



Ballistic Body Armour Standard

The levels of protection cover the following threat groupings:

HG1A – Low Handgun

Protection against standard ammunition fired from short-barrelled handguns.

HG2 - High Handgun/ Carbine

Protection against standard ammunition fired from long barrelled handguns, 9mm carbines and sub machine guns.

RF1 – Rifle

Protection against soft-core ammunition fired from rifles.

SG1 – Shotgun

Protection against BB and No.6 shot fired from full-length shotguns at close range.

Threat Class	Calibre	Ammunition	Bullet Wt	Min. Range (m)	Velocity (M/s)
HG1A, Low Handgun	9mm cal	9mm FMJ Dynamit Nobel DM11A1A1B2	8.0gm 124 grain	5	360+/-10
	.357 Magnum	Norma Soft point flat nose 19107	10.2g 158 grain	5	385+/-10

The Fortis Body Armour – Standard Protection – is certified to this level.

HG2, High Handgun, Carbine	9mm cal	9mm FMJ Dynamit Nobel DM11A1A1B2	8.0gm 124 grain	5	425+/-10
	.357 Magnum	Norma Soft point flat nose 19107	10.2g 158 grain	5	450+/-10

The Fortis Body Armour – Higher Protection – is certified to this level.

SG1 Shotgun	12 gauge	Winchester 1oz rifle lead slug 12RS15/12RSE	28.4gm 437 grain	10	435+/-10
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The Fortis Body Armour – Higher Protection – when used in conjunction with the Fortis SGP/1 plate, meets this standard.

RF1 Rifle	7.62 cal	Nato ball L2A2	9.3gm 144 grain	10	830+/-10
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The Fortis Body Armour – Higher Protection – when used in conjunction with the applicable plate, meets this standard.

Trauma Measurement

Blunt trauma can cause severe injury. Armour which minimises blunt trauma is highly desirable.

The standards 'HG1-HG2-RF1-SG1' have a requirement of a maximum indentation depth of 25mm in the UK and 44mm in the USA.