

M2M



CW PRODUCTS
MADE TO MEASURE
ROLLER SHUTTER CATALOGUE



2020 ISSUE



CW PRODUCTS
SHUTTER AND AUTOMATION SOLUTIONS

Why CW Products is Australia's Leading Supplier of Made To Measure Roller Shutters & Home Automation Products

If you're in the Roller Shutter or Home Automation business, you really should consider CW Products for the supply of your made to measure roller shutters, roller shutter accessories and home automation products!

CW Products is one of Australia's leading manufacturers and wholesale suppliers of high quality roller shutter products, aluminium plantation shutters, external venetian blinds and aluminium fixed louvres.

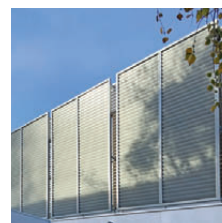
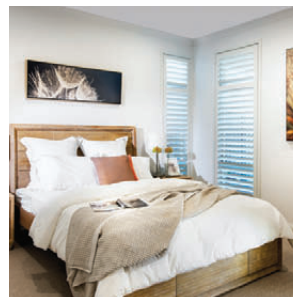
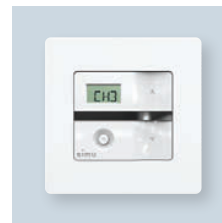
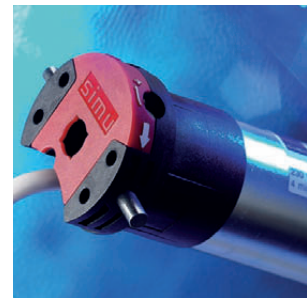
With state-of-the-art manufacturing facilities and processes, coupled with over 35 years manufacturing experience, we take pride in supplying the Australian market with the highest quality and widest range of roller shutter products and other aluminium window furnishings.

CW Products also supplies some of the world's best automation products and solutions for awnings, blinds, roller shutters and home cinema projection screens.

Whether you are an installer, manufacturer or retailer, CW Products can help your roller shutter business become more efficient by saving you time and money. Why not reduce your labour costs, machinery maintenance costs and stock holdings?

At CW Products we manufacture the highest quality, precision-cut roller shutters and back our quality with exceptional service, industry-best technical support, marketing materials to help you sell, as well as always ensuring readily available supply of product across Australia! And all our roller shutters offer a 5 Year Guarantee.

With CW Products as your made to measure supplier, your Roller Shutter and Home Automation business will start rolling in!



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MADE TO MEASURE ROLLER SHUTTERS

42MM SINGLE LINE ROLLER SHUTTER

(Residential/Light Commercial)



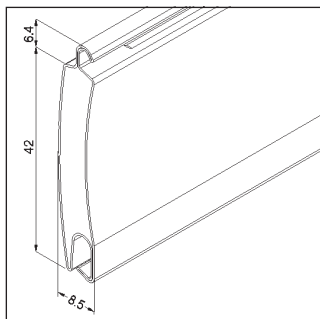
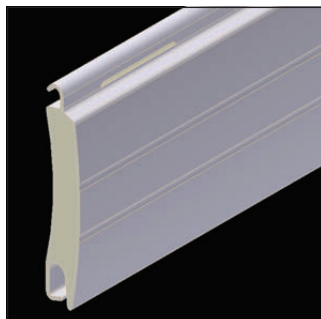
This roller shutter range is made with a precision roll formed roller shutter profile.

SUITABLE APPLICATIONS

- Domestic Windows.
- Domestic Doorways.
- Light Commercial Shop Fronts & Windows.
- Counter Tops/Serveries.

FEATURES

- High quality aluminium alloy construction.
- Foam filled profile for additional strength and silent operation.
- High quality painted finish.
- Smooth and curved face profile.
- Roll-tight design.
- Wide range of colours.
- Double coated + lacquer for abrasion resistant finish.
- Machine inserted profile end clips providing extra shutter strength.
- High quality internal sealed bearings.
- Suitable for widths up to 3200mm.
- Can be manually operated or motorised.
- Made in Australia.



TECHNICAL SPECIFICATIONS

Maximum Shutter Width	3200mm
Maximum Shutter Height	2600mm
Maximum Surface Area	7m ²
Curtain Weight/Metre ²	3.2kg
Number Of Slats/Metre	24
Profile Slat Covering	42mm
Profile Slat Thickness	8.5mm
Axle Types	Octagonal Aluminium or Steel
Bottom Bar Dimensions	55mm x 8.5mm
Guide Dimensions	53mm x 22mm <small>(68mm x 22mm/15mm Guide Upgrade available at additional cost)</small>
Paint Finish	Polyurethane/Polyamide (PU/PA)
Inner Profile Foam Type	Poly Urethane (CFC Free)

General Note: All dimensions and colours are indicative only and may change without notice. Profile technical specifications and shutter performance may vary in certain applications, eg. wide applications with no solid structure behind the roller shutter. For more information please contact your CW Products representative.



MADE TO MEASURE ROLLER SHUTTERS

PELMET SIZES & MAXIMUM SHUTTER HEIGHT

Pelmet Box Size	Max. No. Of Slats	Max. Shutter Height (Including Pelmet)	Axle Size
150mm	31	1300mm	60mm
165mm	41	1700mm	60mm
180mm	52	2200mm	60mm
205mm	67	2850mm*	60mm
230mm	93	3900mm*	60mm

* Measurement exceeds recommended maximum shutter height. May be allowed if other technical specifications are met. Check with your local CW Products representative.

WIND SPEEDS & MAXIMUM SHUTTER WIDTH

Wind Speed m/sec	Wind Speed km/h	Max. Shutter Width	Max. Surface Area
11.2m/sec	40.32km/h	3200mm	9.7m ²
13m/sec	46.80km/h	3010mm	9.03m ²
15.8m/sec	56.88km/h	2550mm	7.65m ²
20.4m/sec	73.44km/h	2180mm	6.54m ²
25.9m/sec	93.24km/h	1990mm	5.82m ²
34.9m/sec	125.64km/h	1940mm	5.37m ²

ROLLER SHUTTER COLOUR OPTIONS

Profiles	Pelmets/Side Frames/Guides/Bottom Bars
Cream	Cream
Magnolia Cream	Magnolia Cream
Clear Beige	Clear Beige
White	White
Shale Grey	Shale Grey
Brown	Brown
Beige	Black
Green	Monument
Red	Woodland Grey
Bronze <i>TBD</i>	
Black	
Monument	
Silver	
Deep Ocean	
Woodland Grey	
Jasper	

Powder coated options available (additional charges apply)

TBD - Product to be discontinued in the future or when stock is depleted.

CONTROL OPTIONS

Manual Options



Strap Winder (Up To 20Kg)



Cord Winder (Up To 20Kg)



Steel Cable Winder (Up To 50Kg)



Strap Coiler (Up To 20Kg)



Cord Coiler (Up To 20Kg)



Spring Loaded With Key Lock

Motorised Options



Remote Control With SolarSmart™ Plus Automation 12V Motor



PowerSmart™ Control System With 12V Motor



Wall Switch With 240V Electric Motor



Remote Control With 240V Electric SIMU Hz Motor



Key Switch With 240V Electric Motor



Crank Handle With 240V Electric Manual Override Motor

To order please complete a [CW Products Made To Measure Roller Shutter Order Form](#).

MADE TO MEASURE ROLLER SHUTTERS

42MM DOUBLE LINE ROLLER SHUTTER

(Residential/Light Commercial)



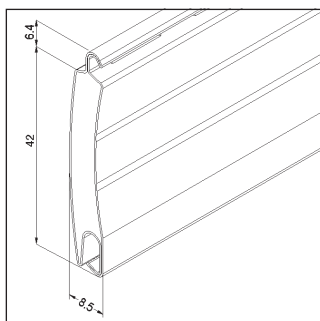
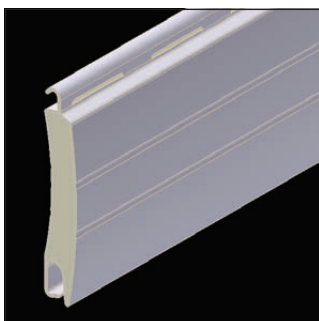
This roller shutter range is made with a precision roll formed roller shutter profile.

SUITABLE APPLICATIONS

- Domestic Windows.
- Domestic Doorways.
- Light Commercial Shop Fronts & Windows.
- Counter Tops/Serveries.

FEATURES

- High quality aluminium alloy construction.
- Foam filled profile for additional strength and silent operation.
- High quality painted finish.
- Double line grooved and curved face profile.
- Roll-tight design.
- Wide range of colours.
- Double coated + lacquer for abrasion resistant finish.
- Machine inserted profile end clips providing extra shutter strength.
- High quality internal sealed bearings.
- Suitable for widths up to 3200mm.
- Can be manually operated or motorised.
- Made in Australia.



TECHNICAL SPECIFICATIONS

Maximum Shutter Width	3200mm
Maximum Shutter Height	2600mm
Maximum Surface Area	7m ²
Curtain Weight/Metre ²	3.2kg
Number Of Slats/Metre	24
Profile Slat Covering	42mm
Profile Slat Thickness	8.5mm
Axle Types	Octagonal Aluminium or Steel
Bottom Bar Dimensions	55mm x 8.5mm
Guide Dimensions	53mm x 22mm (68mm x 22mm/15mm Guide Upgrade available at additional cost)
Paint Finish	Polyurethane/Polyamide (PU/PA)
Inner Profile Foam Type	Poly Urethane (CFC Free)

General Note: All dimensions and colours are indicative only and may change without notice. Profile technical specifications and shutter performance may vary in certain applications, eg. wide applications with no solid structure behind the roller shutter. For more information please contact your CW Products representative.



MADE TO MEASURE ROLLER SHUTTERS

PELMET SIZES & MAXIMUM SHUTTER HEIGHT

Pelmet Box Size	Max. No. Of Slats	Max. Shutter Height (Including Pelmet)	Axle Size
150mm	31	1300mm	60mm
165mm	41	1700mm	60mm
180mm	52	2200mm	60mm
205mm	67	2850mm*	60mm
230mm	93	3900mm*	60mm

* Measurement exceeds recommended maximum shutter height. May be allowed if other technical specifications are met. Check with your local CW Products representative.

WIND SPEEDS & MAXIMUM SHUTTER WIDTH

Wind Speed m/sec	Wind Speed km/h	Max. Shutter Width	Max. Surface Area
11.2m/sec	40.32km/h	3200mm	9.7m ²
13m/sec	46.80km/h	3010mm	9.03m ²
15.8m/sec	56.88km/h	2550mm	7.65m ²
20.4m/sec	73.44km/h	2180mm	6.54m ²
25.9m/sec	93.24km/h	1990mm	5.82m ²
34.9m/sec	125.64km/h	1940mm	5.37m ²

ROLLER SHUTTER COLOUR OPTIONS

Profiles	Pelmets/Side Frames/Guides/Bottom Bars
Cream	Cream
Magnolia Cream	Magnolia Cream
Clear Beige	Clear Beige
White	White
Shale Grey	Shale Grey
Brown	Brown
Beige	Black
Green	Monument
Red	Woodland Grey
Bronze <i>TBD</i>	
Black	
Monument	
Silver	
Deep Ocean	
Woodland Grey	
Jasper	

Powder coated options available (additional charges apply)

TBD - Product to be discontinued in the future or when stock is depleted.

CONTROL OPTIONS

Manual Options



Strap Winder (Up To 20Kg)



Cord Winder (Up To 20Kg)



Steel Cable Winder (Up To 50Kg)



Strap Coiler (Up To 20Kg)



Cord Coiler (Up To 20Kg)



Spring Loaded With Key Lock

Motorised Options



Remote Control With SolarSmart™ Plus Automation 12V Motor



PowerSmart™ Control System With 12V Motor



Wall Switch With 240V Electric Motor



Remote Control With 240V Electric SIMU Hz Motor



Key Switch With 240V Electric Motor



Crank Handle With 240V Electric Manual Override Motor

To order please complete a [CW Products Made To Measure Roller Shutter Order Form](#).

MADE TO MEASURE ROLLER SHUTTERS

55MM WIDESPAN ROLLER SHUTTER

(Widespan Residential/Light Commercial)



This roller shutter range is made with a precision roll formed roller shutter profile, and is suitable for many widespan applications.

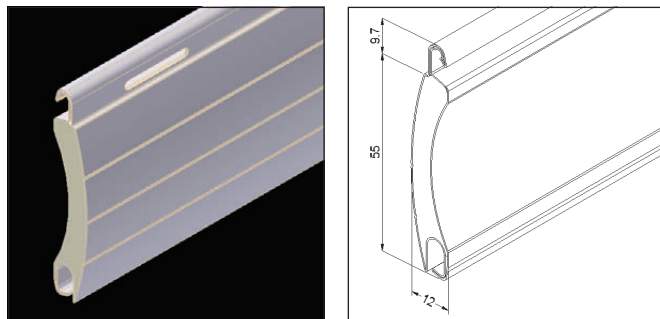
SUITABLE APPLICATIONS

- Domestic Windows.
- Domestic Doorways.
- Garage Doors.
- Light Commercial Shop Fronts & Windows.
- Counter Tops/Serveries.
- Entry Level Security for Factories, Warehouses, Clubs, Pubs & Hotels, Restaurants, Pharmacies & Sports Complexes.

FEATURES

- High quality aluminium alloy construction.
- Foam filled profile for additional strength, security and silent operation.
- High quality painted finish.
- Smooth and curved face profile.
- Roll-tight design.
- Range of colours.
- Double coated + lacquer for abrasion resistant finish.
- Heavy duty steel axle with high quality internal sealed bearings.
- Suitable for widespan widths up to 4500mm.
- Can be manually operated or motorised.
- Made in Australia.

* CW Products recommends the use of Photo Safety Cells and a Safety Brake when installing automated roller shutters over openings and doorways. Especially when the roller shutter is not in full view of the operator (eg. when using a remote control or wall switch positioned away from the roller shutter and out of view). When using a wall switch, we recommend a spring return switch/deadman switch.



TECHNICAL SPECIFICATIONS

Maximum Shutter Width	4500mm
Maximum Shutter Height	3000mm
Maximum Surface Area	10m ²
Curtain Weight/Metre ²	4kg
Number Of Slats/Metre	18
Profile Slat Covering	55mm
Profile Slat Thickness	12mm
Axle Types	Octagonal Steel
Bottom Bar Dimensions	55mm x 8.5mm
Guide Dimensions	68mm x 25mm/18mm
Paint Finish	Polyurethane/Polyamide (PU/PA)
Inner Profile Foam Type	Poly Urethane (CFC Free)

General Note: All dimensions and colours are indicative only and may change without notice. Profile technical specifications and shutter performance may vary in certain applications, eg. wide applications with no solid structure behind the roller shutter. For more information please contact your CW Products representative.

MADE TO MEASURE ROLLER SHUTTERS

PELMET SIZES & MAXIMUM SHUTTER HEIGHT

Pelmet Box Size	Max. No. Of Slats	Max. Shutter Height (Including Pelmet)	Axle Size
180mm	23	1400mm	70mm
205mm	38	2250mm	100mm with adaptor
205mm	42	2450mm	70mm
230mm	52	3000mm	100mm with adaptor
230mm	54	3200mm*	70mm

* Measurement exceeds recommended maximum shutter height. May be allowed if other technical specifications are met. Check with your local CW Products representative.

WIND SPEEDS & MAXIMUM SHUTTER WIDTH

Wind Speed m/sec	Wind Speed km/h	Max. Shutter Width	Max. Surface Area
11.2m/sec	40.32km/h	4500mm	10.5m ²
13m/sec	46.80km/h	4000mm	10m ²
15.8m/sec	56.88km/h	3300mm	8.25m ²
20.4m/sec	73.44km/h	2900mm	7.25m ²
25.9m/sec	93.24km/h	2500mm	6.25m ²
34.9m/sec	125.64km/h	2400mm	6m ²

ROLLER SHUTTER COLOUR OPTIONS

Profiles	Pelmets/Side Frames/Guides/Bottom Bars
Cream	Cream
Magnolia Cream	Magnolia Cream
Clear Beige	Clear Beige
White	White
Shale Grey	Shale Grey
Brown <i>TBD</i>	Brown
Black	Black
Monument	Monument
Silver	Woodland Grey
Woodland Grey	

Powder coated options available (additional charges apply)

TBD - Product to be discontinued in the future or when stock is depleted.

To order please complete a **CW Products Made To Measure Roller Shutter Order Form.**

CONTROL OPTIONS

Manual Options		Motorised Options			
Steel Cable Winder (Up To 50Kg)	Spring Loaded With Key Lock	Remote Control With SolarSmart™ Plus Automation 12V Motor	PowerSmart™ Control System With 12V Motor (Up To 50Kg)*	Wall Switch With 240V Electric Motor	Remote Control With 240V Electric SIMU Hz Motor

Motorised Options (continued)		
Key Switch With 240V Electric Motor	Crank Handle With 240V Electric Manual Override Motor	Remote Control (Key Ring Transmitter) With 240V Electric Motor & Multi-Function SIMU RSA Hz Radio Receiver & Control Unit

* When used in conjunction with an assist spring as per CW Products specifications.

MADE TO MEASURE ROLLER SHUTTERS

77MM WIDESPAN ROLLER SHUTTER

(Widespan Residential/Commercial)



This roller shutter range is made with a precision roll formed roller shutter profile, and is suitable for many widespan applications.

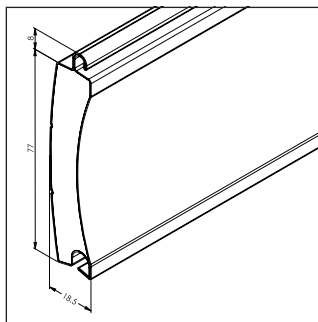
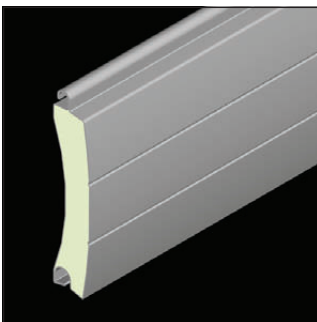
SUITABLE APPLICATIONS

- Residential Garage Doors.
- Commercial Garage Doors.
- Commercial Windows.
- Commercial Shop Fronts & Doorways.
- Entry Level Security for Factories, Warehouses, Clubs, Pubs & Hotels, Restaurants, Pharmacies & Sports Complexes.

FEATURES

- High quality aluminium alloy construction.
- Foam filled profile for additional strength, security and silent operation.
- High quality painted finish.
- Smooth and curved face profile.
- Rolls smaller than traditional steel roller doors.
- Range of colours.
- Double coated + lacquer for abrasion resistant finish.
- Comprehensively engineered for extra strength.
- Heavy duty guides and bottom bar.
- Fully enclosed pelmet with internal rollers and reinforcement side plates.
- Suitable for widespan widths up to 5900mm.
- Made in Australia.

* CW Products recommends the use of Photo Safety Cells and a Safety Brake when installing automated roller shutters over openings and doorways. Especially when the roller shutter is not in full view of the operator (eg. when using a remote control or wall switch positioned away from the roller shutter and out of view). When using a wall switch, we recommend a spring return switch/deadman switch.



