



PRO
DOOR
SYSTEMS

ROLL FORMED GALVANIZED STEEL ROLLER SHUTTER



info@prodoor-systems.com



www.prodoor-systems.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.

ProDoor Systems 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.

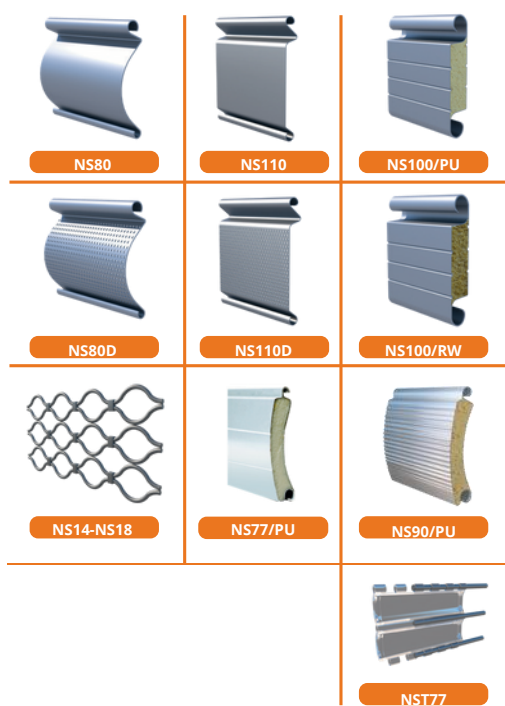
**Profile/curtain made of galvanized interlocking roll-formed steel, double-skinned thermally insulated profile, 100mm flat slat, 77mm and 90mm curved slat, sheet thickness 2,00mm, nominal thickness 18,5mm and 24mm. The profile/curtain is filled with rock wool or polyurethane foam to proved good heat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

***Profile/curtain made of galvanized steel or stainless steel or aluminum 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 aluminum 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 **ProDoor Systems** shutter profiles/curtains are complete with heavy duty galvanized steel profile or aluminum extrusion deflection-resistanant 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 colors



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 & acoustic value are required
100	**Galvanized steel double-skinned - flat -with RW	When insulation & acoustic value are required
77	**Galvanized steel double-skinned - curved -with PU	When insulation & acoustic value are required
96	**Galvanized steel double-skinned - curved -with PU	When insulation & acoustic 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.

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

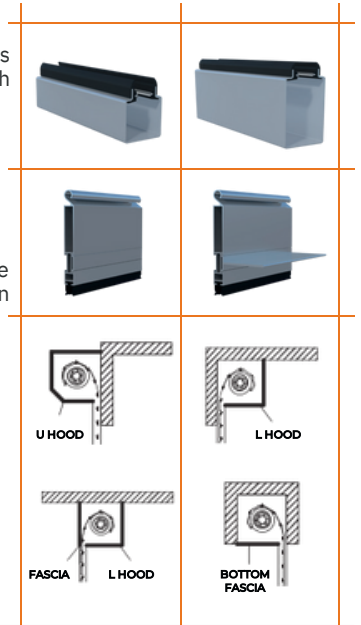
Manufactured from galvanized steel of adequate thickness between 3,00 mm and 5,00 mm with special steel bending design, relative to door size and supplied with steel plates for fixing to the structure.

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

ProDoor Systems shutters are finished in standard galvanized steel. Polyester powder coat in a range of standard RAL colour are available on request.



Control

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 ProDoor Systems 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 bottoms, safe edges, remote monitoring system, battery back-up and audio-visual sound warning.

Roller Shutter

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:

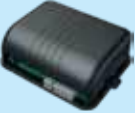
The combination of NS100 profiles with reinforced parts and the guide rails provide the high wind load resistance of the curtain.



