

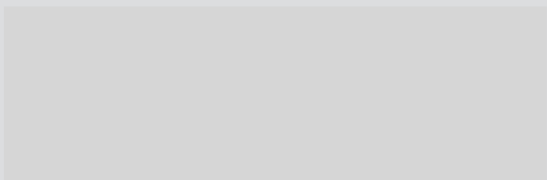


**NEW!**  
The NovoPorta Premio -  
ballistic protected



## Security in dangerous situations

The bullet and burglar-proof NovoPorta Premio S-D-1



## The increasing risk of attack involving deadly violence.

There are many sectors in which providing protection against attacks of all kinds is a necessity. It is not only in military, but also in many public and civilian sectors where the danger posed by the use of handguns is increasingly becoming a reality.

Among the affected areas are security zones in airports, central rail stations and venues for large-scale events, but they also include special areas in police and judicial buildings.

Another easily overlooked area, but one that nevertheless needs protection in the digital age is the IT server room. Such rooms are not just the central control centre for businesses, but often also represent the main hub of a company's international business relationships. Any shutdown would generate to huge losses. The same applies to banks and R & D facilities, where extremely valuable assets equally need to be protected.



Even in private residences the demand for more personal security is growing sharply.

Due to the use of large calibre handguns in these scenarios ballistic protection according to the European standard DIN EN 1522 **class FB4** or to the US Standard UL 752, Level 3 is recommended.

The NovoPorta Premio fulfils the requirement of these standards and has passed the ballistic tests with the most powerful calibres .44 Rem. Magnum and .357 Magnum – the heaviest “large calibre” handguns. It successfully resisted all impacts.

# Providing steadfast protection and always looking good: The new NovoPorta Premio.

The NovoPorta Premio is our new generation of steel hinged doors for Europe. It now fulfils not just the strict German regulations for fire protection and security, but also the soon to be introduced EN 16034 European standard.

Its wide range of aesthetic, structural and installation-related benefits makes the NovoPorta Premio exactly the right door for you.

The special S-D-1 **FB4** bullet-proof version of the NovoPorta Premio has been tested successfully for conformity with DIN EN 1522. During testing all suspected weak points were tested. As no splinters chipped off into the interior room, the Premio was awarded the suffix "NS" (meaning "no splinters"), indicating the highest level of safety.

With the special lock – fitted as standard – and the ES 2-safety door handle, the NovoPorta Premio S-D-1 **FB4** is also classified as **RC3** burglar proof in accordance to DIN EN 1627. It is available as a single-leaf door up to a size of 1,375 x 2,500 mm, fitted with bullet-proof glass conforming to DIN EN 1063, class BR4, if requested.



The uniform appearance of NovoPorta Premio doors is another attractive feature. It is not immediately visible whether the door is bullet-proof, fire-resistant or burglar-proof – a quality that represents a clear advantage in building construction.



## Calibre .44 Rem. Magnum

Bullet weight 15.6 g  
Impact at 440 m/s  
Impact force of flat nose bullet 1510 J

## Calibre .357 Magnum

Bullet weight 10.2 g  
Impact at 430 m/s  
Impact force of coned bullet 943 J



Impact marks of several .44 Rem. Magnum projectiles on the door leaf of a NovoPorta Premio.

The associated deformation of steel armour. The projectiles were stopped effectively.

## Ballistics classes according to DIN EN 1522 (status as of February 1999)

Class	Weapon type	Calibre	Bullett				
			Type	Mass in g	Manufacturer / Type	Velocity in m/s *	Energy in J *
FB1	Rifle	.22 lr	L/RN	2,60 ± 0.1	Winchester	360 ± 10	168
FB2	Handgun	9 mm Luger (9 mm Para)	FJ(1)/RN/SC	8,00 ± 0.1	DAG DM 41	400 ± 10	518
FB3	Handgun	.357 Mag.	FJ(1)/CB/SC	10,20 ± 0.1	Geco	430 ± 10	943
<b>FB4</b>	Handgun	.357 Mag.	FJ(1)/CB/SC	10,20 ± 0.1	Geco	430 ± 10	943
		.44 Rem. Mag.	FJ(2)/FN/SC	15,60 ± 0.1	Speer	440 ± 10	1510
FB5	Rifle	.223 (5.56 x 45)	FJ(2)/PB/SCP1	4,0 ± 0.1	MEN SS109	950 ± 10	3289
FB6	Rifle	.223 (5.56 x 45)	FJ(2)/PB/SCP1	4,0 ± 0.1	MEN SS109	950 ± 10	1805
		.308 (7.62 x 51)	FJ(1)/PB/SC	9,55 ± 0.1	MEN DM 111	830 ± 10	3289
FB7	Rifle	.308 (7.62 x 51)	FJ(2)/PB/HC1	9,8 ± 0.1	MEN/CBC FNB, P 80	820 ± 10	3261

L Lead  
CB Coned bullet  
FJ(1) Full metal jacket, steel  
FJ(2) Full metal jacket, copper  
FN Flat nose bullet

HC1 Steel hard core, mass (3.7 ± 0.1) g, Hardness over 63 HRC  
PB Pointed bullet  
RN Round nose bullet  
SC Soft core (lead)  
SCP1 Soft core (lead) with steel penetrator (Type SS 109)

\* on impact