TECHNICAL SPECIFICATIONS

Maximum Shutter Width	5900mm
Maximum Shutter Height	3000mm
Maximum Surface Area	15m ² (depending on wind zone)
Curtain Weight/Metre ²	5kg
Number Of Slats/Metre	13
Profile Slat Covering	77mm
Profile Slat Thickness	18.5mm
Axle Types	Octagonal or Round Steel
Bottom Bar Dimensions	106mm x 19mm
Guide Dimensions	105mm x 37mm/26mm
Paint Finish	Polyurethane/Polyamide (PU/PA)
Inner Profile Foam Type	Poly Urethane (CFC Free)

General Note: All dimensions and colours are indicative only and may change without notice. Profile technical specifications and shutter performance may vary in certain applications, eg. wide applications with no solid structure behind the roller shutter. For more information please contact your CW Products representative.

MADE TO MEASURE ROLLER SHUTTERS

PELMET SIZES & MAXIMUM SHUTTER HEIGHT

Pelmet Box Size	Max. No. Of Slats	Max. Shutter Height (Including Pelmet)	Axle Size
250mm	23	2000mm	101mm with adaptor
250mm	21	1800mm	130mm with adaptor
300mm	39	3200mm*	101mm with adaptor
300mm	36	3000mm	150mm with adaptor

* Measurement exceeds recommended maximum shutter height. May be allowed if other technical specifications are met. Check with your local CW Products representative.

WIND SPEEDS & MAXIMUM SHUTTER WIDTH

Wind Speed m/sec	Wind Speed km/h	Max. Shutter Width	Max. Surface Area
11.2m/sec	40.32km/h	4400mm	13.23m ²
13m/sec	46.80km/h	3520mm	10.56m ²
15.8m/sec	56.88km/h	3060mm	9.18m ²
20.4m/sec	73.44km/h	2670mm	8.01m ²

CONTROL OPTIONS

Motorised Options



Wall Switch
With 240V
Electric Motor



Remote Control
With 240V
Electric SIMU Hz
Motor



Key Switch
With 240V
Electric Motor



Crank Handle
With 240V
Electric Manual
Override Motor



Remote Control
(Key Ring Transmitter)
With 240V
Electric Motor &
Multi-Function SIMU
RSA Hz Radio Receiver
& Control Unit

ROLLER SHUTTER COLOUR OPTIONS

Profiles	Pelmets/Side Frames/Guides/Bottom Bars
Cream <i>TBD</i>	Cream
Clear Beige <i>TBD</i>	Clear Beige
White	White
Shale Grey	Shale Grey
Brown <i>TBD</i>	Brown
Black	Black
Monument	Monument
Silver	Woodland Grey
Woodland Grey	

TBD - Product to be discontinued in the future or when stock is depleted.

Powder coated options available (additional charges apply)

To order please complete a [CW Products Made To Measure Roller Shutter Order Form](#).

MADE TO MEASURE ROLLER SHUTTERS

36MM EXTRUDED ROLLER SHUTTER

(High Security Commercial)



This roller shutter range is made with a precision extruded roller shutter profile, and is suitable for many commercial and industrial grade applications.

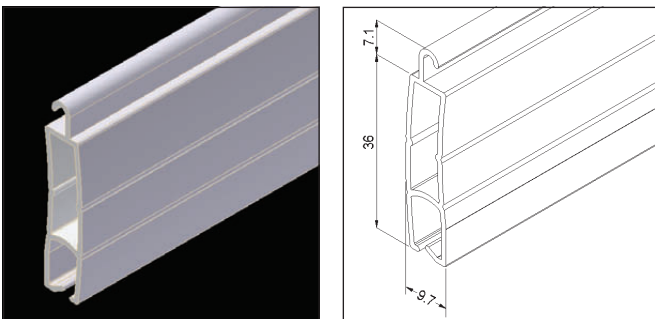
SUITABLE APPLICATIONS

- Commercial Windows.
- Commercial Shop Fronts & Doorways.
- Garage Doors.
- High Security for Factories, Warehouses, Clubs, Pubs & Hotels, Restaurants, Pharmacies, Sports Complexes, Arcades, Shopping Mall Entrances, Mining & High Security Areas.

FEATURES

- High quality, strong aluminium alloy construction.
- Commercial grade double wall extruded profile for heavy duty strength.
- High quality powder coated finish for maximum abrasion resistance.
- Double line grooved and slight curved face profile.
- Roll-tight design.
- Range of colours.
- Heavy duty steel axle with high quality internal sealed bearings.
- Suitable for widespan widths up to 5800mm.
- Can be manually operated or motorised.
- Made in Australia.

* CW Products recommends the use of Photo Safety Cells and a Safety Brake when installing automated roller shutters over openings and doorways. Especially when the roller shutter is not in full view of the operator (eg. when using a remote control or wall switch positioned away from the roller shutter and out of view). When using a wall switch, we recommend a spring return switch/deadman switch.



TECHNICAL SPECIFICATIONS

Maximum Shutter Width	5800mm (with Winged Slat Locks)
Maximum Shutter Height	3000mm
Maximum Surface Area	12m ²
Curtain Weight/Metre ²	7.5kg
Number Of Slats/Metre	28
Profile Slat Covering	36mm
Profile Slat Thickness	9.7mm
Axle Types	Octagonal Steel
Bottom Bar Dimensions	55mm x 8.5mm
Guide Dimensions	68mm x 25mm/14mm (Heavy Duty Guide)
Paint Finish	High Quality Powder Coat Finish

General Note: All dimensions and colours are indicative only and may change without notice. Profile technical specifications and shutter performance may vary in certain applications, eg. wide applications with no solid structure behind the roller shutter. For more information please contact your CW Products representative.

MADE TO MEASURE ROLLER SHUTTERS

PELMET SIZES & MAXIMUM SHUTTER HEIGHT STANDARD SLAT LOCKS

Pelmet Box Size	Max. No. Of Slats	Max. Shutter Height (Including Pelmet)	Axle Size
180mm	50	1800mm	60mm
205mm	56	2020mm	70mm
230mm	72	2600mm	70mm
250mm	90	3250mm*	70mm
250mm	85	3050mm*	101mm with adaptor
250mm	72	2590mm	130mm with adaptor

* Measurement exceeds recommended maximum shutter height. May be allowed if other technical specifications are met. Check with your local CW Products representative.

WINGED SLAT LOCKS

180mm	38	1350mm	60mm
205mm	46	1650mm	70mm
230mm	62	2300mm	70mm
250mm	72	2600mm	70mm
250mm	78	2800mm	101mm with adaptor
250mm	65	2350mm	130mm with adaptor

ROLLER SHUTTER COLOUR OPTIONS

Profiles	Pelmets/Side Frames/Guides/Bottom Bars
Cream	Cream
Magnolia Cream	Magnolia Cream
Clear Beige	Clear Beige
White	White
Shale Grey	Shale Grey
Black	Brown
Monument	Black
Anodised Silver	Monument
Woodland Grey	Woodland Grey

Powder coated options available (additional charges apply)

CONTROL OPTIONS

Manual Options Motorised Options



Steel Cable Winder (Up To 50Kg)



Spring Loaded With Key Lock



Remote Control With SolarSmart™ Plus Automation 12V Motor (Up To 50Kg)



PowerSmart™ Control System With 12V Motor (Up To 50Kg)*



Wall Switch With 240V Electric Motor



Remote Control With 240V Electric SIMU Hz Motor

Motorised Options (continued)



Key Switch With 240V Electric Motor



Crank Handle With 240V Electric Manual Override Motor



Remote Control (Key Ring Transmitter) With 240V Electric Motor & Multi-Function SIMU RSA Hz Radio Receiver & Control Unit

* When used in conjunction with an assist spring as per CW Products specifications.

To order please complete a [CW Products Made To Measure Roller Shutter Order Form](#).

50MM EXTRUDED VISION ROLLER SHUTTER

(Commercial)



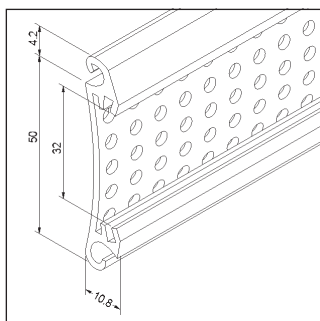
This roller shutter range is made with a precision extruded roller shutter profile, with approximately 20% vision and ventilation perforations, and is suitable for many commercial and industrial grade applications.

SUITABLE APPLICATIONS

- Commercial Windows.
- Commercial Shop Fronts & Doorways.
- Garage Doors.
- Security for Factories, Warehouses, Clubs, Pubs & Hotels, Restaurants, Pharmacies, Sports Complexes, Arcades, Shopping Mall Entrances & Shopping Centre Grilles.

FEATURES

- High quality, strong aluminium alloy construction.
- Commercial grade single wall extruded profile for heavy duty strength.
- Vision and ventilation perforations for airflow and light.
- High quality powder coated finish for maximum abrasion resistance.
- Perforated and curved face profile.
- Roll-tight design.
- Range of colours.
- Heavy duty steel axle with high quality internal sealed bearings.
- Suitable for widespan widths up to 5500mm.
- Can be manually operated or motorised.
- Made in Australia.



TECHNICAL SPECIFICATIONS

Maximum Shutter Width	5500mm
Maximum Shutter Height	3000mm
Maximum Surface Area	9m ²
Curtain Weight/Metre ²	8.5kg
Number Of Slats/Metre	20
Profile Slat Covering	50mm
Profile Slat Thickness	10.8mm
Axle Types	Octagonal Steel
Bottom Bar Dimensions	67mm x 10mm
Guide Dimensions	68mm x 25mm/18mm
Paint Finish	High Quality Powder Coat Finish

* CW Products recommends the use of Photo Safety Cells and a Safety Brake when installing automated roller shutters over openings and doorways. Especially when the roller shutter is not in full view of the operator (eg. when using a remote control or wall switch positioned away from the roller shutter and out of view). When using a wall switch, we recommend a spring return switch/deadman switch.

MADE TO MEASURE ROLLER SHUTTERS

PELMET SIZES & MAXIMUM SHUTTER HEIGHT STANDARD SLAT LOCKS

Pelmet Box Size	Max. No. Of Slats	Max. Shutter Height (Including Pelmet)	Axle Size
180mm	33	1750mm	70mm
205mm	44	2350mm	70mm
230mm	56	2950mm	70mm
250mm	70	3700mm*	70mm
250mm	64	3350mm*	101mm with adaptor
250mm	55	2900mm	130mm with adaptor

* Measurement exceeds recommended maximum shutter height. May be allowed if other technical specifications are met. Check with your local CW Products representative.

WINGED SLAT LOCKS

180mm	23	1250mm	60mm
180mm	17	950mm	70mm
205mm	36	1900mm	70mm
230mm	44	2300mm	70mm
250mm	50	2600mm	101mm with adaptor

ROLLER SHUTTER COLOUR OPTIONS

Profiles	Pelmets/Side Frames/Guides/Bottom Bars
White	Cream
Black	Magnolia Cream
Anodised Silver	Clear Beige
	White
	Shale Grey
	Brown
	Black
	Monument
	Woodland Grey

Powder coated options available (additional charges apply)

CONTROL OPTIONS

Manual Options



Steel Cable Winder
(Up To 50Kg)



Spring Loaded
With Key Lock



Remote Control
With SolarSmart™
Plus Automation
12V Motor
(Up To 50Kg)



PowerSmart™
Control System
With 12V Motor
(Up To 50Kg)*



Wall Switch
With 240V
Electric Motor



Remote Control
With 240V
Electric SIMU Hz
Motor

Motorised Options (continued)



Key Switch
With 240V
Electric Motor



Crank Handle
With 240V
Electric Manual
Override Motor



Remote Control
(Key Ring Transmitter)
With 240V
Electric Motor &
Multi-Function SIMU
RSA Hz Radio Receiver
& Control Unit

* When used in conjunction with an assist spring as per CW Products specifications.

To order please complete a **CW Products Made To Measure Roller Shutter Order Form.**

MADE TO MEASURE ROLLER SHUTTERS

FIRESAFE™ BUSHFIRE RATED ROLLER SHUTTER

Protects Property And Families!



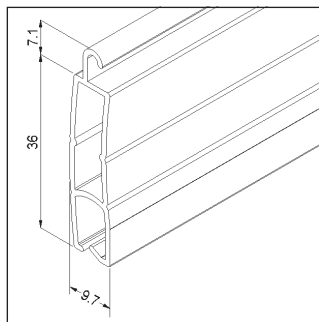
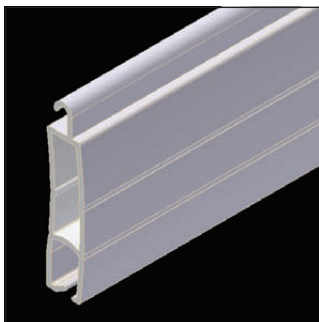
This roller shutter is ideal for home and business owners who want to protect their property and families from bushfires, because they live in high risk, bushfire prone or wooded, high vegetation, country and semi-rural locations. It is made with a precision extruded roller shutter profile.

SUITABLE APPLICATIONS

- Domestic & Commercial Windows.
- Domestic & Commercial Doorways.
- Commercial Shop Fronts.
- Garage Doors.
- High Security & Fire Protection for Factories, Warehouses, Clubs, Pubs & Hotels, Restaurants, Pharmacies, Sports Complexes, Arcades, Shopping Mall Entrances, Mining & High Security Areas.

FEATURES

- Bushfire rated to Bushfire Attack Level (BAL) A40.
- Tested by CSIRO (Report# FSZ1379).
- Complies with Australian Bushfire Construction Standard AS3959-2018 (Clauses 3.7 & 8.5.1).
- Radiant heat shielding properties to 40 kW/m².
- High quality, strong aluminium alloy construction.
- Commercial grade double wall extruded profile for heavy duty strength & extreme heat protection.
- High quality powder coated finish for maximum abrasion resistance.
- Double line grooved and slight curved face profile.
- Roll-tight design.
- Range of colours.
- Heavy duty steel axle with high quality internal sealed bearings.
- Suitable for widespan widths up to 5800mm.
- Can be manually operated or motorised (Manual with steel cable up to 5m²).
- FireSafe™ Authentication Plate fitted.
- Made in Australia.



TECHNICAL SPECIFICATIONS

Bushfire Attack Level Rating	BAL A40
Maximum Shutter Width	5800mm
Maximum Shutter Height	3000mm
Maximum Surface Area	12m ²
Curtain Weight/Metre ²	7.5kg
Number Of Slats/Metre	28
Profile Slat Covering	36mm
Profile Slat Thickness	9.7mm
Axle Types	Octagonal Steel
Bottom Bar Dimensions	55mm x 8.5mm
Guide Dimensions	68mm x 25mm/14mm (Heavy Duty Guide)
Paint Finish	High Quality Powder Coat Finish

General Note: All dimensions and colours are indicative only and may change without notice. Profile technical specifications and shutter performance may vary in certain applications, eg. wide applications with no solid structure behind the roller shutter. For more information please contact your CW Products representative.

MADE TO MEASURE ROLLER SHUTTERS

PELMET SIZES & MAXIMUM SHUTTER HEIGHT

Pelmet Box Size	Max. No. Of Slats	Max. Shutter Height (Including Pelmet)	Axle Size
180mm	50	1800mm	60mm
205mm	56	2020mm	70mm
230mm	72	2600mm	70mm
250mm	90	3250mm*	70mm
250mm	85	3050mm*	101mm with adaptor
250mm	72	2590mm	130mm with adaptor

* Measurement exceeds recommended maximum shutter height. May be allowed if other technical specifications are met. Check with your local CW Products representative.

ROLLER SHUTTER COLOUR OPTIONS

Profiles	Pelmets/Side Frames/Guides/Bottom Bars
Cream	Cream
Magnolia Cream	Magnolia Cream
Clear Beige	Clear Beige
White	White
Shale Grey	Shale Grey
Black	Brown
Monument	Black
Anodised Silver	Monument
Woodland Grey	Woodland Grey

Powder coated options available (additional charges apply)

CONTROL OPTIONS

Manual Options



Steel Cable Winder (Up To 50Kg)



Spring Loaded With Key Lock



Crank Handle With Gear Ace (Up To 30Kg) See Page 43 For Universal Joint Position Options For Gear Ace Shutters

Motorised Options



PowerSmart™ Control System With 12V Motor (Up To 50Kg)*



Wall Switch With 240V Electric Manual Override Motor



Remote Control With 240V Electric SIMU Hz Manual Override Motor

Motorised Options (continued)



Crank Handle With 240V Electric Manual Override Motor

* When used in conjunction with an assist spring as per CW Products specifications.

FIRESAFE™ AUTHENTICATION PLATE

All FireSafe™ shutters are fitted with an Authentication Plate with Serial Number to ensure genuine product and product performance that meets Australian Standards.



* CW Products recommends the use of Photo Safety Cells and a Safety Brake when installing automated roller shutters over openings and doorways. Especially when the roller shutter is not in full view of the operator (eg. when using a remote control or wall switch positioned away from the roller shutter and out of view). When using a wall switch, we recommend a spring return switch/deadman switch.

* CW Products recommends that FireSafe Bushfire Rated Roller Shutters shall: a) be fixed to the building and be non-removable; b) when in the closed position, have no gap greater than 3mm between the shutter and the wall, the sill or the head; c) be readily manually operable from either inside or outside; d) protect the entire window assembly or door assembly; e) consist of materials specified in Clauses 5.5.1, 6.5.1, 7.5.1, 8.5.1 & 9.5.1 for the relevant BAL.

To order please complete a **CW Products Made To Measure Roller Shutter Order Form.**

MADE TO MEASURE ROLLER SHUTTERS

CYCLONESAFE™ ROLLER SHUTTER

Protects Property And Families!



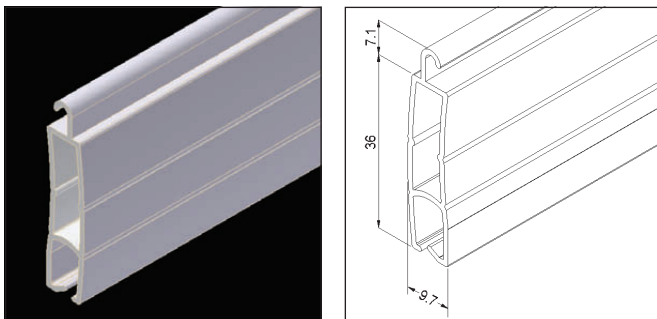
This roller shutter is ideal for home and business owners who want to protect their property and families from cyclones, tropical storms and extreme wind coastal weather conditions. It is made with a precision extruded roller shutter profile.

SUITABLE APPLICATIONS

- Domestic & Commercial Windows.
- Domestic & Commercial Doorways.
- Commercial Shop Fronts.
- High Security & Storm Protection for Factories, Warehouses, Mining Sites & Camps, Clubs, Pubs & Hotels, Restaurants, Pharmacies, Sports Complexes, Arcades, Shopping Mall Entrances & High Security Areas.

FEATURES

- Cyclone rated up to C4.
- Tested by James Cook University.
- Complies with AS/NZS1170.2:2011 all relevant wind & cyclone standards.
- Cyclic Fatigue Loading in accordance with AS4040.3:1992.
- Design Pressure Testing in accordance with AS4055:2012 (For Housing) & AS/NZS4505:2012 (For Garage & Large Access Doors).
- Can be used in all Australian Cyclone Regions including **Cyclone Region C4** at 1500mm wide.
- High quality, strong aluminium alloy construction.
- Commercial grade double wall extruded profile for heavy duty strength & extreme wind protection.
- Double line grooved and slight curved face profile.
- Roll-tight design.
- Range of colours.
- High quality powder coated finish.
- Heavy duty steel axle with high quality internal sealed bearings.
- Suitable for shutter widths up to 2700mm (2400mm in NT).
- Suitable for door widths up to 3000mm (2400mm in NT).
- Can be manually operated or motorised (Manual with steel cable up to 5m²).
- Compatible with SolarSmart™ Plus and PowerSmart™.
- CycloneSafe™ Authentication Plate fitted.
- Made in Australia.



