



Your leading manufacturer
and supplier of fire rated doors



version January 2024



Own production



100% tested



High quality



International



Modern design



Easy to assemble

Metacon-Next is your leading manufacturer of fire rated doors

An extensive global network of independent dealers supplies and installs our custom-made quality doors.

The doors are developed by our own Research & Development department on the basis of market wishes and in accordance with the latest requirements. We distinguish ourselves through our large certified product range and work with motivation and ambition to expand this further.

We achieve this by supplying high-quality products, which are easy to assemble, at competitive prices. Personal and good advice on application and substrate is also necessary. We distinguish ourselves in this and enable us - and you as dealer - to offer a suitable solution for every fire situation and contribute to a safe future.

Mission

Metacon-Next wants people to be able to work and stay safely. We offer security by minimizing the risks and damage caused by fire and burglary. We do this by offering innovative and high-quality solutions by means of fire-resistant and burglar-proof doors. The sustainability of our products and processes is central to this. Naturally, our products comply with international laws and regulations. We are a reliable partner: a deal is a deal when it comes to delivery times, quality and price.

Vision

Safety and security are basic needs. In a world that offers less and less certainty, we see ever-increasing expectations and demands for safety and security. We are convinced that continuous innovation of products and processes is necessary to meet increased expectations and requirements. As a result, we remain the leading provider of door solutions and contribute to a safe future.

Green corporate social responsibility

Not only does the green electricity choice help, so do the more than 2.000 solar panels on our roof. This enables us to reduce CO2 emissions to a minimum. With our product line of doors based on fire-resistant composite material, we apply the cradle-to-cradle principle. This is how we contribute and engage in corporate social responsibility, which is reflected in the successful annual recertification of our ISO 9001 and ISO 14001 certificates.



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From left to right: Klaas Mulder, Cristiano Valsania, Michel Paans, Ashley Stulp, Sander van Winden, Martien Jansen, Bob Vink, Jörg Martin, Jaap Aardema.

RGT EW 60 Compact

Certification

- tested in accordance with EN 1634-1
- classified according to EN 13501-2
- classified according to EN 13501-1 on fire class B-s1, d0
- validated cycle test in accordance with C2 (> 10.000 cycles)
- CE marked in accordance with EN 13241 and EN 16034

Application

- only suitable for indoor / indoor situations
- only to be used in case of calamity ('waiting' function)
- mounting only possible on the wall / opening
- permissible mounting surfaces include: aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction, metal stud wall

Standard

- gravity failsafe tubular motor 230 V incl. control box
- external safety catch device
- optical / acoustic signaling
- galvanized steel side guides and cover box

Options include

- emergency battery (UPS) for maintaining open position in the event of a power failure
- galvanized steel parts powder coated in RAL color of choice
- smoke detector for a stand-alone system
- various switches
- application in situations up to -25 degrees Celsius (freezing/freezing)



classification	fire resistance	max. opening width	max. opening height	max. opening
EW	60 minutes	10.000 mm	8.000 mm	80 m²

Due to continuous product development, we ask you to contact us for the current dimensions.
Larger dimensions on request.

RGT EW 60 & RGT EW 90

Certification

- tested in accordance with EN 1634-1
- classified according to EN 13501-2
- validated cycle test in accordance with C2 (> 10.000 cycles)
- CE marked in accordance with EN 13241 and EN 16034

Application

- only suitable for indoor / indoor situations
- only to be used in case of calamity ('waiting' function)
- mounting only possible on the wall / opening
- permissible mounting surfaces include: aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction, metal stud wall

Standard

- gravity failsafe tubular motor 230 V incl. control box
- optical / acoustic signaling
- galvanized steel side guides and cover box

Options include

- emergency battery (UPS) for maintaining open position in the event of a power failure
- galvanized steel parts powder coated in RAL color of choice
- visible parts side guides and cover box in stainless steel INOX 304 or 316
- chamfered construction on top of cover box
- smoke detector for a stand-alone system
- various switches



classification	fire resistance	max. opening width	max. opening height	max. opening
EW	60 minutes	8.000 mm	8.000 mm	48 m²
EW	90 minutes	6.000 mm	6.000 mm	19,25 m²

Due to continuous product development, we ask you to contact us for the current dimensions.
Larger dimensions on request.

Fire rated roller curtains

RGT EI(1) 45 / EI(2) 60 / EW 120

Certification

- tested in accordance with EN 1634-1 and EN 1634-3
- classified according to EN 13501-2
- validated cycle test in accordance with C2 (> 10.000 cycles)
- CE marked in accordance with EN 13241 and EN 16034

Application

- only suitable for indoor / indoor situations
- only to be used in case of calamity ('waiting' function)
- mounting possible on and in the wall / opening
- permissible mounting surfaces include: aerated concrete, sand-lime brick, concrete, masonry

Standard

- gravity failsafe tubular motor 230 V incl. control box
- optical / acoustic signaling
- galvanized steel side guides and cover box

Options include

- smoke-resistant version based on Sa or S200
- emergency battery (UPS) for maintaining open position in the event of a power failure
- galvanized steel parts powder coated in RAL color of choice
- smoke detector for a stand-alone system
- various switches



classification	fire resistance	max. opening width	max. opening height	max. opening
EI(1)	45 minutes	7.000 mm	7.000 mm	± 35 m²
EI(2)	60 minutes	7.000 mm	7.000 mm	± 35 m²
EW	120 minutes	7.000 mm	7.000 mm	± 35 m²

Size based on maximum application range gravity failsafe tubular motor. If required, up to max. 16.000 mm x 10.000 mm (w x h), 160 m², equipped with gravity failsafe chain wheel motor, on request.