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

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

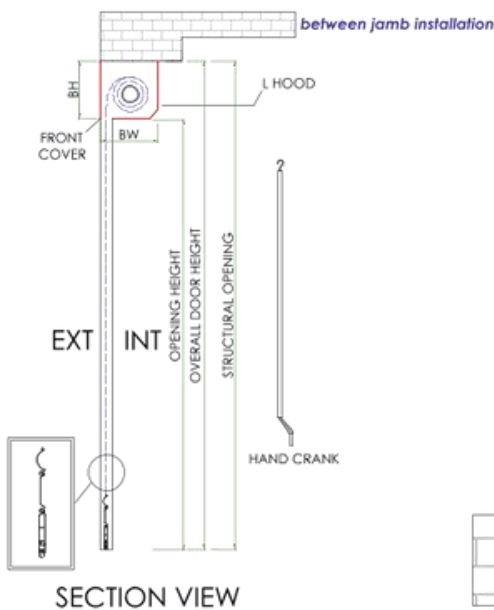
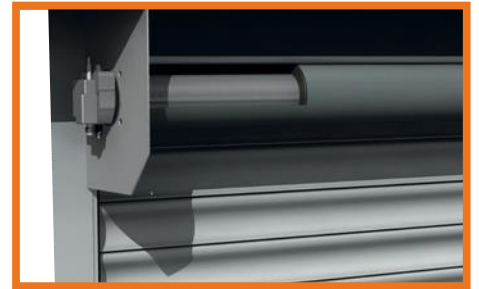
Available Controls and Accesories (at additional cost)

	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>		Receier 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 <i>Construction</i>		Induction loop detector <i>In separate housing</i>



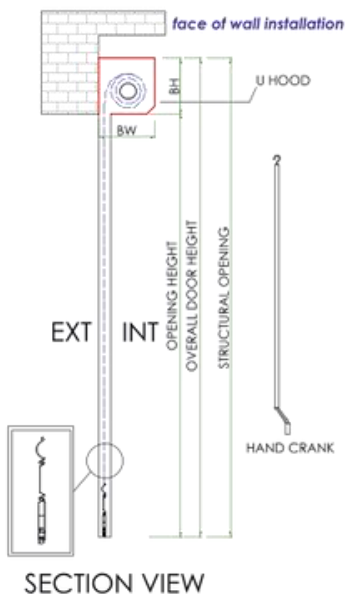
TUBULAR OPERATOR

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

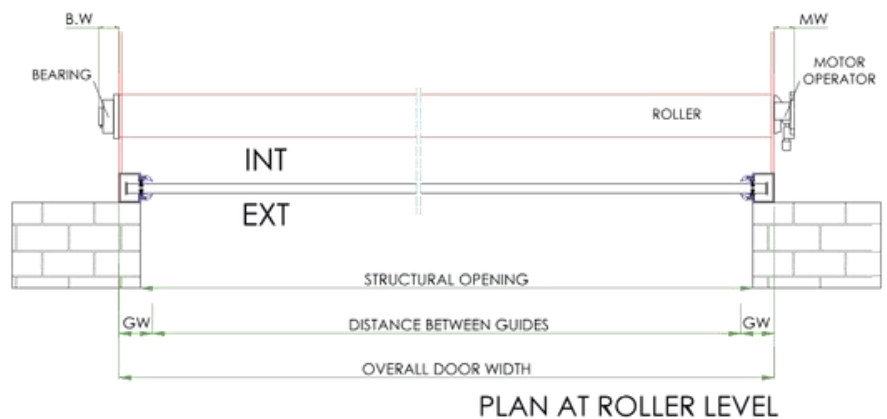
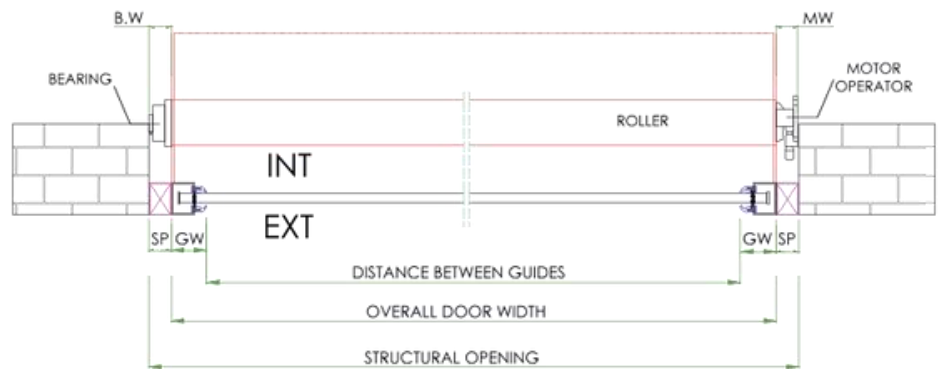


