



NOVODOOR

ROLL FORMED
GALVANIZED STEEL
ROLLER SHUTTER



info@novodoor.com



www.novodoor.com



GENERAL FEATURES

The highly versatile and cost effective classic roller shutter model are supplied in standard sizes or special sizes to meet your requirement. The elegant profile design of galvanized steel shutters makes your shutter more recognizable of your premises. Our doors are robust and have a long life with little maintenance required.

Galvanized steel roller shutters are an economical product of providing a secure and weatherproof closure to large or small openings for both internal and external applications. The equipped safety devices prevent people and goods injuring and damaging when the door is used.

Application in indoor / outdoor for warehouses, factories, large commercial buildings, car parks, shopfront and any applications where security is required and represent a reliable and efficient closure for most applications. In addition to these, double-skinned insulated steel (NS100 model) roller shutters are suitable for industrial buildings, loading bays, airports, canteens, restaurants, shopping mall, car parks, department stores and other areas where a high level of security is required as well as a high degree of insulation.

NOVODOOR's roller shutters have been preferred on many prestigious projects both national and international markets for 26 years. We supply and service a range of doors to suit any commercial, retail or industrial building. We are happy to discuss any application requirement and the standard required for each door in your place and project.

TECHNICAL SPECIFICATIONS

Profile / Curtain

*Profile/curtain made of galvanized interlocking roll-formed steel, single-skin, with perforated or non-perforated profile, 80mm curved slat or 110mm flat slat, sheet thickness from 0,80 mm to 1,20 mm. The profile/curtain allows ventilation (appx 25% air passage) and/or provide through visibility while maintaining the necessary security.

**Profile/curtain made of galvanized interlocking roll-formed steel, double-skinned thermally insulated profile, 100mm flat slat, 77mm and 90mm curved slat, sheet thickness 2,00mm, nominal thickness 18,5mm and 24mm. The profile/curtain is filled with rock wool or polyurethane foam to provide good heat and sound insulation.

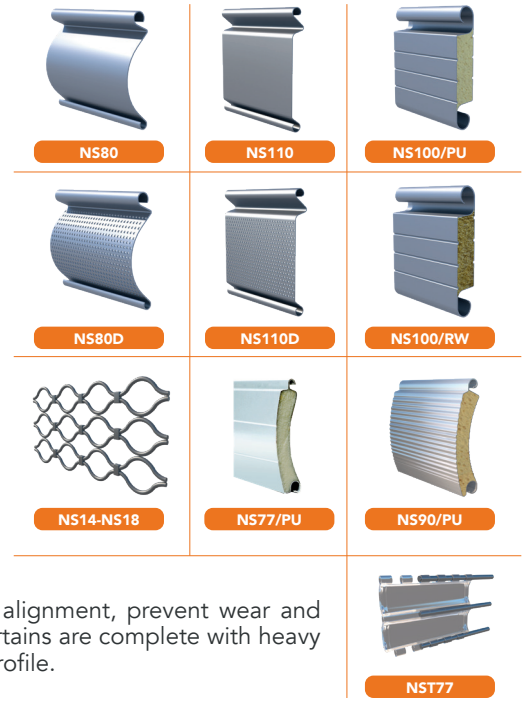
***Profile/curtain made of galvanized steel or stainless steel or aluminium in curved diamond shape tube profile 1,00mm or 1,20mm thickness and connected with coupling links 3,00mm thickness. The profile/curtain provide maximum visibility, ventilation and security while maintaining the necessary security.

****Profile/curtain made of polycarbonate (PCP) material, single-skin, 77mm flat slat, 3,00mm nominal thickness. It is full transparent, ultra light compared to steel profile, unbreakable, stainless, fire retardant, 100% protection against UV rays. integrated with Ø16 2,00mm aluminium pipe profile. The profile/curtain provides an aesthetic appearance day and night, while maintaining the necessary security.

The galvanized or plastic end locks riveted to the slats maintain profiles/curtains alignment, prevent wear and secure against displacement/lateral movement. All NOVODOOR shutter profiles/curtains are complete with heavy duty galvanized steel profile or aluminium extrusion deflection-resistant bottom profile.

