



High-speed
roller shutters

R20 ISO ProSpeed



Double-skinned roller shutters ISO ProSpeed of the R20 series

R20 double-skinned roller shutters with special hard/soft PVC internal struts

A thermally separated roller shutter profile with PU-foam filling offering particularly good thermal insulation and very smooth running, even up to opening speeds of up to 1.5 m/sec!

Designed and manufactured with the greatest production expertise and many years of development experience. Only high-quality materials and carefully matched components are used for these high-tech roller shutters. The drive and control system in particular were designed for the enhanced performance and the special requirements of high-speed shutters.

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

- › High speed
- › Vmax up to 1.5 m/sec
- › Thermal separation
- › Good thermal insulation
- › Very quiet operation
- › Patented technology

APPLICATIONS

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

R20 ISO ProSpeed



Fast - Insulating - Quiet - Patented !

A slightly curved inner shell made from a special combination of hard/soft PVC gives this profile particularly good running properties and thermal insulation. The new soft PVC longitudinal struts on the inside provide thermal separation from the outside of the curtain. An additional soft PVC lip is provided in the hinge area to enhance smooth running and insulation.

Design and versatility

Modern architecture demands a modern surface:

- › Standard version in natural aluminium (or galvanized steel)
- › Coating in RAL/DB/anodised colours

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

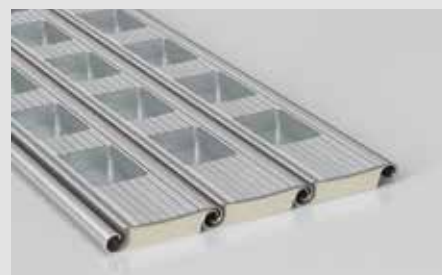
- › Window cut-outs possible for almost the entire shutter surface and in any arrangement
- › Side door in identical look, also as completely rotatable side part
- › Fixed parts in identical look
- › Facing made of lamella, aluminium or galvanized steel



R20 ISO ProSpeed lamella
exterior

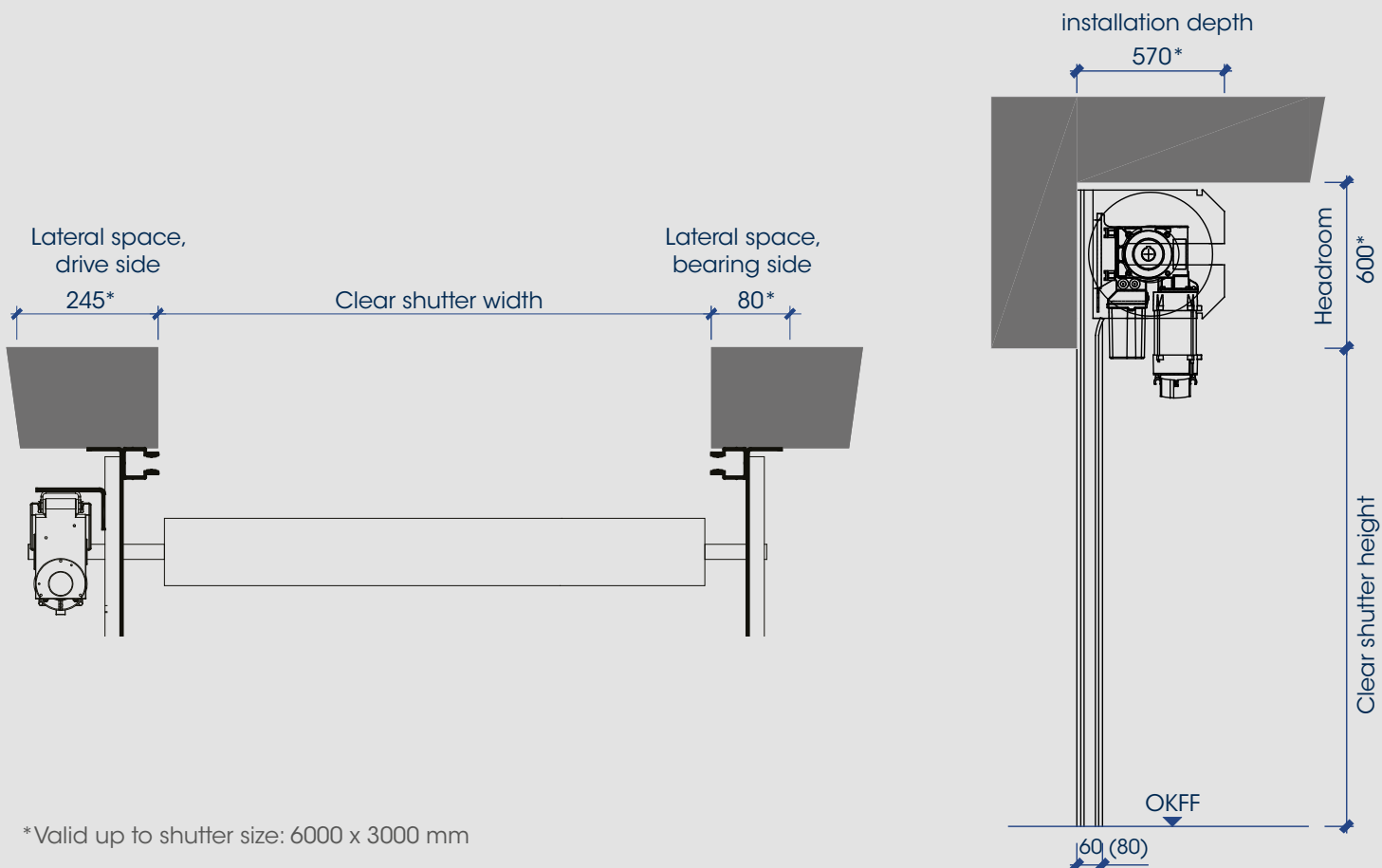


R20 ISO ProSpeed lamella
interior



R20 ISO ProSpeed lamella
with window / interior

Installation sketch with a direct mount drive / behind the reveal



*Valid up to shutter size: 6000 x 3000 mm

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

Technical specifications	R20 ISO ProSpeed
Shutter curtain material	aluminium
Surface finish	natural
Material thickness (outer shell)	1,0 / 1,25 mm
Weight of shutter curtain	9,9 / 11,1 kg/m ²
Profile height (visible)	116 mm (100 mm)
Profile depth	23 mm
Maximum shutter width	6.000 mm
Maximum shutter height	6.000 mm
Thermal insulation (lamella)	U _{st} = 2,5 W/(m ² *K)
Maximum opening speed	1,5 m/s
Average Speed (Ø)	0,7 m/s
Closing speed	>2,5 m (H) = 0,7 m/s
	2,5 bis =m (H) = 0,3 m/s
Guide rail dimensions	70 x 60 mm
Bottom profile height	105 mm