RGT EI(1) 60 / EI(2) 120 / EW 120

Certification

- tested in accordance with EN 1634-1 and EN 1634-3
- classified according to EN 13501-2
- validated cycle test in accordance with C2 (> 10.000 cycles)
- CE marked in accordance with EN 13241 and EN 16034

Application

- only suitable for indoor / indoor situations
- only to be used in case of calamity ('waiting' function)
- mounting possible on and in the wall / opening
- permissible mounting surfaces include: aerated concrete, sand-lime brick, concrete, masonry

Standard

- gravity failsafe tubular motor 230 V incl. control box
- optical / acoustic signaling
- galvanized steel side guides and cover box

Options include

- smoke-resistant version based on Sa or S200
- emergency battery (UPS) for maintaining open position in the event of a power failure
- galvanized steel parts powder coated in RAL color of choice
- smoke detector for a stand-alone system
- various switches



classification	fire resistance	max. opening width	max. opening height	max. opening
EI(1)	60 minutes	7.000 mm	7.000 mm	± 24,5 m²
EI(2)	120 minutes	7.000 mm	7.000 mm	± 24,5 m²
EW	120 minutes	7.000 mm	7.000 mm	± 24,5 m²

Size based on maximum application range gravity failsafe tubular motor. If required, up to max. 18.000 mm x 10.000 mm (w x h), 180 m², equipped with gravity failsafe chain wheel motor, on request.

RGS EW 60 & RGS EW 90 & RGS EW 120
(400V motor)

Certification

- tested in accordance with EN 1634-1
- classified according to EN 13501-2
- validated cycle test in accordance with C2 (> 10.000 cycles)
- CE marked in accordance with EN 13241 and EN 16034

- galvanized steel parts powder coated in RAL color of choice
- side guides, brackets, cover box in stainless steel INOX 304 or 316
- set of light curtains
- smoke detector for a stand-alone system
- various switches

Application

- suitable for indoor / indoor and indoor / outdoor situations
- suitable for frequent use
- mounting only possible on the wall / opening
- permissible mounting surfaces include: aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction

Standard

- gravity failsafe chain wheel drive 400 V incl. control box with integrated battery
- external safety catch device
- optical / acoustic signaling
- door leaf constructed from double-walled, galvanized steel, slats, thickness 22 mm

Options include

- application in indoor / outdoor situations up to wind class 5 (> 1.000 Pa)
- roll / motor cover box, galvanized steel



classification	fire resistance	max. opening width	max. opening height	max. opening
EW	60 minutes	9.000 mm	9.000 mm	± 70 m²
EW	90 minutes	9.000 mm	9.000 mm	± 18 m² - ± 29 m²
EW	120 minutes	9.000 mm	9.000 mm	± 14 m² - ± 25 m²

Due to continuous product development, we ask you to contact us for the current dimensions.
Larger dimensions on request.

RGS EW 60 & RGS EW 90 & RGS EW 120
(230V motor)

Certification

- tested in accordance with EN 1634-1
- classified according to EN 13501-2
- validated cycle test in accordance with C1 (> 500 cycles)
- CE marked in accordance with EN 13241 and EN 16034

- galvanized steel parts powder coated in RAL color of choice
- side guides, brackets, cover box in stainless steel INOX 304 or 316
- set of light curtains
- smoke detector for a stand-alone system
- various switches

Application

- suitable for indoor / indoor and indoor / outdoor situations
- mounting only possible on the wall / opening
- permissible mounting surfaces include: aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction

Standard

- gravity failsafe tubular motor 230 V incl. control box
- external safety catch device
- optical / acoustic signaling
- door leaf constructed from double-walled, galvanized steel, slats, thickness 22 mm

Options include

- application in indoor / outdoor situations up to wind class 5 (> 1.000 Pa)
- roll / motor cover box, galvanized steel



classification	fire resistance	max. opening width	max. opening height	max. opening
EW	60 minutes	5.000 mm	5.000 mm	± 9 m²
EW	90 minutes	5.000 mm	5.000 mm	± 8 m²
EW	120 minutes	5.000 mm	5.000 mm	± 6 m²

Due to continuous product development, we ask you to contact us for the current dimensions.
Larger dimensions on request.

Fire rated roller shutters

RGS EW 240

(400V motor)

Certification

- tested in accordance with EN 1634-1
- classified according to EN 13501-2
- validated cycle test in accordance with C2 (> 10.000 cycles)
- CE marked in accordance with EN 13241 and EN 16034

Application

- suitable for indoor / indoor and outdoor / outdoor situations
- suitable for frequent use
- mounting only possible on the wall / opening
- permissible mounting surfaces include: aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction (through-and-through installation mandatory when fire resistance > 120 minutes; not possible with a steel structure surface)

Standard

- gravity failsafe chain wheel drive 400 V incl. control box with integrated battery
- external safety catch device
- optical / acoustic signaling
- door leaf constructed from double-walled, galvanized steel, slats, thickness 60 mm

Options include

- application in indoor / outdoor situations up to wind class 3 (700 Pa)
- roll / motor cover box, galvanized steel
- galvanized steel parts powder coated in RAL color of choice
- set of light curtains
- smoke detector for a stand-alone system
- various switches



classification	fire resistance	max. opening width	max. opening height	max. opening
EW	120 minutes*	9.000 mm	9.000 mm	± 45 m ²
E	240 minutes	9.000 mm	9.000 mm	± 45 m ²

* additional performance EW 240 minutes is not possible to certify according EN 13501-2.
Due to continuous product development, we ask you to contact us for the current dimensions.
Larger dimensions on request.

