



**FIRE-RESISTANT STEEL ROLLER SHUTTER
4020 ROLL**



CE Certificate
Self-closing durability: C2 (10 000 cycles)
Interior industrial roller shutter
Surface treatment according to RAL

Product description

The roller shutter is designed to separate fire sections inside halls and buildings. The slats of the roller shutter are wound onto a shaft, which occupies a relatively small space in the door head. This allows the roller shutter to be placed in almost any opening. In addition, in its simple design, the roller shutter meets high demands of fire resistance.

The roller shutter is tailor-made according to the required dimensions of the building opening.

1 Safety features

On the lower edge of the roller shutter a safety contact edge is fastened. If, during regular operation when the roller shutter closes, it gets accidentally into contact with an obstacle, the movement direction of the roller shutter reverses. In the event of an alarm, the roller shutter closes by itself upon a signal from the fire detection and fire alarm system (FDAS), smoke or temperature detector.

The roller shutter is equipped with an electric drive with an integrated safety brake (anti drop protection device). The drive consists of a backup battery, which ensures that the roller shutter closes in case of power failure. The size of the drive and the integrated safety brake is always dimensioned according to the weight of the roll of a specific project.

2 Roller shutter slats



The roller shutter is made of double-skinned horizontal slats, which are interconnected by a special locks. The slats are filled with mineral wool. The roller shutter moves in guide rails and is wound onto a shaft. The roll is mounted on bearing brackets. The roller shutter achieves a speed of 0.15 m/s. Standard roller shutter is made of galvanized sheet. On customer request it is possible to be delivered with surface treatment according to RAL.

3 Control unit



In normal operation, the roller shutter opens and closes using the buttons on the control unit by impulse activation.



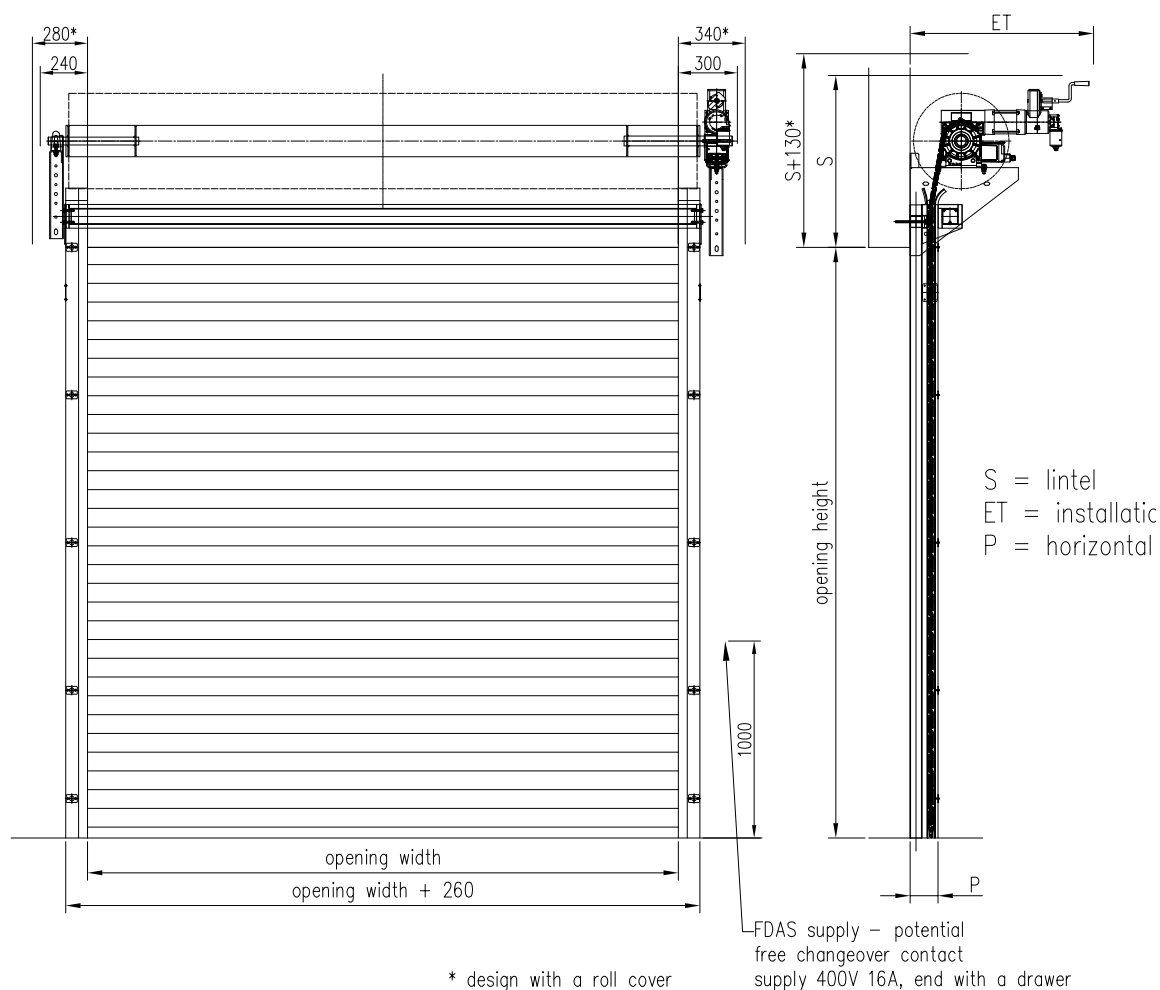
Technical parameters

Fire resistance: EW 15, 30, 45, 60, 90
Construction type: DP1
Self-closing durability: C2 (10 000 cycles)
Material of bearing wall: concrete, aerated concrete, masonry (min. thickness 250 mm), fire-proof steel construction

Dimensions of the roller shutter EW 15 - EW 90*:

Min.: w 2 000 mm x h 2 510 mm
Max.: w 5 000 mm x h 5 000 mm
w 6 000 mm x h 4 000 mm
w 4 000 mm x h 6 000 mm

* More information about the maximal dimensions on request



Optional equipment

- Roll cover
- Key switch
- Light curtain
- Surface treatment according to RAL
- Smoke detector
- Temperature detector
- Visual signalization
- Acoustic signalization

Certification



The roller shutter is tested and certified by independent institutes and comply with the requirements of the standards EN 13241:2003+A2:2016 and EN 16034:2014. We manufacture individual components (except for the drive and the control unit) in our production plant in compliance with the Quality Management System DIN EN ISO 9001:2016 and DIN EN ISO 14001: 2016.