

BULLET AND BURGLAR RESISTANT SYSTEM MONADOR SL-GUARD FB4 / RC3



This certified MONADOR sliding door drive unit, complete with bullet and burglar resistant door leaf construction, including an RC3 locking system, is unique to the market.

- Configured as a single-leaf sliding door
- High-performance drive mechanism for heavy door leaves
- FLUVERI multi-point locking mechanism
(concealed by integration into door leaf)
- No bottom guide rail required
- Suitable for integration into a building management system (TUWE VdS)
- Emergency release handle on the inside
- Conforms to European EN 1627 burglar-resistance standards
- Overall system certified as bullet-resistant according to EN 1522 standards
- Door conforms to all applicable requirements and standards (EN 16005, DIN 18650)



**Burglar
resistant**



**Bullet
resistant**

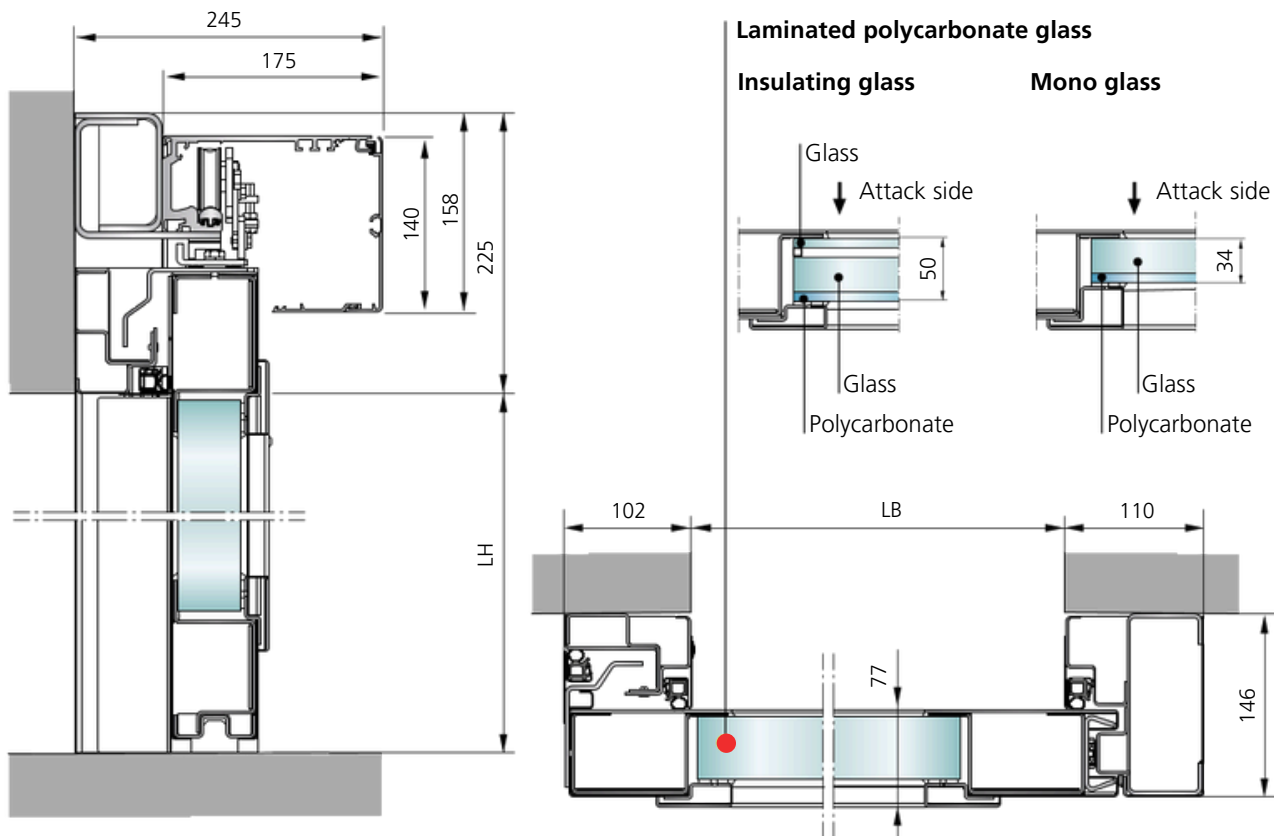


**Energy-
efficient**



**Sound
absorbing**

Possible applications



Available door leaf dimensions

Clear width (LB) in mm	Clear height (LH) in mm						
	1800 to 2400	2500	2600	2700	2800	2900	3000
600	●	●	●	●	●	●	●
700	●	●	●	●	●	●	●
800	●	●	●	●	●	●	●
900	●	●	●	●	●	●	●
1000	●	●	●	●	●	●	●
1100	●	●	●	●	●	●	●
1200	●	●	●	●	●	●	●
1300	●	●	●	●	●		
1400	●	●	●				
1500	●	●					