Galvanized Steel Hood Dimension

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

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

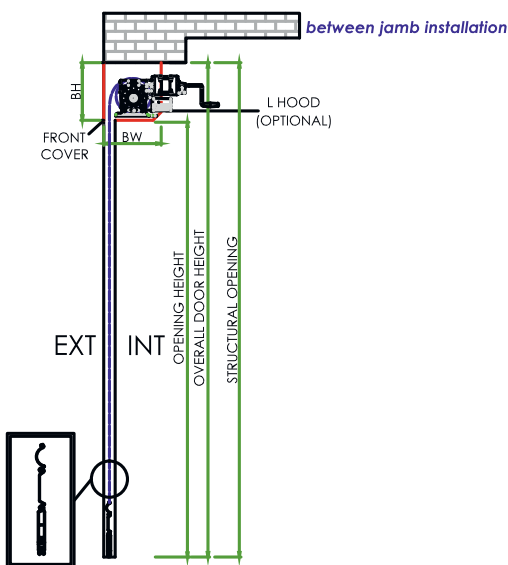
Maintenance free safety catch device can be integrated

Compact design and thermal protection

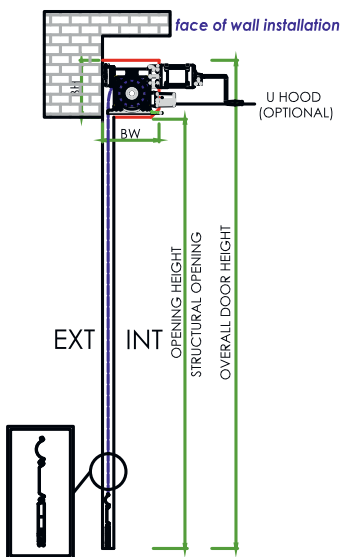
Can be used with extreme dimensions

Located any side of roller shutter

Minimum 150 mm space required on motor side



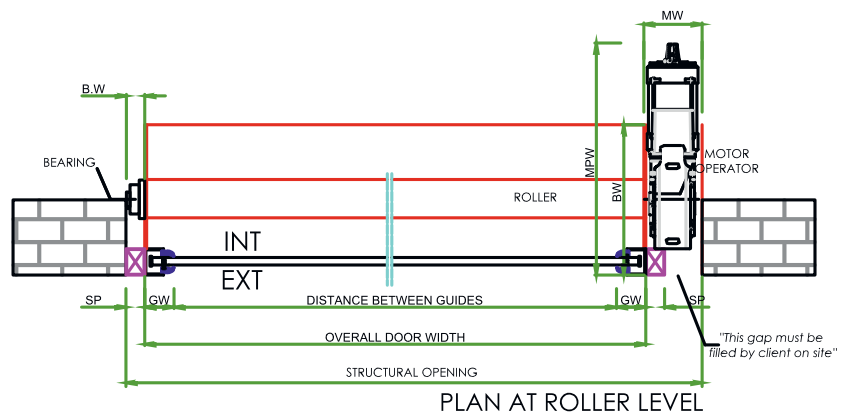
SECTION VIEW



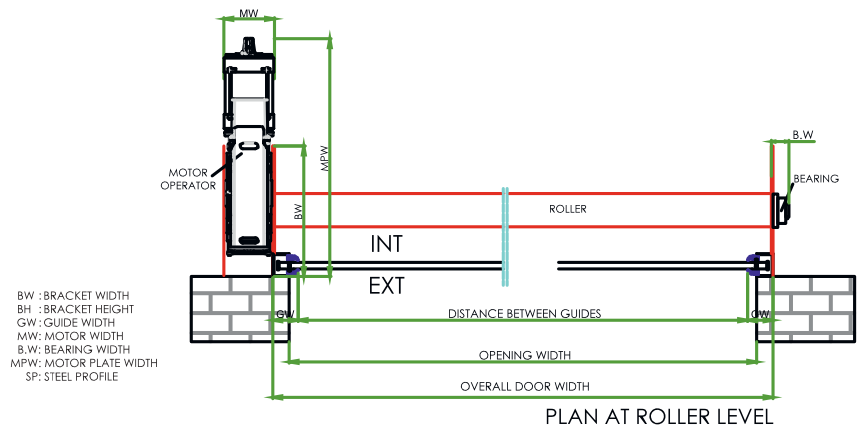
SECTION VIEW

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



