
	(3) artillery battalions each with (12) 105-mm guns
Artillery	(1) artillery battalion with (12) 155-mm guns,

<sup>1</sup> Over the course of the war, changes to unit organizations were common, during an engagement support units were frequently attached or detached as the situation warranted.

<sup>2</sup> The fighting strength of a division was considerably lower, for example an American armored Division had 5,000 combat soldiers, British armoured division approximately 7,000, but a German Waffen SS division could be as high as 12,000.

<sup>3</sup> A division also included medical, signal, service, ordinance and military police units.

German			
Infanterie (old type)	(3) infantry battalions of (4) companies		
Infanterie 1944	(2) infantry battalions of (4) companies		
Volksgrenadier	(2) infantry battalions each of (3) grenadier companies and a heavy weapons company		
SS-Infanterie	(2) infantry battalions of (4) companies with howitzer and antitank companies		
Grenadier (mot)	(3) motorized infantry battalions with SP heavy infantry howitzer and antitank companies		
Panzergrenadier	(2) motorized infantry battalions with SP heavy infantry howitzer and engineer companies		
SS Danzararanadiar	(1) armored battalion and (2) motorized infantry battalions with SP heavy infantry howitzer, half-		
SS-Panzergrenadier	track engineer, and AA companies		
Panzer	(1) Panzer Battalion with (22) PzKpfw IV and (1) Battalion with (22) PzKpfw V; also (1) Flak		
Panzer	platoon		
SS Panzer	(2) Panzer Battalions		
Fallschirmjäger	(3) parachute battalions and 120-mm gun and antitank companies		
Artillerie in 1944 Infantry	(2) 1 4 1' '4 105 1 '4 1(1) 1 4 1' 0150 1 '4		
Div	(3) battalions with 105-mm howitzers and (1) battalion of 150-mm howitzers		
Artillery Regiment in	(1) battalion with 75-mm antitank guns, (2) battalions with 105-mm howitzers, and (1) battalion with		
Volksgrenadier Divisions	150-mm howitzers		
Artillery Regiment in	(1) hottolion of SD 105 mm and 150 mm havritgans (1) hottolion with 105 mm havritgans and (1)		
Panzer & Panzergrenadier	(1) battalion of SP 105-mm and 150-mm howitzers, (1) battalion with 105-mm howitzers, and (1)		
Divisions	battalion of 150-mm howitzers		
Heeresküsten-	Army Coast Artillery with (2) or (3) coast artillery battalions and any number of independent batter-		
artillerie	ies		

## **Battalion Composition (typical and at full deployment)**

American	
	(4) companies lettered A-M, fourth company in each battalion was heavy weapons company with
Infantry	machine guns and mortars; HQ Company with antitank platoon initially with (4) 37-mm and later
	with (3) 57-mm antitank guns, 871 men total
Armored Infantry	(3) rifle companies each with antitank platoon and a HQ company with mortar, reconnaissance,
Armored Infantry	assault gun, and machine gun platoons, 1001 men total
Armored Infantry (Heavy	(3) rifle companies and a HQ company with mortar, reconnaissance, assault gun, and machine gun
Division)	platoons, 700 men total
A 1 (I : -1-4 Dii-i)	(1) light tank company, (3) medium tank companies with a HQ company with a HQ, mortar, recon-
Armored (Light Division)	naissance, and assault gun platoons
	(3) light tank companies with a HQ company with a HQ, mortar, reconnaissance, and assault gun
Armored, (Heavy Divi-	platoons
sion)	or
	(2) medium tank companies and armored reconnaissance platoon
Parachute / Glider	(3) rifle companies each with mortar squad and a HQ company with mortar and light machine gun
Parachute / Gilder	platoons, 706 men total / 658 men total
T. 1	Headquarters and Headquarters Company, Service Company, (3) medium tank companies
Tank	and a light tank company with HQ and Service Companies.
Tank Destroyer	(3) companies each with (12) guns and a mechanized cavalry troop
Artillery	(3) batteries each with (4) 105-mm SP howitzers
Armored Artillery	(3) batteries each with (6) 105-mm SP howitzers
	(4) cavalry troops, lettered A to D, each equipped with (13) M8 armored cars and jeeps and a assault
Armored Reconnaissance	gun troop; E company with (8) M8 SP howitzers and light tank company with (17) M5 Stuart, or
	later M24, tanks
Cavalry Reconnaissance	(3) cavalry troops, lettered A to C, each equipped with (13) M8 armored cars and jeeps and an assault
Squadron	gun troop
Ranger	(6) rifle companies and a HQ company, 504 men total

