

## NIHVA Fire Rated Rolling Shutter

### Description:

Fire-proof steel roller shutter Tested in acc. with STN EN 13501-2: 2005. (EW 60, EW45, EW 30 and E 60) Operating values

### Installation In :

Walls for guide rails: Permanent wall construction with a mean density of at least 613 kg/m<sup>3</sup> and min. wall thickness of 250 mm.

Header for consoles: Permanent wall construction with a mean density of at

### Dimensions : Ordering dimensions for:

- a. EW 60, E 60 Width: 1000 – 2500 mm  
Height: 1000 – 2450 mm
- b. EW 45, EW 30 Width: 1000 – 6000 mm  
Height: 1000 – 6000 mm

**Surface** : Galvanized steel

**Shutter curtain** : Consisting of hinge-like interconnected galvanized steel profiles

**Profile** : Double-skinned 1 mm galvanized steel, filled with mineral wool

**Bottom seal retainer:** Double-skinned box profile made of galvanized steel L-shaped profiles and C-shaped profiles (23 x 8) mm with rubber seal

**Guide rails** : GI steel profiles 2.5 mm (82 x 110 mm) with wear-proof guides

**Winding shaft** : Prime-coated steel tube in accordance with DIN 2458 with shafts welded onto each side for drive, anti-drop device or bearing support

**Header seal** : As standard

**Consoles** : Made of 4 mm thick sheet steel

**Drives and controls:** Direct mount drive with integrated anti-drop device or chain drive with separate anti-drop device.

**Version 1. (standard):** Electric, type TAR (direct mount drive) 400 V, 50 Hz, 60% ED (power-on time), IP 54, emergency hand crank

Electric, type TKR (chain drive) 400 V, 50 Hz, 40% ED (power-on time), IP 54, emergency hand crank

Control AS 210 pulse, IP 65, 24 V, safety edge mechanism (SKS) via opto-sensors, fully wired, CEE plug 16A / 5-wire with IP 44

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**Version 2. (at additional charge):**

Electric, type FDF (direct mount drive) incl. 24 V DC motor for closing during power failure.  
Control FS 345 pulse, with battery buffer, charger, acoustic signal, safety edge mechanism (SKS) via opt sensors, fully wired, CEE plug  
16A / 5-wire with IP 44

According to the manufacturer's specifications, the system must be checked once every four weeks!

**Further documents:** Refer to the installation data for the exact dimensions of lateral buffers and headroom requirements. Each shutter is supplied with an individually, dimensioned assembly drawing.

Please contact us about installation in unusual locations.

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