BENEFITS

- Perfect product where security is needed.
- Great appearance and vision
- Incredibly secure and durable
- Protection of the property from external factors.
- Protection of your place from noise
- Brilliant visual deterrent
- Protection of your place from the sun, rain, snow
- Energy saving, reduce losses heat in winter and cool in summer
- Manual override system in case of a power or motor failure
- Compact size for easy installation
- Saving maximum space
- A wide range of RAL colours



| Depth mm | Profile Construction | Application for |
|----------|---|--|
| 80 | *Galvanized steel single-skin - curved | Where durability, aesthetics and security is required |
| 80 | *Galvanized steel (perforated) single-skin - curved | Where visibility, ventilation and security is required |
| 110 | *Galvanized steel single-skin - flat | Where durability, aesthetics and security is required |
| 110 | *Galvanized steel (perforated) single-skin - flat | Where visibility, ventilation and security is required |
| 100 | **Galvanized steel double-skinned - flat -with PU | When insulation & accoustic value are required |
| 100 | **Galvanized steel double-skinned - flat -with RW | When insulation & accoustic value are required |
| 77 | **Galvanized steel double-skinned - curved -with PU | When insulation & accoustic value are required |
| 96 | **Galvanized steel double-skinned - curved -with PU | When insulation & accoustic value are required |
| Ø14/ Ø16 | ***Galvanized steel tube and link grille | Where maximum visibility, ventilation and security is required |
| 77 | ****Polycarbonate - flat | Where durability, aesthetics and security is required |

Technical support will be provided to the construction site after order confirmation.

Headquarters Reşitpaşa Mh. Denizbank Sit. Sk. No: 12, Sarıyer / İstanbul **Factory** Adnan Kahveci Mh. Çankaya Cd. Simay İş Merkezi No: 3 Kapı No: 1-2, Beylikdüzü / İstanbul

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Side Guides

Side guides rails made of galvanized steel U type profiles, 60x70x2 mm or 60x120x3 dimension made by press break bending method and have plastic strips for sealing & brush for quiet movement and less vibration at the both sides.

Roller / Barrel

The roller / barrel comprises a seamless tube of suitable diameter and thickness to avoid deflection. Steel shafts and discs are inserted at each end and the whole assembly is supported at each end on the end brackets.

Bottom Rail

Bottom rail made of galvanized steel profile or aluminium extrusion deflection-resistanant bottom profile. The flexible and elastic whether rubber seal for optimal compensation of floor irregularities which prevent penetration of rain, water, dust and dirty.

Endplates

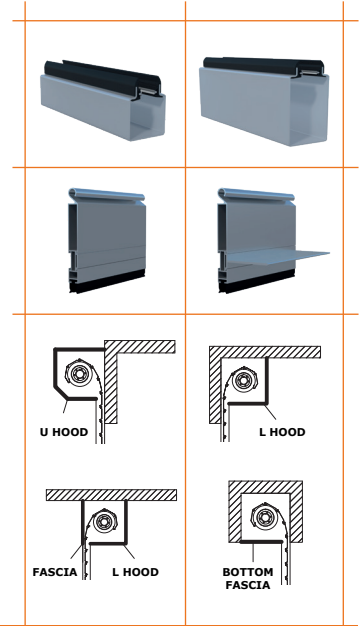
Manufactured from galvanized steel of adequate thickness between 3,00 mm and 5,00 mm with special steel bending design, relative to door size and supplied with steel plates for fixing to the structure.

Hood - Fascias

Galvanized steel hoods (U or L shaped) and fascias can be supplied to cover the coiled shutter and motor. Where required, a fascia can be fitted to give an aesthetic finish to the product.

Finish

NOVODOOR shutters are finished in standard galvanised steel. Polyester powder coat in a range of standard RAL colour are available on request.



Control Systems

Manual Roller Shutter Control:

A crank and chain operator for emergency opening installs a detachable hand drive in your automatic roller garage door and several spaces to open the door in case of power failure.

Wireless Roller Shutter Remote Control:

A wide range of NOVODOOR automatic devices for the operation of roller shutters allowing eas, convenient control. Radio remote control system offers high security with the encrypted rolling code whilst allowing multi-users into the building.

Wired Roller Shutter Control:

Standard controls are open/close push buttons or keyswitches, mounted internally or externally, surface or recessed mounted types. Keyswitches provide a secure, safe and easily operable method of door operation for authorised users. the keyswitch operates electrically operated shutters by inserting and turning the key.