RGS EW 240

(230V motor)

Certification

- tested in accordance with EN 1634-1
- classified according to EN 13501-2
- validated cycle test in accordance with C1 (> 500 cycles)
- CE marked in accordance with EN 13241 and EN 16034

Application

- suitable for indoor / indoor and outdoor / outdoor situations
- mounting only possible on the wall / opening
- permissible mounting surfaces include: aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction (through-and-through installation mandatory when fire resistance > 120 minutes; not possible with a steel structure surface)

Standard

- indirect gravity failsafe tubular motor 230 V incl. control box
- external safety catch device
- optical / acoustic signaling
- door leaf constructed from double-walled, galvanized steel, slats, thickness 60 mm

Options include

- application in indoor / outdoor situations up to wind class 3 (700 Pa)
- roll / motor cover box, galvanized steel
- galvanized steel parts powder coated in RAL color of choice
- set of light curtains
- smoke detector for a stand-alone system
- various switches



classification	fire resistance	max. opening width	max. opening height	max. opening
EW	120 minutes*	5.000 mm	3.500 mm	± 10 m ²
E	240 minutes	5.000 mm	3.500 mm	± 10 m ²

* additional performance EW 240 minutes is not possible to certify according EN 13501-2.
Due to continuous product development, we ask you to contact us for the current dimensions.
Larger dimensions on request.

Fire rated roller shutters

RGS EW 360 TWIN

(400V motor)

Certification

- tested in accordance with EN 1634-1
- classified according to EN 13501-2
- validated cycle test in accordance with C2 (> 10.000 cycles)
- CE marked in accordance with EN 13241 and EN 16034

Application

- suitable for indoor / indoor and indoor / outdoor situations
- suitable for frequent use
- mounting only possible on the wall / opening
- permissible mounting surfaces include: aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction (through-and-through installation mandatory when fire resistance > 120 minutes; not possible with a steel structure surface)

Standard

- construction of double, symmetrically installed, fire rated roller shutters
- gravity failsafe chain wheel drives 400 V incl. control boxes with integrated battery's
- external safety catch devices
- optical / acoustic signaling
- door leafs constructed from double-walled, galvanized steel, slats, thickness 22 mm

Options include

- application in indoor / outdoor situations up to wind class 5 (> 1.000 Pa)
- roll / motor cover box, galvanized steel
- galvanized steel parts powder coated in RAL color of choice
- side guides, brackets, cover box in stainless steel INOX 304 or 316
- set of light curtains
- smoke detector for a stand-alone system
- various switches



classification	fire resistance	max. opening width	max. opening height	max. opening
EW	120 minutes*	9.000 mm	9.000 mm	± 70 m²
E	240 minutes*	9.000 mm	9.000 mm	± 70 m²

* additional performance EW 240 and EW 360 minutes are not possible to certify according EN 13501-2.
Due to continuous product development, we ask you to contact us for the current dimensions.
Larger dimensions on request.

RGS EW 360 TWIN

(230V motor)

Certification

- tested in accordance with EN 1634-1
- classified according to EN 13501-2
- validated cycle test in accordance with C1 (> 500 cycles)
- CE marked in accordance with EN 13241 and EN 16034

Application

- suitable for indoor / indoor and indoor / outdoor situations
- mounting only possible on the wall / opening
- permissible mounting surfaces include: aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction (through-and-through installation mandatory when fire resistance > 120 minutes; not possible with a steel structure surface)

Standard

- construction of double, symmetrically installed, fire rated roller shutters
- gravity failsafe tubular motors 230 V incl. control boxes
- external safety catch devices
- optical / acoustic signaling
- door leafs constructed from double-walled, galvanized steel, slats, thickness 22 mm

Options include

- application in indoor / outdoor situations up to wind class 5 (> 1.000 Pa)
- roll / motor cover box, galvanized steel
- galvanized steel parts powder coated in RAL color of choice
- side guides, brackets, cover box in stainless steel INOX 304 or 316
- set of light curtains
- smoke detector for a stand-alone system
- various switches



classification	fire resistance	max. opening width	max. opening height	max. opening
EW	120 minutes*	5.000 mm	5.000 mm	± 8 m²
E	240 minutes*	5.000 mm	5.000 mm	± 8 m²

* additional performance EW 240 and EW 360 minutes are not possible to certify according EN 13501-2.
Due to continuous product development, we ask you to contact us for the current dimensions.
Larger dimensions on request.

RGS EI(1) 30 / EI(2) 60
(400V motor)

Certification

- tested in accordance with EN 1634-1
- classified according to EN 13501-2
- validated cycle test in accordance with C2 (> 10.000 cycles)
- CE marked in accordance with EN 13241 and EN 16034

Application

- suitable for indoor / indoor and indoor / outdoor situations
- suitable for frequent use
- mounting only possible on the wall / opening
- permissible mounting surfaces include: aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction

Standard

- gravity failsafe chain wheel drive 400 V incl. control box with integrated battery
- external safety catch device
- optical / acoustic signaling
- door leaf constructed from double-walled, galvanized steel, slats, thickness 60 mm

Options include

- application in indoor / outdoor situations up to wind class 3 (700 Pa)
- roll / motor cover box, galvanized steel
- galvanized steel parts powder coated in RAL color of choice
- set of light curtains
- smoke detector for a stand-alone system
- various switches



classification	fire resistance	max. opening width	max. opening height	max. opening
EI(1)	30 minutes	9.000 mm	9.000 mm	± 45 m²
EI(1)	45 minutes	9.000 mm	9.000 mm	± 45 m²
EI(2)	30 minutes	9.000 mm	9.000 mm	± 45 m²
EI(2)	60 minutes	9.000 mm	9.000 mm	± 45 m²

Due to continuous product development, we ask you to contact us for the current dimensions.
Larger dimensions on request.

RGS EI(1) 30 / EI(2) 60
(230V motor)

Certification

- tested in accordance with EN 1634-1
- classified according to EN 13501-2
- validated cycle test in accordance with C1 (> 500 cycles)
- CE marked in accordance with EN 13241 and EN 16034

Application

- suitable for indoor / indoor and indoor / outdoor situations
- mounting only possible on the wall / opening
- permissible mounting surfaces include: aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction

Standard

- indirect gravity failsafe tubular motor 230 V incl. control box
- external safety catch device
- optical / acoustic signaling
- door leaf constructed from double-walled, galvanized steel, slats, thickness 60 mm

Options include

- application in indoor / outdoor situations up to wind class 3 (700 Pa)
- roll / motor cover box, galvanized steel
- galvanized steel parts powder coated in RAL color of choice
- set of light curtains
- smoke detector for a stand-alone system
- various switches



classification	fire resistance	max. opening width	max. opening height	max. opening
EI(1)	30 minutes	5.000 mm	3.500 mm	± 10 m²
EI(1)	45 minutes	5.000 mm	3.500 mm	± 10 m²
EI(2)	30 minutes	5.000 mm	3.500 mm	± 10 m²
EI(2)	60 minutes	5.000 mm	3.500 mm	± 10 m²

Due to continuous product development, we ask you to contact us for the current dimensions.
Larger dimensions on request.

