ROLLING SHUTTER TD

The good-value starter solution

HÖRMANN

Curtain versions

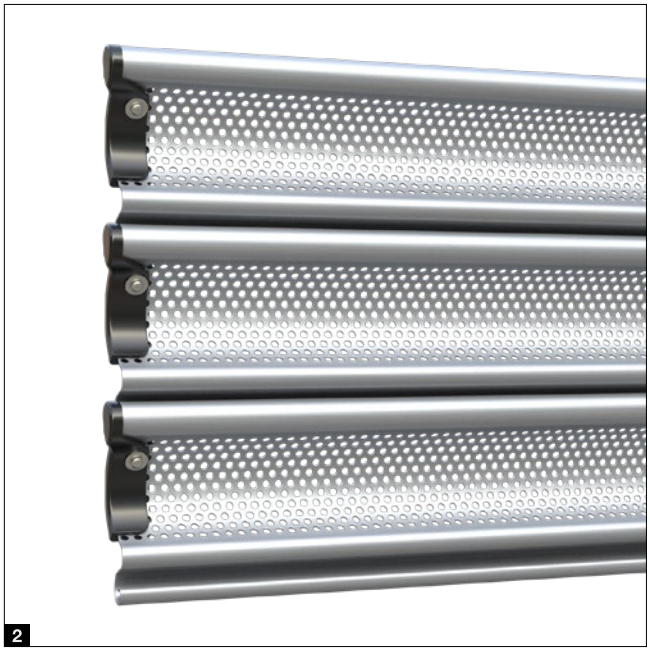
Compact and easy to fit
The good-value rolling shutter TD was developed for low requirement applications. It can be fitted in front of, behind or in the opening, depending on the space available and the building structure. The rolling shutter TD is available in two different curtain variants.

Profile HR70 S 1
as a closed profile, galvanized steel

Profile HR70 S aero 2
as a perforated profile, galvanized steel

Both curtains are equipped with pull-out protection as standard and conform to wind load class 3.


1


2

Curtain	HR70 S	HR70 S aero
Ventilation cross-section	-	Approx. 24%
Material thickness	0.4 mm	0.6 mm
Curtain weight	Approx. 6 kg/m²	Approx. 8 kg/m²
Wind load class	3	3

Tested and certified

The rolling shutter TD complies with EN 13241 in all security and performance characteristics.

Small installation space
The 60 mm wide steel booms are flush with the sides of the barrel support brackets. The tubular drive is integrated in the barrel for a space-saving design, so no additional installation space is required.

Flexible fitting
The booms and support brackets are welded to the building structure as standard. Optionally, the booms and support brackets can be mounted quickly and easily by screw fixing using the supplied fixing points and fixing material prepared at the factory. Both options are designed for fitting in front of, behind or in the opening.

Safety equipment
A standard catch safety device prevents uncontrolled unwinding of the curtain. In addition, all curtains are always equipped with robust pull-out protection. This makes it more difficult to pull the curtains out of the side guides.

Equipment

Simple operation
The tubular drive is operated with press-and-hold operation using the standard key switch 1. Both surface-mounted and flush-mounted variants are available.

Emergency operation (optional)
In the event of a power failure, the rolling shutter TD can simply be closed or opened with a sunblind pole from the barrel side. The sunblind pole 2 is available in lengths of 1000 mm, 1300 mm or 1800 mm. A lockable emergency operation with crank handle for the barrel opposite side is also optionally available.

Lock lath with locking rod (optional)
The profile with lockable locking rod 3 is available as an option. The locking rod can be fitted either in the bottom profile or at a height of approx. 1000 mm.

Bottom profile rubber (optional)
The narrow bottom profile 4 made of aluminium can be optionally fitted with a bottom profile rubber for a better bottom edge, e.g. in the case of slight unevenness.

Curtain cover (optional)
The curtain cover (PVTD) 5 made of galvanized steel provides effective protection against soiling and closes off the building structure.

Fascia panel (optional)
The fascia panel (SBTD) 6 made of galvanized steel conceals the curtain and the barrel if, for example, there is insufficient lintel.

Note:
Optional accessories can change the amount of installation space required. Further information can be found on page 7.

1


3


5


2


4


6

Ordering sizes

Minimum ordering width	1000 mm
Maximum ordering width	4000 mm
Minimum ordering height	1000 mm
Maximum ordering height HR70 S	4000 mm
Maximum ordering height HR70 S aero	3000 mm

Operator performance characteristics

Cycles per hour	2
Voltage / fuse protection	230 V / 16 A
Frequency	50 Hz
Protection category	IP44
Mains plug	Safety plug
Type	F (CEE 7/7)
Temperature range	–10°C to +40°C

Key switch for operation in press-and-hold operation

Protection category	IP54

Connecting socket

Protection category	IP54

Requirements on the building structure

Concrete:
Strength class C 20/25, thickness 140 mm, standard EN 206-1

Steel:
Strength class S235-JRG2, thickness 5 mm, standard EN 10027-1

Brickwork:
Stone strength class 12 / mortar group II, thickness 240 mm, standard DIN EN 1996 (EC 6)

Timber:
Softwood C24 / quality class II, thickness 120 mm, standard DIN EN 1995-1 (EC 5)

Fitting information:
All components are prepared ready for fitting. For dimensioning the building structure, you can easily and conveniently request an approval drawing with a true-to-scale representation of the door system and details of the forces at the fixing points from your Hörmann sales partner.