Control Panel Box:

Surface-mounted type control unite in a metal box with integrated keypad up-stop-down on the drive side with hold to run button at handy height. The technical specifications of the control panels are also equipped according to the motor powers to be used.

Several electrical options can be integrated into the control pannels or the security management system or automatic pass system. A variety of controls is optionally available including passive motion sensors, traffic lights, timer, hand sensors, induction loops, radio remote controls, photocells, safety beam sensors, lighth curtains, push bottons, safe edges, remote monitoring system, battery back-up and audio-visual sound warming.

Roller Shutter Options

Wicket Doors Next to Roller Shutter:

Where pedestrian access is needed in larger shutters, wicket doors reduce the need to raise the whole door for pedestrian access and reduces the amount of heat lost. Wicket doors are constructed from the same materials as the shutters to give good aesthetics whilst maintaining a robust and durable door.

Stainless Steel Roller Shutter:

For areas where a clean environment or high corrosion resistance is necessary, various models stainless steel roller shutters are available.

Wind Load Resistance Roller Shutter:

The combination of NS100 profiles with reinforced parts and the guide rails provide the high wind load resistance of the curtain.



Maximum Sizes 16,000mm wide x 8,000mm high

(Please contact us to discuss if there is a requirement beyond these dimensions)



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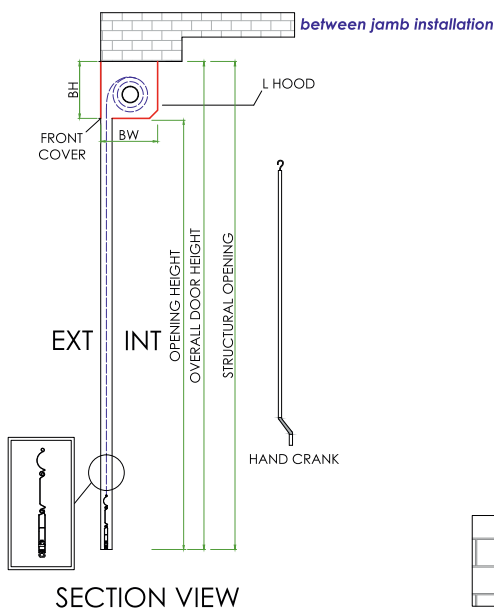
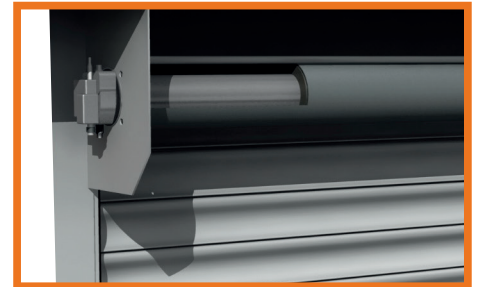
Available Controls and Accesories (at additional cost)

| | | | | | |
|---|--|---|---|---|---|
|  | Basic Automatic Control Box <i>For Normal Shutter</i> |  | Basic Automatic Control Box <i>For Fire Shutter</i> |  | 1-Button Input Unite |
|  | 2-Button Input Unite <i>Up - Down</i> |  | 3-Button Input Unite With Stop Function <i>Up-Stop-Down</i> |  | 3-Button Input Unite With Stop Function + Key Switch, <i>Up-Stop-Down</i> |
|  | Wall Brackets Transmitter |  | Push Button (Standard) |  | Key Switch, Two-Side Contact <i>Recessed & Surfaced</i> |
|  | Crank Handle |  | Manuel Safety Brake Sand Control Box |  | Side Lock With Keys |
|  | Radar Motion Detector |  | Flashing light |  | Traffic light <i>Red/green</i> |
|  | Photocell Light Curtain |  | Photocell Safety Beam Sensor |  | Safety photocell <i>with reflector</i> |
|  | Hand Transmitters Remote Controller <i>2 or 4 Channels</i> |  | Receiver of Remote Controller |  | Functional Motor Control Card |
|  | Digital Access Control System |  | Vehicle Detection System |  | Wireless or Wired Radio Code Switch |
|  | Safety Catch Device for Roller Shutter Drives |  | No Touch Hand Sensor |  | Mifare Reader and Touch-Pasword Panel |
|  | Funchtional UPS |  | Pull Switches Construction |  | Induction loop detector <i>In separate housing</i> |



