

ARMORING CLASSIFICATIONS FOR BULLET RESISTANT GLASS ACC. TO EN 1063

Resistance class	Type	Calibre	Bullet type	Mass (g) +/-1	Energy (Joule)	Shot distance (m) +/-0.5	Impact speed (m/s) +/-10
BR1	Gun	.22 LR	L/RN	2.6	168	10	360
BR2	Handgun	9 mm Luger	FJ ¹ /RN/SC	8.0	640	5	400
BR3	Handgun	.357 Magnum	FJ ¹ /CB/SC	10.2	943	5	430
BR4	Handgun	.44 Rem. Magnum	FJ ² /FN/SC	15.6	1,510	5	440
BR5	Gun	5.56 x 45 ³	FJ ² /PB/SCP1	4.0	1,805	10	950
BR6	Gun	7.62 x 51	FJ ¹ /PB/SC	9.5	3,272	10	830
BR7	Gun	7.62 x 51 ⁴	FJ ² /PB/HC1	9.8	3,295	10	820
SG1*	Shotgun	Shotgun12/70	Lead shotgun shot ⁵	31	2,734	10	420
SG2**	Shotgun	Shotgun12/70	Lead shotgun shot ⁵	31	2,734	10	420

* one shot, +/- 0.5 g, +/- 20 m/s

** three shots, +/- 0.5 g, +/- 20 m/s

¹) Steel full metal jacket shot, plated

²) Tombac full metal jacket shot

³) Spin length 178 mm +/- 10 mm

⁴) Spin length 254 mm +/- 10 mm

⁵) Brenneke

CB Conical bullet shot

FJ Full metal jacket shot

FN Flat-nosed bullet

HC1 Steel hard core, mass 3.7 g +/- 0.1 g, Hardness larger than 63 HCR

L Lead

PB Pointed bullet

RN Round-nose bullet

SC Soft-centre (lead)

SCP1 Soft-centre (lead) with steel penetrator (type SS109)