Fire rated roller shutters

RGC EI(1) 60

Certification

- tested in accordance with EN 1634-1
- classified according to EN 13501-2
- classified according to EN 13501-1 on fire class B-s1, d0
- validated cycle test in accordance with C3 (> 50.000 cycles)
- CE marked in accordance with EN 13241 and EN 16034

Application

- suitable for indoor / indoor and indoor / outdoor situations
- applicable in protected escape routes, not as an escape route
- suitable for frequent use
- mounting only possible on the wall / opening
- permissible mounting surfaces include: aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction

Standard

- gravity failsafe chain wheel drive 400 V incl. control box with integrated battery
- external safety catch device
- optical / acoustic signaling
- door leaf constructed from galvanized steel slats (front) and fire-resistant composite panels (back), total thickness 43mm, with a mixed white structure

Options include

- application in indoor / outdoor situations up to wind class 5 (> 1.000 Pa)
- burglar-resistant version (outside => inside) in accordance with RC 3 or RC 4
- sound insulation value 32 dB or 34 dB
- roll / motor cover box, galvanized steel
- galvanized steel parts powder coated in RAL color of choice
- composite slats in RAL color of choice based on wet painting or wrap foil
- set of light curtains
- smoke detector for a stand-alone system
- various switches
- explosion-proof (ATEX) components and marking
- liquid barrier with height 300 mm

classification	fire resistance	max. opening width	max. opening height	max. opening
EI(1)	30 minutes	9.250 mm	8.000 mm	± 32,5 m ²
EI(1)	60 minutes	9.250 mm	8.000 mm	± 32,5 m ²
EW	30 minutes	9.250 mm	8.000 mm	± 32,5 m ²
EW	60 minutes	9.250 mm	8.000 mm	± 32,5 m ²

Due to continuous product development, we ask you to contact us for the current dimensions.

Width and height are maximized, openings larger than ± 32,5 m² on request.



OHD-C EI(1) 60 / EI(2) 90 / EW 90

(400V motor)

Certification

- tested in accordance with EN 1634-1 and EN 1634-3
- classified according to EN 13501-2
- classified according to EN 13501-1 on fire class B-s1, d0
- validated cycle test in accordance with C3 (> 50.000 cycles)
- CE marked in accordance with EN 13241 and EN 16034

Application

- suitable for indoor / indoor and indoor / outdoor situations
- applicable in protected escape routes, not as an escape route
- suitable for frequent use
- mounting only possible on the wall / opening
- permissible mounting surfaces include: aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction

Standard

- gravity failsafe chain wheel drive 400 V incl. control box with integrated battery
- external safety catch device
- optical / acoustic signaling
- rail system for installation height between 1.000 mm and 1.500 mm
- door leaf constructed from fire-resistant composite panels, thickness 42 mm, with a mixed white structure

Options include

- application in indoor / outdoor situations up to wind class 5 (> 1.000 Pa)
- smoke-resistant version based on Sa
- burglar-resistant version (outside => inside) in accordance with RC 2 or RC 3
- sound insulation value 30 dB or 32 dB
- low rail system for installation height from 400 mm
- high lift or vertical rail system for installation height from 1.500 mm
- panels in RAL color of choice based on wet painting or wrap foil
- set of light curtains
- smoke detector for a stand-alone system
- various switches
- explosion-proof (ATEX) components and marking
- liquid barrier with height 300 mm or 500 mm



classification	fire resistance	max. opening width	max. opening height	max. opening
EI(1)	60 minutes	5.175 mm	6.967 mm	23,5 m²
EI(2)	90 minutes	5.175 mm	6.967 mm	23,5 m²
EW	90 minutes	5.175 mm	6.967 mm	23,5 m²

Due to continuous product development, we ask you to contact us for the current dimensions.
Larger dimensions on request.

OHD-C EI(1) 60 / EI(2) 90 / EW 90

(230V motor)

Certification

- tested in accordance with EN 1634-1 and EN 1634-3
- classified according to EN 13501-2
- classified according to EN 13501-1 on fire class B-s1, d0
- validated cycle test in accordance with C1 (> 500 cycles)
- CE marked in accordance with EN 13241 and EN 16034

Application

- suitable for indoor / indoor and indoor / outdoor situations
- applicable in protected escape routes, not as an escape route
- mounting only possible on the wall / opening
- permissible mounting surfaces include: aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction

Standard

- indirect gravity failsafe tubular motor 230 V incl. control box
- external safety catch device
- optical / acoustic signaling
- rail system for installation height between 1.000 mm and 1.500 mm
- door leaf constructed from fire-resistant composite panels, thickness 42 mm, with a mixed white structure

Options include

- application in indoor / outdoor situations up to wind class 5 (> 1.000 Pa)
- smoke-resistant version based on Sa
- burglar-resistant version (outside => inside) in accordance with RC 2 or RC 3
- sound insulation value 30 dB or 32 dB
- low rail system for installation height from 400 mm
- high lift or vertical rail system for installation height from 1.500 mm
- panels in RAL color of choice based on wet painting or wrap foil
- set of light curtains
- smoke detector for a stand-alone system
- various switches
- liquid barrier with height 300 mm or 500 mm



classification	fire resistance	max. opening width	max. opening height	max. opening
EI(1)	60 minutes	5.175 mm	4.000 mm	± 13 m²
EI(2)	90 minutes	5.175 mm	4.000 mm	± 13 m²
EW	90 minutes	5.175 mm	4.000 mm	± 13 m²

Due to continuous product development, we ask you to contact us for the current dimensions.
Larger dimensions on request.

