

Noise protection hinged door

The frame made of powder-coated sheet steel or ground stainless steel can be produced individually adapted to the installation situation. The door leaf is available in laminate, powder-coated or ground stainless steel and optional in a pre-coated sheet steel version. The hinged door can be designed to open to the right or left and is therefore suitable for all room constellations. The airborne sound insulation has been

tested and corresponds to classes 2 and 3 according to DIN 4109, depending on the design. The soundproof revolving door reduces sound and air exchange and in this way additionally prevents the transmission of germs and pathogens. It is therefore perfectly suited for clean rooms, operating rooms and intensive care rooms / isolation rooms.

Dimensions

Clear frame width (=A)	670 - 1300 mm
Frame outer dimension	A + 100 mm (noise insulation class 2) A + 130 mm (noise insulation class 3)
Clear inner width	A - 25 mm (noise insulation class 2) A - 40 mm (noise insulation class 3)
Frame height (=C)	2100 mm optional up to room height
Wall thickness (=B)	100 - 200 mm optional up to 450 mm

Frame

Material	standard: ground stainless steel V2A (Mat.no. 1.4301) optional: sheet steel both also powder-coated according to RAL or NCS colour chart
Frame type	closed frame two-part frame for later installation

Door leaf

Surface	ground stainless steel V2A (Mat.no. 1.4301) powder-coated laminate pre-coated sheet steel according to RAL or NCS colour chart covered with coloured ESG 6 mm according to colour chart
Weight	max. 250 kg > 250 kg available as heavy duty version
Locking system	mortise lock
Door handles	automatic: bow handles on both sides manual: handle set
Door leaf core	sound insulation panel Sonitus

Drive

Drive type	automatic drive ED 100/250 (from 1070 mm clear frame width)	with / without overhead door closer
Operation	button in frame	manual
Design	standard rod assembly (pushing) sliding rail (pulling)	standard rod assembly (pushing) sliding rail (pulling)
Opening angle	max. 110°	max. 110° max. 175°

Special fittings

X-ray protection	Pb 0.5 - 3 mm
Laser protection	according to DIN EN 12254:2012-04 screens for laser working places
Inspection window	rectangular: 400 x 600 mm / 600 x 600 mm / 400 x 1500 mm round: Ø 400 mm (without blinds)
Venetian-/ roller blinds / LC glass	flush-mounted rotary switch button in frame optional: HT Control
Locking system	mortise lock locking system with sluice function possible
Operation	frame button set door push bar code device large-area button non-contact buttons HT Control
Safety	according to DIN EN 16005:2013-01 Power operated pedestrian doorsets infrared sensor bar flat scan

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Noise insulation value (ISO 10140-2)

Value	R _w : 38 dB (noise insulation class 2, metal, without glass) / R _w : 37 dB (noise insulation class 2, metal, without glass) / R _w : 37 dB (noise insulation class 2, laminate, without glass) / R _w : 37 dB (noise insulation class 2, laminate, without glass) / R _w : 45 dB (noise insulation class 3, metal, without glass) / R _w : 45 dB (noise insulation class 3, metal, without glass) / R _w : 45 dB (noise insulation class 3, laminate, without glass) / R _w : 42 dB (noise insulation class 3, laminate, without glass)
Testing acc. to DIN EN ISO 10140-2	M169881/01 (noise insulation class 2, metal, without glass) / M169881/02 (noise insulation class 2, metal, without glass) / M169881/03 (noise insulation class 2, laminate, without glass) / M169881/04 (noise insulation class 2, laminate, without glass) / B169881/05 (noise insulation class 3, metal, without glass) / B169881/06 (noise insulation class 3, metal, without glass) / B169881/07 (noise insulation class 3, laminate, without glass) / B169881/08 (noise insulation class 3, laminate, without glass)
Floor level	± 3 mm

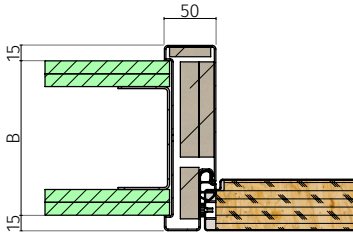


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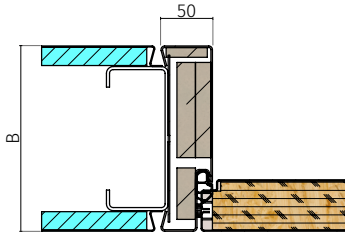
Noise insulation class 2

Wall connections

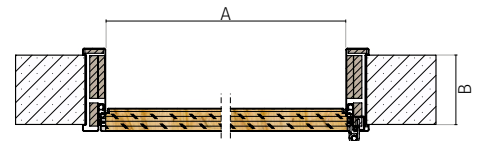
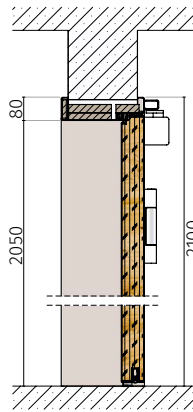
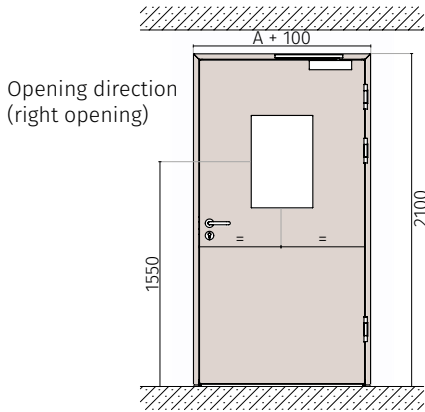
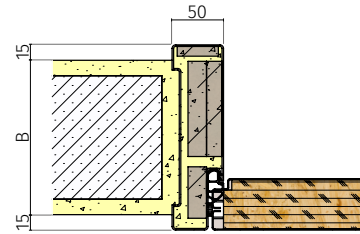
Plasterboard wall



Panel wall



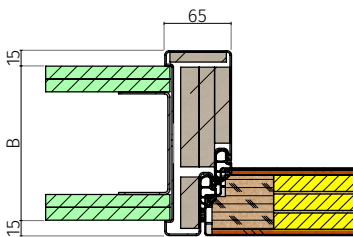
Masonry



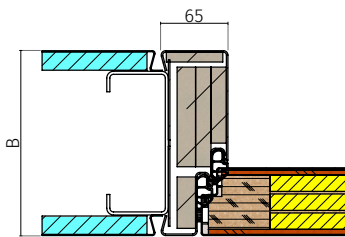
Noise insulation class 3

Wall connections

Plasterboard wall



Panel wall



Masonry

