



Double-skinned
roller shutters

R60

ProPark[®] | ProTect | ProSpeed | ProShop



R60 ProTect with matching side door

Double-skinned roller shutters from steel - the R60 series

The R60 series combines robust Made in Germany quality with outstanding cost efficiency. Double-skinned steel profiles with insulating PU foam filling provide excellent rigidity while maintaining a compact coil diameter. A wide range of configuration options makes the R60 highly versatile and suitable for applications across numerous industries.

Our innovative door systems are built on nearly 50 years of experience. We focus on premium materials and perfectly matched components to ensure reliable,

low-maintenance operation, even under heavy use over many years. When it comes to safety, we never compromise: Our roller shutters are manufactured to meet stringent EU standards and come with standard certification in accordance with DIN EN 13241-1.



FEATURES

- › Timeless design with durable surface
- › High strength
- › Minimal headroom required
- › Door mechanism tested for 500,000 cycles

APPLICATIONS

- › Commercial buildings
- › Loading bays
- › Night-time closures
- › Underground car parks
- › Multi-storey car parks

Roller shutter R60

Robust, compact, smooth-running

The double-skinned, micro-profiled steel lamellas with insulating PU foam filling provide the R60 roller shutter with high rigidity and smooth operation. The standard finish is galvanized steel. The slightly curved profiles allow the shutter curtain to coil tightly, minimizing the required headroom – ideal where space is limited.



Versatile applications – maximum benefits

The various configurations and equipment options of the R60 series allow for tailor-made roller shutters across a wide range of applications. Whether in industrial, logistics, commercial, or parking facilities, R60 roller shutters are precisely adapted to specific requirements and can provide the right solution for every application.

R60 ProPark®

- › Closed roller shutter for underground / multi-storey car parks
- › Designed for public use in automatic operation
- › Self-supporting side guides provide robust collision protection while maintaining functionality even after minor impacts
- › Integrated guide rails and photoelectric sensors with concealed wiring for enhanced vandalism and dirt protection
- › Integrated safety features, including pedestrian and draw-in protection, safety edge monitoring, automatic closing, and traffic light control.
- › Option sound decoupling ProSilence® to reduce structure-borne sound transmission
- › Door mechanism tested for up to 500,000 operating cycles

R60 ProTect

- › Closed roller shutter providing secure closure for commercial buildings, loading bays, warehouses, industrial facilities, and retail stores
- › Also suitable for large-scale openings, providing a wind-resistant and sturdy closure
- › Supplied as standard with flexible roll-up system for gentle and precise curtain winding
- › Available up to wind load class 4 for widths up to 12 m
- › Door mechanism tested for up to 500,000 operating cycles



R60 ProSpeed

- › R60 roller shutters are also available as a Speed version for faster opening speeds of approx. 0.5 m/s.
- › Direct drive operator with frequency converter
- › Soft-Start / Soft-Stop function for smooth running even at higher speed
- › Indoor installation only; outdoor installation upon request.

R60 ProShop

- › Closed roller shutter providing secure closure for commercial and private buildings
- › 230V tubular motor
- › No three-phase power supply required
- › Alternative solution for small, low-traffic roller shutters with low cycle frequency

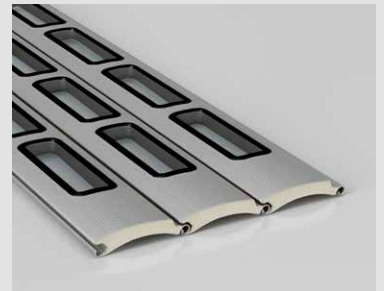
Additional equipment

Individual configuration

- › Window and ventilation lamellas, up to 5 pieces per meter
- › Visually identical side door with various additional fittings, e.g. various DIN-compliant panic fittings, overhead door closer, electric strike
- › Fixed parts in the identical look, e.g. transom panels above side doors
- › Coil coating of the lamellas on both sides in different RAL colours; bottom rail always in mill-finish aluminium
- › Inclined, stepped and lockable bottom profile (also electromagnetic)
- › Various facings and covers:
 - operator / lateral cover
 - lintel cover
 - barrel protection
 - elegantly designed barrel cover for outside installation
- › Individually configurable control devices, e.g. push buttons, key switches, radio remote controls, and others
- › Control systems with extended functionality available on request
- › Battery backup for one-time emergency opening in case of power failure or fire alarm



R60 standard lamellas



R60 lamellas with windows

High-quality color coating (option)

The galvanized steel profiles can be supplied in coil-coated version. The coating provides long-lasting protection of the surface against weathering and environmental influences. Two colour groups are available for selection *):

Color group 1:

