



CW

MADE TO
MEASURE ROLLER SHUTTER
CATALOGUE 2023


PRODUCTS
SHUTTERS & AUTOMATION

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.

With state-of-the-art manufacturing facilities and processes, coupled with nearly 40 years manufacturing experience, we take pride in supplying the Australian market with the highest quality and widest range of roller shutter products.

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! At CW Products, we're your partner in success!



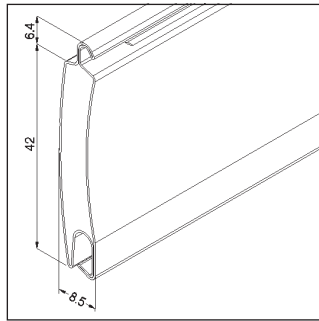
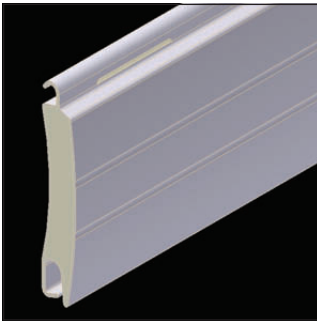
CONTENTS

MADE TO MEASURE ROLLER SHUTTERS	4
42MM SINGLE LINE ROLLER SHUTTER (RESIDENTIAL/LIGHT COMMERCIAL)	4
42MM DOUBLE LINE ROLLER SHUTTER (RESIDENTIAL/LIGHT COMMERCIAL)	6
55MM WIDESPAN ROLLER SHUTTER (WIDESPAN RESIDENTIAL/LIGHT COMMERCIAL)	8
77MM WIDESPAN ROLLER SHUTTER (WIDESPAN RESIDENTIAL/COMMERCIAL)	10
36MM EXTRUDED ROLLER SHUTTER (HIGH SECURITY COMMERCIAL)	12
50MM EXTRUDED VISION ROLLER SHUTTER (COMMERCIAL)	14
IR50MM (INTRUDER RESISTANT) EXTRUDED ROLLER SHUTTER (HIGH SECURITY COMMERCIAL)	16
LOCKSAFE™ ROLLER SHUTTER	20
FIRESAFE™ BUSHFIRE RATED ROLLER SHUTTER	22
CYCLONESAFE™ ROLLER SHUTTER	24
EASYVIEW™ ROLLER SHUTTER	26
 ROLLER SHUTTER AUTOMATION SYSTEMS	 28
SIMU Hz RADIO SYSTEM & REMOTE CONTROLS	28
SIMU SD100 Hz EXTERNAL RADIO RECEIVER & CONTROL UNIT	30
CWP S-30 EXTERNAL RADIO RECEIVER & CONTROL UNIT	31
SIMU SAFETY BRAKE	32
SIMU SD100 Hz SAFETY EDGE SYSTEM	33
240 VOLT SWITCH MECHANISMS	34
240 VOLT WIRING OPTIONS	35
UPS BATTERY BACK UP SYSTEM & ACCESSORIES	35
POWERSMART™ CONTROL SYSTEM	36
POWERSMART™ ACCESSORIES	39
SOLARSMART™ PLUS ROLLER SHUTTER AUTOMATION	40
SOLARSMART™ PLUS ACCESSORIES	42
 INSTALLATION ACCESSORIES	 43
ANGLES, FLASHINGS & TUBES	43
GUIDES	45
BOTTOM BAR SUPPORT	47
BRACKETS	47
UNIVERSAL JOINTS	47
KEY LOCK OPTIONS FOR SPRING LOADED SHUTTERS	48
CONTROL OPTIONS FOR MANUAL OVERRIDE SHUTTERS	49
CONTROL OPTIONS FOR GEAR ACE SHUTTERS	51
 CONTROL KIT COMPONENT SUMMARIES	 52
STRAP WINDER CONTROL KITS (FACE FIT & REVEAL FIT)	52
CORD WINDER CONTROL KITS (FACE FIT & REVEAL FIT)	53
STEEL CABLE WINDER CONTROL KIT (FACE FIT ONLY)	54
STRAP COILER CONTROL KITS (FACE FIT & REVEAL FIT)	55
CORD COILER CONTROL KITS (FACE FIT & REVEAL FIT)	56
 TIPS FOR MEASURING ROLLER SHUTTERS	 57
WARRANTY STATEMENT & CARE GUIDE	64
TERMS & CONDITIONS OF SALE	65

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/SerVICES.