German	
Infantry	(4) infantry companies
	(machine gun battalion): (3) companies of heavy machine guns and panzerfausts plus a heavy weap-
Maschinegewehr	ons company
Schwere	
Granatenwerfer	(heavy mortar battalion): (3) companies each with (12) 120-mm mortars
- ·	(antitank battalion): (1) company of (12) towed 75-mm AT guns, (1) company of (14) SP 75-mm AT
Panzerjäger	guns, and (1) company of (12) 20-mm AT guns
	(tank battalion): (3) companies each of (3) platoons each with (4) tanks, (2) tanks in company HQ,
Panzer	(6) tanks in battalion HQ, frequently also a fourth assault gun company
	(SS-tank battalion): similar to tank battalion with (1) additional tank per platoon and (2) additional
SS-Panzer	tanks in battalion HQ
HQ PzKpfw VI (Tiger)	(tank battalion assigned to corps): (14) Tiger tanks per company and (3) in battalion reserve
HQ PzKpfw V (Panther)	(tank battalion assigned to corps): with (17) Panther tanks per company and (3) in Bn reserve

## **Appendix C: German Military Units**

Unit	Commander	Allied army equiv- alent	Composition
Trupp			a small group dedicated to a specific task
C	Obergefreiter or Un-	British section or US	the smallest permanent unit in an infantry formation,
Gruppe	teroffizier	squad	usually 8-12 men
	Unteroffizier, Haupt		
Zug	Feldwebel or Leut-	infantry platoon	(3) gruppen and a HQ trupp
	nant		
Zug, artillerie	same		a trupp with two guns
Zug, panzer	same	armored platoon	(5) tanks
Kompanie (numbered			
sequentially in a			
regiment with Arabic	Oberleutnant or	infantar, aanan aari	(2) plate and a leasener interner HO.
numerals, 1st, 2nd,	Hauptmann	infantry company	(3) platoons and a kompanietrupp HQ;
3rd, 4th company in I			
Batallion, etc,			
Vammania mangan	Oberleutnant or	ammanad aammany	(A) mangan Zua nina a HO
Kompanie, panzer	Hauptmann	armored company	(4) panzer Zug plus a HQ
Batterie, artillery	Oberleutnant or		4
	Hauptmann	artillery battery	two zug with four guns
Schwadron, cavalry	Rittmeister	squadron	

Batallion (numbered			
consecutively in a	Major or Oberstleut-		
regiment with Roman	nant	infantry battalion	(3) infantry companies and a support company
numerals)	nant		
Abteilung, artillery	Major	artillery battalion	three batteries totaling 12 guns
	Major or Oberstleut-	-	(3) light kompanie (PzKpfw III) and one heavy kom-
Abteilung, panzer	nant	armored battalion	panie (PzKpfw IV)
			(3) battalions, mortar kompanie, anti-tank kompanie,
			support and HQ kompanie; a regiment frequently had
Regiment infantry	Oberstleutnant or	infantry regiment	a 13th kompanie (mortar and light artillery), a 14th
panzer,	Oberst	, ,	kompanie (antitank) and sometimes even a 15th kom-
			panie (engineers)
Regiment, artillery	same	artillery regiment	(4) artillery abteilungen (3 light and 1 heavy)
			(2) panzer abteilungen and a support services com-
Regiment, panzer	same	armored regiment	pany
Brigade (not frequently	Oh		(2)
used)	Oberst or Generalmajor		(2) motorized infantry regiments in a panzer division
	Generalmajor or Gen-		(3) infantry regiments, (1) artillery regiment and
Division	eral-leutnant	infantry division	anti-tank, reconnaissance, and engineer battalions
			with support troops
			varied but generally (2) motorized infantry regiments
		armored division	with (2) battalions each; (1) panzer regiment with (1)
Panzer Division	Generalmajor or Gen-		battalion PzKpfw IV and (1) battalion with PzKpfw
	eral-leutnant		V; (1) artillery abteilung with mix light and heavy SP
			guns; (1) antitank battalion
Korps	General-leutnant	corps	2 to 4 divisions
Panzergruppe	varied	·	armored corps command reporting to army group
Artillerie-	varied	corps artillery	command with large assets to support korps or armee
kommandeur or Arko		corps artificing	command with rarge assets to support korps of armee
Armee	General der Infan-	Army	2 or more korps
	terie or Generaloberst		no.ps
	General der Pan-		
Panzerarmee	zertruppen or Gener-		armored force with weak or strong armored elements
	aloberst		
Heerestruppen			independent battalions for specialized support func-
	1.1		tions
Kampfgruppe	assumed the name of	battlegroup	ad-hoc combat formation usually for identified
Kampigruppe	its commander	<i>O</i> 1	purpose