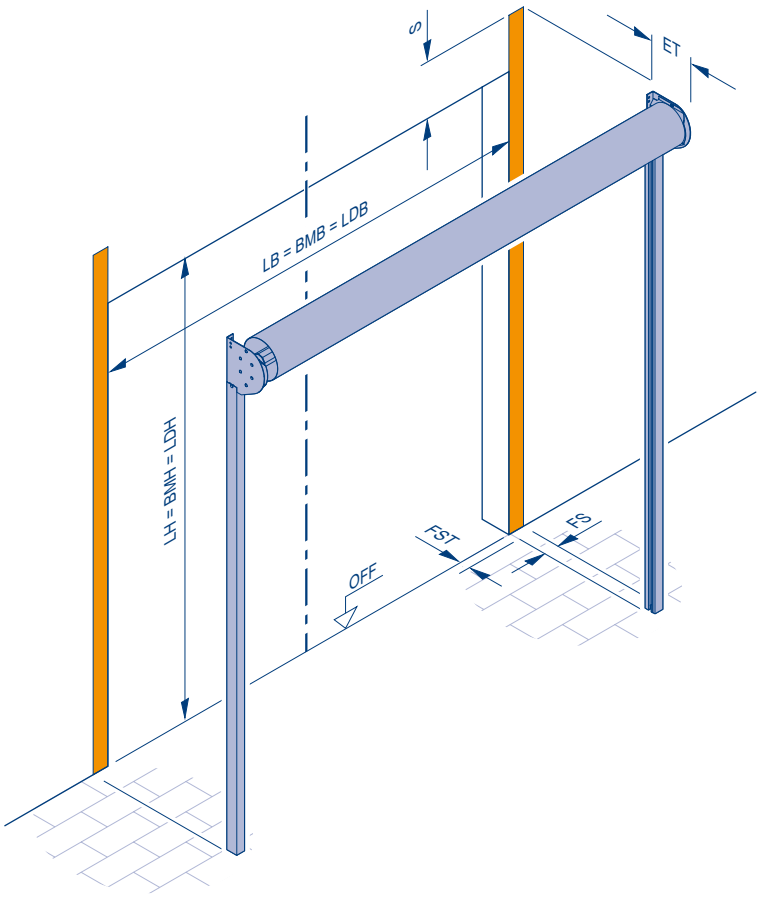
Note:
All dimensions in this document are minimum dimensions and guide values.

Fitting in front of or behind the reveal

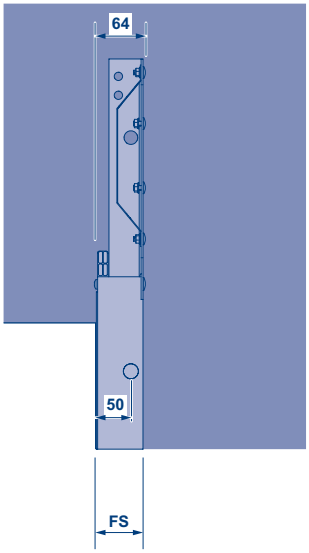
Fitting in the reveal

Technical manual

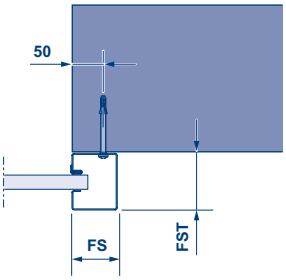
Fitting behind or in front of the opening