● Insulating glass (Ug 1.0 W/(m²K)) ● Mono glass (Ug 4.2 W/(m²K))
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RC3 certified

For systems with a clear height LH of 2753 mm or more and a clear width LB of at least 1282 mm, the performance characteristics for burglar resistance can be confirmed by means of a manufacturer's declaration of conformity.

Certified overall system

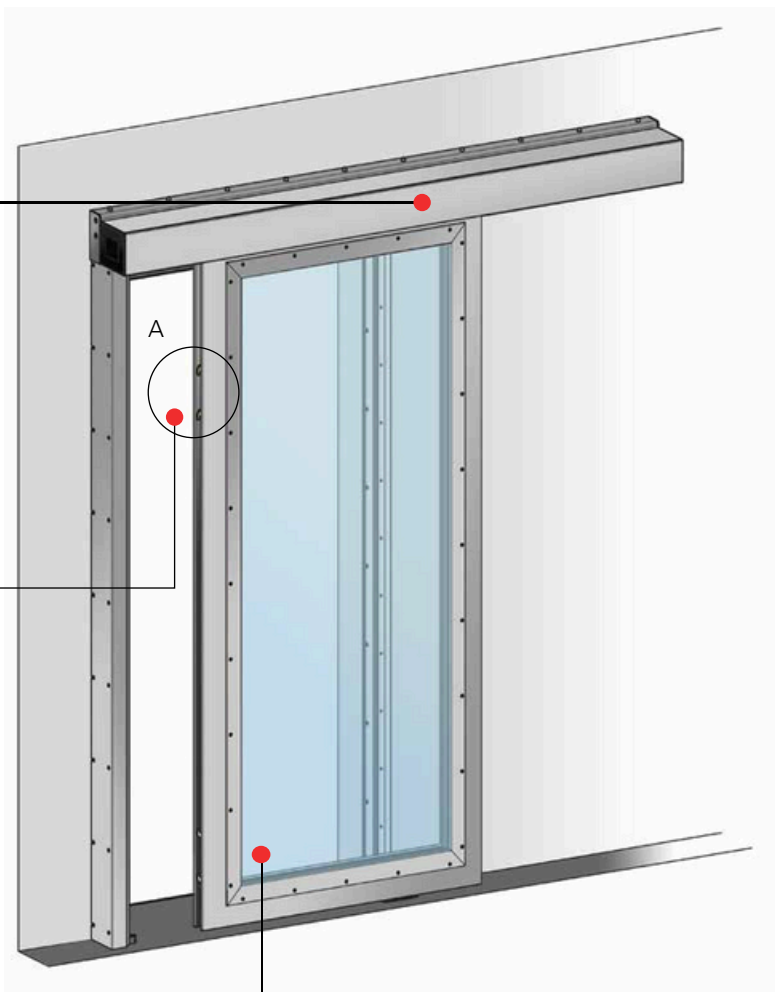
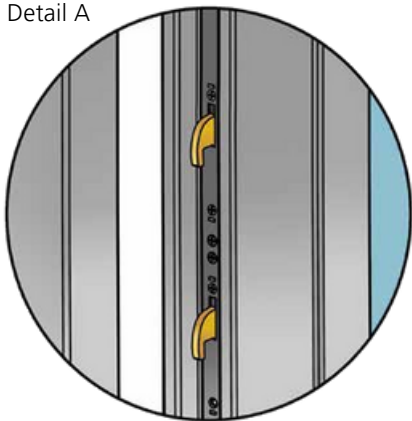
SL-45 (SL-GUARD drive version)

