

1 week delivery



# ROLLING SHUTTER TD

The smart-value rolling shutter



*Made in Germany*

**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 <sup>1</sup>

as a solid profile, galvanized steel

#### Profile HR70 S aero <sup>2</sup>

as a perforated profile, galvanized steel

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



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 side guides are flush with 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 side guides and support brackets are welded to the building structure as standard. Optionally, the side guides 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 (PVTB) **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.





## 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 (60 Hz optionally)
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
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## Connecting socket

Protection category	IP54
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## 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 indicative values.

## Fitting in front of or behind the opening

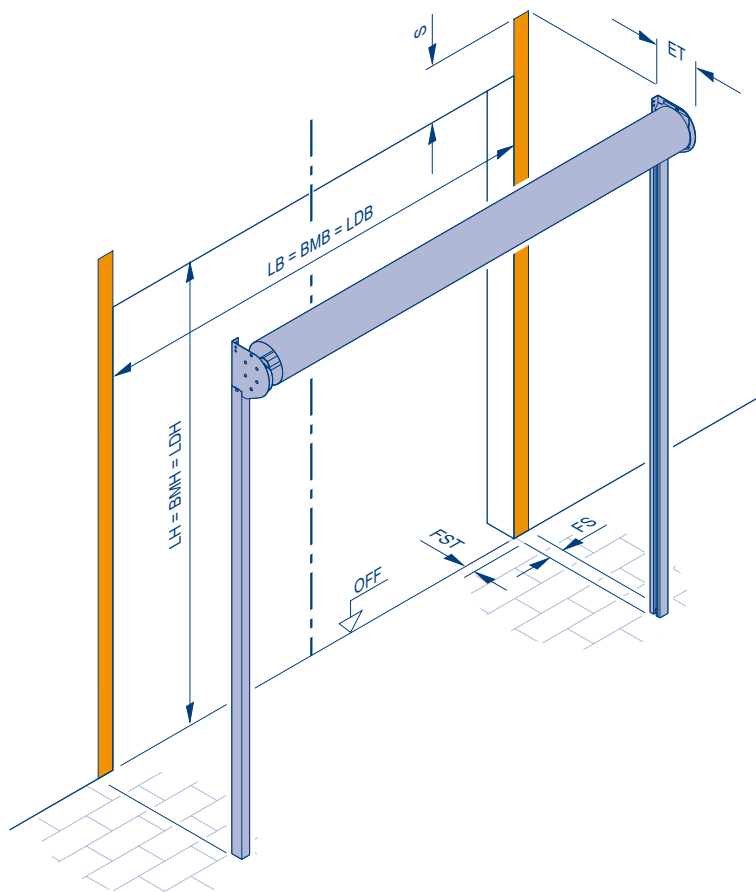


## Fitting in the opening

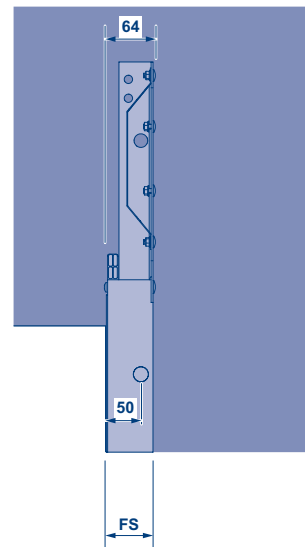


# Technical manual

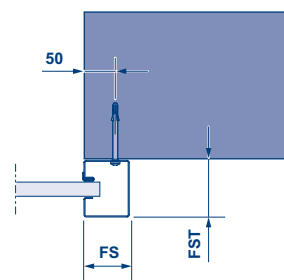
Fitting behind or in front of the opening