TECHNICAL SPECIFICATIONS

Cyclone Rating	Up To C4
Max Window Shutter Width	Up To 2700mm (2400mm in NT)
Max Roller Door Width	Up To 3000mm (2400mm in NT)
Maximum Shutter Height	Up To 3000mm
Maximum Surface Area	9m ²
Curtain Weight/Metre ²	7.5kg
Number Of Slats/Metre	28
Profile Slat Covering	36mm
Profile Slat Thickness	9.7mm
Axle Types	Octagonal Steel
Bottom Bar Dimensions	55mm x 8.5mm
Guide Dimensions	68mm x 22mm (Heavy Duty Cyclone Guide)
Paint Finish	High Quality Powder Coat Finish

General Note: All dimensions and colours are indicative only and may change without notice. Profile technical specifications and shutter performance may vary in certain applications, eg. wide applications with no solid structure behind the roller shutter. For more information please contact your CW Products representative.

MADE TO MEASURE ROLLER SHUTTERS

PELMET SIZES & MAXIMUM SHUTTER HEIGHT WINGED SLAT LOCKS

Pelmet Box Size	Max. No. Of Slats	Max. Shutter Height (Including Pelmet)	Axle Size
180mm	38	1350mm	60mm
205mm	46	1650mm	70mm
230mm	62	2300mm	70mm
250mm	72	2600mm	70mm
300mm	81	3000mm	70mm with adaptor

ROLLER SHUTTER COLOUR OPTIONS

Profiles	Pelmets/Side Frames/Guides/Bottom Bars
Cream	Cream
Magnolia Cream	Magnolia Cream
Clear Beige	Clear Beige
White	White
Shale Grey	Shale Grey
Black	Brown
Monument	Black
Anodised Silver	Monument
Woodland Grey	Woodland Grey

Powder coated options available (additional charges apply)

ROLLER SHUTTER & ROLLER DOOR WIDTHS & CYCLONE RATINGS

Roller Shutter Width	Cyclonic Wind Speed	Shutter Rated Pressure	Cyclone Rating
1500mm	83m/sec 298.80km/h	6.30 kPa	C4
1800mm	70m/sec 252.00km/h	4.50 kPa	C3
2100mm	63m/sec 226.80km/h	3.54 kPa	C3
2400mm	58m/sec 208.80km/h	3.00 kPa	C2
*2700mm	53m/sec 190.80km/h	2.51 kPa	C2

Roller Door Width	Cyclonic Wind Speed	Door Rated Pressure	Cyclone Rating
1500mm	87m/sec 313.20km/h	6.86 kPa	C4
1800mm	76m/sec 273.60km/h	5.23 kPa	C4
2100mm	67m/sec 241.20km/h	4.07 kPa	C3
2400mm	62m/sec 223.20km/h	3.48 kPa	C3
*2700mm	56m/sec 201.60km/h	2.84 kPa	C2
*3000mm	52m/sec 187.20km/h	2.60 kPa	C2

* Not valid for NT. Note: The structure to which the shutter is attached shall be designed and certified independently by a suitably qualified engineer. No extrapolation of any tabled results is permitted.

CONTROL OPTIONS

Manual Options Motorised Options



Steel Cable Winder (Up To 50Kg)



Spring Loaded With Key Lock



Remote Control With SolarSmart™ Plus Automation 12V Motor (Up To 50Kg)



PowerSmart™ Control System With 12V Motor (Up To 50Kg)*



Wall Switch With 240V Electric Motor



Remote Control With 240V Electric SIMU Hz Motor

* When used in conjunction with an assist spring as per CW Products specifications.

Motorised Options (continued)



Key Switch With 240V Electric Motor



Crank Handle With 240V Electric Manual Override Motor



Remote Control (Key Ring Transmitter) With 240V Electric Motor & Multi-Function SIMU RSA Hz Radio Receiver & Control Unit

CYCLONESAFE™ AUTHENTICATION PLATE

All CycloneSafe™ shutters are fitted with an Authentication Plate with Serial Number to ensure genuine product and product performance that meets Australian Standards.



* CW Products recommends the use of Photo Safety Cells and a Safety Brake when installing automated roller shutters over openings and doorways. Especially when the roller shutter is not in full view of the operator (eg. when using a remote control or wall switch positioned away from the roller shutter and out of view). When using a wall switch, we recommend a spring return switch/deadman switch.

To order please complete a **CW Products Made To Measure Roller Shutter Order Form**.

MADE TO MEASURE ROLLER SHUTTERS

EASYVIEW™ ROLLER SHUTTER

NEW POLYCARBONATE PROFILE

Brings The Outdoors Indoors!



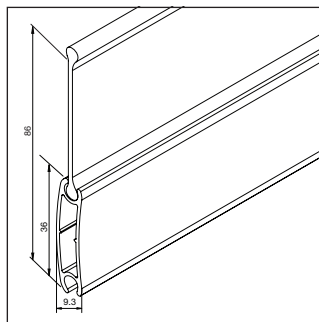
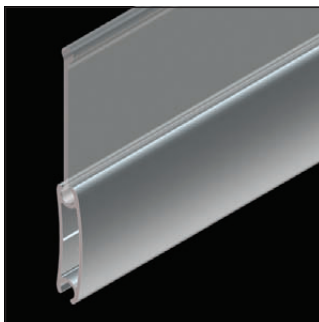
This roller shutter system is made with a combination of a precision extruded aluminium profile and a transparent, UV resistant polycarbonate profile, which provides added security and permanent views of the outdoors. It is suitable for many domestic and commercial applications.

SUITABLE APPLICATIONS

- Domestic Verandah & Patio Enclosures.
- Terrace Restaurants & Cafes.
- Internal Separation Barriers.
- Counter Tops/Serveries.
- Shopping Centre Closures.

FEATURES

- High quality, strong aluminium alloy and polycarbonate construction.
- Commercial grade double wall extruded profile for heavy duty strength.
- **NEW UV resistant 60mm polycarbonate profile.**
- **NEW stronger, larger & clearer polycarbonate profile with 20% more light & vision.**
- **NEW high rigidity bottom bar (compatible with bottom bar foot).**
- High quality powder coated finish for maximum abrasion resistance.
- Roll-tight design.
- Range of colours.
- Heavy duty steel axle with high quality internal sealed bearings.
- Fully retractable into an enclosed pelmet.
- Suitable for widespan widths up to 4400mm.
- Can be manually operated or motorised.
- Made in Australia.



TECHNICAL SPECIFICATIONS

Maximum Shutter Width	4400mm
Maximum Shutter Height	3000mm
Maximum Surface Area	10m ²
Curtain Weight/Metre ²	4.7kg
Number Of Slats/Metre	11.6 (combined aluminium & polycarb slats)
Profile Slat Covering	36mm Aluminium/60mm Polycarb
Profile Slat Thickness	9.3mm Aluminium/4mm Polycarb
Axle Types	Steel (minimum roll 100mm)
Bottom Bar Dimensions	60mm x 11.5mm
Guide Dimensions	68mm x 25mm/14mm (Heavy Duty Guide)
Paint Finish	High Quality Powder Coat Finish

* CW Products recommends the use of Photo Safety Cells and a Safety Brake when installing automated roller shutters over openings and doorways. Especially when the roller shutter is not in full view of the operator (eg. when using a remote control or wall switch positioned away from the roller shutter and out of view). When using a wall switch, we recommend a spring return switch/deadman switch.

Note: EasyView is suitable for internal & external use in low to medium wind environments. For high wind applications exceeding 25 km/h please consult a professional engineer to determine suitability or contact your CW Products representative. The EasyView product warranty does not cover excessive wind damage.

General Note: All dimensions and colours are indicative only and may change without notice. Profile technical specifications and shutter performance may vary in certain applications, eg. wide applications with no solid structure behind the roller shutter. For more information please contact your CW Products representative.

MADE TO MEASURE ROLLER SHUTTERS

PELMET SIZES & MAXIMUM SHUTTER HEIGHT WINGED SLAT LOCKS

Pelmet Box Size	Max. No. Of Slats	Max. Shutter Height (Including Pelmet)	Axle Size
180mm	16	1400mm	101mm with adaptor
205mm	18	1600mm	130mm
205mm	24	2100mm	101mm with adaptor
230mm	28	2400mm	130mm
230mm	34	2900mm	101mm with adaptor
250mm	37	3200mm*	130mm
250mm	41	3500mm*	101mm with adaptor

* Measurement exceeds recommended maximum shutter height. May be allowed if other technical specifications are met. Check with your local CW Products representative.

WIND SPEEDS & MAXIMUM SHUTTER WIDTH

Wind Speed m/sec	Wind Speed km/h	Max. Shutter Width	Max. Surface Area
11.2m/sec	40.32km/h	4400mm	13.23m ²
13m/sec	46.80km/h	3520mm	10.56m ²
15.8m/sec	56.88km/h	3060mm	9.18m ²
20.4m/sec	73.44km/h	2670mm	8.01m ²

ROLLER SHUTTER COLOUR OPTIONS

Profiles	Pelmets/Side Frames/Guides/Bottom Bars
Cream	Cream
Magnolia Cream	Magnolia Cream
Clear Beige	Clear Beige
White	White
Shale Grey	Shale Grey
Black	Brown
Monument	Black
Anodised Silver	Monument
Woodland Grey	Woodland Grey
Clear Polycarbonate	Powder coated options available (additional charges apply)
Tinted Polycarbonate	

To order please complete a **CW Products Made To Measure Roller Shutter Order Form.**

CONTROL OPTIONS

Manual Options			Motorised Options		
Steel Cable Winder (Up To 50Kg)*	Spring Loaded With Key Lock (Up To 3.2m Wide)	Crank Handle With Gear Ace (Up To 30Kg) See Page 43 For Universal Joint Position Options For Gear Ace Shutters	Remote Control With SolarSmart™ Plus Automation 12V Motor (Up To 50Kg)	PowerSmart™ Control System With 12V Motor (Up To 50Kg)†*	Wall Switch With 240V Electric Motor*

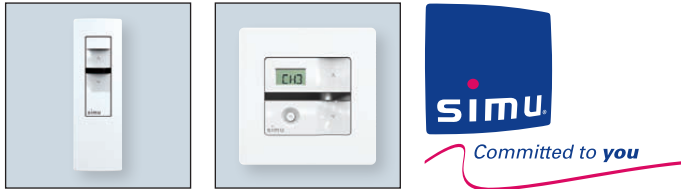
† When used in conjunction with an assist spring as per CW Products specifications.
* Control options must be installed in an indoor environment.

Motorised Options (continued)			
Remote Control With 240V Electric SIMU Hz Motor	Key Switch With 240V Electric Motor	Crank Handle With 240V Electric Manual Override Motor	Remote Control (Key Ring Transmitter) With 240V Electric Motor & Multi-Function SIMU RSA Hz Radio Receiver & Control Unit

ROLLER SHUTTER AUTOMATION SYSTEMS

SIMU Hz RADIO SYSTEM & REMOTE CONTROLS

World Leaders In Automation Solutions!



When considering an automation solution, you just can't roll past SIMU's Hz Radio System and range of Remote Controls.

Exclusively distributed in Australia by CW Products, we offer a wide range of SIMU motors, transmitters and automatic devices using SIMU Hz Radio Remote Control Technology.










SIMU Hz RADIO CONTROLS & ACCESSORIES

Description	Product Code	
SIMU Hz Wall Transmitter		
1 Channel	41-999-402	
5 Channel	41-999-430	
SIMU Hz Mobile Transmitter		
1 Channel	41-999-408	
5 Channel	41-999-414	
SIMU Memory Hz Wall Transmitter		
	41-999-362 <i>TBD</i>	
SIMU Hz Wall Transmitter Colour Plate Option		
Brushed Aluminium	41-999-403	<p>Brushed Aluminium</p>
SIMU Hz Mobile Transmitter Colour Plate Option		
Brushed Aluminium	41-999-505	<p>Brushed Aluminium</p>

TBD - Product to be discontinued in the future or when stock is depleted.

ROLLER SHUTTER AUTOMATION SYSTEMS

SIMU Hz RADIO CONTROLS & ACCESSORIES

Description	Product Code	
SIMU Color Multi 16 Channel Transmitter White Grey	41-999-364 41-999-366 <i>TBD</i>	
SIMU Timer Easy 1 Channel Transmitter White Grey	41-999-381 41-999-382 <i>TBD</i>	
SIMU Timer Multi 6 Channel Transmitter White Grey	41-999-370 41-999-361 <i>TBD</i>	
SIMU TSA+ Hz 4 Channel Key Ring Transmitter The TSA+ Hz 4 Channel Key Ring Transmitter gives the opportunity to control up to 4 motors * Must be programmed in conjunction with a standard Hz Transmitter	41-999-371	
SIMU Hz Dry Contact Transmitter * For integration with Home Automation Systems or adding hard wired switches to Hz Radio Systems	41-999-365	
SIMU Hz Sequential Transmitter * Must be programmed in conjunction with a standard Hz Transmitter	41-999-265	
SIMU SA Hz Digicode Wireless Key Pad * Must be programmed in conjunction with a standard Hz Transmitter	41-999-156	
SIMU Hz Sun Sensor * Delivered with suction cup	41-999-380 <i>TBD</i>	
SIMU Hz Micro Receiver For Roller Shutters For Lighting	41-999-392 <i>TBD</i> 41-999-393 <i>TBD</i>	

TBD - Product to be discontinued in the future or when stock is depleted.

ROLLER SHUTTER AUTOMATION SYSTEMS

SIMU RSA Hz EXTERNAL RADIO RECEIVER & CONTROL UNIT

For Commercial Roller Shutter & Garage Door Applications



The SIMU RSA Hz External Radio Receiver and Control Unit is designed to give flexibility and various additional options for the control of commercial roller shutters and garage doors. Quick and easy to program the SIMU RSA Hz features an inbuilt radio receiver providing remote control functionality from a stylish 4 channel key ring transmitter. This control unit also features dry contact inputs, allowing for integration with other control systems such as alarm and fire systems, as well as the ability to work in conjunction with other automations. Safety devices including photocells and safety edges can also be wired in, giving ultimate functionality and safety. This system features several programmable operating modes including sequential, 3 button, automatic & semi-automatic operating modes, as well as an automatic closing function and adjustable running times. A courtesy/blinking light can also be wired into the SIMU RSA Hz system.

TECHNICAL SPECIFICATIONS

Power Supply	240V
Max Power Output	240V 750W
Accessory Power Supply	24V DC
Radio Remote Frequency	433.42Mhz
Radio Remote Range	200m in free field

Description	Product Code	
240V SIMU RSA Hz Radio Receiver & Control Unit	41-999-154	
4 Channel Key Ring Transmitter For SIMU RSA Hz	41-999-371	
SIMU Hz Sequential Wall Mount Transmitter	41-999-265	
Photocells For SIMU RSA Hz	41-999-222	

SUITABLE APPLICATIONS

- Commercial Windows.
- Commercial Doorways.
- Commercial Shop Fronts.
- Garage Doors.
- Outdoor Enclosures.

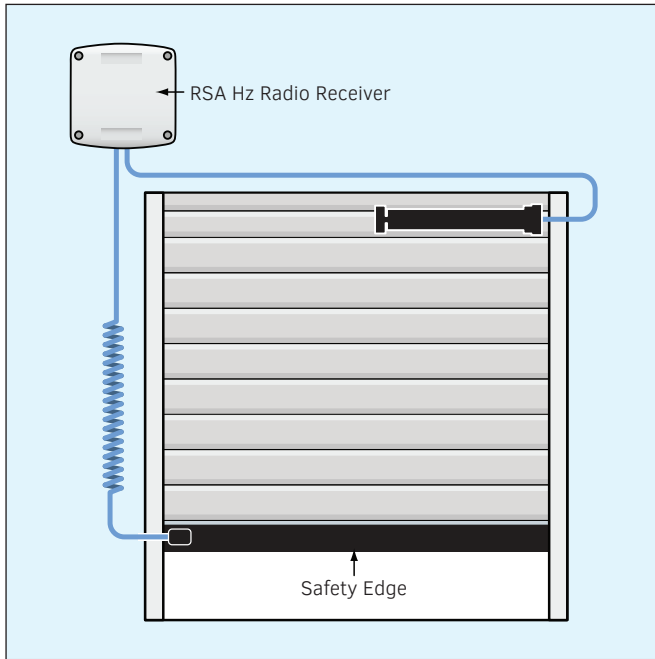
FEATURES

- Ultimate remote control operation with many functions.
- Dry contact input.
- 24V output to wire in safety devices including photocells and safety edges.
- Several programming modes including sequential and 3 button operation.
- Automatic and semi-automatic operating modes.
- Easy wiring.
- Sturdy and stylish box.
- Ability to wire in courtesy/blinking light.
- Compatible with standard 1 channel, 5 channel & 16 channel transmitters, and Timer Easy & Timer Multi transmitters using 3 button mode.

ROLLER SHUTTER AUTOMATION SYSTEMS

SIMU RSA Hz SAFETY EDGE SYSTEM

For Commercial Roller Shutter & Garage Door Applications (55mm Widespan/77mm Widespan/50mm Extruded Vision Only)



The SIMU RSA Hz Safety Edge System is designed to provide additional safety when operating commercial roller shutters and garage doors, safeguarding against damage to property or human injury. Specifically in public areas where safety is paramount and compliance is mandatory to safeguard against damage or injury. The SIMU RSA Hz Safety Edge System works in conjunction with the SIMU RSA Hz Radio Receiver and its allied control systems. A rubber profile on the bottom edge houses the obstacle sensors at each end of the rail and also provides additional sealing ability at ground level. If an obstacle preventing closure is detected, the integrated photocell sensors detect the flattening of the rubber profile and stop or retract the shutter. The system features 3 operating mode options when the safety edge is triggered; instant stop of the shutter; instant stop & partial retraction or instant stop & full retraction of the shutter. Unlike a single photocell detection point, the SIMU RSA Hz Safety Edge System has the ability to detect obstacles over the entire width and drop of the shutter area.

TECHNICAL SPECIFICATIONS

Safety Category	Cat 2 according to DIN EN 954-1
Protection Index	Housing IP 65
Operating Temperature	From -20°C to +55°C
Maximum Shutter Width	10m

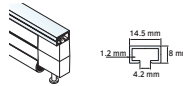
Description	Product Code
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SIMU RSA Hz Safety Edge System Rail

L = 300cm

Only required for 55mm Widespan & 50mm Extruded Vision Profiles

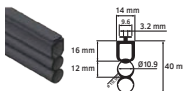
41-116-875



SIMU RSA Hz Safety Edge System Rubber Profile

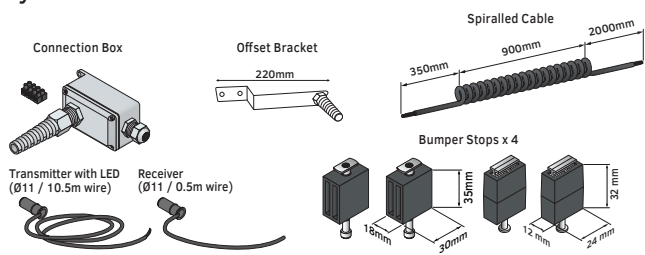
L = Available by the metre

41-110-894



SIMU RSA Hz Safety Edge System Connection Kit

41-999-893



SUITABLE APPLICATIONS

- Commercial Doorways.
- Commercial Shop Fronts.
- Garage Doors.
- Outdoor Enclosures.