Space requirements of support bracket



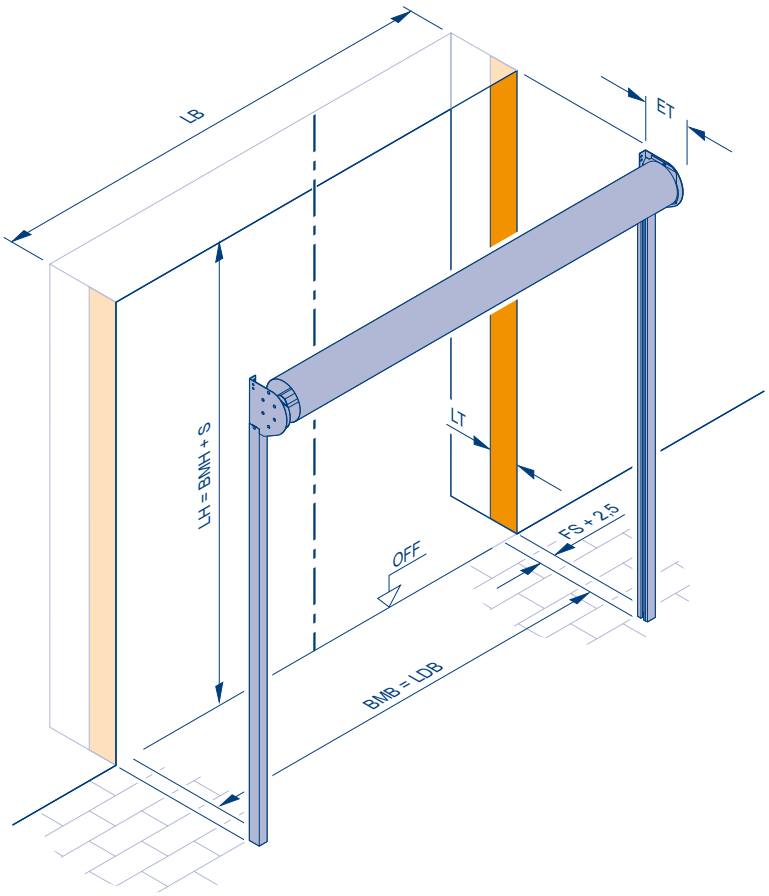
Space requirements of side guide FS60 × 75



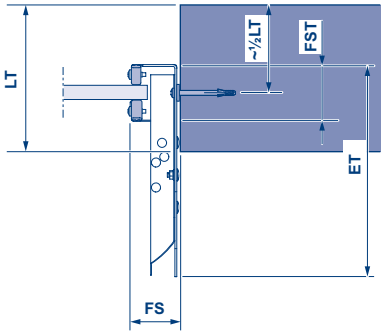
Notes:
When positioning the barrel above suspended ceilings or other obstacles, there must be clearance with a width of BMB + 120 mm and a depth (from the centre of the guide rail to the barrel side) of at least 100 mm to ensure trouble-free operation in the lintel area.
From a door height > 2500 mm, a two-part boom is supplied.

Space requirements		Welding	Bolts
	FS	165 mm	65 mm
	FST	180 mm	75 mm
Standard version	BMB	1000 – 4000 mm	1000 – 4000 mm
	BMH	1000 – 4000 mm	1000 – 4000 mm

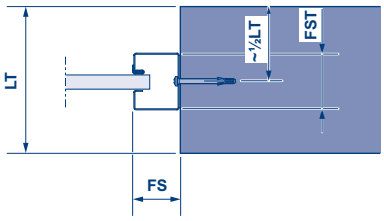
BMB = Ordering size width
BMH = Ordering size height
FS = Sideroom for side guide
FST = Depth of side guide
LB = Clear width
LH = Clear height
LDB = Clear passage width
LDH = Clear passage height
ET = Fitting depth
LT = Depth of reveal
S = Required headroom
OFF = Finished floor level (FFL)



Space requirements of support bracket



Space requirements of side guide FS60 × 75



Note:
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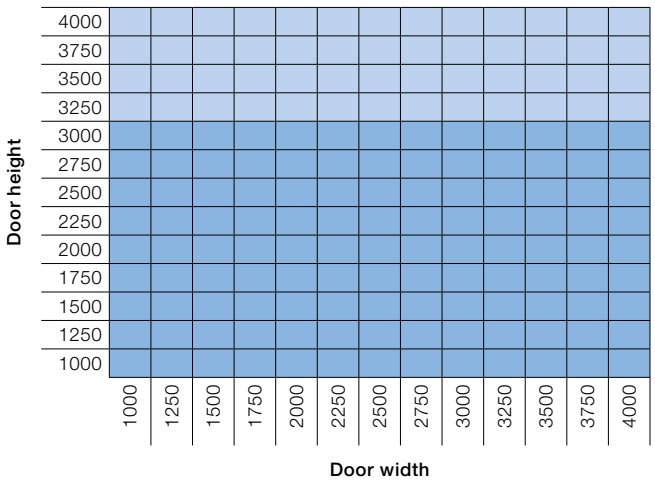
From a door height > 2500 mm, a two-part boom is supplied.

Size range



Required headroom and fitting depth

BMH	PVTD / SBTD	S	ET
≤ 3000 mm	Without	335 mm	300 mm
≤ 3000 mm	With	350 mm	380 mm
> 3000 mm	Without	400 mm	380 mm
> 3000 mm	With	415 mm	460 mm

Note:
The optional bottom profile rubber increases the required headroom by 30 mm.

HR70 S profiles

HR70 S aero profiles

Everything from a single source for construction and industry

Our large product range offers the right solution for any requirement. All products are optimally adjusted to work together, ensuring high functional safety. This makes us a strong, future-oriented partner for industrial and public construction projects.

INDUSTRIAL DOORS. LOADING TECHNOLOGY. SLIDING DOORS. CONSTRUCTION PROJECT DOORS. PERIMETER PROTECTION SYSTEMS.

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