

TECHNICAL DATA SHEET

Roller shutter R90 ProPark®

DESCRIPTION

Door curtain:

- Double-skinned hollow chamber profiles made of bright aluminum, slightly curved with thick walls and high intrinsic stability; without filling
- Profiles connected by integrated hinges
- Lateral locking with end pieces made of rigid PVC
- Doors with LH > 3000 mm equipped as standard with roll-up system for a free and gentle movement of the door curtain in the side guides

Barrel:

- Barrel made from steel, zinc phosphate base coat, RAL 9006 (optional galvanized steel)

ProPark® crash protection:

- Self-supporting side support system from galvanized steel profiles, to cover the guide rails and safety components
- Integrated side guides from aluminium blank, with hard PVC inlay for reduced wear and smoother operation
- Light barriers integrated and protected within the side supports
- Concealed, fully pre-wired light barriers to protect against vandalism, damage and soiling

Operator:

- GfA direct drive operator, IP 54, 400V/50Hz/3ph, with thermal protection and safety catch device

- Certified design, maintenance-free with lifetime lubrication
- Emergency operation via hand crank with joint (note: cannot be operated from floor level - see option for extended hand crank)

Control unit GfA TS 981:

- Programmable microprocessor control with digital end position setting
- Electronic limit switch
- Control voltage 24V, IP54
- Self-testing of all safety devices
- Two-way traffic control by traffic light, with forewarning signal
- OPEN impulse control, CLOSE impulse control with automatic closing and pre-warning signal
- Diagnostic display and cycle counter for maintenance
- Emergency stop on control unit cover
- Connection to fire alarm system and smoke detector possible

Safety devices:

- Licht barriers (integrated in crash protection system)
Top: Draw-in protection for rolling grilles, type-tested, Cat. 2 (EN 12978) 2 transmitter - 2 receiver modules
Bottom: for people safety 1 transmitter - 1 receiver module at max. 300 mm above floor
- Opto-sensoric closing edge safety device, type-tested, highly sensible transmitter-receiver system, signal transfer by energy chain



FEATURES

- Extremely robust
- Also available in RC3 version
- Modern design
- Space-saving
- Weather-resistant

TECHNICAL DATA

R90 ProPark®	
Weight door curtain	10 kg/m ²
Material thickness	2 x 1,2 mm
Profile height	49 mm
Profile depth	14 mm
Max. door width others on demand	7250 mm
Max. door height	6000 mm
Dimensions guide rails depending on door size	70 x 35 mm 50 x 30 mm
Height bottom rail incl. bottom seal	on demand

CUSTOMIZED ADDITIONAL EQUIPMENT

- Sound decoupling system ProSilence® - patent pending
- Similar side door with reach-through protection; various DIN-compliant panic fittings, overhead door closer, electric strike
- Similar fixed matching panels
- Combination with SIRO® or RGA grille elements
- Sloped, remote and lockable bottom profile (also electromagnetic)
- Various panelling, barrel casing, attractive protective box for out-door installation
- Wind locks from stainless steel for additional safety
- Self-locking SH design (slat with intermediate profile) for resistance class RC3
- Various pulse encoders (buttons, radio control, radar sensors, induction loops, etc.)
- Safety light curtain with blanking
- Flashing light and barrier solutions
- Coating in RAL-/DB-colors, silver and bronze anodising
- Battery backup emergency release in case of power failure / fire alarm
- Extended emergency crank handle with hinge