Fire rated sectional doors

OHD-C EI(1) 120 / EW 120

(400V motor)

Certification

- tested in accordance with EN 1634-1
- classified according to EN 13501-2
- classified according to EN 13501-1 on fire class B-s1, d0
- validated cycle test in accordance with C3 (> 50.000 cycles)
- CE marked in accordance with EN 13241 and EN 16034

Application

- suitable for indoor / indoor and indoor / outdoor situations
- applicable in protected escape routes, not as an escape route
- suitable for frequent use
- mounting only possible on the wall / opening
- permissible mounting surfaces include: aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction

Standard

- gravity failsafe chain wheel drive 400 V incl. control box with integrated battery
- external safety catch device
- optical / acoustic signaling
- rail system for installation height between 1.100 mm and 1.600 mm
- door leaf constructed from fire-resistant composite panels, thickness 80 mm, with a mixed white structure

Options include

- application in indoor / outdoor situations up to wind class 5 (> 1.000 Pa)
- burglar-resistant version (outside => inside) in accordance with RC 2 or RC 3
- sound insulation value 29 dB
- extra low rail system for installation height from 500 mm to 780 mm
- low rail system for installation height from 780 mm to 1.100 mm
- high lift or vertical rail system for installation height from 1.600 mm
- panels in RAL color of choice based on wet painting
- set of light curtains
- smoke detector for a stand-alone system
- various switches
- explosion-proof (ATEX) components and marking



classification	fire resistance	max. opening width	max. opening height	max. opening
EI(1)	120 minutes	5.175 mm	6.967 mm	23,5 m ²
EI(2)	120 minutes	5.175 mm	6.967 mm	23,5 m ²
EW	120 minutes	5.175 mm	6.967 mm	23,5 m ²

Due to continuous product development, we ask you to contact us for the current dimensions.
Larger dimensions on request.

OHD-C EI(1) 120 / EW 120

(230V motor)

Certification

- tested in accordance with EN 1634-1
- classified according to EN 13501-2
- classified according to EN 13501-1 on fire class B-s1, d0
- validated cycle test in accordance with C1 (> 500 cycles)
- CE marked in accordance with EN 13241 and EN 16034

Application

- suitable for indoor / indoor and indoor / outdoor situations
- applicable in protected escape routes, not as an escape route
- mounting only possible on the wall / opening
- permissible mounting surfaces include: aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction

Standard

- indirect gravity failsafe tubular motor 230 V incl. control box
- external safety catch device
- optical / acoustic signaling
- rail system for installation height between 1.100 mm and 1.600 mm
- door leaf constructed from fire-resistant composite panels, thickness 80 mm, with a mixed white structure



classification	fire resistance	max. opening width	max. opening height	max. opening
EI(1)	120 minutes	5.175 mm	4.000 mm	± 11 m ²
EI(2)	120 minutes	5.175 mm	4.000 mm	± 11 m ²
EW	120 minutes	5.175 mm	4.000 mm	± 11 m ²

Due to continuous product development, we ask you to contact us for the current dimensions.
Larger dimensions on request.

OHD-C Sprint

Certification

- tested in accordance with EN 1634-1
- classified according to EN 13501-2
- classified according to EN 13501-1 on fire class B-s1, d0
- validated endurance test at > 300.000 cycles
- CE marked in accordance with EN 13241 and EN 16034

Application

- basically always closed
- suitable for indoor / indoor and indoor / outdoor situations
- applicable in protected escape routes, not as an escape route
- suitable for frequent use
- mounting only possible on the wall / opening
- permissible mounting surfaces include: aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction

Standard

- box motor 400 V incl. integrated safety catch device and control box with integrated frequency inverter
- opening speed max. ± 1.000 mm per second
- closing speed max. ± 250 mm - ± 1.000 mm per second
- fully vertical rail system
- set of light curtains
- door leaf constructed from fire-resistant composite panels, thickness 42 mm, with a mixed white structure

Options include

- application in indoor / outdoor situations up to wind class 5 (> 1.000 Pa)
- burglar-resistant version (outside => inside) in accordance with RC 2 or RC 3
- sound insulation value 30 dB or 32 dB
- high lift system for installation height from 1.500 mm
- panels in RAL color of choice based on wet painting or wrap foil
- smoke detector for a stand-alone system
- various switches

classification	fire resistance	max. opening width	max. opening height	max. opening
EI(1)	60 minutes	4.000 mm	4.500 mm	10 m ²
EI(2)	90 minutes	4.000 mm	4.500 mm	10 m ²
EW	90 minutes	4.000 mm	4.500 mm	10 m ²

Due to continuous product development, we ask you to contact us for the current dimensions.
Larger dimensions on request.



SGC EI(1) 60 / EW 120

Certification

- tested in accordance with EN 1634-1 and EN 1634-3
- classified according to EN 13501-2
- classified according to EN 13501-1 on fire class B-s1, d0
- validated cycle test in accordance with C3 (> 50.000 cycles)
- CE marked in accordance with EN 13241 and EN 16034

Application

- only suitable for indoor / indoor situations
- applicable in protected escape routes, not as an escape route
- mounting only possible on the wall / opening
- permissible mounting surfaces include: aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction

Standard

- manually operated
- adjustable speed controller with integrated adhesive magnet 24 V
- gravity self-closing by counter weight
- door leaf constructed from fire-resistant composite panels, thickness 42 mm, with a mixed white structure

Options include

- smoke-resistant version based on Sa
- galvanized steel rail cover
- panels in RAL color of choice based on wet painting or wrap foil
- galvanized steel parts powder coated in RAL color of choice
- free-swing system for operation independent of counter weight
- motor and control box 400 V for electrical opening and closing
- smoke detector for a stand-alone system



classification	fire resistance	max. opening width	max. opening height	max. opening
EI(1)	60 minutes	5.450 mm	6.750 mm	25 m ²
EW	120 minutes	5.450 mm	6.750 mm	25 m ²

Due to continuous product development, we ask you to contact us for the current dimensions.
Larger dimensions on request.