FEATURES

- High quality aluminium alloy construction.
- Foam filled profile for additional strength and smooth 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 3600mm.
- Can be manually operated or motorised.
- Made in Australia.

TECHNICAL SPECIFICATIONS

Maximum Shutter Width	3600mm
Maximum Shutter Height	2600mm
Maximum Surface Area	8m 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	29	1300mm	60mm
165mm	39	1700mm	60mm
180mm	51	2200mm	60mm
205mm	60	2600mm	60mm

WIND SPEEDS & MAXIMUM SHUTTER WIDTH

Wind Speed m/sec	Wind Speed km/h	Max. Shutter Width	Max. Surface Area
11.2m/sec	40km/h	3200mm	8m ²
13m/sec	46km/h	3010mm	8m ²
15.8m/sec	56km/h	2550mm	6.63m ²
20.4m/sec	73km/h	2180mm	5.67m ²
25.9m/sec	93km/h	1990mm	5.17m ²
34.9m/sec	125km/h	1700mm	4.42m 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>	 Surfmist
 Black	
 Monument	
 Silver	
 Deep Ocean	
 Woodland Grey	
 Jasper	
 Surfmist	
 Dune	

Powder coated options available (charges apply).

Coastal Treatment for side frames is strongly recommended for shutters installed close to beach or other salt water environments.

Request Coastal Treatment on your order.

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

* Control options must be installed in an indoor environment.

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)



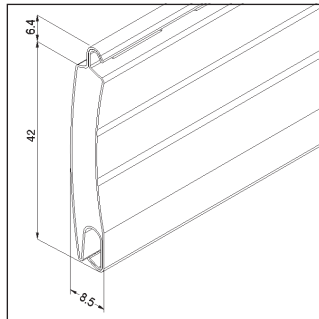
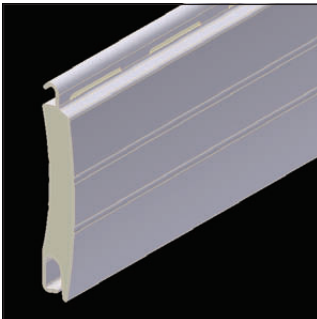
This roller shutter range is made with a precision roll formed roller shutter profile.

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 smooth 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 3600mm.
- Can be manually operated or motorised.
- Made in Australia.



TECHNICAL SPECIFICATIONS

Maximum Shutter Width	3600mm
Maximum Shutter Height	2600mm
Maximum Surface Area	8m 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	29	1300mm	60mm
165mm	39	1700mm	60mm
180mm	51	2200mm	60mm
205mm	60	2600mm	60mm

WIND SPEEDS & MAXIMUM SHUTTER WIDTH

Wind Speed m/sec	Wind Speed km/h	Max. Shutter Width	Max. Surface Area
11.2m/sec	40km/h	3200mm	8m ²
13m/sec	46km/h	3010mm	8m ²
15.8m/sec	56km/h	2550mm	6.63m ²
20.4m/sec	73km/h	2180mm	5.67m ²
25.9m/sec	93km/h	1990mm	5.17m ²
34.9m/sec	125km/h	1700mm	4.42m 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>	 Surfmist
 Black	
 Monument	
 Silver	
 Deep Ocean	
 Woodland Grey	
 Jasper	
 Surfmist	
 Dune	

Powder coated options available (charges apply).

Coastal Treatment for side frames is strongly recommended for shutters installed close to beach or other salt water environments.

Request Coastal Treatment on your order.

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

* Control options must be installed in an indoor environment.