FEATURES





- Works in conjunction with the SIMU RSA Hz Radio Receiver and its allied control systems.
- 3 operating mode options.
- Ability to detect obstacles over entire width and drop of shutter area.
- Spiralled connection cable can be fitted to either front or rear of shutter.
- Handy offset bracket for cable supplied.
- Double cell construction of rubber profile provides additional sealing ability at ground level.

240 VOLT SWITCH MECHANISMS

Description	Product Code	
Clipsal 39M 3 Position Toggle Switch	41-999-314	
Clipsal Series 2000 Switch Plate		
1 Gang 2 Gang 3 Gang 4 Gang	41-999-351 41-999-352 41-999-353 41-999-354	
SIMU Universal Anti Burglar Key Switch	41-999-315U	
SIMU Relay For Controlling Motors With Multiple Switches	41-999-325	
Standard Motor Limit Adjustment Switch	41-999-256	
SIMU 240V Group Controller For Up To 4 Motors	41-999-142	


ROLLER SHUTTER AUTOMATION SYSTEMS

240 VOLT WIRING OPTIONS

Description	Product Code	
Inline Cable Connector	41-400-100	
Protective Cover For Inline Cable Connector	31-999-267 <i>TBD</i>	
3 Pin Plug For Use With SIMU Hz Motors	41-999-600	
3 Pin Plug With 2 Metre Lead For Use With SIMU RSA Hz	41-999-178	

TBD - Product to be discontinued in the future or when stock is depleted.

UPS BATTERY BACK UP SYSTEM & ACCESSORIES

Description	Product Code	
240V Line Interactive UPS (Battery Back Up System) For use with all 240V motorisation & control systems. 1500 VA (Up To 900W) 2200 VA (Up To 1200W)	41-999-708 41-999-707	

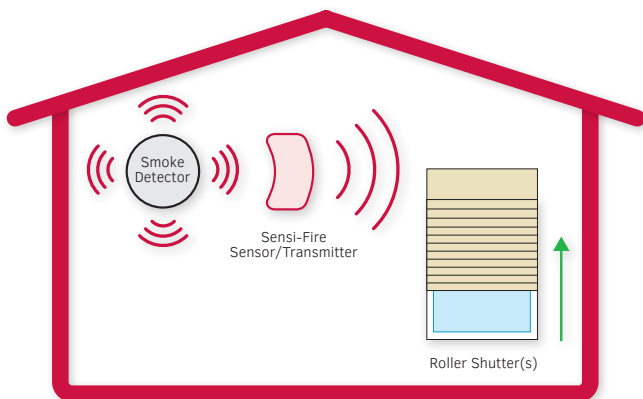
ROLLER SHUTTER AUTOMATION SYSTEMS

SENSI-FIRE™ WIRELESS SHUTTER SAFETY SYSTEM

Automatically Opens Roller Shutters In The Event Of Fire!



SENSI-FIRE™ AT A GLANCE



Installation Requirements: The Sensi-Fire Wireless receiver/transmitter must be positioned within 500mm of a working smoke detector that meets Australian Standards.

TECHNICAL SPECIFICATIONS

Battery Size	2 x AA 1.5V
Power Supply	3V
Radio Remote Frequency	433.4Mhz
Radio Remote Range	200m in free field

Sensi-Fire™ is an innovative, wireless DC battery, safety back-up system that automatically opens roller shutters in the event of a fire, helping protect human life. Crucial to fire safety, no domestic or commercial building with roller shutters should be without Sensi-Fire™. Totally independent of mains power, the Sensi-Fire™ Wireless unit is installed in close proximity to a smoke detector. When the smoke detector is activated, Sensi-Fire™ picks up the audio signal and instantly transmits a radio signal, in turn automatically opening all of the programmed roller shutters, allowing escape routes in and out. (1 unit can operate multiple shutters).

Sensi-Fire™ is also compatible with SolarSmart™ Plus and PowerSmart™ Roller Shutter Automation.

SUITABLE APPLICATIONS

- Domestic & Commercial Windows.
- Domestic & Commercial Doorways.
- Commercial Shop Fronts.
- Garage Doors.

FEATURES

- Increased safety for human life.
- Completely wireless system.
- Easy & quick to install and program.
- Remote control operated.
- Designed in Australia.

* Compatible with 12V SolarSmart Plus & PowerSmart Roller Shutter Automation.

Description	Product Code
Sensi-Fire™ Wireless Shutter Safety System	41-500-190



General Note: All dimensions and colours are indicative only and may change without notice.

ROLLER SHUTTER AUTOMATION SYSTEMS

POWERSMART™ CONTROL SYSTEM

For Faster, Easier & Smarter Automation!



PowerSmart™ is a unique and technologically advanced low voltage roller shutter control system with a built-in radio receiver and removable, rechargeable battery.

PowerSmart™ is an easier and smarter way to power roller shutters and other window furnishings with big battery capacity.

SUITABLE APPLICATIONS

- Domestic & Commercial Windows.
- Domestic & Commercial Doorways.
- Commercial Shop Fronts.
- Single Windows or Bay Windows.

FEATURES

- All-in-one 12V control system & battery.
- Built-in radio receiver & rechargeable battery.
- Operates independent of mains power.
- Easy & quick to install.
- No need for electricians.
- Removable & rechargeable Lithium Ion battery.
- Recharge LED warning light.
- Easy to recharge like a mobile phone.
- Can be recharged whilst in controller on wall, or battery can be easily removed & charged.
- Stylish design & easy to use controller.
- Remote control options available.
- Compatible with Sensi-Fire™ Wireless.
- 5 year Guarantee on motor.
- 1 year Guarantee on battery & controller.
- Designed in Australia.

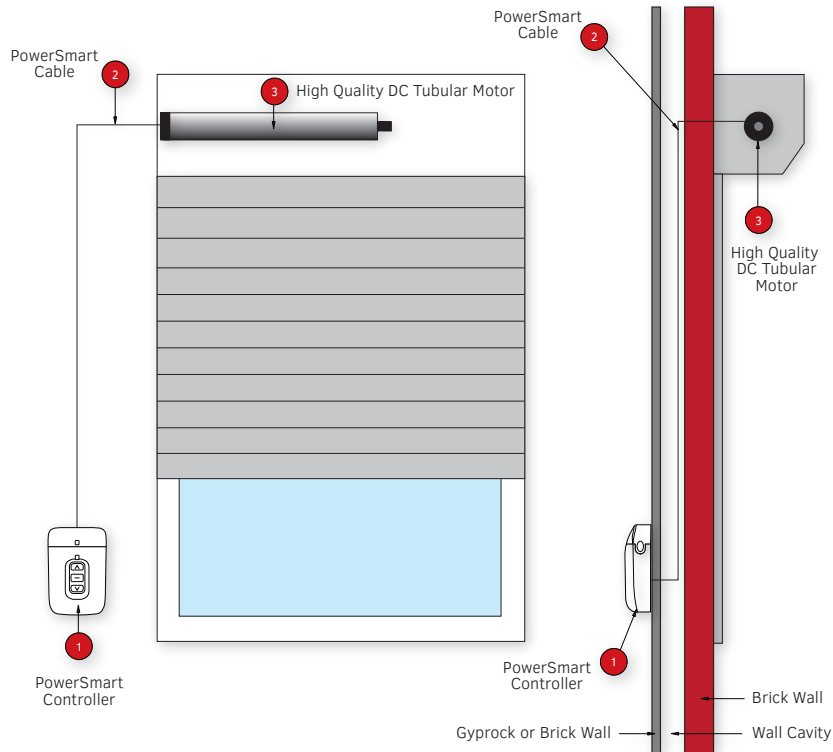
TECHNICAL SPECIFICATIONS

Minimum Shutter Width	500mm
Maximum Shutter Weight	32kg Recommended (Up to 50kg with Assist Spring)
PowerSmart Unit Size	84mm x 126mm x 37mm
Power Supply	12V
Battery Charge Time	3 hours approx
Fully Charged Expected Cycles	45-50 Cycles (average shutter)
Radio Remote Frequency	433.4Mhz
Radio Remote Range	200m in free field

General Note: All dimensions and colours are indicative only and may change without notice. Profile technical specifications and shutter performance may vary in certain applications, eg. wide applications with no solid structure behind the roller shutter. For more information please contact your CW Products representative.

ROLLER SHUTTER AUTOMATION SYSTEMS

POWERSMART™ SINGLE WINDOW SYSTEM AT A GLANCE



- 1 PowerSmart Controller With Built-In Radio Receiver & Removable Battery
- 2 PowerSmart Cable
- 3 PowerSmart 12V DC Tubular Motor

CONTROLLER & RECHARGEABLE BATTERY PACK

The PowerSmart™ Single Window System includes a controller, removable battery and PowerSmart™ charger.* (*Note: minimum of 1 x PowerSmart™ charger for single shutters + 1 x PowerSmart™ charger for every multiple order of 5 shutters. Eg. 1 x charger per 1-5 shutters, 2 x chargers per 6-10 shutters, 3 x chargers per 11-15 shutters, etc.)



Controller With Built-In Radio Receiver

Removable, Rechargeable Battery

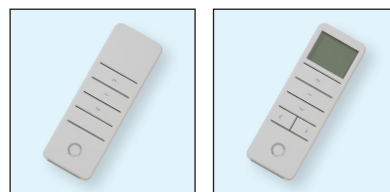
Assembled Controller & Battery

Charger

* PowerSmart controllers must be installed in an indoor environment (for internal use only).

TWO REMOTE CONTROL OPTIONS

Transmitters are powered by a 3 Volt Lithium button battery.



Optima 1 Channel Transmitter

Optima 6 Channel Transmitter

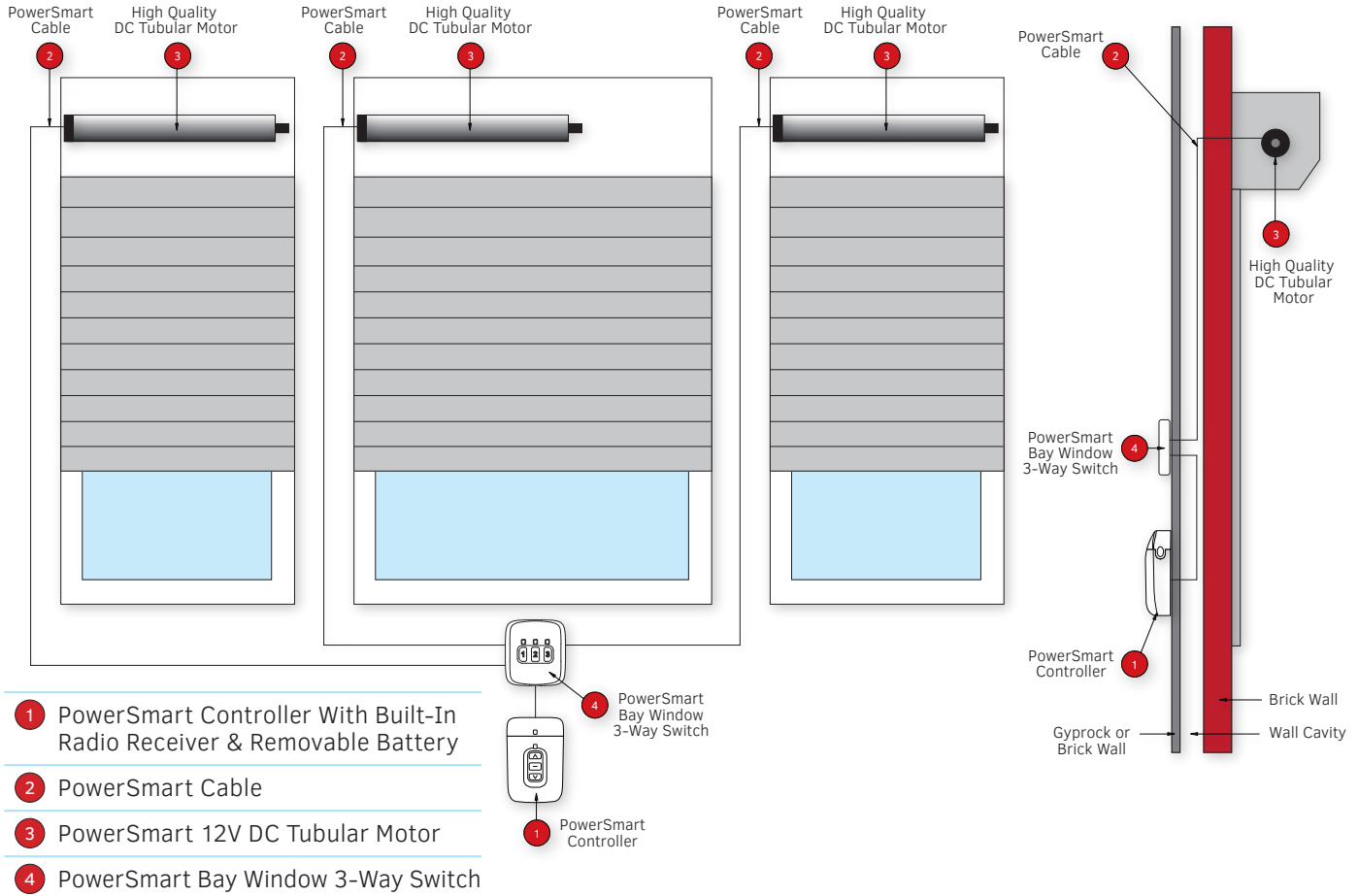
* Compatible with Sensi-Fire Wireless Shutter Safety System. See page 28



To order please complete a [CW Products Made To Measure Roller Shutter Order Form](#).

ROLLER SHUTTER AUTOMATION SYSTEMS

POWERSMART™ BAY WINDOW SYSTEM AT A GLANCE



CONTROLLER, SWITCH & RECHARGEABLE BATTERY PACK

The PowerSmart™ Bay Window System includes a controller, 3-way switch, removable battery and PowerSmart™ charger.* (*Note: minimum of 1 x PowerSmart™ charger for single shutters + 1 x PowerSmart™ charger for every multiple order of 5 shutters. Eg. 1 x charger per 1-5 shutters, 2 x chargers per 6-10 shutters, 3 x chargers per 11-15 shutters, etc.)



Controller With Built-In Radio Receiver



Removable, Rechargeable Battery



Assembled Controller & Battery



PowerSmart Bay Window 3-Way Switch

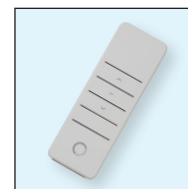


Charger

* PowerSmart controllers must be installed in an indoor environment (for internal use only).

TWO REMOTE CONTROL OPTIONS

Transmitters are powered by a 3 Volt Lithium button battery.



Optima 1 Channel Transmitter



Optima 6 Channel Transmitter

* Compatible with Sensi-Fire Wireless Shutter Safety System. See page 28



ROLLER SHUTTER AUTOMATION SYSTEMS

POWERSMART™ ACCESSORIES

REPLACEMENT POWERSMART™ BATTERIES

Replacement PowerSmart™ Lithium Ion batteries are available.

Description	Product Code
PowerSmart™ Lithium Ion Battery	41-800-200



ADDITIONAL POWERSMART™ CHARGERS

Additional PowerSmart™ 12V Chargers are available.

Description	Product Code
PowerSmart™ 12V Charger	41-800-300



POWERSMART™ MOUNTING BRACKET

PowerSmart™ Mounting Brackets are available.

Description	Product Code
PowerSmart™ Mounting Bracket	41-800-140



POWERSMART™ WALL MOUNTING BLOCK

PowerSmart™ Wall Mounting Blocks for use with 16mm x 10mm conduit are available.

Description	Product Code
PowerSmart™ Wall Mounting Block	41-800-141



POWERSMART™ MOTOR EXTENSION CABLES

PowerSmart™ Motor Extension Cables are available.

Description	Product Code
5 Metre	41-800-400
10 Metre	41-800-404



POWERSMART™ REMOTE CONTROLS

Additional PowerSmart™ Remote Controls (including Cradle) are available.

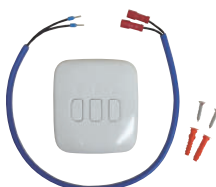
Description	Product Code
Optima 1 Channel	41-600-001
Optima 6 Channel	41-600-006



POWERSMART™ BAY WINDOW 3-WAY SWITCH KIT

PowerSmart™ Bay Window 3-Way Switch Kits are available.

Description	Product Code
PowerSmart™ Bay Window 3-Way Switch Kit	41-800-401



POWERSMART™ BAY WINDOW 3-WAY SWITCH EXTENSION CABLES

PowerSmart™ Bay Window 3-Way Switch Extension Cables are available.

Description	Product Code
5 Metre	41-800-402
10 Metre	41-800-403



ROLLER SHUTTER AUTOMATION SYSTEMS

SOLARSMART™ PLUS ROLLER SHUTTER AUTOMATION

A Greener And Smarter Way To Automate Roller Shutters!



SolarSmart™ Plus is an all-in-one, fully integrated solar automation system that incorporates a 4.2W solar panel, battery, control board and receiver. SolarSmart™ Plus is a greener and smarter way to automate roller shutters. It is the most advanced technology in solar powered roller shutter automation in Australia. Independent of mains power and with no hard wiring, SolarSmart™ Plus harnesses the sun's energy through solar cells (ideally positioned on the roof facing north, and in direct sunlight), which charges a concealed battery system that in turn powers a DC motor for automation. The SolarSmart™ Plus system is controlled via a specialised wireless remote control transmitter.

SolarSmart™ Plus offers an easier, more cost effective, environmental and efficient way to operate roller shutters, and is a much easier way to install motorised roller shutters.

TECHNICAL SPECIFICATIONS

Maximum Surface Area	12m ² roll formed profile 7.5m ² extruded profile
Minimum Shutter Width	500mm
Maximum Shutter Weight	50kg
Maximum Axle Diameter	Octagonal 70mm
Solar Panel/Unit Size	475mm x 95mm x 52mm
Solar Panel	4.2W 273mA 15V
Battery	12V DC NiMH Rechargeable 2600mA
Power Supply	12V
Radio Remote Frequency	433.4Mhz
Radio Remote Range	200m in free field

SUITABLE APPLICATIONS

- Domestic & Commercial Windows.
- Domestic & Commercial Doorways/Enclosures.
- Commercial Shop Fronts.

FEATURES

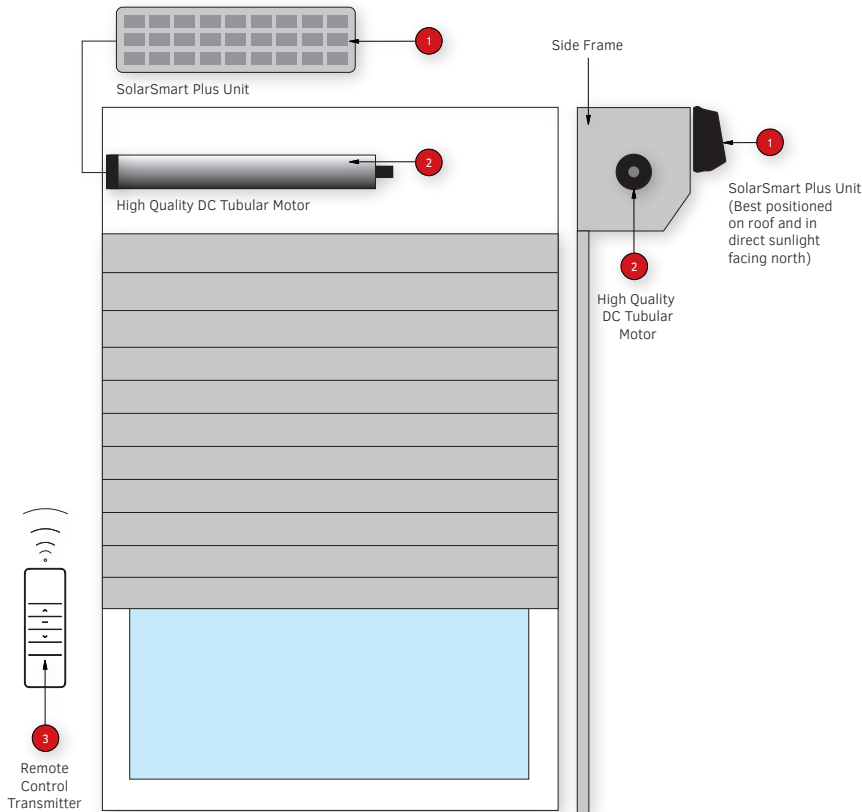
- Completely solar powered.
- Complete all-in-one fully integrated design.
- Green energy & environmentally friendly.
- Saves money on energy costs.
- No drilling or 240V hard wiring.
- Easy & quick to install.
- No need for electricians.
- Sleek & modern design.
- Quick clip mounting design.
- Remote control operated.
- Smooth electronic operation.
- Compatible with Sensi-Fire™ Wireless.
- 5 year Guarantee on motor.
- 1 year Guarantee on solar panel, battery & electronics.
- Designed in Australia.