Fire rated hinged doors

LD Standard EI(1) 30 / EI(2) 60 & EI(1) 60 / EI(2) 120

Certification

- tested in accordance with EN 1634-1
- classified according to EN 13501-2
- CE marked in accordance with EN 13241 and EN 16034

Application

- suitable for indoor / indoor and indoor / outdoor situations
- permissible mounting surfaces include: aerated concrete, sand-lime brick, concrete, masonry

Standard

- door leaf and frame in RAL color of choice
- equipped with corner frame
- including door closer

Options include

- application in indoor / outdoor situations
- block frame
- two-leaf version (active leaf + fixed leaf)
- integrated glass window
- panic lock by means of a handle or push bar



classification	fire resistance	max. opening width	max. opening height	max. opening
EI(1)	30 minutes	1.300 mm	2.500 mm	3,25 m ²
EI(1)*	30 minutes	2.500 mm	2.500 mm	6,25 m ²
EI(1)	60 minutes	1.300 mm	2.500 mm	3,25 m ²
EI(1)*	60 minutes	2.300 mm	2.500 mm	5,75 m ²
EI(2)	60 minutes	1.300 mm	2.500 mm	3,25 m ²
EI(2)*	60 minutes	2.500 mm	2.500 mm	6,25 m ²
EI(2)	120 minutes	1.300 mm	2.500 mm	3,25 m ²
EI(2)*	120 minutes	2.300 mm	2.500 mm	5,75 m ²

* two-leaf version.

Due to continuous product development, we ask you to contact us for the current dimensions.
Larger dimensions on request.

LD Pro EI(1) 60 / EI(2) 120 / EW 240

Certification

- tested in accordance with EN 1634-1
- classified according to EN 13501-2
- CE marked in accordance with EN 13241 and EN 16034

Application

- suitable for indoor / indoor and indoor / outdoor situations
- permissible mounting surfaces include: aerated concrete, sand-lime brick, concrete, masonry

Standard

- door leaf and frame in RAL color of choice based on wet painting
- equipped with corner frame
- including door closer

Options include

- application in indoor / outdoor situations
- block frame or wall-covering frame
- two-leaf version (active leaf + fixed leaf)
- panic lock by means of a handle or push bar
- storm chain



classification	fire resistance	max. opening width	max. opening height	max. opening
EI(1)	60 minutes	1.300 mm	2.400 mm	3,12 m ²
EI(1)*	60 minutes	2.497 mm	2.928 mm	7,31 m ²
EI(2)	120 minutes	1.300 mm	2.400 mm	3,12 m ²
EI(2)*	120 minutes	2.497 mm	2.928 mm	7,31 m ²
EW	120 minutes**	1.300 mm	2.400 mm	3,12 m ²
EW*	120 minutes**	2.497 mm	2.928 mm	7,31 m ²
E	240 minutes	1.300 mm	2.400 mm	3,12 m ²
E*	240 minutes	2.497 mm	2.928 mm	7,31 m ²

* two-leaf version.

** additional performance EW 240 minutes is not possible to certify according EN 13501-2.

Due to continuous product development, we ask you to contact us for the current dimensions.
Larger dimensions on request.

Metacon-Next: reliable and familiar with the regulations

As of November 1, 2019, CE marking is mandatory within the European Union on industrial doors with fire-resistant and smoke-resistant characteristics.

The CE certificate is a CPR document (Construction Products Regulation) issued by a Notified Body. These are accredited bodies such as Efectis, Fires and Applus. A Notified Body supervises the compliant performance of, among other things, fire tests, cycle tests and tests regarding the wind load and is authorized to express this performance in a CE certificate by means of classification reports. The CE certificate states, among other things, the structure of a product, its fire resistance, smoke-limiting characteristics, the area of application and the permitted mounting surfaces.

Our products are provided with a CE certificate and are also produced and delivered in accordance with this certificate. We draw up a Declaration of Performance (DoP) of each concerning product. The performances are declared under EN 13241, including the mandatory safe opening, possibly additional wind class and various other essential characteristics of the product. In addition, the performances are declared under EN 16034, such as fire resistance, the ability to release and self-closing. This DoP is made available by us to the customer and explains the performance of the delivered product.

We guarantee you, as a dealer of Metacon-Next, always a correct DoP!

Quality standards

All our products have been tested, classified and marked according to the most recent regulations within the European Union.



The Declaration of Performance (DoP) is a mandatory, door-specific, supplier’s declaration in which the performance of the produced door is declared.

Draft Declaration of Performance	No. -	Metacon-Next
1	Unique identification code of the product type:
2	Type, batch or serial number or any other element for the identification of the product	Orderno.: Pos.: ..
3	Intended use of the construction	Industrial fire rated door
4	Name and address of manufacturer	Metacon-Next B.V. Zuidbaan 450 2841 MD Moordrecht (NL)
5	Name of representative	M. Asscheman
6	System of assessment and verification of constancy of performance of the construction product as set out in annex V	System 1 + System 3
7	In case of the Declaration of Performance concerning a construction product covered by a harmonized standard EN 16034 The notified product verification body (n°) has performed in system 1 the determination of the product type on base of type test (including sampling), initial inspection of the manufacturing company and in-house production control plus monitoring, appraisal and evaluation of the in-house production control and issued the certificate of constancy of the product performance (certificate n°-CPR-....) In case of the Declaration of Performance concerning a construction product covered by a harmonized standard EN 13241 The notified product verification body (.....) has performed the test in system 3 and issued the test report (certificate n°).	
8	Declared performance	
	Essential characteristics	Performance
	Water tightness	NPD
	Release of dangerous substances	NPD
	Resistance to wind load *	Class 0 – 5
	Thermal resistance	NPD
	Air permeability	NPD
	Safe opening (for vertically moving doors)	Pass
	Definition of geometry of glass components	NPD
	Mechanical resistance and stability	Pass
	Operating forces (for power operated doors)	Pass
	Durability of water tightness, thermal resistance and air permeability against degradation	NPD
A)	Resistance to fire *	EI(1) 60 EI(2) 90 EW 120 E 240
B)	Smoke control *	S _a - S ₂₀₀
C)	Ability to release	Released
D)	Self-closing	C
E)	Durability of ability to release	Released maintained
F)	Durability of self-closing; * - against degradation - against ageing	Class 1 – 5 achieved
9 The performance of the product according to 1 and 2 corresponds to declared performance according to 8. The manufacturer according to 4 alone is responsible for the creation of this declared performance. Performances marked with * are depending on the purchased configuration; the final DoP will be send with the delivery of the order.		