PLAN AT ROLLER LEVEL



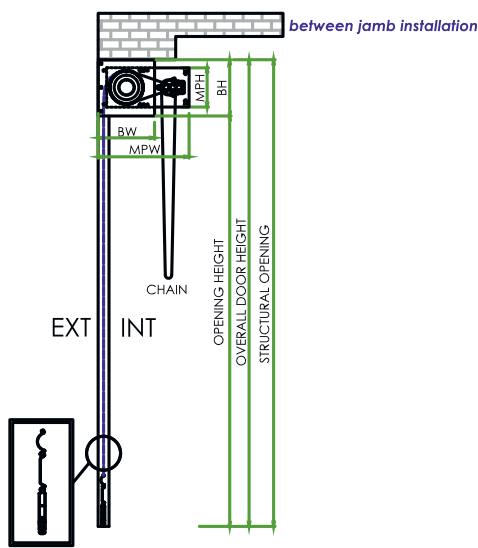
PLAN AT ROLLER LEVEL

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

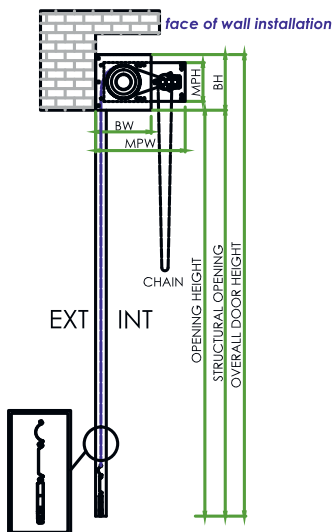
External roll is possible depending on site conditions For custom solutions, please contact our Project Sales Team

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

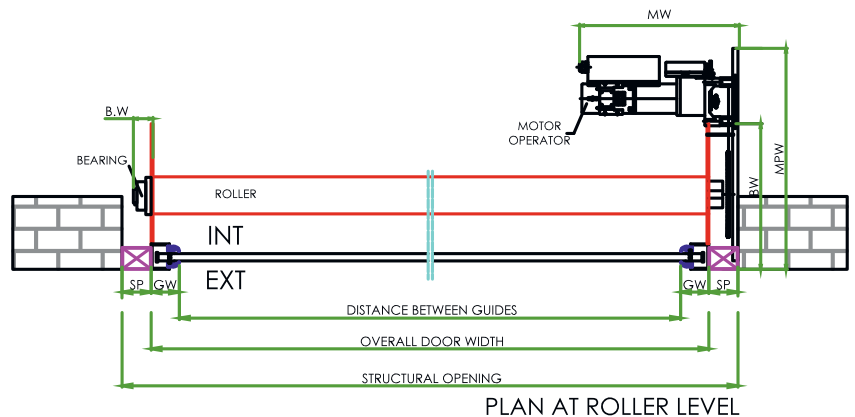


SECTION VIEW

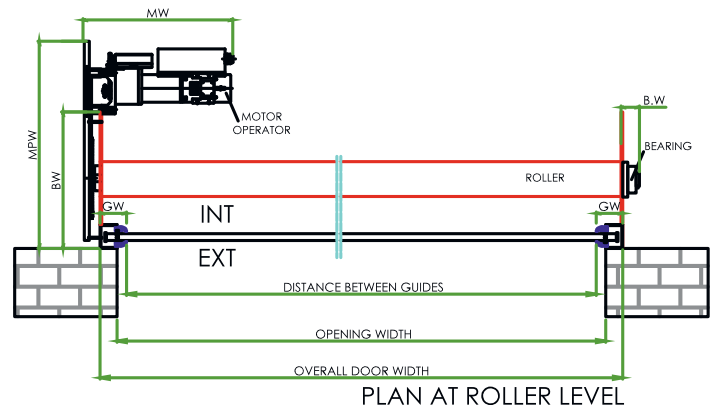
BW : BRACKET WIDTH
BH : BRACKET HEIGHT
GW : GUIDE WIDTH
MW : MOTOR WIDTH
B.W : BEARING WIDTH
MPW : MOTOR PLATE WIDTH
MPH : MOTOR PLATE HEIGHT
SP : STEEL PROFILE