General Note: All dimensions and colours are indicative only and may change without notice. Profile technical specifications and shutter performance may vary in certain applications, eg. wide applications with no solid structure behind the roller shutter. For more information please contact your CW Products representative.

ROLLER SHUTTER AUTOMATION SYSTEMS

SOLARSMART™ PLUS SYSTEM AT A GLANCE



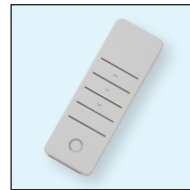
1 SolarSmart Plus Unit (incorporating 4.2W 273mA Solar Panel, 12V DC NiMH 2600mA Rechargeable Battery Pack & Radio Receiver)

2 SolarSmart 12V DC Tubular Motor

3 CW Products Optima Radio Transmitter

TWO REMOTE CONTROL OPTIONS

Transmitters are powered by a 3 Volt Lithium button battery.



Optima
1 Channel
Transmitter



Optima
6 Channel
Transmitter

* Compatible with Sensi-Fire Wireless Shutter Safety System. See page 28



THREE SOLAR PANEL UNIT POSITION OPTIONS

The SolarSmart™ Plus Unit is best positioned on the roof (facing north and in direct sunlight) for optimum performance. The solar panels are a Monocrystalline type with excellent power output even in cloudy conditions. SolarSmart™ Plus Units (incl solar panels) are supplied with two brackets. All wires must be protected from UV radiation and weather with all drill holes well sealed. The SolarSmart™ Plus Unit may require future maintenance and/or replacement. This should be considered in difficult to reach applications like on the second storey of a building.



Roof Mounted
Unit



Unit to Pelmet*



Unit to Wall*

* SolarSmart Plus units are only to be positioned on or above the roller shutter if in direct sunlight and facing north, with a minimum of half a day of sunlight in both Summer and Winter. Otherwise for optimum performance, SolarSmart Plus units should be positioned on the roof in direct sunlight and facing north where possible. If not enough direct sunlight, you may need to move the SolarSmart Plus unit to a north facing or ideal position, with available extension cables.

To order please complete a [CW Products Made To Measure Roller Shutter Order Form](#).

SOLARSMART™ PLUS ACCESSORIES

SOLARSMART™ PLUS MOTOR EXTENSION CABLES

SolarSmart™ Plus Motor Extension Cables are available.

Description	Product Code
5 Metre	41-500-150
10 Metre	41-500-151



SOLARSMART™ PLUS REMOTE CONTROLS

Additional SolarSmart™ Plus Remote Controls (including Cradle) are available.

Description	Product Code
Optima 1 Channel	41-600-001
Optima 6 Channel	41-600-006



ANGLES, FLASHINGS & TUBES












Description	Product Code	Unit Length (Order To Measure)	
CW Products Bay Window Flashing			
 Cream	21-490-101	1 x 2.4m	
 Magnolia Cream	21-490-114	1 x 2.4m	
 Clear Beige	21-490-102	1 x 2.4m	
 White	21-490-103	1 x 2.4m	
 Shale Grey	21-490-104	1 x 2.4m	
 Brown	21-490-105	1 x 2.4m	
 Black	21-490-110	1 x 2.4m	
 Monument	21-490-118	1 x 2.4m	
 Woodland Grey	21-490-115	1 x 2.4m	
CW Products 25mm x 25mm x 1.6mm Angle			
 Cream	21-425-101	1 x 5.8m	
 Magnolia Cream	21-425-114	1 x 5.8m	
 Clear Beige	21-425-102	1 x 5.8m	
 White	21-425-103	1 x 5.8m	
 Shale Grey	21-425-104	1 x 5.8m	
 Brown	21-425-105	1 x 5.8m	
 Black	21-425-110	1 x 5.8m	
 Monument	21-425-118	1 x 5.8m	
 Woodland Grey	21-425-115	1 x 5.8m	
CW Products 25mm x 50mm x 1.6mm Angle			
 Cream	21-450-101	1 x 5.8m	
 Magnolia Cream	21-450-114	1 x 5.8m	
 Clear Beige	21-450-102	1 x 5.8m	
 White	21-450-103	1 x 5.8m	
 Shale Grey	21-450-104	1 x 5.8m	
 Brown	21-450-105	1 x 5.8m	
 Black	21-450-110	1 x 5.8m	
 Monument	21-450-118	1 x 5.8m	
 Woodland Grey	21-450-115	1 x 5.8m	
CW Products 25mm x 70mm x 1.6mm Angle			
 Cream	21-470-101	1 x 5.8m	
 Magnolia Cream	21-470-114	1 x 5.8m	
 Clear Beige	21-470-102	1 x 5.8m	
 White	21-470-103	1 x 5.8m	
 Shale Grey	21-470-104	1 x 5.8m	
 Brown	21-470-105	1 x 5.8m	
 Black	21-470-110	1 x 5.8m	
 Monument	21-470-118	1 x 5.8m	
 Woodland Grey	21-470-115	1 x 5.8m	
CW Products 40mm x 40mm Square Tube			
 Mill Finish	21-480-100	1 x 6.5m	
CW Products 50mm x 50mm Square Tube			
 Mill Finish	21-480-101	1 x 6.5m	

INSTALLATION ACCESSORIES

GUIDES











Description	Product Code	Unit Length (Order To Measure)
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CW Products 53mm x 22mm Guide With Felt For 42mm Single Line & 42mm Double Line Profiles

 Cream	21-119-093	1 x 5.8m
 Magnolia Cream	21-114-193	1 x 5.8m
 Clear Beige	21-102-193	1 x 5.8m
 White	21-103-257	1 x 5.8m
 Shale Grey	21-104-193	1 x 5.8m
 Brown	21-105-431	1 x 5.8m
 Black	21-110-100	1 x 5.8m
 Monument	21-118-101	1 x 5.8m
 Mill Finish	21-116-693	1 x 5.8m
 Anodised Silver	21-111-193 ^{TBD}	1 x 5.8m
 Woodland Grey	21-115-101	1 x 5.8m












CW Products 68mm x 22mm/15mm Guide With Felt For 42mm Single Line & 42mm Double Line Profiles

 Cream	21-101-007	1 x 5.8m
 Magnolia Cream	21-114-127	1 x 5.8m
 Clear Beige	21-102-127	1 x 5.8m
 White	21-103-127	1 x 5.8m
 Shale Grey	21-104-127	1 x 5.8m
 Brown	21-105-127	1 x 5.8m
 Black	21-110-127	1 x 5.8m
 Monument	21-118-127	1 x 5.8m
 Anodised Silver	21-111-127 ^{TBD}	1 x 5.8m
 Woodland Grey	21-115-127	1 x 5.8m












CW Products 68mm x 25mm/14mm Heavy Duty Guide With Felt For 36mm Extruded Profile With Or Without Wing Lock

 Cream	21-101-124	1 x 5.8m
 Magnolia Cream	21-114-531	1 x 5.8m
 Clear Beige	21-102-194	1 x 5.8m
 White	21-103-258	1 x 5.8m
 Shale Grey	21-104-531	1 x 5.8m
 Black	21-110-124	1 x 5.8m
 Monument	21-118-531	1 x 5.8m
 Anodised Silver	21-111-531	1 x 5.8m
 Woodland Grey	21-115-531	1 x 5.8m



CW Products 68mm x 25mm/18mm Guide With Felt For 55mm Widespan & 50mm Extruded Vision Profiles

 Cream	21-101-126	1 x 5.8m
 Magnolia Cream	21-114-532	1 x 5.8m
 Clear Beige	21-102-196	1 x 5.8m
 White	21-103-256	1 x 5.8m
 Shale Grey	21-104-532	1 x 5.8m
 Black	21-110-532	1 x 5.8m
 Monument	21-118-532	1 x 5.8m
 Anodised Silver	21-111-532	1 x 5.8m
 Woodland Grey	21-115-532	1 x 5.8m












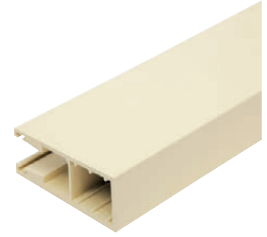
^{TBD} - Product to be discontinued in the future or when stock is depleted.

GUIDES










Description	Product Code	Unit Length (Order To Measure)
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CW Products 68mm x 22mm Heavy Duty Cyclone Guide With Felt For CycloneSafe™ Roller Shutters

 Cream	21-101-005	1 x 5.8m
 Magnolia Cream	21-114-125	1 x 5.8m
 Clear Beige	21-102-125	1 x 5.8m
 White	21-103-125	1 x 5.8m
 Shale Grey	21-104-125	1 x 5.8m
 Black	21-110-005	1 x 5.8m
 Monument	21-118-125	1 x 5.8m
 Anodised Silver	21-111-125 <i>TBD</i>	1 x 5.8m
 Woodland Grey	21-115-125	1 x 5.8m








CW Products 105mm x 37mm/26mm Guide With Felt For 77mm Widespan Profile

 Cream	21-101-128 <i>TBD</i>	1 x 5.8m
 Clear Beige	21-102-128 <i>TBD</i>	1 x 5.8m
 White	21-103-128	1 x 5.8m
 Shale Grey	21-104-128	1 x 5.8m
 Brown	21-105-128 <i>TBD</i>	1 x 5.8m
 Black	21-110-128	1 x 5.8m
 Monument	21-118-128	1 x 5.8m
 Silver	21-111-128	1 x 5.8m
 Woodland Grey	21-115-128	1 x 5.8m



CW Products 60mm x 22mm Guide With Felt With 41mm Front Flange For 42mm Single Line & 42mm Double Line Profiles










 Cream	21-101-006 <i>TBD</i>	1 x 5.8m
 Clear Beige	21-102-006 <i>TBD</i>	1 x 5.8m
 White	21-103-006 <i>TBD</i>	1 x 5.8m
 Black	21-110-006 <i>TBD</i>	1 x 5.8m
 Anodised Silver	21-111-006 <i>TBD</i>	1 x 5.8m



TBD - Product to be discontinued in the future or when stock is depleted.




INSTALLATION ACCESSORIES

BOTTOM BAR SUPPORT

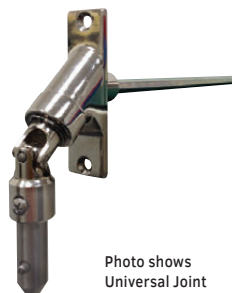
Description	Product Code	Unit Length (Order To Measure)
CW Products 55mm Bottom Bar Foot With Rubber		
 Cream	21-101-110	1 x 5.8m
 Magnolia Cream	21-114-110	1 x 5.8m
 Clear Beige	21-102-160	1 x 5.8m
 White	21-103-220	1 x 5.8m
 Shale Grey	21-104-110	1 x 5.8m
 Black	21-110-112	1 x 5.8m
 Monument	21-118-110	1 x 5.8m
 Anodised Silver	21-111-530	1 x 5.8m
 Woodland Grey	21-115-110	1 x 5.8m



BRACKETS

Description	Product Code	Pack Quantity	
Bay Window Bracket (Adjustable)			135°
	31-999-171	1	
Corner Window Bracket (Adjustable)			90°
	31-999-170	1	
Flat Bracket (Adjustable)			0°
	31-999-172	1	

UNIVERSAL JOINTS











Description	Product Code	Pack Quantity	
Joint 90 Nick Universal Hexagonal Shaft			
	23-999-545	1	
Pivot For Universal Joint			
	23-999-546	1	Photo shows Universal Joint fitted with Pivot

* Universal Joint & Pivot to be ordered separately.

KEY LOCK OPTIONS FOR SPRING LOADED SHUTTERS

Description	Product Code
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CW Products 55mm Bottom Bar For Sliding/Key Lock (Standard) & (Reverse) For Spring Loaded Shutters

	Standard	Reverse
 Cream	21-119-086	21-119-089
 Magnolia Cream	21-114-186	21-114-188
 Clear Beige	21-102-186	21-102-188
 White	21-103-238	21-103-239
 Shale Grey	21-104-186	21-104-188
 Brown	21-105-408	21-105-409
 Black	21-110-186	21-110-188
 Monument	21-118-186	21-118-188
 Anodised Silver	21-111-002	21-111-001
 Woodland Grey	21-115-186	21-115-188



* Supplied standard with chrome 'D' handle on bottom bar.
Specify key lock requirement when ordering

Key Lock Entry On Front Of Shutter

Key Lock Entry On Back Of Shutter

CW Products 47mm Intermediate Slat Or Bottom Bar For Sliding/Key Lock (Standard) & (Reverse) For Spring Loaded Shutters

	Standard	Reverse
 Cream	21-101-011	21-101-011
 Magnolia Cream	21-114-011	21-114-011
 Clear Beige	21-102-011	21-102-011
 White	21-103-011	21-103-011
 Shale Grey	21-104-011	21-104-011
 Black	21-110-011	21-110-011
 Monument	21-118-011	21-118-011
 Anodised Silver	21-111-011	21-111-011
 Woodland Grey	21-115-011	21-115-011



* Supplied standard with recessed dip handle on intermediate slat.
Specify location of handles and key lock requirement when ordering

Key Lock Entry On Front Of Shutter

Key Lock Entry On Back Of Shutter

CW Products 47mm Intermediate Slat For Intermediate Sliding/Key Lock (Standard) & (Reverse) For Spring Loaded Shutters

	Standard	Reverse
 Cream	21-101-011	21-101-011
 Magnolia Cream	21-114-011	21-114-011
 Clear Beige	21-102-011	21-102-011
 White	21-103-011	21-103-011
 Shale Grey	21-104-011	21-104-011
 Black	21-110-011	21-110-011
 Monument	21-118-011	21-118-011
 Anodised Silver	21-111-011	21-111-011
 Woodland Grey	21-115-011	21-115-011



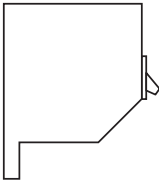
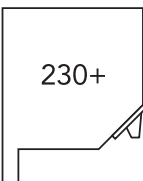
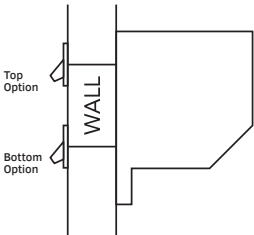
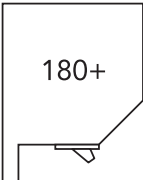
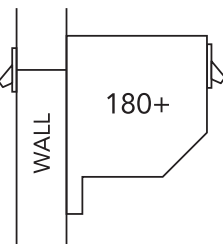
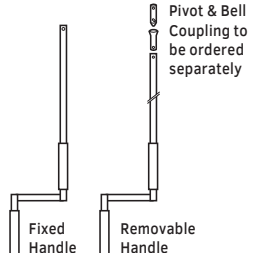
* Supplied standard with recessed dip handle on intermediate slat.
Specify location of handles and key lock requirement when ordering

Key Lock Entry On Front Of Shutter

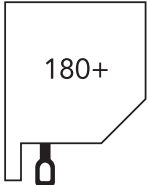
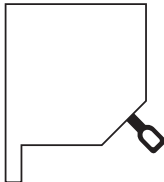
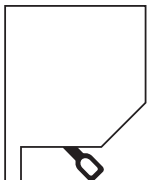

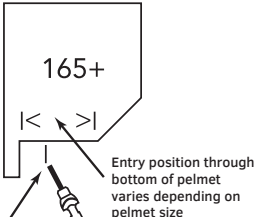
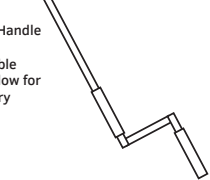
Key Lock Entry On Back Of Shutter

INSTALLATION ACCESSORIES

CONTROL OPTIONS FOR MANUAL OVERRIDE SHUTTERS

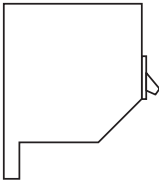
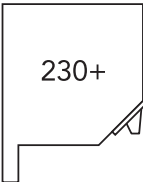
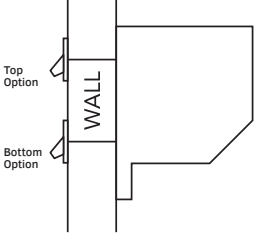
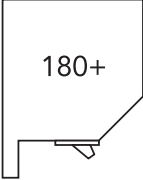
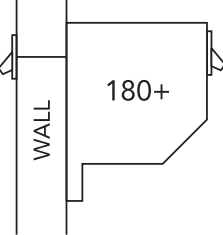
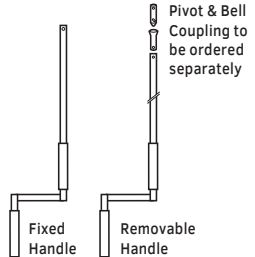
Description	Product Code	Pack Quantity	
<p>Universal Joint Manual Override System - Front Entry</p> <p>For All Pelmet Sizes</p> <p>* Universal Joint supplied with 2 mounting holes.</p>	<p>Specify Manual Override Option When Ordering</p>		
<p>Universal Joint Manual Override System - Front 3/4 Entry</p> <p>For 230mm, 250mm & 300mm Pelmet</p> <p>* Universal Joint supplied with 2 mounting holes.</p>	<p>Specify Manual Override Option When Ordering</p>		
<p>Universal Joint Manual Override System - Back Entry</p> <p>For All Pelmet Sizes</p> <p>* Universal Joint supplied with 2 or 4 mounting holes.</p>	<p>Specify Manual Override Option When Ordering</p>		
<p>Universal Joint Manual Override System - Front Bottom Entry</p> <p>For 180mm, 205mm, 230mm, 250mm & 300mm Pelmet</p> <p>* Universal Joint supplied with 2 mounting holes.</p>	<p>Specify Manual Override Option When Ordering</p>		
<p>Universal Joint Manual Override System - Dual Control (Back & Front Top Entry)</p> <p>For 180mm, 205mm, 230mm, 250mm & 300mm Pelmet</p> <p>* Reverse Universal Joint supplied with 2 or 4 mounting holes. Front Universal Joint supplied with 2 mounting holes.</p>	<p>Specify Manual Override Option When Ordering</p>		
<p>Nickel Plated Crank Handle For Use With Universal Joint</p> <p>Fixed Handle Option</p> <p>Removable Handle Option</p> <p>Pivot For Universal Joint*</p> <p>Bell Coupling For Universal Joint*</p> <p>* Pivot & Bell Coupling to be ordered separately with removable handle option.</p>	<p>23-104-255</p> <p>23-104-255</p> <p>23-999-546</p> <p>23-999-440</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p>	