Self-closing drives

Every industrial fire-resistant door must close in the event of a fire alarm, regardless of the presence of power. This principle of mechanical failsafe closure is part of the CE marking in accordance with EN 16034. All our motorized fire doors, which are in an open position as standard, are equipped with a failsafe drive, as required by EN 14637. Electrical failsafe (for example using only a UPS battery) is not permitted for open doors. In addition, these fire doors are always equipped with optical/acoustic signals, as mandated in EN 12604.

Gravity fail safe closing tubular motors

We apply a self-closing 230 V tubular motor to our fire rated roller curtains and optionally to small-sized fire rated roller shutters and sectional doors. These are supplied as standard in combination with a control box that is equipped with a connection option to a fire alarm system.



At the moment of a fire alarm, power failure or a combination of both, the door will close under controlled gravity. Optionally, it is possible to place a UPS / battery (emergency power supply) between the power supply and the control box, which leaves the door open in the event of a power failure. When there is a fire alarm or the battery reaches a minimum voltage level, the door will still close in a controlled way. In all cases of gravity closure, the optical / acoustic alarms will also be activated.

Gravity fail safe chain wheel drives

We apply a self-closing 400 V chain wheel drive to our fire rated roller shutters and sectional doors. These are supplied as standard in combination with a control box in which a battery is integrated and that is equipped with a connection option to a fire alarm system.



At the moment of a fire alarm, the door will close in a controlled way. In the event of a power failure, the battery in the control box will energize the drive brake and leave the door open. When there is a fire alarm or the battery is at low voltage, the door will close in a controlled way. In the event of a combination of a fire alarm and power failure, the door will close by controlled gravity.

When the door closes by gravity, the optical / acoustic alarms will also be activated. Any protections on the door, such as a set of light curtains, are always overruled when a door closes due to a fire alarm or power failure.

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Burglary-resistant roller shutters or roller grilles

In addition to the extensive range of fire doors, Metacon-Next is also a manufacturer and supplier of burglar-resistant products.

If you are interested in burglary-resistant roller shutters or roller grilles, visit our website and download the brochure.



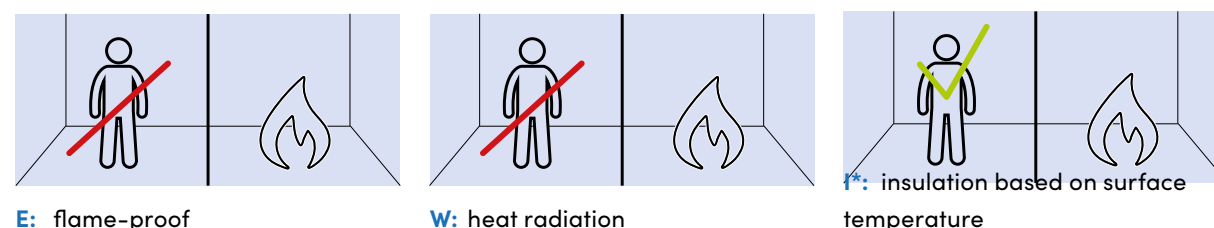
Explanation of terms

General

CE Conformité Européene
DoP Declaration of Performance

EN 13241 European Norm of product standard for industrial doors
EN 16034 European Norm of product standard industrial doors with fire and / or smoke resistant characteristics
EN 14637 European Norm for closing electrically open industrial doors
EN 12604 European Norm regarding the application of signals on gravity self-closing doors

Fire resistance



* distinction between I (1) and I (2), based on positioning of thermocouples during fire test (I1 at more difficult positions;
I is $\Delta T < 140^\circ \text{ avg}$ and $\Delta T 180^\circ \text{ max}$)

EN 1634-1 European Norm for fire resistance

EN 13501-1 Classification standard with regards to fire behavior
EN 13501-2 Classification standard with regards to fire resistance

Smoke resistance

EN 1634-3 European Norm for smoke resistance

S_a European classification for smoke resistance, cold smoke at ± 20 degrees Celsius
S₂₀₀ European classification for smoke resistance, hot smoke at ± 200 degrees Celsius

Burglary resistance

EN 1627 t/m 1630 European Norm burglar resistance
RC Resistance Class

MANUAL TESTS - ATTEMPTED FORCED ENTRY (EN 1630)							
class	burglar	static tests (EN 1628)	static tests (EN 1629)	tool set	illustration of some tools	contact duration	total test duration
RC1	occasional	300 kg	50 kg 450 mm	small simple tools, physical force		-	-
RC2	occasional	300 kg	50 kg 450 mm	above + simple tools (screwdriver, pliers, wood/plastic wedges, saws)		3 min	15 min
RC3	moderate	600 kg	50 kg 750 mm	above + additional screwdrivers, crowbar, small hammer, hand drill, drift pin		5 min	20 min
RC4	experienced	1000 kg	-	above + heavy hammer, axe, wood chisel, metal chisel, bolt-cutter, hand chisel and portable drill		10 min	30 min
RC5	experienced	1500 kg	-	above + electric tools (drill, portable jigsaw, sabre saw, angle grinder)		15 min	40 min
RC6	experienced	1500 kg	-	above + sledgehammer, steel wedge, powerful electric tools (grinder, impact hammer)		20 min	50 min