**Appendix D: Glossary of German Military Terms** 

	Abbreviation,	
	acronym, nick-	
		Description
	name or literal	
	translation	
Abteilung	Abt	Detachment or section, or battalion-sized unit of armor, artillery of cavalry
Abwehr		Counter-espionage service of the German High Command
Allgemeine SS	General SS	Full-time administrative, security, intelligence and police branches of the Schutz- staffel
Armeekorps		Infantry corps
Armeeoberkommando		Field Army Command
Aufklärungs Abteilung		Reconnaissance unit or battalion
Drang nach Osten	Drive to the east	Historic German desire to expand eastward
Einsatzkommando		Company-sized subunits which killed Jews, Communists and others in the Soviet
Eigamag Vmaug	Inon Cuosa	Union Medal awarded for valences convice
Eisernes Kreuz Fall Gelb	Iron Cross Case Yellow	Medal awarded for valorous service
Fall Grün	Case Green	Plan for invasion of the Netherlands, Belgium and France Plan for intended invasion of Czechoslovakia
Fall Rot	Case Green  Case Red	Plan for counterstrike against France in the event of an attack from the West
Fall Weiß	Case White	Plan for invasion of Poland
Fallschirmjäger	Case Willie	Parachute trooper
Festung		Fortress
Flakpanzer		Armored self-propelled antiaircraft gun
Flugabwehrkanone	FlaK	Anti-aircraft artillery gun
Freya radar	Tiaix	First operational radar in the Kriegsmarine
Führerhauptquartiere	FHQ	Official headquarters especially constructed for use by the führer
T diff efficiency durities e	1114	Light infantry, given to reconnaissance formations when the Germans reduced the
Füsilier		number of standard infantry battalions in their divisions from 9 to 6
Gebirgsjäger		Mountain troops
Gefallen	Fallen	Killed in action
Geheime Staatspolizei	Gestapo	Secret State Police
Generalkommando		Headquarters of an army corps
Generalstab des Heeres	Gen. St.d. H.	German Army General Staff
Geschwader		Luftwaffe squadron
Granatwerfer		Mortar
Hakenkreuz	hooked cross	Swastika used by the Nazi Party
Haubitze		Howitzer
Heeresgruppen-	HGr.Kdo	Army Group Command
kommando	IIOI.Kuo	Army Group Command
Höckerlinie		Antitank defenses, Dragon's Teeth
Jagdbomber	Jabo	Fighter-bomber
Jagdgeschwader	JG	Single-engine fighter wing/group, literally: hunting squadron
Kampfgeschwader	KG	Bomber wing/group
Kampfgruppe		Army battle group usually an ad hoc task force
Kampfwagenkanone	KwK	Turret-mounted main cannon of a battle tank
Kanone		Gun as opposed to a howitzer
Kaserne		Barracks
Kübelwagen	Kübel	Open-topped military utility cars

