



Double-skinned
roller shutter

R20 ProTect



Double-skinned roller shutter ProTect of the R20 series

R20 double-skinned aluminium roller shutters

A double-skinned, insulating roller shutter profile with a modern and timeless flat surface. Insulation is provided either with a 20 mm thick insert of polystyrene, highly compressed mineral fibre or PU foam. Practically unlimited equipping with windows and even ventilation lamella is possible. The R20 series was developed for tough everyday industrial use. Designed and produced with 40 years of specialist roller shutter experience, only high-quality materials and carefully matched components are used for roller shutters in this series. Many components have been specially developed for their use.

No compromises have been made with regard to safety: The roller shutters are manufactured in accordance with the high requirements of European standards. They are certified according to DIN EN 13241-1 as standard.



FEATURES

- › Timeless design
- › Good thermal insulation
- › Weatherproof
- › High stability
- › Extremely sturdy
- › External installation option available

APPLICATIONS

- › Industrial buildings
- › Loading zones
- › Retail
- › Night closure shutters
- › Shopping centres
- › Delivery zones

R20 ProTect



Classic - Stable - Durable

The timeless roller shutter profiles are made of cold-rolled aluminium. They are connected to each other by moulded hinges and locked laterally by hard PVC end pieces. The use of high-quality metals delivers robustness and defies all weathers. An effective storm anchor system ensures stability even in strong winds.

Design and versatility

Modern architecture demands a modern surface finish:

- › Standard version in natural aluminium
- › Coating in almost all RAL and DB colours
- › Anodised in silver (E6/C-0) and various shades of bronze (C31-35)

Variety of designs, which offers a solution for all requirements – dimensionally accurate

- › Window cut-outs and ventilation cut-outs are possible over almost the entire shutter surface and in any arrangement.
- › Side door in identical look, also as completely rotatable side part
- › Fixed parts in identical look
- › Inclined or lockable bottom profile (electromagnetic also available)
- › Facing and protective barrel casing made of high-quality aluminium or galvanized steel
- › Movable central support allowing a shutter opening clearance of up to 24 metres.

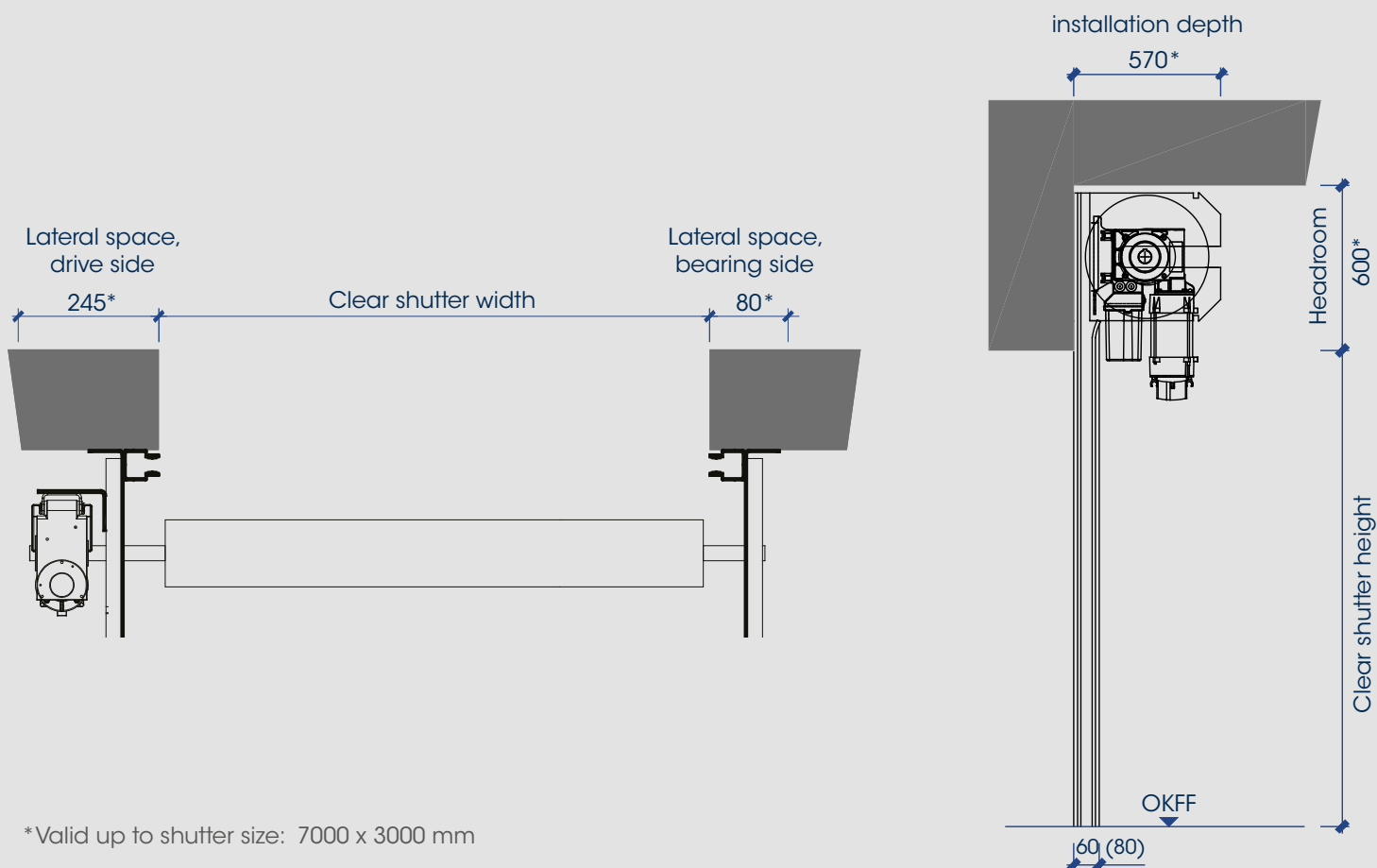


R20 lamella



R20 lamella with window

Installation sketch with a direct mount drive / behind the reveal



*Valid up to shutter size: 7000 x 3000 mm

Further technical details can be found in our *technical brochure for roller shutters*.

Technical specifications	R20 ProTect
Shutter curtain material	aluminium
Surface finish	natural
Material thickness	0,8 / 1,0 / 1,2 mm
Weight of shutter curtain	7,6 / 9,5 / 11,4 kg/m ²
Profile height (visible)	116 mm (100 mm)
Profile depth	23 mm
Thermal insulation (lamella)	Ust = 4,5 W/(m ² *K)
Speed (Ø)	0,2 m/s
Maximum shutter width ¹	12.000 mm
Maximum shutter height ¹	10.000 mm
Side guides dimensions ²	70 x 60 mm
Bottom profile height	105 mm

1 = other sizes on request

2 = depends on the size of the shutter