Sound insulation

NEN-EN-ISO 10140 Sound insulation test standards
R_w Reduction value (unit of measurement of airborne sound insulation)
dB Decibel

Wind pressure load

windklasse	wind pressure in Pascal (Pa)	wind speed in km/h	wind force in Beaufort
0	0	0	0
2	450	100	10
3	700	120	11
4	1.000	150	12
5	> 1.000	> 150	12

	CE		classification fire resistance according EN 13501-2 based on EN 1634-1																							
	EN 13241	EN 16034	E						I(1)						I(2)						W					
			30	60	90	120	240	360	30	60	90	120	240	360	30	60	90	120	240	360	30	60	90	120	240	360

Fire rated roller curtains																										
RGT EW 60 Compact	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	-	-	-
RGT EW 60	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	-	-	-
RGT EW 90	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	-	-	-
RGT EI(1) 45 / EI(2) 60 / EW 120	✓	✓	✓	✓	✓	✓	-	-	✓	-	-	-	-	-	✓	✓	-	-	-	-	✓	✓	✓	✓	-	-
RGT EI(1) 60 / EI(2) 120 / EW 120	✓	✓	✓	✓	✓	✓	-	-	✓	✓	-	-	-	-	✓	✓	✓	✓	-	-	✓	✓	✓	✓	-	-

Fire rated roller shutters																										
RGS EW 60	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	-	-	-
RGS EW 90	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	-	-	-
RGS EW 120	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	-	-
RGS EW 240	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	-
RGS EW 360 TWIN	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓
RGS EI(1) 30 / EI(2) 60	✓	✓	✓	✓	-	-	-	-	✓	-	-	-	-	-	✓	✓	-	-	-	-	✓	✓	-	-	-	-
RGC EI(1) 60	✓	✓	✓	✓	-	-	-	-	✓	✓	-	-	-	-	✓	✓	-	-	-	-	✓	✓	-	-	-	-

Fire rated sectional doors																										
OHD-C EI(1) 60 / EI(2) 90 / EW 90	✓	✓	✓	✓	✓	-	-	-	✓	✓	-	-	-	-	✓	✓	✓	-	-	-	✓	✓	✓	-	-	-
OHD-C EI(1) 120 / EW 120	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	-	-	✓	✓	✓	✓	-	-	✓	✓	✓	✓	-	-
OHD-C Sprint	✓	✓	✓	✓	✓	-	-	-	✓	✓	-	-	-	-	✓	✓	✓	-	-	-	✓	✓	✓	-	-	-

Fire rated sliding doors																										
SGC EI(1) 60 / EW 120	✓	✓	✓	✓	✓	✓	-	-	✓	✓	-	-	-	-	✓	✓	-	-	-	-	✓	✓	✓	✓	-	-

Fire rated hinged doors																										
LD Standard EI(1) 60 / EI(2) 120	✓	✓	✓	✓	✓	✓	-	-	✓	✓	-	-	-	-	✓	✓	✓	✓	-	-	✓	✓	✓	✓	-	-
LD Pro EI(1) 60 / EI(2) 120 / EW 240	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	-	-	-	-	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	-

* only for indoor / indoor situations in specific configuration

** performance achieved based on testing according to EN 1634-1, but no formal classification possible according to EN 13501-2

classification smoke resistance according EN 13501-2 based on EN 1634-3		classification bur-glary resistance according EN 1627-1628-1629-1630			classification sound insulation according NEN-EN-ISO 10140		field of application			mounting substrates			
S _a	S ₂₀₀	RC			dB		width in mm	height in mm	opening in m²	aerated concrete	concrete	fire-resistant steel construction	metal stud
		2	3	4									

-	-	-	-	-	-	-	10.000	8.000	80	✓	✓	✓	✓
-	-	-	-	-	-	-	8.000	8.000	48	✓	✓	✓	✓
-	-	-	-	-	-	-	6.000	6.000	19,25	✓	✓	✓	✓
✓***	✓***	-	-	-	-	-	7.000	7.000	± 35	✓	✓	-	-
✓***	✓***	-	-	-	-	-	7.000	7.000	± 24,5	✓	✓	-	-

-	-	-	-	-	-	-	9.000	9.000	± 70	✓	✓	✓	-
-	-	-	-	-	-	-	9.000	9.000	± 18-29	✓	✓	✓	-
-	-	-	-	-	-	-	9.000	9.000	± 14-25	✓	✓	✓	-
-	-	-	-	-	-	-	9.000	9.000	± 45	✓	✓	✓****	-
-	-	-	-	-	-	-	9.000	9.000	± 70	✓	✓	✓****	-
-	-	-	-	-	-	-	9.000	9.000	± 45	✓	✓	✓	-
-	-	-	✓	✓	✓	32 / 34	9.250	8.000	± 35	✓	✓	✓	-

✓	-	✓	✓	-	✓	30 / 32	5.175	6.967	23,5	✓	✓	✓	-
-	-	✓	✓	-	✓	29	5.175	6.967	23,5	✓	✓	✓	-
-	-	✓	✓	-	✓	30 / 32	4.000	4.500	10	✓	✓	✓	-

✓	-	-	-	-	-	-	5.450	6.750	25	✓	✓	✓	-
---	---	---	---	---	---	---	-------	-------	----	---	---	---	---

-	-	-	-	-	-	-	2.500	2.500	6,25	✓	✓	-	-
✓	✓	-	-	-	-	-	2.497	2.928	7,31	✓	✓	-	-

*** limitation in dimensions for version S_a and S₂₀₀

**** only if required fire resistance does not exceed > 120 minutes



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