Landsturm		Infantry of non-professional soldiers or militia
Landwehr		Territorial Army: a type of militia
Maultier	SdKfz 4	Half-track truck
Nachtjagdgeschwader	NJG	Night-fighter wing/group
Nationalsozialistische	1130	rught-fighter wing group
Deutsche Arbeiterpartei	NSDAP	National Socialist German Worker's Party or Nazi Party
Nebelwerfer	Nb. W, fog	Multi-barrel rocket launchers used for smoke or high-explosive projectiles
	thrower	
Oberbefehlshaber des Heeres	Ob.d.H.	Commander-in-Chief of the Army
Oberfehlshaber West	OB West	Commander-in-Chief West
Oberkommando der	OB West	Communication west
	OKL	High Command of the Air Force
Luftwaffe		-
Oberkommando der Marine	OKM	High Command of the Navy
Oberkommando der		
	OKW	High Command of the Armed Forces
Wehrmacht		6
Oberkommando des	ОКН	High Command of the Amery and Amery Command Staff
Heeres	UKH	High Command of the Army and Army General Staff
		Civil and military engineering group named after its founder, Fritz Todt, which
Oussanisation To dt		
Organisation Todt		built the Autobahns, Westwall (Siegfried Line), Wolfsschanze, and Atlantic Wall,
		notorious for its use of conscript and slave labor
Panzer-	PaK	A mtiton Ir ove
abwehrkanone	rak	Antitank gun
Panzerfaust	tank fist	Disposable portable antitank weapon
Panzergrenadier		Mechanized infantry or a soldier belonging to a mechanized infantry unit
Panzerjäger		Tank destroyer or antitank unit fielding a variety of antitank weapons
Panzerkampfwagen	PzKpfw	Armored fighting vehicle (tank)
Panzerschreck	tank terror	Reloadable portable antitank weapon
Pionier (pl. Pioniere)		Combat engineer
Reichskanzlei	Reich Chancellery	Office of the German Chancellor (Reichskanzler).
Reichs-		Reich Main Security Office or Reich Security Head Office created by Himmler to
sicherheitshaupt-	RSHA	combine all German security and police departments, including the Gestapo, Kripo
	1011/1	
amt	W 111 C 2	and SD
Ritterkreuz des	Knight's Cross of	Highest award for bravery
Eisernen Kreuzes	the Iron Cross	
Sanität		Medical unit or medical personnel
Schützen-	SPW	Armored half-track or self propelled weapon
panzerwagen		Nazi organization that grew from Hitler's personal body guard into a fourth branch
Schutzstaffel	SS	
		of the Wehrmacht
Sicherheitsdienst der SS	SD	Security service of the SS and Nazi Party, main intelligence and counter-espionage
prenentensatenst det 99	שט	section of the RSHA
SS-Totenkopf verbände	SS-TV	SS responsible for the concentration camps, Death's Head units
Stammlager	Stalag	German prisoner-of-war camp
Sturmabteilung	SA	Storm troopers, originally Hitler's praetorian guard (bodyguard) of Brown Shirts,
_	G. C	disbanded
Sturmgeschütz	StuG	Self-propelled assault gun

		,
Sturz-	Stuka	Any dive-bombing aircraft but generally associated with the Ju-87 dive bomber
kampfflugzeug	Stuku	This dive comoning uncluit out generally associated with the sa of dive comoci
Tommy		German slang for a British soldier
Unterseeboot	U-boot	Submarine
Vergeltungs-	V1	First German vengeance weapon, pilotless, cruise missile powered by a pulse-jet
waffen-1	V 1	engine
Vergeltungs-	V2 or A4	Cymansonia lana manaa madrat
waffen-2	V 2 OF A4	Supersonic long-range rocket
Vergeltungs-	1/2	T 4.1
waffen-3	V3	Long-range, smooth-bore gun
Volksgrenadier		Honorary title given to mostly low-grade infantry divisions formed late in the war
Volkssturm		People's defense force, mostly of boys and older men
Wacht am Rhein	Guard on the	December 1944 Ardennes Offensive, known by Americans as the Battle of the
	Rhine	Bulge
Waffen-SS		Armed SS, military combat branch of the SS
		(1) officially a Reserve Army contingency plan in the event of a breakdown in law
Walküre	Valkyrie	and order, (2) failed 20 July 1944 Plot to arrest SS and Nazi officials and seize
		control of the German government
		Meeting held on January 20, 1942 near Lake Wannsee in Berlin in which it was
Wannsee Conference		made official Nazi policy to totally annihilate European Jews and other ethnic
		groups
Wehrmacht	ĺ	Combined three branches of German armed forces
Wolfsschanze	Wolf's Lair	Hitler's Eastern Front military headquarters
Würzburg radar		German air defense radar
Zuldan D		Commercial name for the prussic acid (hydrocyanic acid) gas used in German
Zyklon-B		extermination camps