CONTROL OPTIONS FOR MANUAL OVERRIDE SHUTTERS

Description	Product Code	Pack Quantity	
<p>Eyelet Manual Override System - Straight Bottom Entry</p> <p>For 180mm, 205mm, 230mm, 250mm & 300mm Pelmets</p>	<p>Specify Manual Override Option When Ordering</p>		
<p>Eyelet Manual Override System - Front 3/4 Entry</p> <p>For All Pelmet Sizes</p>	<p>Specify Manual Override Option When Ordering</p>		
<p>Eyelet Manual Override System - Angled Front Bottom Entry</p> <p>For All Pelmet Sizes</p>	<p>Specify Manual Override Option When Ordering</p>		
<p>Crank Handle With Hook For Use With Eyelet Manual Override System</p> <p>L = 160cm</p>	<p>23-999-521</p>	<p>1</p>	
<p>Secret Manual Override System - Front Bottom Entry Only</p> <p>For 165mm, 180mm, 205mm, 230mm, 250mm & 300mm Pelmets</p>	<p>Specify Manual Override Option When Ordering</p>		 <p>Entry position through bottom of pelmet varies depending on pelmet size</p>
<p>Crank Handle For Use With Secret Manual Override System</p> <p>L = 125cm</p>	<p>23-999-522</p>	<p>1</p>	<p>Secret Manual Override Crank Handle comes with adjustable/flexible entry head to allow for easy angled entry</p> 

INSTALLATION ACCESSORIES

CONTROL OPTIONS FOR GEAR ACE SHUTTERS

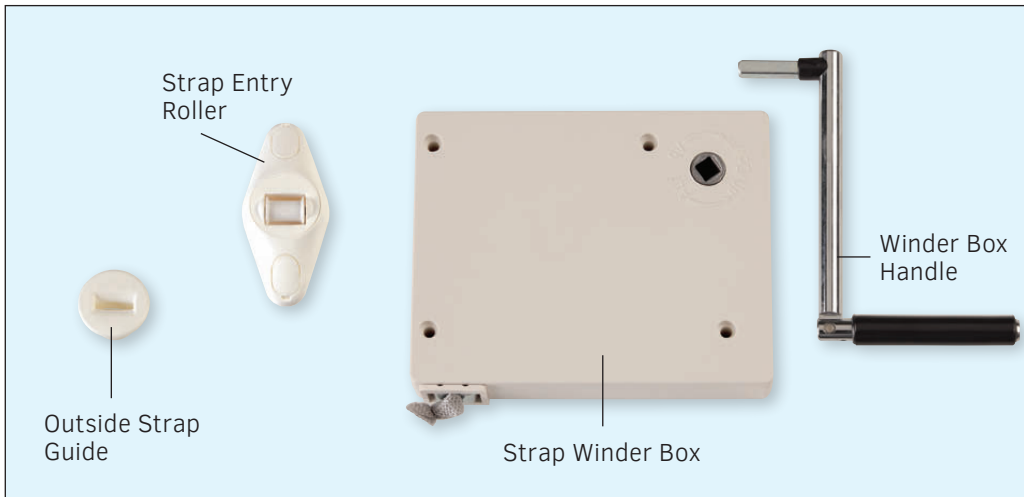
Description	Product Code	Pack Quantity	
Universal Joint Manual Gear Ace System - Front Entry For All Pelmet Sizes	Specify Gear Ace Control Option When Ordering		
* Universal Joint supplied with 2 mounting holes.			
Universal Joint Manual Gear Ace System - Front 3/4 Entry For 230mm, 250mm & 300mm Pelmet Sizes	Specify Gear Ace Control Option When Ordering		
* Universal Joint supplied with 2 mounting holes.			
Universal Joint Manual Gear Ace System - Back Entry For All Pelmet Sizes	Specify Gear Ace Control Option When Ordering		
* Universal Joint supplied with 2 or 4 mounting holes.			
Universal Joint Manual Gear Ace System - Front Bottom Entry For 180mm, 205mm, 230mm, 250mm & 300mm Pelmet Sizes	Specify Gear Ace Control Option When Ordering		
* Universal Joint supplied with 2 mounting holes.			
Universal Joint Manual Gear Ace System - Dual Control (Back & Front Top Entry) For 180mm, 205mm, 230mm, 250mm & 300mm Pelmet Sizes	Specify Gear Ace Control Option When Ordering		
* Reverse Universal Joint supplied with 2 or 4 mounting holes. Front Universal Joint supplied with 2 mounting holes.			
Nickel Plated Crank Handle For Use With Universal Joint			
Fixed Handle Option	23-104-255	1	
Removable Handle Option	23-104-255	1	
Pivot For Universal Joint*	23-999-546	1	
Bell Coupling For Universal Joint*	23-999-440	1	
* Pivot & Bell Coupling to be ordered separately with removable handle option.			

CONTROL KIT COMPONENT SUMMARIES

STRAP WINDER CONTROL KITS

The following components are included in all strap winder control kits for made to measure roller shutters.

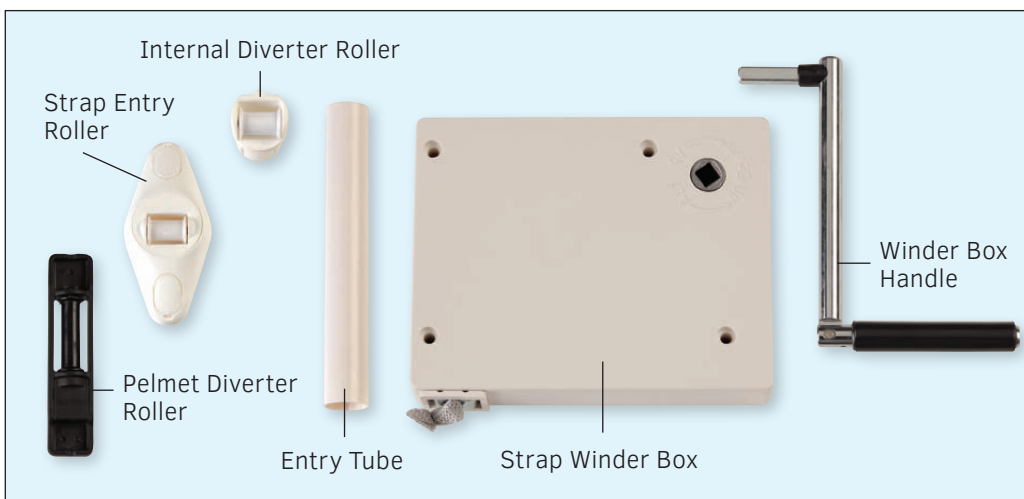
FACE FIT



Product Code

40-100-101

REVEAL FIT



Product Code

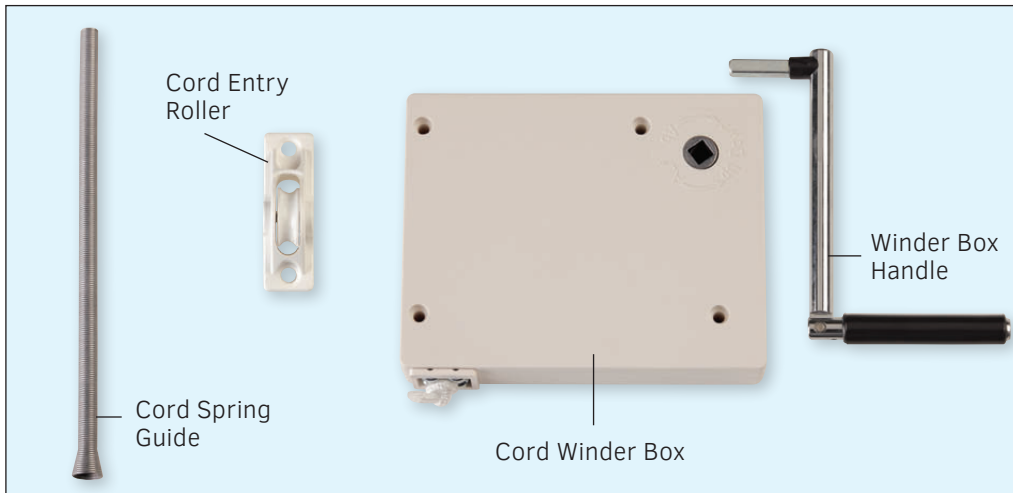
40-100-103

CONTROL KIT COMPONENT SUMMARIES

CORD WINDER CONTROL KITS

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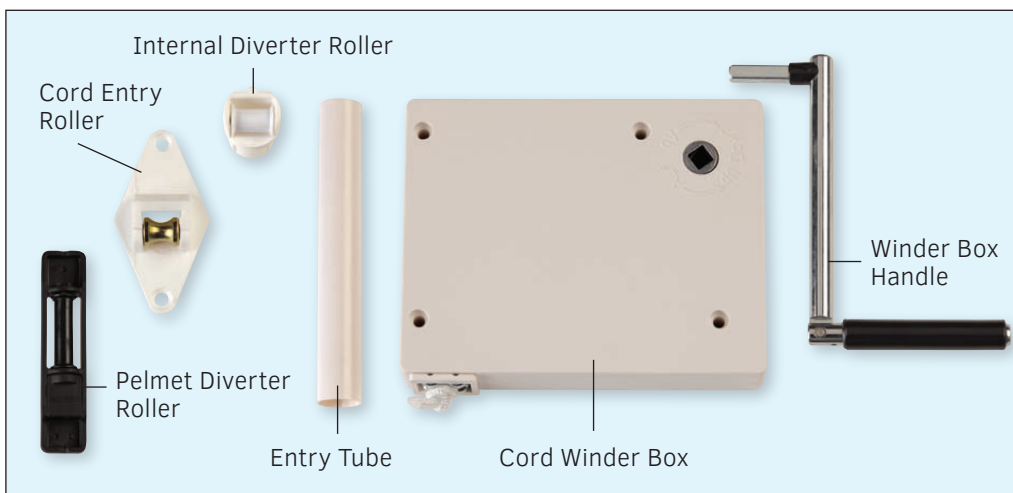
FACE FIT



Product Code

40-100-100

REVEAL FIT



Product Code

40-100-102

STEEL CABLE WINDER CONTROL KIT

The following components are included in all steel cable winder control kits for made to measure roller shutters.

FACE FIT ONLY



Product Code

40-100-108

CONTROL KIT COMPONENT SUMMARIES

STRAP COILER CONTROL KITS

The following components are included in all strap coiler control kits for made to measure roller shutters.

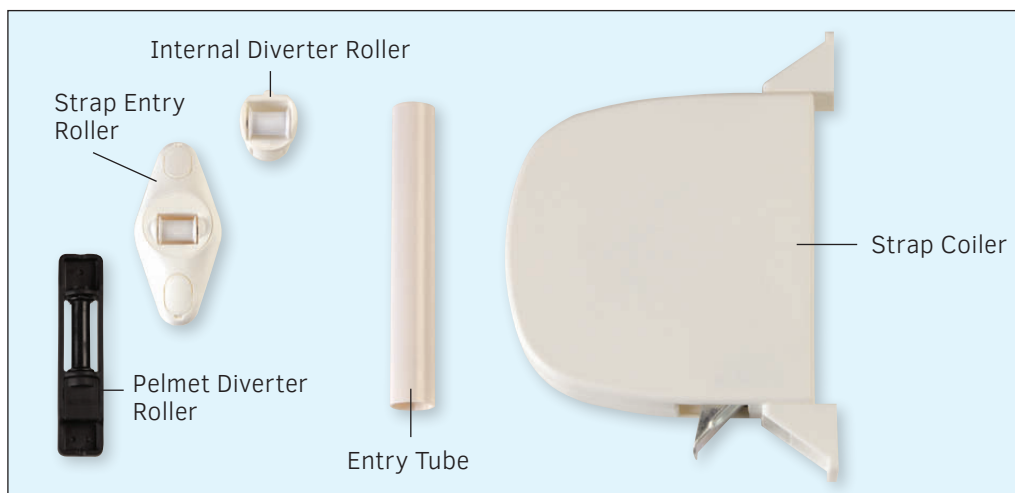
FACE FIT



Product Code

40-100-104

REVEAL FIT



Product Code

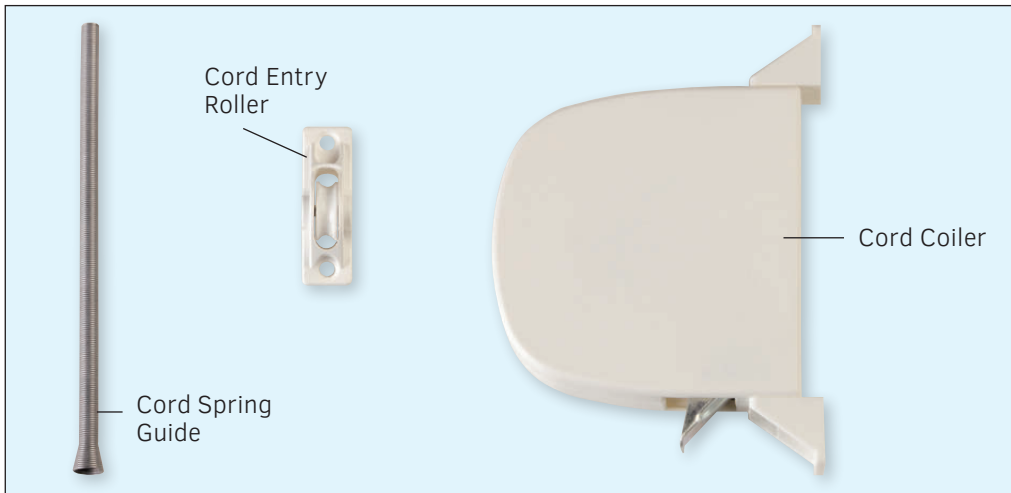
40-100-105

CONTROL KIT COMPONENT SUMMARIES

CORD COILER CONTROL KITS

The following components are included in all cord coiler control kits for made to measure roller shutters.

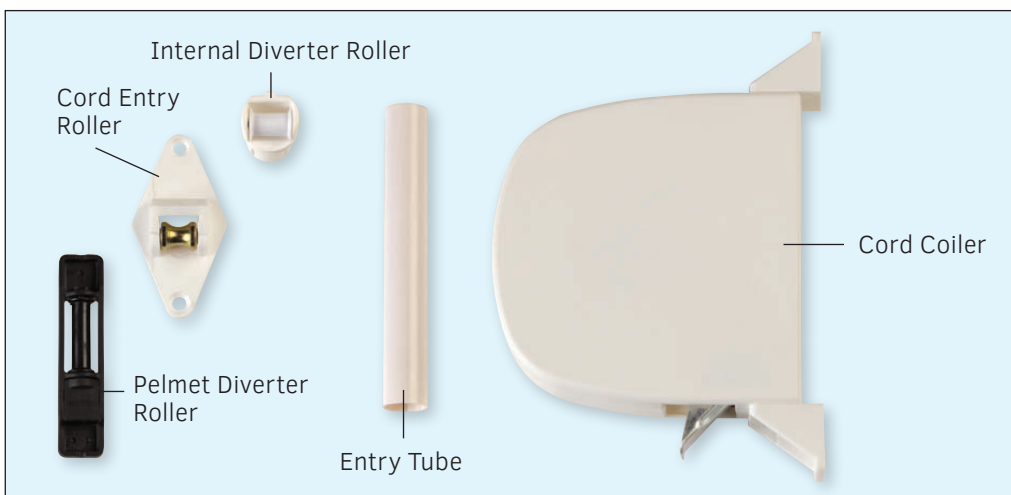
FACE FIT



Product Code

40-100-106

REVEAL FIT



Product Code

40-100-107

TIPS FOR MEASURING ROLLER SHUTTERS

BASIC TIPS FOR MEASURING

Here are some handy tips for correctly measuring your required Roller Shutter size.

All measurements must be made with care and accuracy before placing an order for manufacture. An incorrectly measured opening can result in your Roller Shutter being manufactured at the wrong size and this can be costly.

Please note, always supply measurements in millimetres and please DO NOT round off measurements.

- Width:** Measurement to be taken from reveal edge to reveal edge (window or door opening).¹
- Height:** Measurement to be taken from sill/ground (bottom of window or door opening) to lintel (top of window or door opening).²
- Guides:** Allow room to fit side guides on each side of the window or door (see Notes on right).³
- Pelmet:** Allow enough room above the window or door for the pelmet box.⁴
- Controls:** Consider which side of the window or door (looking from outside and inside) are the controls to be positioned.⁵
- Manual Controls:** Allow enough room for where the control system (including a handle where applicable) is to be positioned inside the building.⁵
- Window Sill/Door Step:** Check if the window has a sill or the door has a step or firm ground at the base. If not then you will need to order a bottom sill guide or bottom angle.⁶
- Windows:** Consider how the window opens. Does it slide, or open out? This will determine if the Roller Shutter can be affixed Face Fit or Reveal Fit.
- Windows that open out will normally require a Face Fit Roller Shutter to ensure the window can continue to be opened once the roller shutter has been installed.
- With Reveal Fit Roller Shutters, it is important that the guides are installed a minimum of 50mm from the window face.⁷

NOTES

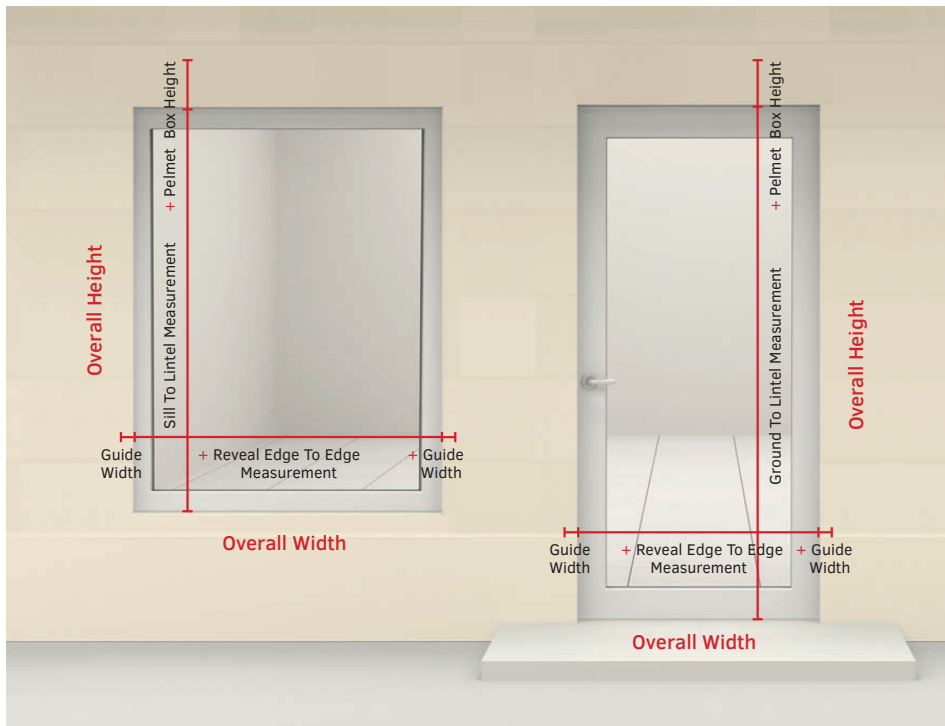
- 1) All width measurements must be in mm.
- 2) All height measurements must be in mm.
- 3) Always allow space for guides each side of the window or door.
NB. Allow 53mm on each side for CW Products Standard Roller Shutters.
NB. Allow 68mm on each side for CW Products FireSafe™, CycloneSafe™, EasyView™ and security extruded Roller Shutters.
NB. Allow 105mm on each side for CW Products 77mm Widespan Roller Shutters.
- 4) All spaces above opening for pelmet must be in mm.
- 5) Always consider the control position looking from both the outside and inside for clearance. (Specify the control position when ordering as L or R from the pelmet facing side.)
- 6) Is a window sill or door step required? Consider a bottom sill guide or bottom angle.
- 7) Windows that open out require a Face Fit application. Reveal Fit applications must have a 50mm clearance from window face.

