

### Aces High: Projectile Damage Values

Caliber	Country	Model	Projectile Type	Dmg vs OBJ (1/1000th)	Platform Examples
All .30 cal	All	misc. MG's	FMJ	.28 to .31	
.50 cal	US/UK	M2 (ground)	AP	1.25	M16, gv AA
.50 cal	US/UK	M2 (aircraft)	AP	1.17	many
12.7mm	USSR	UBS	AP	1.15	Yak's, I-16
12.7mm	Japan	Ho-103	AP	0.99	Ki61, Ki84
12.7mm	Italy	SAFAT	AP	0.95	C202 & C205
13mm	GER	MG 131	AP	0.92	109's, 190's
20mm	UK/US	MkII/MkV Hispano	HE	4.03	Spits, Mossi, Temp
20mm	JPN	Type 99 Mk II	HE	3.85	NiK2, A6m5
20mm	GER	MG 151/20	HE	3.55	109's, 190's
20mm	USSR	B-20 & ShVAK	HE	3.47	La7, La5, Yak-9U
20mm	JPN	Type 99 Mk I	HE	3.42	A6m2, G4m
20mm	JPN	Ho-5	HE	3.35	Ki45, Ki61, Ki67
20mm	GER	MG-FF	HE	3.25	109E-4, 110C-4
20mm	GER	Flak 38	HE	4	Wirblewind
23mm	USSR	Vya	AP	5.5	Il-2
30mm	GER	Mk 108	HE	11.6	110G-2, 190A-8
37mm	USSR	NS37	AP/HE	17.1/17.1	Il-2, Yak-9T
37mm	US	M4	HE	17.1	P39/PT Boat
37mm	US	M6 L/53	HE/AP	HE 31/ AP 15.6	M8 Greyhound
37mm	GER	Flak 18	HE	15.6	Ostwind
40mm	UK	Vickers S	AP	14	Hurricane IID
50mm	GER	BK 5	HE	54	Me410
75mm	US	M2 Howitzer	HE	156	LVT-4
75mm	US	M3 L/40	HE/AP	HE 178/ AP 78	M4A3
75mm	US	M1895A4	HE/AP	HE 178/ AP 78	M3 Halftrack
75mm	US	T13E1	HE	156	B25H
75mm	GER	KwK 37 L/24	HE/AP	HE 156/ AP 78	Pzr IV F1
75mm	GER	KwK 40 L/43	HE/AP	HE 156/ AP 78	Pzr IV F2
75mm	GER	KwK 40 L/48	HE/AP	HE 156/ AP 78	Pzr IV H
75mm	GER	KwK 42 L/70	HE/AP	HE 156/ AP 78	Panther G
76mm	USSR	F-34 L/42	HE/AP/HVAP	HE 156/ AP 78/54	T34/76
76mm	US	M1A1 L/53	HE/AP	HE 103/ AP 78	M4A3 (W), M18
76mm/17pdr	UK	17lb QF Mk IV L/55	HE/AP	HE 140/ AP 78	"FireFly", AT gun
85mm	USSR	ZiS-S-53 L/52	HE/AP/HVAP	HE 234/ AP 117/90	T34/85
88mm	GER	KwK 36 L/56	HE/AP	HE 234/ AP 117	Tiger I
88mm	GER	KwK 43 L/71	HE/AP	HE 234/ AP 117	King Tiger
3in/60lb Rkt	UK	RP-3	SAP	HE 187	Mossi, Typhoon
4.5in Rkt	US	M8/Calliope	GP	HE 125	Ftrs and M4 tank
5in Rkt	US	5in FFAR	GP	HE 156	LW US fighters
3.2in Rkt	USSR	RS-82	HE	HE 93	IL-2, I-16
3.2in Rkt	USSR	RS-132	HE	HE 120	Il-2
88mm Rkt	GER	Pb1	AP/HEAT	HE 93	Fw190F-8
210mm Rkt	GER	WGr21 (air to air)	HE	HE 200	Bf110, Fw190
28cm Rkt	GER	Wurfkörper	HE	HE 285	SdKfz 251