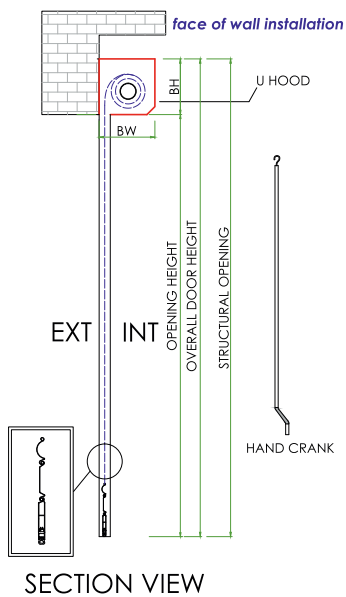
TUBULAR OPERATOR

230 V - 1 Phase, 50/60 Hz motor voltage supply
 Wide range of drive torque from 60 Nm up to 300 Nm
 Manual operation in case of power failure with hand crank
 Motor is inside the roller tube
 Located any side of roller shutter
 Minimum 50 mm space required on motor side

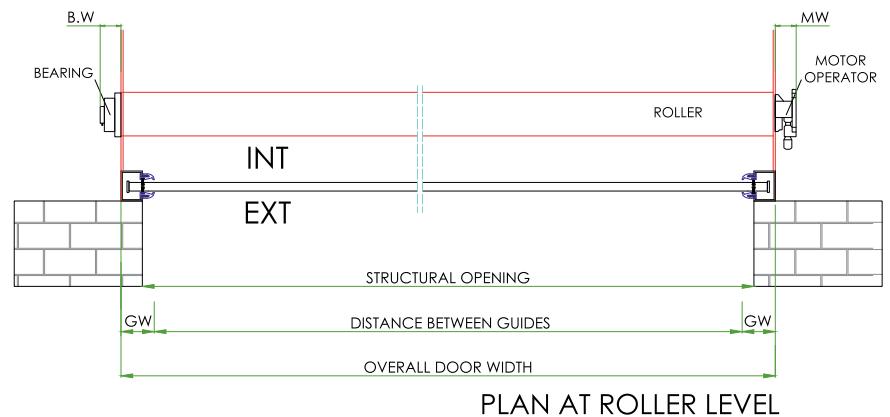
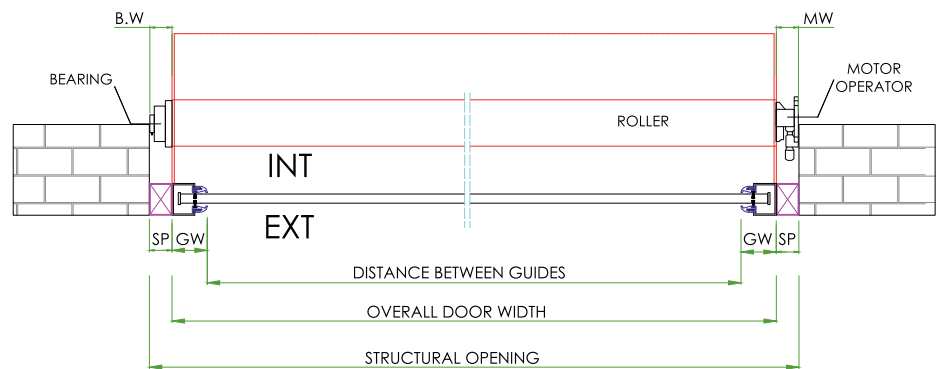


Galvanized Steel Hood Dimension

| Hood Dimension U & L Shape | | Fascia Dimension I Shape | |
|-------------------------------|--------|-----------------------------|--------|
| BW | BH | BW | BH |
| 300 mm | 300 mm | - | 300 mm |
| 350 mm | 350 mm | - | 350 mm |
| 400 mm | 400 mm | - | 400 mm |
| 440 mm | 440 mm | - | 440 mm |