Space requirements of support bracket



Space requirements of side guide FS60 x 75

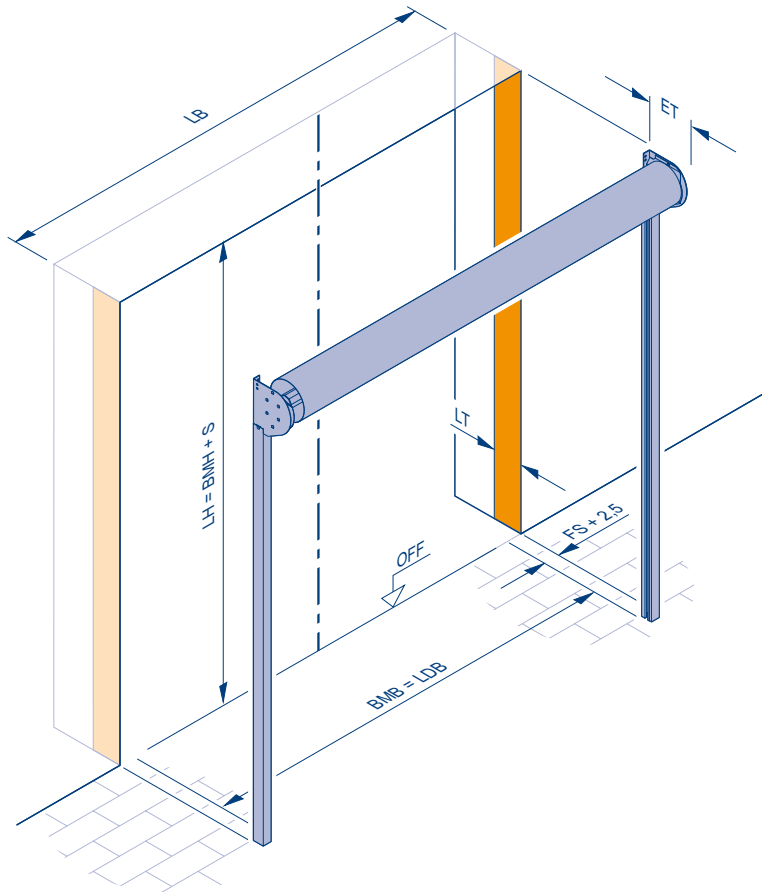


## Notes:

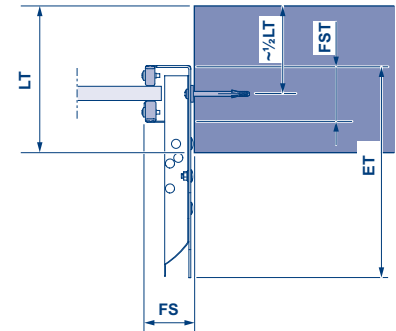
When positioning the barrel above suspended ceilings or other obstacles, there must be clearance with a width of  $BMB + 120 \text{ mm}$  and a depth (from the centre of the guide rail to the barrel side) of at least 100 mm to ensure trouble-free operation in the lintel area.  
From a door height > 2500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

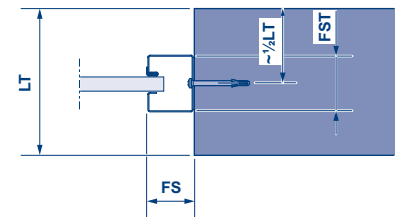
BMB	=	Ordering size width
BMH	=	Ordering size height
FS	=	Sideroom for side guide
FST	=	Depth of side guide
LB	=	Clear width
LH	=	Clear height
LDB	=	Clear passage width
LDH	=	Clear passage height
ET	=	Fitting depth
LT	=	Depth of opening
S	=	Required headroom
OFF	=	Finished floor level (FFL)



Space requirements of support bracket



Space requirements of side guide FS60 x 75



### Note:

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

Size range

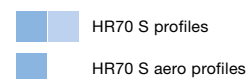
Door height	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000
Door width	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000

Required headroom and fitting depth

BMH	PVTD / SBTD	S	ET
$\leq 3000 \text{ mm}$	Without	335 mm	300 mm
$\leq 3000 \text{ mm}$	With	350 mm	380 mm
$> 3000 \text{ mm}$	Without	400 mm	380 mm
$> 3000 \text{ mm}$	With	415 mm	460 mm

### Note:

The optional bottom profile rubber increases the required headroom by  $30 \text{ mm}$ .



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