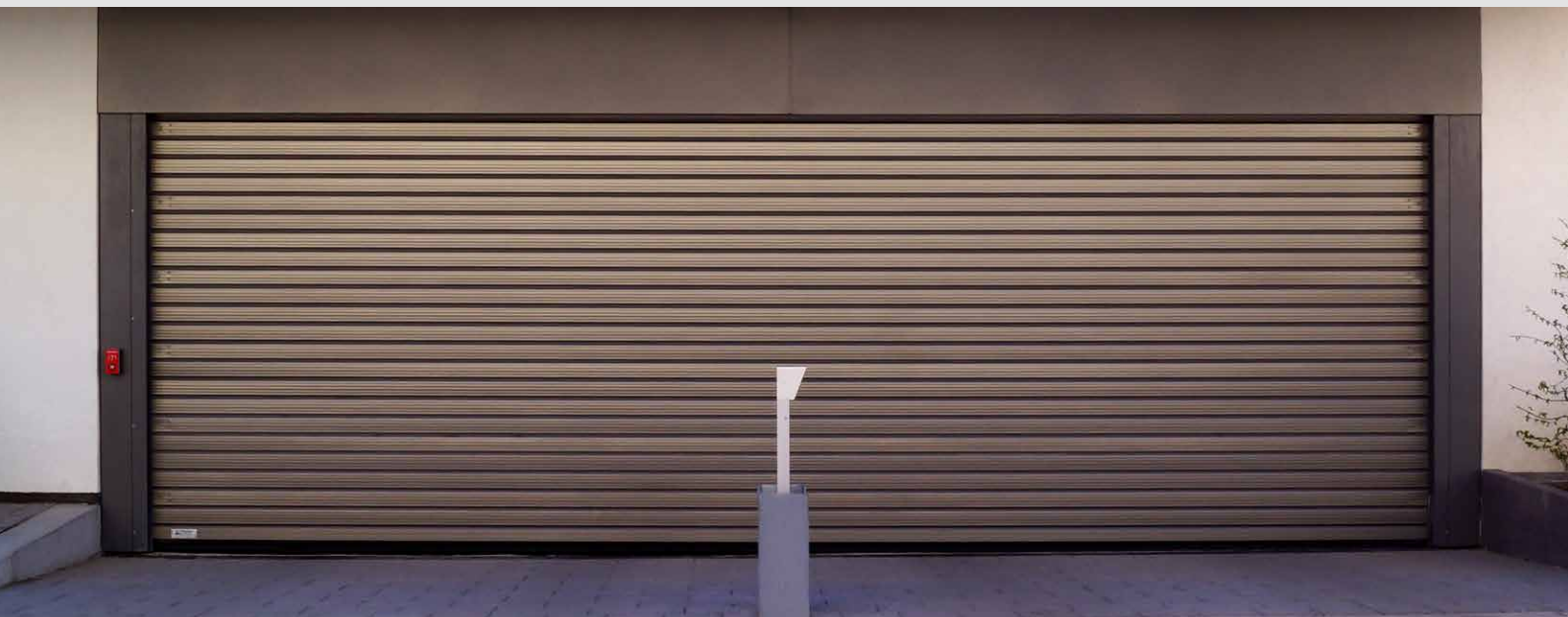
	RAL 7016 Anthracite grey		RAL 9002 Grey white
	RAL 9006 White aluminium		RAL 9016 Traffic white

Color group 2:

	RAL 3000 Fire red		RAL 5010 Gentican blue		RAL 6005 Moss green
	RAL 8028 Terra brown		RAL 9007 Grey aluminium	*) individual RAL colors available at an extra charge	



Roll-up system - standard for ProTect roller shutters





Installation variants



Installation variant behind the reveal



Installation variant with an intel cover



Installation variant between the reveal



Installation variant exterior mounting



Installation variant with a side door



Roller shutter R60 ProTect - inside view

Technical data

	R60 ProPark®	R60 ProTect	R60 ProShop
Shutter curtain material	Stahlprofile doppelwandig mit PU-Ausschäumung		
Surface	double-skinned galvanized steel (option coil coating)		
Material thickness	0,4 mm		
Weight of shutter curtain	10,3 kg/m ²		
Profile height (visible)	109 mm (95 mm)		
Profile depth	25 mm		
Thermal insulation (lamella)	U _{st} = 3,9 W/(m ² *K)		
Speed Ø	0,15 m/sec., Speed version 0,5 m/sec.		0,15 m/sec.
Control unit (standard)	GfA TS 981	GfA TS 971	Hauss V2NTX
Maximum shutter width ²	8000 mm	12000 mm	6000 mm
Maximum shutter height ²	3000 mm ¹	9000 mm	5000 mm
Dimensions of side guides	up to clear width = 5250 mm: 70 x 60 mm from clear width > 5250 mm: 80 x 85 mm		
Dimensions of collision protection	up to CW = 6000 mm: 72x190 mm from CW > 6000 mm: 82x215 mm	---	---
Bottom profile height (incl. bottom rubber)	105 mm (135 mm)		

¹ For clear height > 3000 mm → ProTect version on request

² Other roller shutter sizes on request.



Promotec Mischler Torsysteme GmbH
Phone +49 7852 9113-0
Email info@promotec-mischler.com

Am Reitplatz 1
77731 Willstätt-Legelshurst
Germany