BW : BRACKET WIDTH
 BH : BRACKET HEIGHT
 GW : GUIDE WIDTH
 MW : MOTOR WIDTH
 B.W : BEARING WIDTH
 SP : STEEL PROFILE



External roll is possible depending on site conditions For custom solutions, please contact our Project Sales Team

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DIRECT DRIVE (BOX) OPERATOR

230 V - 1 Phase, 50/60 Hz motor voltage supply
Wide range of drive torque for 200 Nm

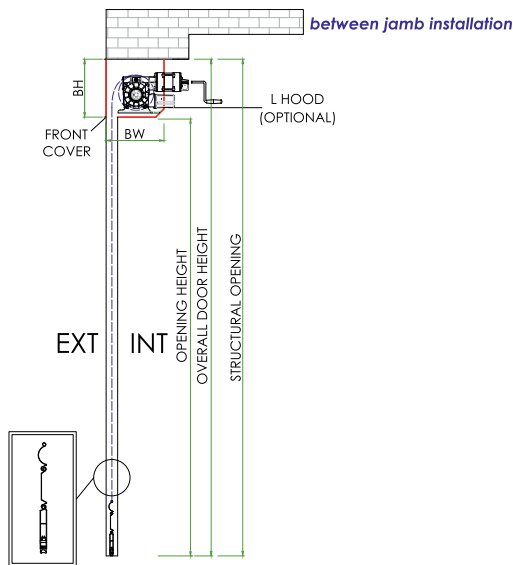
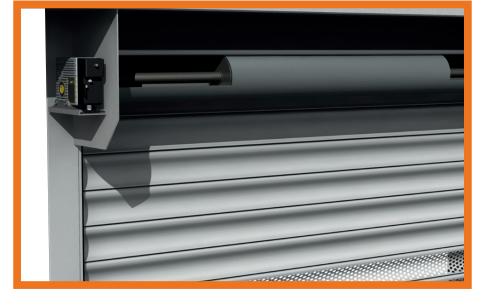
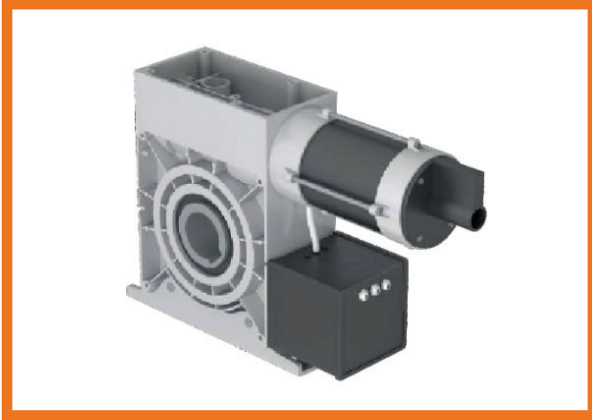
400 V - 3 Phase, 50/60 Hz motor voltage supply
Wide range of drive torque from 200 Nm up to 1400 Nm

Manual operation in case of power failure with hand crank or hand chain
Maintenance free safety catch device can be integrated

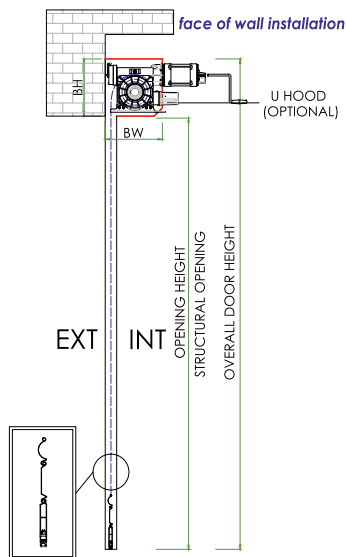
Compact design and thermal protection
Can be used with extreme dimensions