TIPS FOR MEASURING ROLLER SHUTTERS

MEASURING INSTRUCTIONS

Standard Face Fit Roller Shutters

This Roller Shutter fixing method has **the side guides affixed to the face of the building** and **the pelmet box is affixed above the window or door opening**.



Overall Width:

Measure from reveal edge to reveal edge (opening size) + 106mm for 53mm guides.

Measure from reveal edge to reveal edge (opening size) + 136mm for 68mm guides.

Measure from reveal edge to reveal edge (opening size) + 210mm for 105mm guides.

NB. For Face Fit Roller Shutters, you must make sure you measure the width of the opening in 3 positions (bottom, middle and top) and provide the widest measurement.

Overall Height:

Measure from sill/ground to lintel (opening size) + pelmet box height (if applicable).



Example:

Window frame opening size is 1000mm x 1000mm.

Overall Width 1000mm + 106mm (for 53mm guides) = 1106mm.

Overall Height 1000mm + pelmet box height (for 165mm pelmet) = 1165mm.

TIPS FOR MEASURING ROLLER SHUTTERS

MEASURING INSTRUCTIONS

Standard Reveal Fit Roller Shutters

This Roller Shutter fixing method has **the side guides affixed to the inside of the window or door opening** and **the pelmet box is affixed at the top within the inside of the window or door opening**.



Overall Width:

Measure from reveal edge to reveal edge (opening size) - 4mm.

* For special applications that use a 60mm x 22mm/41mm Front Flange Guide, measure from reveal edge to reveal edge (opening size) - 4mm + 120mm to allow for the 60mm Front Flange Guides which are affixed within the reveal but sit on the face of the building.

NB. For Reveal Fit Roller Shutters, you must make sure you measure the width of the opening in 3 positions (bottom, middle and top) and provide the narrowest measurement. Pay particular attention to the top where the pelmet is to be positioned, and only supply the narrowest width measurement over the pelmet height position.

Overall Height:

Measure from sill/ground to lintel (opening size).

Example:

Window frame opening size is 1000mm x 1000mm.

Overall Width 1000mm
- 4mm = 996mm.

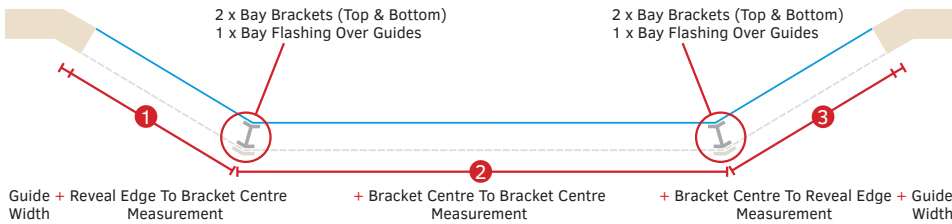
Overall Height = 1000mm.

TIPS FOR MEASURING ROLLER SHUTTERS

MEASURING INSTRUCTIONS

Bay Window Face Fit Roller Shutters

This Roller Shutter fixing method has **the side guides affixed to the face of the building while the inner guides are affixed to brackets** and **the pelmet boxes on all 3 faces are affixed above the bay window opening**.



Overall Width:

Shutter 1

Measure from reveal edge to centre meeting point of bracket (a jig or bay window bracket can be used for accurate meeting point measurement) + 53mm for 53mm guides, 68mm for 68mm guides or 105mm for 105mm guides.

Shutter 2

Measure from centre meeting point of bracket (between Shutter 1 & 2) to centre meeting point of bracket (between Shutter 2 & 3).

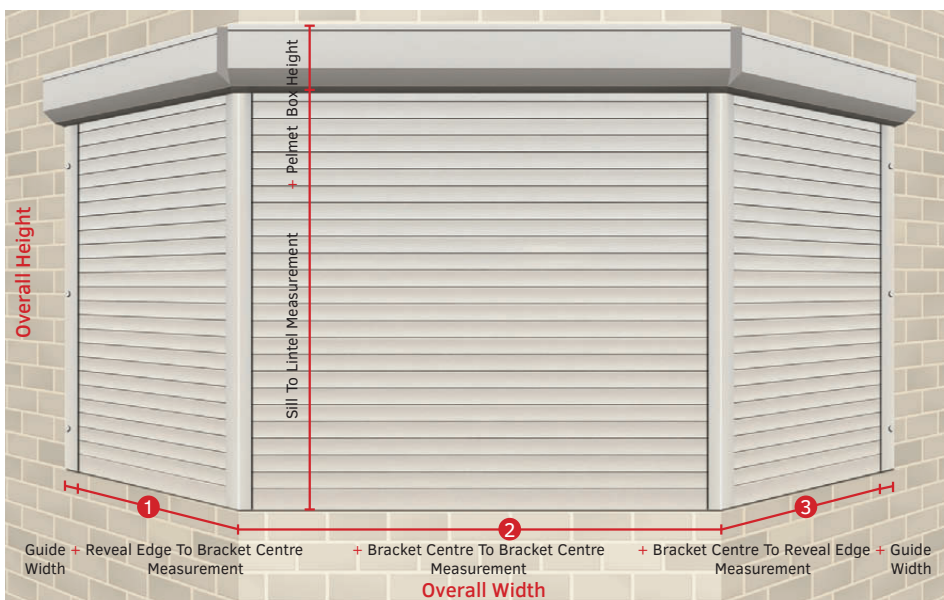
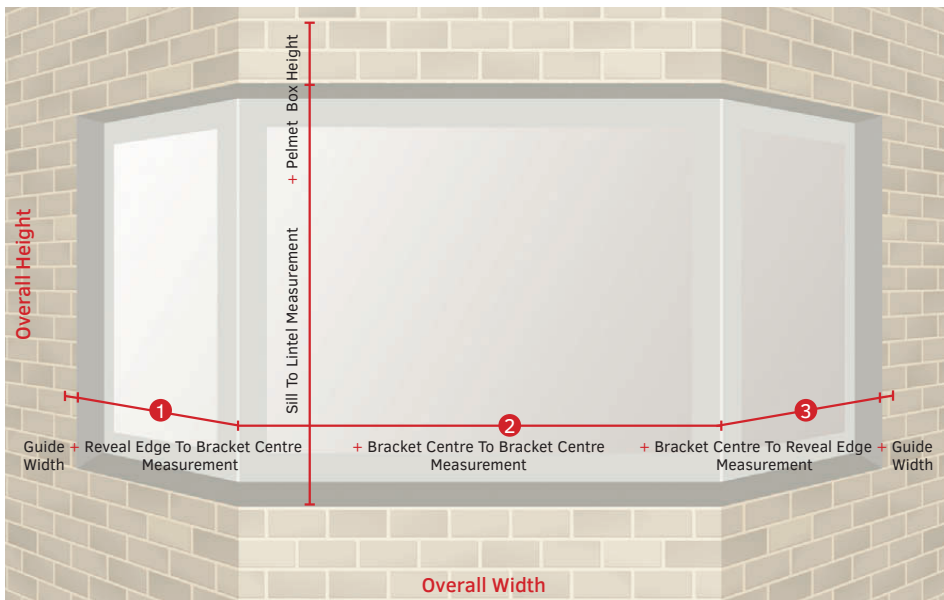
Shutter 3

Measure from centre meeting point of bracket (between Shutter 2 & 3) to reveal edge + 53mm for 53mm guides, 68mm for 68mm guides or 105mm for 105mm guides.

NB. For Bay Window Face Fit Roller Shutters, you must make sure you measure the width for all 3 faces of the opening in 3 positions (bottom, middle and top) and provide the widest measurement for each of the 3 roller shutters.

Overall Height:

Measure from sill to lintel (opening size) + pelmet box height (if applicable).

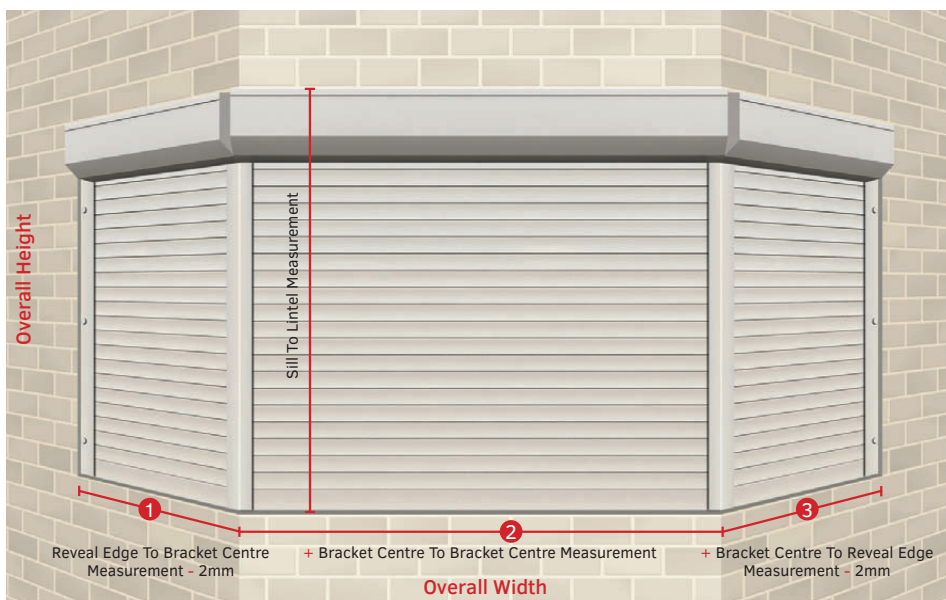
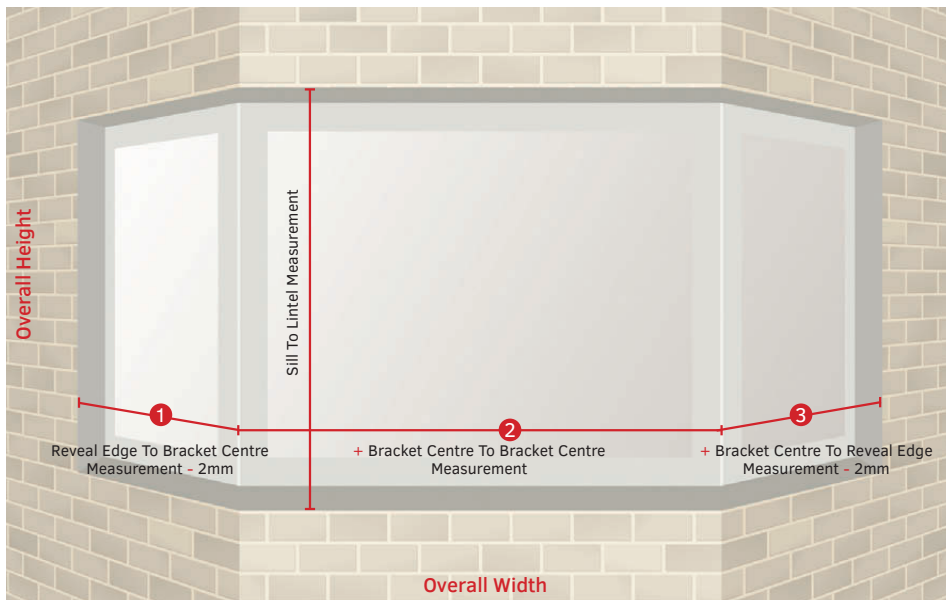
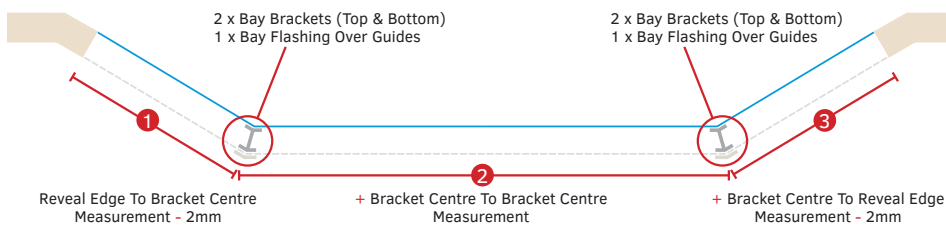


TIPS FOR MEASURING ROLLER SHUTTERS

MEASURING INSTRUCTIONS

Bay Window Reveal Fit Roller Shutters

This Roller Shutter fixing method has **the side guides affixed to the inside of the bay window opening while the inner guides are affixed to brackets and the pelmet boxes on all 3 faces are affixed at the top within the inside of the bay window opening.**



Overall Width:

Shutter 1

Measure from reveal edge to centre meeting point of bracket (a jig or bay window bracket can be used for accurate meeting point measurement) - 2mm.

Shutter 2

Measure from centre meeting point of bracket (between Shutter 1 & 2) to centre meeting point of bracket (between Shutter 2 & 3).

Shutter 3

Measure from centre meeting point of bracket (between Shutter 2 & 3) to reveal edge - 2mm.

NB. For Bay Window Reveal Fit Roller Shutters, you must make sure you measure the width for all 3 faces of the opening in 3 positions (bottom, middle and top) and provide the narrowest measurement for each of the 3 roller shutters. Pay particular attention to the top where the pelmet is to be positioned, and only supply the narrowest width measurement over the pelmet height position.

Overall Height:

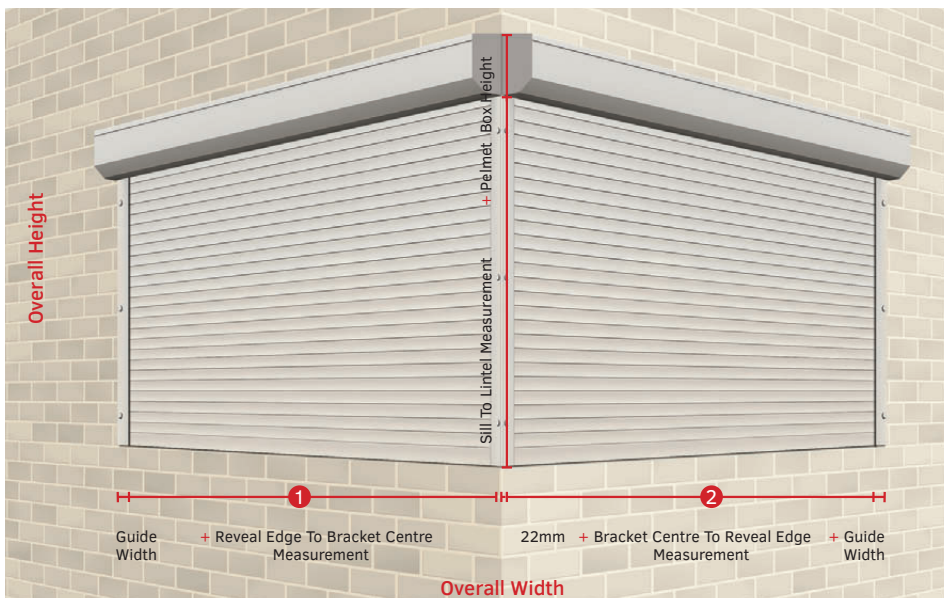
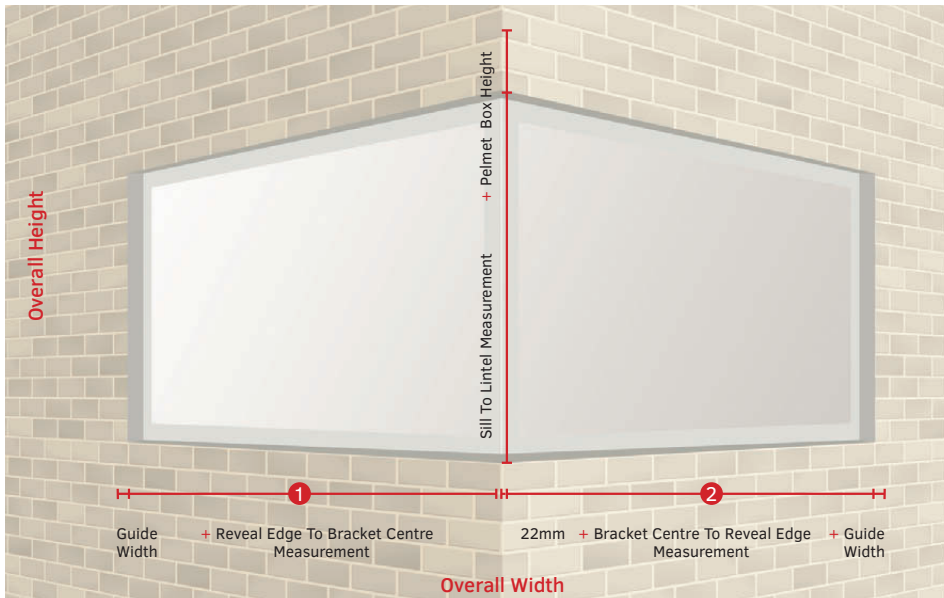
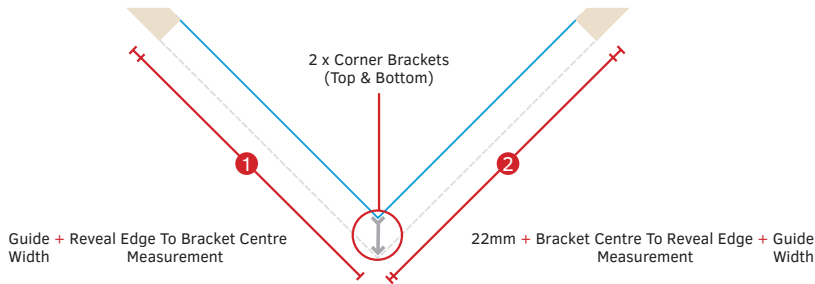
Measure from sill to lintel (opening size).

TIPS FOR MEASURING ROLLER SHUTTERS

MEASURING INSTRUCTIONS

Corner Window Face Fit Roller Shutters

This Roller Shutter fixing method has **the side guides affixed to the face of the building while the inner guides are affixed to brackets & each other** and **the pelmet boxes on both faces are affixed above the window opening**.



Overall Width:

Shutter 1

Measure from reveal edge to centre meeting point of bracket (a jig or corner window bracket can be used for accurate meeting point measurement) + 53mm for 53mm guides, 68mm for 68mm guides or 105mm for 105mm guides.

Shutter 2

Measure from centre meeting point of bracket (between Shutter 1 & 2) to reveal edge + 53mm for 53mm guides, 68mm for 68mm guides or 105mm for 105mm guides + an additional 22mm to allow for the overlapping of guides.

NB. For Corner Window Face Fit Roller Shutters, you must make sure you measure the width for both faces of the opening in 3 positions (bottom, middle and top) and provide the widest measurement for each of the 2 roller shutters.

