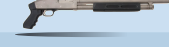


BULLETPROOF STANDARDS

WEAPONS	TYPES			STANDARDS				TEST CONDITIONS			CARTRIDGE
	WEAPON	CALIBRE	TYPE AMMUNITION	EN 1063	EN 1522	VPAM	STANAG	MASS(g)	VELOCITY (m/s)	ENERGY (joule)	
	.22 Long Rifle	.22 LR	L/RN	BR 1	FB 1	PM 1	-	2,6g	360 ± 10	168	
	Handgun 9mm	9mm Luger	FMJ/RN/SC	-	-	PM 2	-	8g	415 ± 10	518	
	Handgun 9mm	9mm Luger	FMJ/RN/SC	BR 2	FB 2	PM 3	-	8g	415 ± 10	689	
	Handgun .357	.357 Magnum	FMJ/CB/SC	BR 3	FB 3	PM 4	-	10g	430 ± 10	943	
	Handgun .357	.357 Magnum	FMJ/CB/SC	BR 4	FB 4	-	-	10g 15g	430 ± 10 440 ± 10	943 1510	
	Handgun .44	.44 Rem. Magnum	FMJ/FN/SC	-	-	PM 5	-	7g	560 ± 10	1194	
	Handgun .357	.357 Magnum	FMs/CB	-	-	PM 5	-	7g	560 ± 10	1194	
	Shotgun (1 shot)	12/70 Brenneke	Loden kogel 31g	SG 1	-	-	-	31g	420 ± 10	2734	
	Shotgun (3 schoten)	12/70 Brenneke	Loden kogel 31g	SG2	FSG2	-	-	31g	420 ± 10	2734	
	AK47 Kalashnikov Soft Core	7.62 x 39	FMJ/PB/FeC	-	-	PM 6	-	8g	720 ± 10	2074	
	Rifle 5.56x45 NATO	5.56 x 45	FMJ/PB/SCP1	BR 5	FB5	PM 7	1	4g	950 ± 10	1805	
	Rifle 7.62x51 soft core	5.56 x 45 7.62 x 51	FMJ/PB/SCP1 FMJ/PB/SC	BR 6	FB6	PM 7	1	4g 9,5g	950 ± 10 830 ± 10	1805 3289	
	AK47 Kalashnikov armor piercing	7.62 X 39	FMJ/PB/HCI	-	-	PM 8	2	7,7g	740 ± 10	2108	
	Rifle 7.62x51 armor piercing	7.62 x 51	FMJ/PB/HC	BR 7	FB 7	PM 9	-	9,7g	820 ± 10	3261	
	Rifle 7.62x54 armor piercing	7.62 x 54 R	FMJ/PB/HCI	-	-	PM 10	3	12,7g	810 ± 10	4166	
	Rifle 7.62x51 armor piercing	7.62 x 51	FMJ/PB/WC	-	-	PM 11	-	8,4g	930 ± 10	3633	
	Rifle 7.62x51 armor piercing	7.62 x 51	FMJ/PB/WC	-	-	PM 12	-	12,7g	810 ± 10	4166	
	Rifle 50 Browning armor piercing	12,7 x 99	FMJ/PB/HC	-	-	PM 13	-	43g	930 ± 10	18595	
	Heavy Machine Gun anti-tank armor piercing	14,5 x 114	FMJ/PB/HCI	-	-	PM 14	4	63,4g	911 ± 10	26308	

EN 1063

EU standards for transparant materials

EN 1522-23

EU standards non-transparant materials

VPAM APR 2006

Vereinigung der Prufstellen fur Angriffshernmede Materialien

STANAG 4569

Nato Standardization for protection levels

LEGEND

L/RN	Lead/Round, nose	FeC	Fe Core
FJ	Full metal Jacket	PB	Pointed Bullet
FMs	Full Messing	HCI	Steel Hard Core Incendiary
RN	Round, nose	HC	Steel Hard Core
CB	Coned Bullet	WC	Wolfram Carbide
FN	Flat Nose		
PB	Pointed Bullet		
SC	Soft Core (lead)		
SCP1	Soft Core (lead & steel penetrator)		