## **Appendix E: French Military Abbreviations**

Division Cuirassée (DCR)	Armored Division
Bataillon de Chars de Combat BCC)	Independent Tank Battalion
Division Legère Mecanique (DLM)	Light Mechanized Division
Division Legère de Cavalerie (DLC)	Light Cavalry Division
DINA	Infantry Division North African
Dragons Portés	Mechanized Infantry Regiment
RAM	Armored Car Regiment
Régiment de Découverte	Scout Regiment
Chasseur	Literally: Hunter

# Appendix F: Armor Comparison

Tanks								
			Front	Vehicle	Road			
	Model	Crew	Armor	weight	Speed	Main Gun	Description, auxiliary guns	
			(mm)	(tons)	(kph)			
American	M26 Pershing	5	102	41.2	48	90-mm	Heavy tank, (1) 12.7-mm and (2)	
Afficiali	Wizo i cisiilig	3	102	41.2	40	90-IIIII	7.62-mm MG	
American	M3A1 Stuart III	4	38	12.7	57	37-mm	Light tank, (3) 7.62-mm MG	
American	M4A4 Sherman	5	81	33	36.8	75-mm	Medium tank, (1) 7.62-mm MG	
D 2/1	A22 Mark IV	_	102	20.5	27	76-mm &	(1) 7.92-mm Besa MG, up-gunned in	
British	Churchill	٥	102	38.5	27	40 mm	succeeding marks	