Located any side of roller shutter

Minimum 150 mm space required on motor side



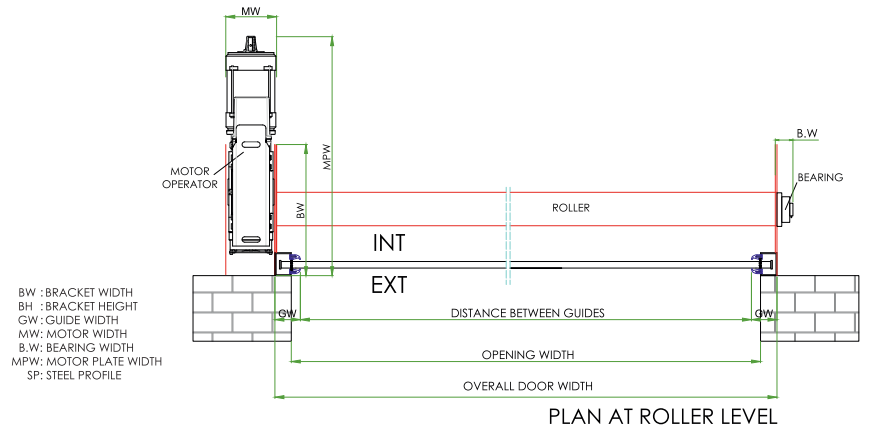
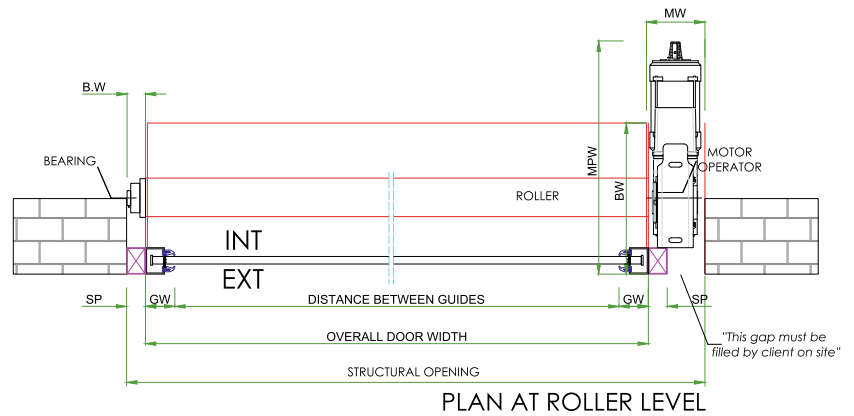
SECTION VIEW



SECTION VIEW

Galvanized Steel Hood Dimension

| Hood Dimension U & L Shape | | Fascia Dimension I Shape | |
|----------------------------|--------|--------------------------|--------|
| BW | BH | BW | BH |
| 300 mm | 300 mm | - | 300 mm |
| 350 mm | 350 mm | - | 350 mm |
| 400 mm | 400 mm | - | 400 mm |
| 440 mm | 440 mm | - | 440 mm |



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MW : MOTOR WIDTH
B.W : BEARING WIDTH
MPW : MOTOR PLATE WIDTH
SP : STEEL PROFILE

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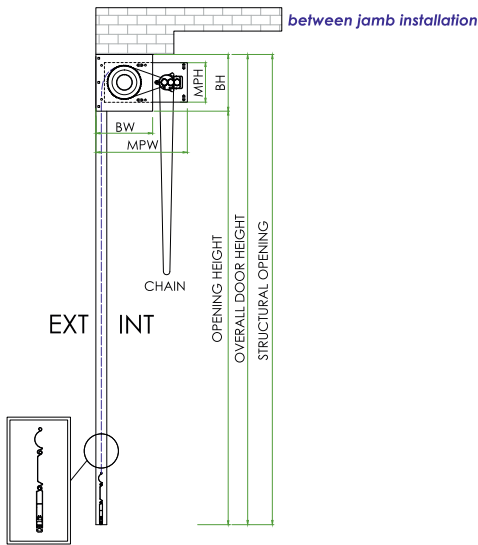
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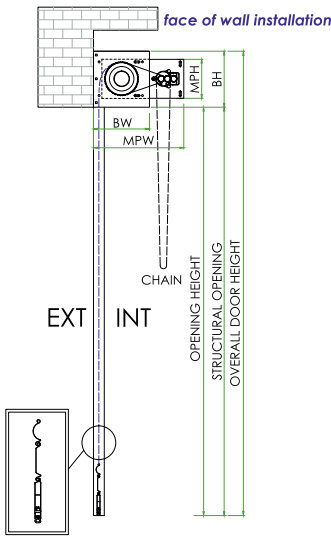