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)



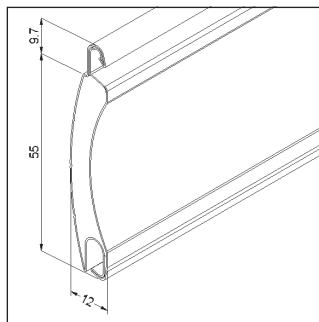
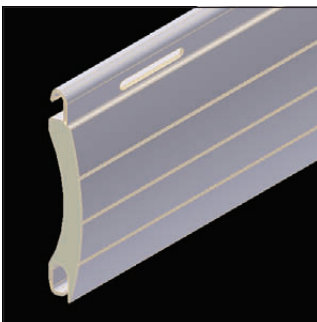
This roller shutter range is made with a precision roll formed roller shutter profile, and is suitable for many widespan applications.

SUITABLE APPLICATIONS

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

FEATURES

- High quality aluminium alloy construction.
- Foam filled profile for additional strength, protection and smooth 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.



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	32	1850mm	70mm
205mm	42	2400mm	70mm
230mm	53	3000mm	70mm

WIND SPEEDS & MAXIMUM SHUTTER WIDTH

Wind Speed m/sec	Wind Speed km/h	Max. Shutter Width	Max. Surface Area
11.2m/sec	40km/h	4500mm	10m ²
13m/sec	46km/h	4000mm	10m ²
15.8m/sec	56km/h	3300mm	8.25m ²
20.4m/sec	73km/h	2900mm	7.25m ²
25.9m/sec	93km/h	2500mm	6.25m ²
34.9m/sec	125km/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 <small>TBD</small>	Brown
Black	Black
Monument	Monument
Silver	Woodland Grey
Woodland Grey	Surfmist
Surfmist	

Powder coated options available (charges apply).

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

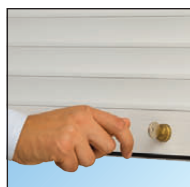
Coastal Treatment for side frames is strongly recommended for shutters installed close to beach or other salt water environments. Request Coastal Treatment on your order.

CONTROL OPTIONS

Manual 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 SD100 Hz Radio
Receiver & Control Unit*

* Control options must be installed in an indoor environment.

CW Products recommends the use of Photo Safety Cells, a Safety Brake and/or a Safety Edge 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. See pages 30 to 33 for more information.

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

MADE TO MEASURE ROLLER SHUTTERS

77MM WIDESPAN ROLLER SHUTTER

(Widespan Residential/Commercial)



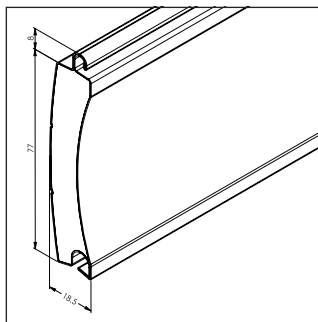
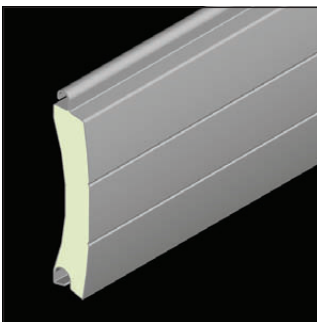
This roller shutter range is made with a precision roll formed roller shutter profile, and is suitable for many widespan applications.

SUITABLE APPLICATIONS

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

FEATURES

- High quality aluminium alloy construction.
- Foam filled profile for additional strength, protection and smooth 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.



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	24	2000mm	101mm with adaptor
300mm	37	3000mm	101mm with adaptor

WIND SPEEDS & MAXIMUM SHUTTER WIDTH

Wind Speed m/sec	Wind Speed km/h	Max. Shutter Width	Max. Surface Area
11.2m/sec	40km/h	4400mm	13.23m ²
13m/sec	46km/h	3520mm	10.56m ²
15.8m/sec	56km/h	3060mm	9.18m ²
20.4m/sec	73km/h	2670mm	8.01m ²

ROLLER SHUTTER COLOUR OPTIONS

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

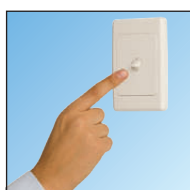
TBD - Product to be discontinued in the future or when stock is depleted.

Powder coated options available (charges apply).

Coastal Treatment for side frames is strongly recommended for shutters installed close to beach or other salt water environments. Request Coastal Treatment on your order.

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 SD100 Hz Radio Receiver & Control Unit*

* Control options must be installed in an indoor environment.