Overall Height:

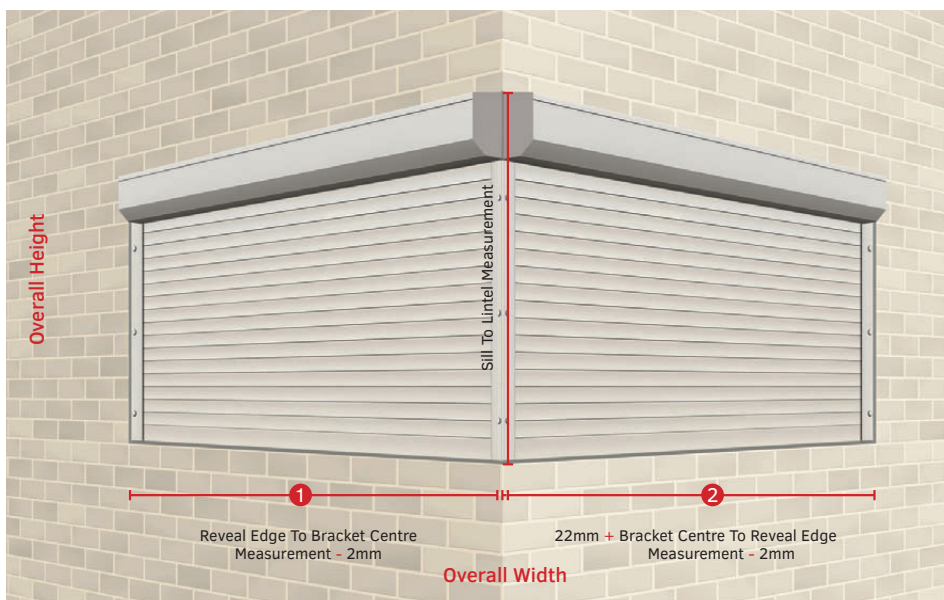
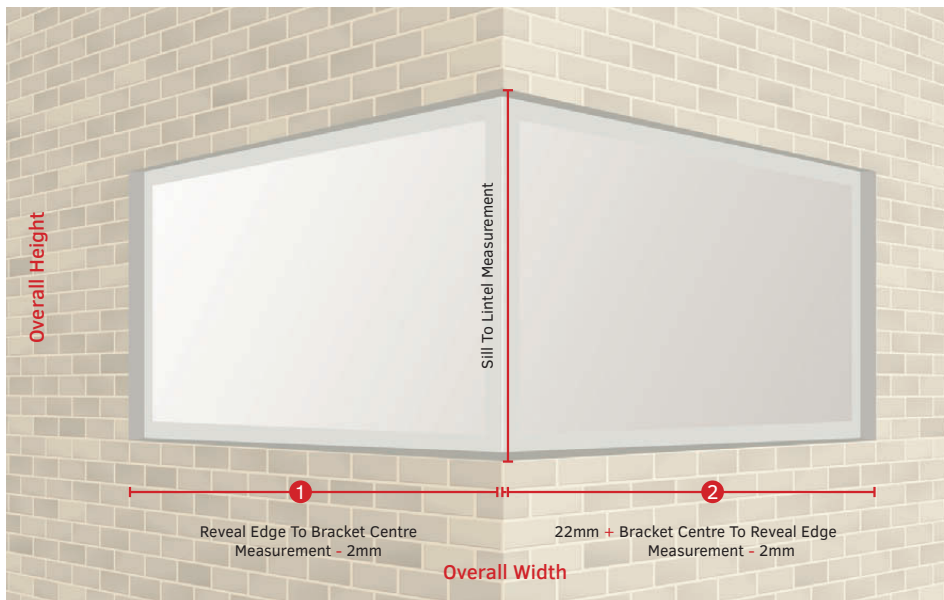
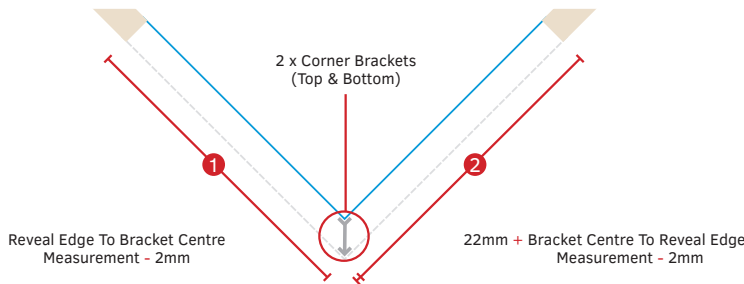
Measure from sill to lintel (opening size) + pelmet box height (if applicable).

TIPS FOR MEASURING ROLLER SHUTTERS

MEASURING INSTRUCTIONS

Corner Window Reveal Fit Roller Shutters

This Roller Shutter fixing method has **the side guides affixed to the inside of the corner window opening while the inner guides are affixed to brackets & each other and the pelmet boxes on both faces are affixed at the top within the inside of the window opening.**



Overall Width:

Shutter 1

Measure from reveal edge to centre meeting point of bracket (a jig or corner window bracket can be used for accurate meeting point measurement) - 2mm.

Shutter 2

Measure from centre meeting point of bracket (between Shutter 1 & 2) to reveal edge - 2mm + an additional 22mm to allow for the overlapping of guides.

NB. For Corner Window Reveal Fit Roller Shutters, you must make sure you measure the width for both faces of the opening in 3 positions (bottom, middle and top) and provide the narrowest measurement for each of the 2 roller shutters. Pay particular attention to the top where the pelmet is to be positioned, and only supply the narrowest width measurement over the pelmet height position.

Overall Height:

Measure from sill to lintel (opening size).

WARRANTY STATEMENT & CARE GUIDE

CW PRODUCTS WARRANTY STATEMENT

CW Products provides an extensive warranty on all CW Products roller shutter & home automation products, and warrants all products will be free from defects in materials and workmanship under normal use for the prescribed warranty periods.

All CW Products roller shutter & home automation products will remain structurally sound, provided the product is not subject to physical abuse, misuse, neglect or exposure to extreme weather conditions.

This warranty does not cover damage to the roller shutter or home automation product through failure to follow CW Products' instructions with respect to measurement, installation, cleaning or maintenance, unauthorised repairs or alterations, accidents, misuse, abuse, acts of God or normal wear and tear including normal colour fading.

This warranty is for the benefit of the original purchaser and is not transferable. All warranty claims must be submitted to the original retailer who supplied and installed the product, with proof of purchase, details regarding the product problem/issue and the location of the product.

This warranty solely covers the replacement or repair of a faulty product or component.

RECOMMENDED CONSUMER CARE FOR CW PRODUCTS ROLLER SHUTTERS

Regular inspection and cleaning of CW Products roller shutters is important and highly recommended, with a non-abrasive cloth or sponge and mild soapy water.

For any external applications it is important to remove salt residue, gum and tannins that may drop from trees or any other residue spills, as these may contain corrosive properties.

Stainless steel, aluminium and powder coat finishes can be affected by salt air conditions, where corrosion can build up on these surfaces, so regular cleaning is critical. In high salinity areas, it is necessary to clean and maintain shutters every 2-4 weeks.

When cleaning, ensure water does not enter the pelmet especially if the shutters are operated electronically to prevent damage to the motor.

CW Products do not recommend using grease or regular lubricants, as these attract dust and grit, which increases wear and tear. Instead, a dry silicone lubricant is recommended.

CW PRODUCTS WARRANTY PERIODS

CW Products Made To Measure Roller Shutters

5 Years Aluminium Shutters
& Manufacturing,
Paint Finish



2 Years Hardware & Accessories

SIMU Tubular Motors & Control Systems

5 Years Tubular Motors
& Control Systems



CW Products Home Automation Systems

5 Years Motors

1 Year Solar Panels, Batteries
& Controllers



1 Year All Electronics



TERMS & CONDITIONS OF SALE

1. DEFINITIONS

- 1.1 In these Conditions:
- (1) **"Agreement"** means the agreement between CW PRODUCTS and the Buyers consisting of the Purchase Order, these conditions and any terms agreed in writing by the parties;
 - (2) **"Buyer"** means the entity with whom CW PRODUCTS contracts to supply the Goods;
 - (3) **"Conditions"** means the terms and conditions contained in this document and includes those terms, if any, imposed by law that cannot be excluded;
 - (4) **"Goods"** means goods sold by CW PRODUCTS pursuant to the Agreement;
 - (5) **"GST"** means GST as defined in A New Tax System (Goods and Services Tax) Act 1999 as amended from time to time or any replacement or other relevant legislation and regulations;
 - (6) **"Purchase Order"** means the Buyer's order to purchase the Goods to which these Conditions apply; and
 - (7) **"CW PRODUCTS"** means CW PRODUCTS ABN 19 810 045 945, its successors and assigns.

2. AGREEMENT

- 2.1 The Agreement is the entire agreement between CW PRODUCTS and the Buyer for the supply of the Goods to the Buyer.
- 2.2 Any variation to the Agreement must be in writing signed by CW PRODUCTS.
- 2.3 These Conditions replace any standard terms contained in any document issued by the Buyer.
- 2.4 The Agreement does not create or evidence an agency, partnership, joint venture, or the relationship of employer and employee.
- 2.5 If anything in these Conditions is or becomes for any reason unenforceable, illegal or void then it is severed and the rest of these Conditions remain in force. If anything in these Conditions is unenforceable, illegal or void in 1 jurisdiction but not in another jurisdiction, it is severed only in respect of the operation of these Conditions in the jurisdiction where it is unenforceable, illegal or void.

3. PRICE

- 3.1 Unless otherwise agreed in writing by CW PRODUCTS, the price payable by the Buyer for the Goods is the net price of the Goods only, FOB point of shipment, is quoted, advertised or otherwise indicated by CW PRODUCTS ("**Price**").
- 3.2 The Price does not include the cost of insurances, shipping expenses, customs duties, Federal, State and local taxes, duties and imposts, and other costs and expenses. These are payable by the Buyer in addition to the Price where applicable.
- 3.3 Unless GST is expressly included, the price payable for any supply made under or in connection with these Conditions does not include GST.
- 3.4 To the extent that any supply is a taxable supply, the GST exclusive consideration otherwise payable for that supply is increased by an amount equal to that consideration multiplied by the rate at which GST is imposed in respect of the supply, and is payable at the same time.
- 3.5 Each party agrees to do all things, including providing tax invoices and other documentation, that may be necessary to enable the other party to claim any input tax credit, adjustment or refund in relation to any amount of GST paid or payable.

4. PURCHASE ORDERS

- 4.1 All Purchase Orders must be made in writing by the Buyer and will be subject to acceptance by CW PRODUCTS.
- 4.2 CW PRODUCTS reserves the right to accept or reject in its absolute discretion any Purchase Order it receives.
- 4.3 Any quotation issued by CW PRODUCTS is not an offer or obligation to sell but an invitation to treat only. A quotation expires 30 days from the date of quotation unless agreed in writing by CW PRODUCTS.

5. DELIVERY DAYS

- 5.1 CW PRODUCTS will make every effort to deliver the Goods in the shortest possible time.
- 5.2 CW PRODUCTS will have no liability whatsoever (including liability for negligence) for any loss or damage consequential or otherwise if the Goods are not delivered or delivery is delayed.
- 5.3 Delayed delivery will not entitle the Buyer to cancel a Purchase Order.
- 5.4 Any statement made by CW PRODUCTS as to the date for delivery of the Goods is an estimate only.

6. ACCEPTANCE OF GOODS

- 6.1 The Buyer must inspect the Goods upon delivery.
- 6.2 The Buyer must give CW PRODUCTS written notice within 14 days of delivery of any matter or thing (including short delivery) that the Buyer alleges is not in accordance with the Agreement. If such notice is not given then to the extent permitted by law the Buyer will be deemed to have accepted the Goods and must pay for them in accordance with the Agreement.

7. RETURNS

- 7.1 CW PRODUCTS may authorise returns of Goods within 30 days of delivery by issuing the Buyer with a Return Authorisation Number in writing.
- 7.2 CW PRODUCTS will only accept returns accompanied by a Return Authorisation Number.
- 7.3 The Buyer must prepay all costs of returning Goods, including CW PRODUCTS re-stocking fee, which is 10% of the Price. All Goods returned must be insured, packed in their original packaging and carriage must be prepaid by Buyer.

8. PAYMENT

- 8.1 Should an account facility be made available to the Buyer by CW PRODUCTS, the Buyer must pay for the Goods within 30 days from the date of CW PRODUCTS invoice to the Buyer. In the absence of an account facility being made available, the Buyer must either, at the option of CW PRODUCTS, make payment at the time of placing the Purchase Order or on demand.
- 8.2 Payment for the Goods must be made in cleared funds.
- 8.3 Any overdue payment will attract interest until the time of payment at a rate equal to 3 percentage points above Westpac Banking Corporation's Indicator Lending Rate. Interest accrues on a daily basis.
- 8.4 Should the Buyer default in the payment of any monies due under this Agreement then all monies due to CW PRODUCTS shall at the option of CW PRODUCTS immediately become due and payable.
- 8.5 Any collection costs incurred by CW PRODUCTS in connection with recovering any outstanding monies, including debt collection agency fees and legal costs (calculated on a solicitor and client basis) shall be reimbursed by the Customer.
- 8.6 The Buyer is not entitled to defer, offset or withhold payment in whole or in part for any reason unless agreed to by CW PRODUCTS in writing.
- 8.7 If the Buyer is the trustee of a trust it enters into this Agreement in its capacity as trustee of the trust and it warrants to CW PRODUCTS that the trust deed establishing the trust allows the trustee to be indemnified by the trust.
- 8.8 Where the Goods are supplied to the Buyer on credit, the Buyer must (to secure the performance by the Buyer of its obligations under this Agreement), if requested in writing by CW PRODUCTS, provide an irrevocable guarantee for an amount to be reasonably determined by CW PRODUCTS from a financial institution, and in a form approved by CW PRODUCTS.
- 8.9 Time is of the essence in respect of the Buyer's obligation to make payment for the Goods.

9. RISK AND TITLE

- 9.1 Risk in the Goods will pass to the Buyer immediately upon delivery.

9.2 Property in the Goods will not pass to the Buyer until payment for all goods supplied by CW PRODUCTS to the Buyer have been paid for in full:

- (1) The Buyer may only sell the Goods as CW PRODUCTS fiduciary agent for the account of CW PRODUCTS and the proceeds of such sale (including any proceeds from insurance claims) will be the property of CW PRODUCTS to be held by the Buyer for and on behalf of CW PRODUCTS in a separate bank account;
- (2) The Buyer must store the Goods in a proper manner that clearly identifies the Goods as the property of CW PRODUCTS; and
- (3) The Buyer must not bail, pledge, mortgage, charge, grant a lien over, lease or assign the Goods, other than in accordance with clause 9.2(1).

9.3 The Buyer irrevocably authorises CW PRODUCTS at any time to enter any premises upon which Goods the subject of this clause are stored to enable CW PRODUCTS to inspect the Goods and, if the Buyer has breached the Agreement, reclaim possession of the Goods.

9.4 The Buyer acknowledges and agrees that CW PRODUCTS may recover the price of the Goods by legal action if payment for the Goods is overdue, notwithstanding that property in the Goods has not passed to the Buyer.

10. EXCLUSION OF IMPLIED CONDITIONS AND WARRANTIES AND LIMITATION OF LIABILITY

10.1 Subject to clause 12 and to the extent permitted by law, these Conditions exclude all other conditions, warranties, liabilities or representations in relation to the Goods.

11. BUYER'S WARRANTY

- 11.1 The Buyer warrants that the Goods are purchased by the Buyer for the purposes of re-sale in the course of the Buyer's business or for using them or incorporating them into other products in the course of such business and not for the Buyer's personal, domestic or household or consumption.
- 11.2 If the Buyer re-sells the Goods, the Buyer must transfer to the purchaser of those Goods the benefit of CW PRODUCTS Warranty contained in clause 12, subject to the conditions contained in that clause. The buyer is not otherwise entitled to make any other representation or warranty to any other person on behalf of CW PRODUCTS.

12. CW PRODUCTS WARRANTY

- 12.1 Subject to any express warranty or exception in this Agreement CW PRODUCTS warrants that the roller shutter goods will be free from defects in materials and workmanship under normal and proper use for a period of 5 years from the date of manufacture or if this date is not ascertainable 5 years from the date of invoice to the Buyer. However the warranty period with respect to roller shutter hardware and accessories is 2 years; tubular motors and SIMU control systems is 5 years; and solar panels, batteries, controllers and all CW electronics is 1 year, from the relevant date of manufacture or invoice.
- 12.2 To the extent permitted by law, CW PRODUCTS liability for any breach of clause 12.1 will be limited (at CW PRODUCTS option) to repairing, replacing, or refunding the price of the Goods, or the supply of equivalent Goods. CW PRODUCTS will not be liable for any consequential damage or loss incurred during or following installation or reinstallation of the Goods.
- 12.3 The Buyer is responsible for all installation, reinstallation and freight costs in connection with the repair, replacement or refund of the Price of the Goods, pursuant to this warranty.
- 12.4 Property in the Goods or parts of the Goods that are replaced pursuant to this warranty will be retained by or otherwise pass to CW PRODUCTS.
- 12.5 This warranty does not apply:
 - (1) if usage, selection, adaptation, installation, operation or wiring of the Goods or any electrical connections

are not in accordance with the manufacturer's written selection guides, installation, operating instructions, professional standards and wiring diagrams;

- (2) If the Goods have been opened, dismantled or returned with clear evidence of abuse, negligent use or other damage;
- (3) If the Goods have been used to perform functions other than the functions they were designed for, being, in summary, motorising windows, window coverings, retractable shading devices, doors, door coverings, gates, garage doors and protection screens and any other functions that CW PRODUCTS notifies to the Buyer in writing in its absolute discretion;
- (4) If the Goods are used with any inappropriate products, software or other goods that have not been previously approved in writing by CW PRODUCTS;
- (5) To unauthorised maintenance or modifications to the Goods;
- (6) Any damage to Goods caused by an external source regardless of its nature (including damage caused by penetration by liquid);
- (7) To the extent that CW PRODUCTS specifically notifies the Buyer that it does not apply;
- (8) To batteries or other consumables; or
- (9) To removal, reinstallation or maintenance costs of the Goods.

13. PRIVACY

- 13.1 Where the Goods are supplied to the Buyer on credit the Buyer irrevocably authorises CW PRODUCTS, its Employees and Agents to make such enquiries necessary to investigate the creditworthiness of the Buyer with respect to the supply of such credit including (but not limited to) making enquiries of, and exchanging information (including some personal information) with, the Buyer's trade referees, bankers and credit providers, and with credit reporting agencies ("**information sources**") and the Buyer authorises such information sources to disclose to CW PRODUCTS such information in their possession concerning the Buyer that is requested by CW PRODUCTS.
- 13.2 For the purposes of the Privacy Act 1988 where the Buyer is an individual, CW PRODUCTS declares that it collects information about the Buyer to assist in promoting and selling its products and services. CW PRODUCTS does not disclose information about the Buyer to any person except as required in the course of providing its products or services for the ordinary administration of its business. If the Buyer does not want to receive promotional material from CW PRODUCTS, he or she can inform CW PRODUCTS. The Buyer can also request access to his or her personal information by making a written request to CW PRODUCTS.

14. OWNERSHIP OF BUYER

- 14.1 Buyer must notify CW PRODUCTS within 7 days of any alteration to its registered particulars.
- 14.2 Where Goods are supplied to the Buyer on credit, Buyer must notify CW PRODUCTS in writing within 14 days of any:
 - (1) addition or alteration to the shareholding or directorship of Buyer (if Buyer is a company);
 - (2) addition or alteration to the partnership (if Buyer is a partnership); or
 - (3) intended sale of the Buyer's business. ("**Ownership Changes**").
- 14.3 If there are any Ownership Changes in the Buyer, CW PRODUCTS may, in its absolute discretion, withdraw credit facilities for that Buyer.

15. GOVERNING LAW AND JURISDICTION

- 15.1 The law of South Australia governs the Agreement.
- 15.2 The parties submit to the non-exclusive jurisdiction of the courts of South Australia and the Federal Courts of Australia.



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