CHAIN DRIVE OPERATOR

- 230 V - 1 Phase, 50/60 Hz motor voltage supply
- Wide range of drive torque from 225 Nm up to 809 Nm
- 400 V - 3 Phase, 50/60 Hz motor voltage supply
- Wide range of drive torque from 1401 Nm up to 2450 Nm
- Manual operation in case of power failure with hand chain
- Cost effective solution for bigger size of roller shutters
- Maintenance free safety catch device can be integrated
- Slower opening and closing time
- Located any side of roller shutter
- Minimum 80mm space required on motor side



SECTION VIEW

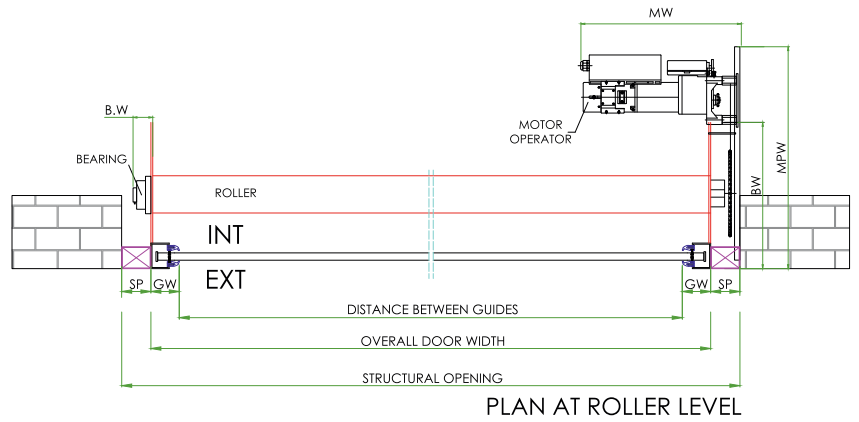


SECTION VIEW

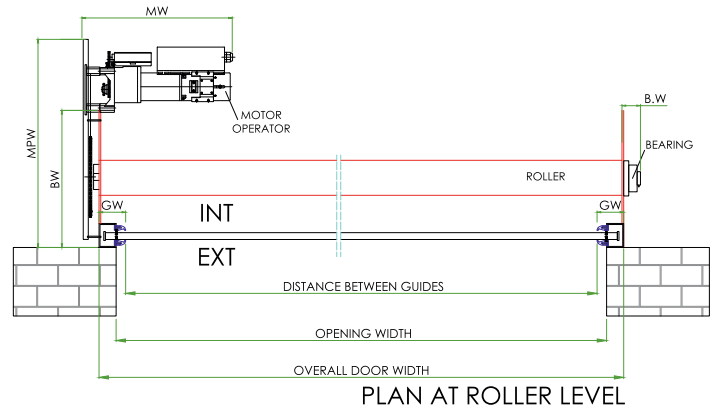
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Galvanized Steel Hood Dimension

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| 300 mm | 300 mm | - | 300 mm |
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| 400 mm | 400 mm | - | 400 mm |
| 440 mm | 440 mm | - | 440 mm |



PLAN AT ROLLER LEVEL



PLAN AT ROLLER LEVEL

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SPECIAL CHAIN DRIVE OPERATOR (EUROPEAN)

400 V - 3 Phase, 50/60 Hz motor voltage supply
Wide range of drive torque from 1650 Nm up to 20.000 Nm

Manual operation in case of power failure with hand crank or hand chain

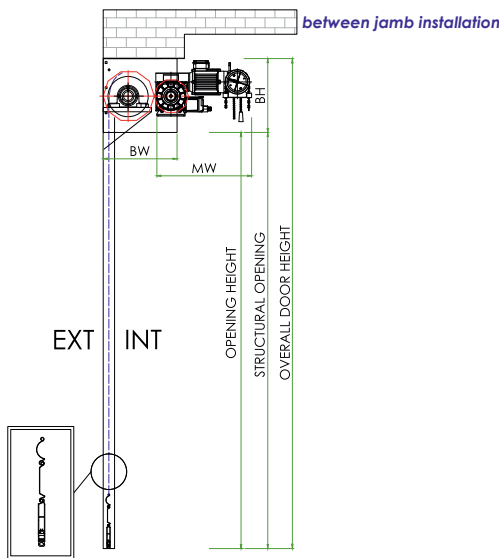
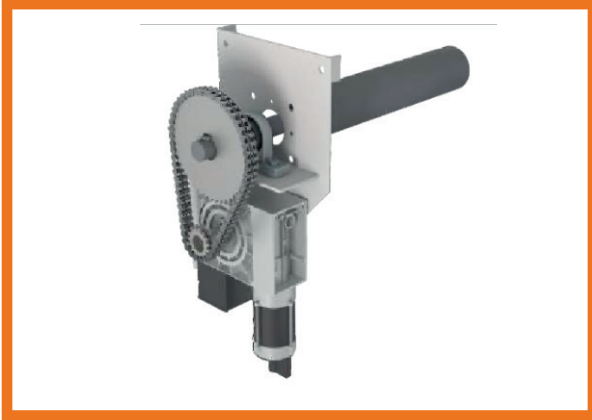
Custom versions such as different voltages and frequencies on request