CW Products recommends the use of Photo Safety Cells, a Safety Brake and/or a Safety Edge 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. See pages 30 to 33 for more information.

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)



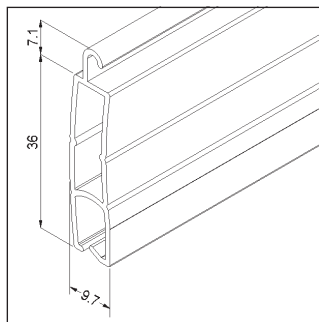
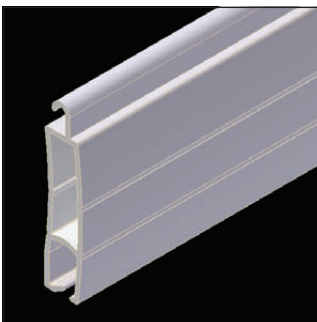
This roller shutter range is made with a precision extruded roller shutter profile, and is suitable for many commercial and industrial grade applications.

SUITABLE APPLICATIONS

- Commercial Windows.
- Commercial Shop Fronts & Doorways.
- Garage Doors.
- High Protection 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.



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	47	1800mm	60mm
205mm	54	2020mm	70mm
230mm	70	2600mm	70mm
250mm	88	3250mm*	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.

WINGED SLAT LOCKS

180mm	35	1350mm	60mm
205mm	43	1650mm	70mm
230mm	70	2600mm	70mm
250mm	75	2800mm	101mm with adaptor
300mm	81	3000mm	130mm with adaptor

ROLLER SHUTTER COLOUR OPTIONS

Profiles

-  Cream
-  Magnolia Cream
-  Clear Beige
-  White
-  Shale Grey
-  Black
-  Monument
-  Anodised Silver
-  Woodland Grey

Pelmets/Side Frames/ Guides/Bottom Bars

-  Cream
-  Magnolia Cream
-  Clear Beige
-  White
-  Shale Grey
-  Brown
-  Black
-  Monument
-  Woodland Grey

Powder coated options available (charges apply).

Coastal Treatment for side frames is strongly recommended for shutters installed close to beach or other salt water environments. Request Coastal Treatment on your order.

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)*



Remote Control
(Key Ring Transmitter)
With 240V Electric
Motor & Multi-Function
SIMU SD100 Hz Radio
Receiver & Control Unit*



Crank Handle
With 240V Electric
Manual Override
Motor



Key Switch
With 240V Electric
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)

* Control options must be installed in an indoor environment.

CW Products recommends the use of Photo Safety Cells, a Safety Brake and/or a Safety Edge 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. See pages 30 to 33 for more information.

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

MADE TO MEASURE ROLLER SHUTTERS

50MM EXTRUDED VISION ROLLER SHUTTER

(Commercial)



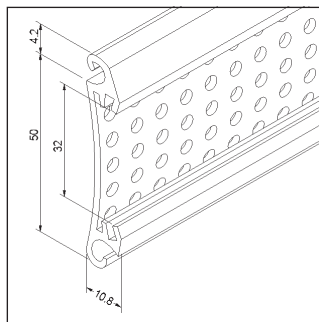
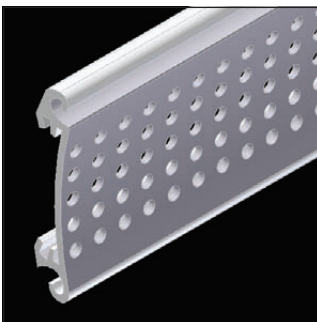
This roller shutter range is made with a precision extruded roller shutter profile, with approximately 20% vision and ventilation perforations, and is suitable for many commercial and industrial grade applications.

SUITABLE APPLICATIONS

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

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	34	1750mm	70mm
205mm	46	2350mm	70mm
230mm	58	2950mm	70mm
250mm	59	3000mm	130mm with adaptor

WINGED SLAT LOCKS

180mm	24	1250mm	60mm
205mm	37	1900mm	70mm
230mm	45	2300mm	70mm
250mm	51	2600mm	101mm with adaptor
300mm	59	3000mm	130mm with adaptor

ROLLER SHUTTER COLOUR OPTIONS

Profiles

-  White
-  Black
-  Anodised Silver

Pelmets/Side Frames/ Guides/Bottom Bars

-  Cream
-  Magnolia Cream
-  Clear Beige
-  White
-  Shale Grey
-  Brown
-  Black
-  Monument
-  Woodland Grey

Powder coated options available (charges apply).

