

# Bullet resistant glazing performance details

This summary chart is given as a basic guide and reference. GKN Aerospace Transparency Systems (GKN ATS) actively pursues a program of continuous product improvement. For threat levels or test data not listed, please contact a GKN representative. We have technical resources available to develop new products that meet your requirements.

## Abbreviations

AP	Armor piercing	RN	Round Nose
FMJ	Full metal jacket	CN	Coned Nose
FN	Flat nose	PN	Pointed Nose
HC	Hard steel core	FSJ	Full Steel Jacket
SC	Soft core	FSP	Fragment Simulating Projectile
SMJ	Semi metal jacket		

## Standards

Underwriters Laboratories Inc. UL 752  
 British Standard BS5051  
 Deutsche Norm DIN52290  
 European Standard CEN 1063  
 Spanish Standard UNE 108-131-86  
 NATO STANAG 4569

## Warranty

GKN Aerospace Transparency Systems warrants these products against faults in design, material and workmanship for a period of 24 months from delivery. The performance levels indicated herein are based on experience and / or actual

testing and are given in good faith and are such as could expect to be obtained under similar test conditions. Use of these products in other conditions beyond the control of GKN ATS would be the responsibility of the user who,

it is recommended, should perform his own evaluation in such circumstances. GKN ATS reserves the right to vary the construction of a product to meet operational needs and raw material availability.



GKN ATS Product Part No.'s	Thickness (mm)	Comparable National Standards					Weapon Type	Ammunition			Test parameters				
		USA	UK	Germany	Europe	Spain		Calibre	Type	Weight (g)	Velocity (m/s)	Number of shots	Range (m)	Shot Pattern	Nominal Areal Density (kg/m <sup>2</sup> )
GKN 160	16						Hand gun	9mm	FMJ/RN/SC	8	410	3	5	120mm triangle	33
GKN 180	18	UL1	G0	C1-SF	B2	A00	Hand gun	9mm	FMJ/RN/SC	7.5	392-405	12	5	4x100mm triangle	37
	18						Magnum revolver	0.44"	SMJ/RN/SC	15.6	415	1	5	Centre	37
GKN 195	19.5	UL2	G1	C2-SF	B3	A10	Magnum revolver	0.357"	CN/SC	10.2	430	3	5	120mm triangle	38
GKN 220	22	NIJ-III A			B4	A20	Magnum revolver	0.44"	FMJ/FN/SC	15.6	440	3	5	120mm triangle	43
GKN 240	24	UL3	G2	C3-SF			Magnum revolver	0.357"	Soft Point/FN/SC	10.2	448-463	3	3	110mm triangle	50
GKN 275	27.5						AK-47	7.62mm	7.62x39/SC (Steel)	7.77	699-704	3	10	170mm triangle	57.1
GKN 335	33.5						AK-47 rifle	7.62mm	7.62x39/SC (Steel)	7.77	710-715	3	7	125mm triangle	72.5
GKN 350	35				B5		Automatic rifle	5.56mm	5.56x45 FMJ/PN/SC Ss109	4	950	3	10	120mm triangle	75
GKN 360	36				B6		Automatic rifle	7.62mm	7.62x52 DM41(FSJ/PN/SC)	9.5	830-840	3	10	120mm triangle	78
GKN 390	39	NIJ-III	R2	C4-SF	B6	A40	High velocity rifle	7.62mm	7.62X51 FMJ/PN/SC (Steel)	9.45	820-842	3	10	120mm triangle	82
GKN 490	49				B7		High velocity rifle	7.62mm	7.62x51 Nato/AP (90° incidence)	9.75	820	1	10	Centre	113
GKN 550	55	NIJ-IV					High velocity rifle	0.300"	30-06 AP	10.8	853-883	1	15	Centre	127
GKN 580	58				B7		High velocity rifle	7.62mm	7.62x51 Nato/AP (30° incidence)	9.75	820	3	10	120mm triangle	137
GKN 725	72.5				B7		High velocity rifle	7.62mm	7.62x51 Nato/AP (90° incidence)	9.75	820	3	10	120mm triangle	172.8



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