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



PLAN AT ROLLER LEVEL



PLAN AT ROLLER LEVEL

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

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

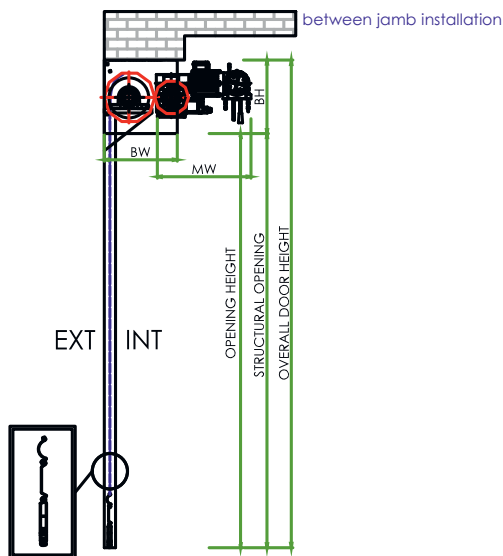
To be used with extreme dimension roller shutters if the side motor range is not suitable

Must be used with suitable external safety catch device with integrated anti damping system

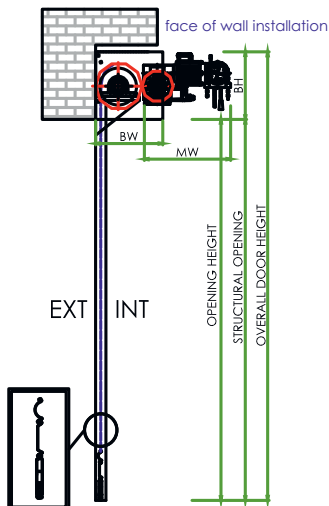
Relatively can be used frequently due to the door size

Powerful and robust technology, Standard opening and closing times

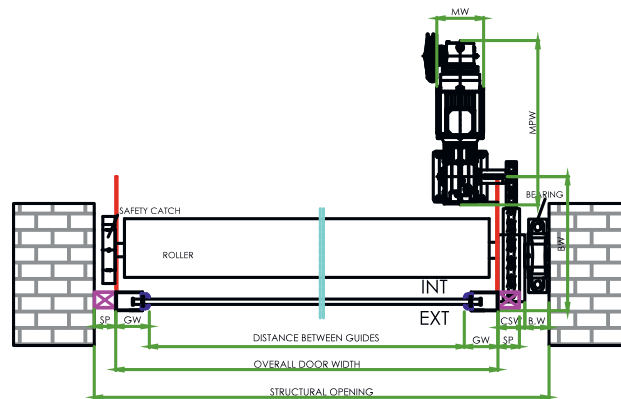
Located any side of roller shutter



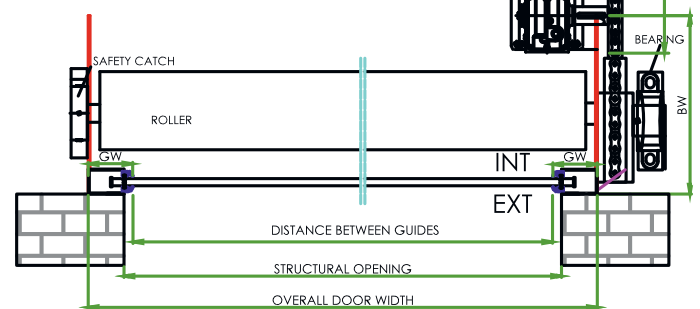
SECTION VIEW



SECTION VIEW



PLAN AT ROLLER LEVEL



PLAN AT ROLLER LEVEL

BW: BRACKET WIDTH
BH: BRACKET HEIGHT
GW: GUIDE WIDTH
MW: MOTOR WIDTH
MPW: MOTOR PLATE WIDTH
CSW: CHAIN SYSTEM WIDTH
SP: STEEL PROFILE

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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