	5	76	28.4	43	6-pounder	(2) 7.92-mm Besa MG,	
Mark VIII Centaur					1	,	
A27M Cruiser							
Mark VIII Crom-	5	76	27.5	51	6-nounder	(2) 7.92-mm Besa MG, upgunned	
	5	70	21.5	31	0-pounder	with 75-mm	
A30 Cruiser Chal-	5	101	32	51	76.2-mm	(1) 7.62-mm MG	
lenger							
A34 Cruiser	_	101	25	16	77	(2) 7.02 D MC	
Comet	3	101	33	40	/ /-mm	(2) 7.92-mm Besa MG	
						(2) MG	
Firefly	4	81	33	40		up-gunned American Sherman	
Char D big	4	60	22	20	75-mm &	(2) 7.5-mm MG	
Cliai B-0is	4	00	32	20	47-mm	(2) 7.3-IIIII WG	
Hotchkiss H-35	2	40	10.43	27	37-mm	(1) 7.5-mm MG	
Hotchkiss H-39	2	40	11.9	36	37-mm	(1) 7.5-mm MG	
Renault R-35	3	45	14.3	41	37-mm	(1) 7.5-mm MG	
Souma (S-35)	3	40	19.2	40	47-mm	(1) 7.5-mm MG	
D. H. C. 20(1)	4	2.5	0.05	10	37-mm KwK	G 1 GL 1 1 T 20 (2) T 02	
PzKpfw 38(t)	4	25	9.25	42	L/40	Czech Skoda LT-38, (2) 7.92-mm MG	
PzKpfw III J	5	77	22	40	50-mm Kwk	Medium Tank, up-gunned, (2) MG 34	
PzKpfw IV Model	_				75-mm KwK		
н	5	60	22	32	40 (L/43)	Medium Tank, (2) 7.92-mm MG 34	
					75-mm KwK		
* `	5	100	45.5	48	, , ,	Heavy Tank, (2) 7.92-mm MG 34	
	5	100	56	36		Heavy Tank, (2) 7.92-mm MG 34	
/						* / / /	
PzKpfw VI (Tiger	5	150	68	39	88-mm KwK	Heavy Tank (2) 7.92-mm MG 34	
		150	00	33			
	Mark VIII Cromwell A30 Cruiser Challenger A34 Cruiser Comet  Crusader I Firefly Char B-bis Hotchkiss H-35 Hotchkiss H-39 Renault R-35 Souma (S-35) PzKpfw 38(t) PzKpfw III J	Mark VIII Centaur         5           A27M Cruiser         5           Mark VIII Cromwell         5           A30 Cruiser Challenger         5           A34 Cruiser         5           Comet         5           Crusader I         5           Firefly         4           Char B-bis         4           Hotchkiss H-35         2           Hotchkiss H-39         2           Renault R-35         3           Souma (S-35)         3           PzKpfw 38(t)         4           PzKpfw III J         5           PzKpfw IV Model         5           H         PzKpfw V (Panther) G           PzKpfw VI (Tiger         5           I)         PzKpfw VI (Tiger	Mark VIII Centaur         5         76           A27M Cruiser         76         76           Mark VIII Cromwell         5         76           A30 Cruiser Challenger         5         101           A34 Cruiser         5         101           Comet         5         40           Firefly         4         81           Char B-bis         4         60           Hotchkiss H-35         2         40           Hotchkiss H-39         2         40           Renault R-35         3         45           Souma (S-35)         3         40           PzKpfw 38(t)         4         25           PzKpfw III J         5         77           PzKpfw V (Panther) G         5         100           PzKpfw VI (Tiger         5         100	A27M Cruiser         5         76         28.4           Mark VIII Centaur         5         76         27.5           Mark VIII Cromwell         5         76         27.5           A30 Cruiser Challenger         5         101         32           A34 Cruiser Comet         5         101         35           Crusader I         5         40         18.5           Firefly         4         81         33           Char B-bis         4         60         32           Hotchkiss H-35         2         40         10.43           Hotchkiss H-39         2         40         11.9           Renault R-35         3         45         14.3           Souma (S-35)         3         40         19.2           PZKpfw 38(t)         4         25         9.25           PZKpfw III J         5         77         22           PZKpfw V (Panther) G         5         100         45.5           PZKpfw VI (Tiger         5         100         56	Mark VIII Centaur         5         76         28.4         43           A27M Cruiser           Mark VIII Cromwell         5         76         27.5         51           A30 Cruiser Challenger         5         101         32         51           A34 Cruiser Comet         5         101         35         46           Crusader I         5         40         18.5         43           Firefly         4         81         33         40           Char B-bis         4         60         32         28           Hotchkiss H-35         2         40         10.43         27           Hotchkiss H-39         2         40         11.9         36           Renault R-35         3         45         14.3         41           Souma (S-35)         3         40         19.2         40           PzKpfw 38(t)         4         25         9.25         42           PzKpfw III J         5         77         22         40           PzKpfw V (Panther) G         5         100         45.5         48           PzKpfw VI (Tiger         5         100         56         36     <	Mark VIII Centaur         5         76         28.4         43         6-pounder           A27M Cruiser         Mark VIII Cromwell         5         76         27.5         51         6-pounder           A30 Cruiser Challenger         5         101         32         51         76.2-mm           A34 Cruiser Comet         5         101         35         46         77-mm           Crusader I Strefly         4         81         33         40         17-pounder           Char B-bis         4         60         32         28         47-mm           Hotchkiss H-35         2         40         10.43         27         37-mm           Hotchkiss H-39         2         40         11.9         36         37-mm           Renault R-35         3         45         14.3         41         37-mm           Souma (S-35)         3         40         19.2         40         47-mm           PzKpfw 38(t)         4         25         9.25         42         37-mm KwK           L/40         PzKpfw II J         5         77         22         40         50-mm Kwk           PzKpfw V (Panther) G         5         100         45.5	

#### **Tank Destroyers**

	Model	Gun	Max Ar- mor (mm)	Description / armament	
American	M-10 Wolverine	76-mm	37	(1) 12.7-mm MG, later up-gunned with 90-mm gun	
American	M-18 Hellcat	76-mm	12	(1) 12.7-mm MG	
American	M-36	90-mm	50	(1) 12.7-mm MG	
British	A30 Avenger	17-pounder	101	(1) 7.7-mm Bren MG on AA mount	
British	M10 Achilles	17-pounder	37	Upgunned American M10	
German	Elephant	88-mm Stu K 43 (L/71) or 88-mm Pak 43/2	185	Formerly known as Ferdinand, mounted on Pz Jäger Tiger P chassis	
German	Jagdpanther	88-mm Pak 43/3 or 43/4	100	Mounted on Pz Jäger Panther chassis, (2) 7.92-mm MG	
German	Jagdpanzer IV	75-mm Pak39 L/48	100	Mounted on Pz Kpfw IV chassis	
German	Jagdtiger	Jagdtiger 128-mm Pak 44 (L/55)		Mounted on Pz Jäger Tiger B chassis, (2) 7.92-mm MC	
German	Nashorn (Rhinoc- eros)	88-mm Pak 43	30	On hybrid Pz Kpfw III and IV chassis	