To be used with extreme dimension roller shutters if the side motor range is not suitable
Must be used with suitable external safety catch device with integrated anti damping system

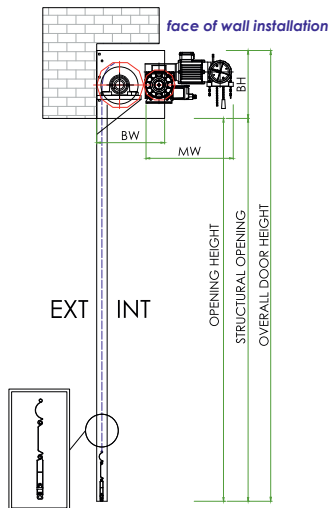
Relatively can be used frequently due to the door size

Powerful and robust technology, Standard opening and closing times

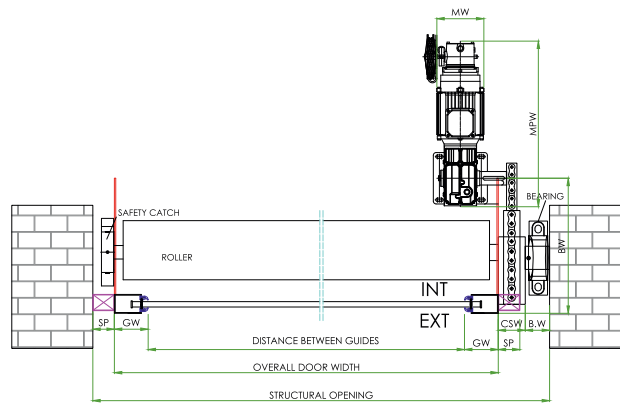
Located any side of roller shutter



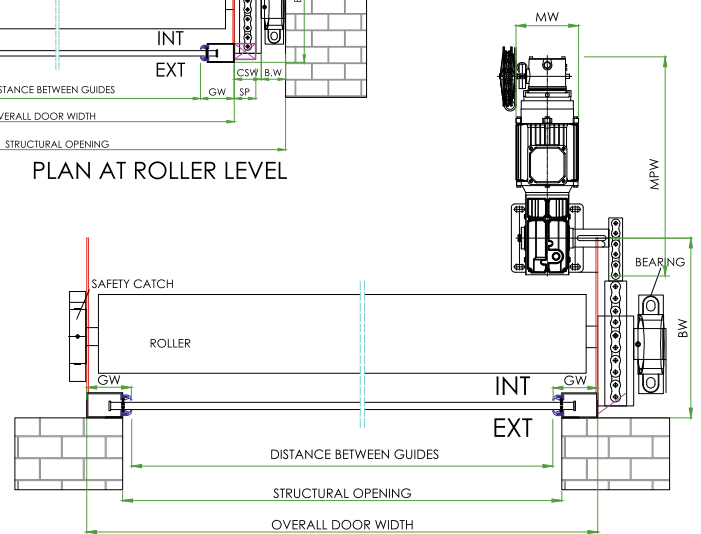
SECTION VIEW



SECTION VIEW



PLAN AT ROLLER LEVEL



PLAN AT ROLLER LEVEL

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MIPW : MOTOR PLATE WIDTH
CSW : CHAIN SYSTEM WIDTH
SP : STEEL PROFILE

| Galvanized Steel Hood Dimension | | | |
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| 440 mm | 440 mm | - | 440 mm |

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