- Automatic sliding door drive unit
- Up to 350 kg as standard door leaf weight
- Redundant configuration available for leaf weight of up to 240 kg
- Available with optional running carriage locking (CARLOCK)

Integrated multi-point locking FLUVERI-A-RC

- Automatic interlocking of door leaf
- RC3 tested
- Conforms to EN 1627

Detail A



Multi-functional sliding door

- Laminated polycarbonate glass
- Burglar-resistant RC3 (EN 1627)
- Bullet-resistant FB4 NS (EN 1522)
- Heat-transfer coefficient
 - Insulating glass: Ug-value 1.0 W/(m²K)
 - Mono glass: Ug-value 4.2 W/(m²K)
- Sound insulation value
 - Insulating glass: Rw 43 dB
 - Mono glass: Rw 42 dB
- Coated steel frame
- No embedded bottom guide rail necessary

Certification

The SL-GUARD has been successfully tested as a complete package with regard to its burglar and bullet resistant capabilities against firearm attacks, with the general focus not being on the resistance offered by the individual door components, such as the glass

panel or the locking mechanism, but on the system as a whole.

Protection and assurance

The new automatic door system, SL-GUARD from Monador, is the first door package to offer certified protection for persons, authorities, buildings

and material assets against threats such as firearm attacks and forcible entry.

Enjoy the certainty of having opted for the optimal protection in your particular case!

Resistance classes

Bullet-resistance

Resistance class according to EN 1522	Glass according to EN 1063	Type of weapon	Calibre	Test distance
FB1	BR1	Rifle	22LR	10 m
FB2	BR2	Handgun	9 mm	5 m
FB3	BR3	Handgun	357 Magnum	5 m
FB4	BR4	Handgun	357 Magnum	5 m
FB4	BR4	Handgun	44 Rem. Magnum	5 m
FB5	BR5	Rifle	5.56 x 45	10 m
FB6	BR6	Rifle	5.56 x 45	10 m
FB6	BR6	Rifle	7.62 x 51	10 m
FB7	BR7	Rifle	7.62 x 51	10 m

Burglar-resistance

Resistance class EN 1627	Protection	Burglar tools according to standard	Duration of burglary attempt
RC1	Basic security	Physical violence	no manual testing
RC2	Standard security	Simple tools such as screwdriver, pliers and wedges	3 minutes
RC3	Increased security	In addition: 2nd screwdriver, pliers, wedges, crowbar, hand drill, locksmith's hammer and pin punch	5 minutes
RC4	High security	In addition: sawing and striking tool, crowbar, hammer and chisel as well as cordless power drill	10 minutes
RC5	Highest security	In addition: electric tool such as drilling machine, jigsaw or angle grinder with a max. diameter of 125 mm	15 minutes
RC6	Highest security	In addition: angle grinder with a max. diameter of 230 mm	20 minutes

Monador SL-GUARD with certified bullet-resistance FB4 NS2 / burglar-resistance RC3

- ¹ State ballistic proof house Ulm Germany (bullet-resistance) and gbd Lab GmbH Dornbirn, Austria (burglar-resistance)
- ² An aluminum foil is attached on the rear side of the test specimen which serves as a splinter indicator. If while under fire this foil is pierced by a splinter, this is called splintering (S), if however it resists, we talk about non-splintering (NS).

CLIMATIZATION

The process of adjusting the temperature, humidity, cleanliness and air movement of a closed environment according to human health and comfort is called air conditioning. We know that our automatic door models, which combine advanced technology with research on human behavior and building environment, will contribute to sustainable and healthy buildings. With smart sensors, adaptive operating modes and connectivity, we can ensure that every building makes a difference and contributes to the future of green buildings.



EXPERIENCE AND KNOWLEDGE

Monador Automatic Door Systems Trade Inc. is the leading organisation that laid the foundations of the sector. With this understanding, we are proud to continue to provide the service of automatic sliding, magnetic sliding, revolving, security system doors, which we have been implementing in Turkey and the Middle East since 1988. As a result of the experience and knowledge we have gained, with our professional teams, we provide 24/7 service to our customers after sales or after assembly. Our products with superior technological equipment are provided to provide trouble-free service.

SERVICE & MAINTENANCE SUPPORT

Our periodic maintenance packages are **Platinum**, **Gold** and **Silver** presented in three categories.

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TS-EN-16005