Coastal Treatment for side frames is strongly recommended for shutters installed close to beach or other salt water environments. Request Coastal Treatment on your order.

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)*



Remote Control
(Key Ring Transmitter)
With 240V Electric
Motor & Multi-Function
SIMU SD100 Hz Radio
Receiver & Control Unit*



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

* Control options must be installed in an indoor environment.

CW Products recommends the use of Photo Safety Cells, a Safety Brake and/or a Safety Edge 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. See pages 30 to 33 for more information.

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

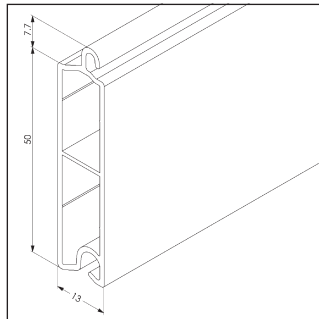
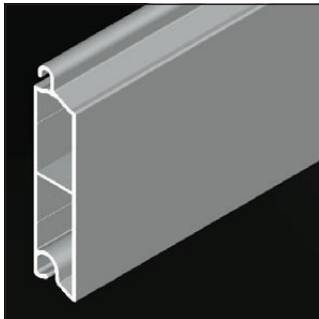
MADE TO MEASURE ROLLER SHUTTERS

IR50MM (INTRUDER RESISTANT) EXTRUDED ROLLER SHUTTER

(High Security Commercial)



* IR50mm Extruded Roller Shutters are not supplied with a pelmet. If a pelmet is required, customers will need to fabricate their own solution.



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

SUITABLE APPLICATIONS

- Commercial Windows.
- Commercial Shop Fronts & Doorways.
- Garage Doors.
- Scoreboards.
- 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 or natural anodise.
- Flat face profile on both sides allows for sign writing.
- Range of colours.
- Tubular motor or side motor (SIMUBOX) options.
- Single Phase and 3 Phase (High-Cycle) motor options.
- Safety Brakes are fitted as standard.
- 101.6mm x 2mm & 139.7mm x 3.5mm round steel axles.
- Suitable for widespan widths up to 7600mm (6100mm anodised).
- Motorised operation.
- Made in Australia.

TECHNICAL SPECIFICATIONS

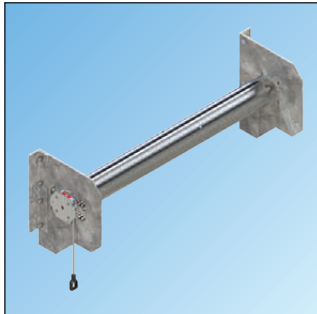
Maximum Shutter Width	7600mm (6100mm Anodised)
Maximum Shutter Height	4500mm Drop + 500mm Head Room
Maximum Surface Area	24m ²
Curtain Weight/Metre ²	9kg
Number Of Slats/Metre	20
Profile Slat Covering	50mm
Profile Slat Thickness	13mm
Axle Types	Round Steel
Bottom Foot Dimensions	75mm x 50mm
Guide Dimensions	82mm x 29mm/16mm (Heavy Duty Guide)
Paint Finish	High Quality Powder Coat Finish

Note: CW Products includes a Safety Brake on all IR50mm Intruder Resistant Extruded Roller Shutters. To remain compliant with Australian Standards, CW Products strongly advises installation of at least one safety device such as Photo Safety Cells or a Safety Edge System when installing automated roller shutters in egress areas and doorways. See pages 30 to 33.

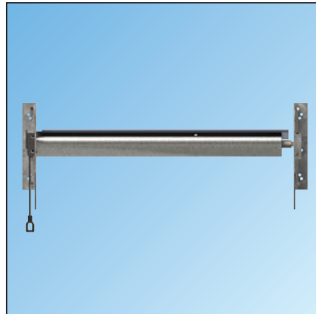
Note: Should automatic or semi-automatic operation not be required, then it is acceptable to have a switch controlling the shutter configured in a Deadman or Unstable switching configuration for closing the shutter. Latched or Stable switching is acceptable for opening the shutter. The switch should be positioned in a location that allows the switch operator a clear and unobstructed view of the door being operated.

MADE TO MEASURE ROLLER SHUTTERS

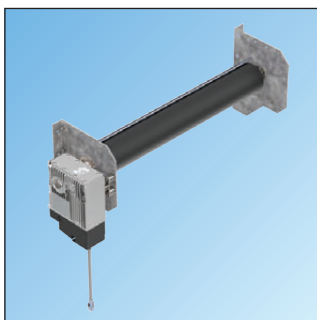
MOTOR/BACKET/AXLE ASSEMBLY



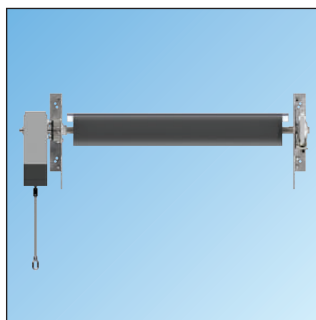
SIMU Tubular Manual Override Motor Assembly



SIMU Tubular Manual Override Motor Assembly



SIMUBOX Motor Assembly



SIMUBOX Motor Assembly

* IR50mm Extruded Roller Shutters are not supplied with a pelmet. If a pelmet is required, customers will need to fabricate their own solution.

ROLLER SHUTTER COLOUR OPTIONS

Profiles

- ☐ White
- ☐ Black
- ☐ Anodised Silver

Guides/Bottom Foot

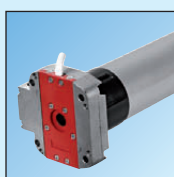
- ☐ White
- ☐ Black
- ☐ Anodised Silver

Powder coated options available (charges apply).

Coastal Treatment for side frames is strongly recommended for shutters installed close to beach or other salt water environments. Request Coastal Treatment on your order.

MOTORISED CONTROL OPTIONS

Single Phase Tubular Motor + Switch Only Option



SIMU Single Phase Tubular Manual Override Motor (T6 DMI)



SIMU Universal Key Switch*

OR

Single Phase SIMUBOX Motor + Switch Only Option



Single Phase SIMUBOX Motor



SIMU Universal Key Switch*

Switch Only Control

SIMU Universal Key Switch

- Deadman (Unstable) and Mixed (Stable) Modes

Note: Only a single switch can be used with tubular motors without additional controller. Multiple switches can be used with SIMUBOX motor in Deadman Mode only.

* Control options must be installed in an indoor environment.

MADE TO MEASURE ROLLER SHUTTERS

MOTORISED CONTROL OPTIONS (CONTINUED)

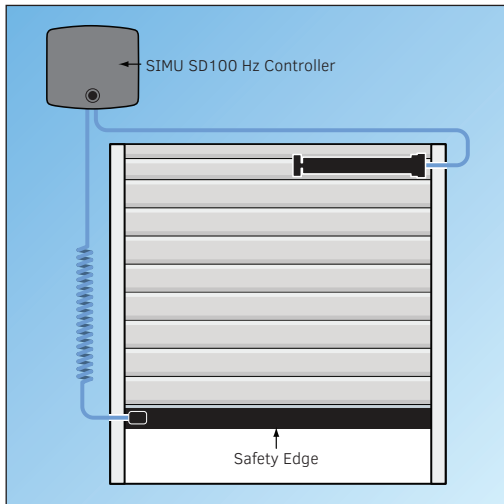
Single Phase Tubular Motor + Controller Options		Other Available Add-On Control Options				
SIMU Single Phase Tubular Manual Override Motor (T6 DMI)	SIMU SD100 Hz Controller*	SIMU Key Ring Transmitter*	SIMU Hz Radio Key Pad*	SIMU Hz Dry Contact Transmitter*	SIMU 3 Button Wall Transmitter*	SIMU Universal Key Switch*
OR						
				* Control options must be installed in an indoor environment.		
SIMU Single Phase Tubular Manual Override Motor (T6 DMI)	CWP S-30 Controller*	Key Ring Transmitter For S-30*	SIMU Universal Key Switch*			
SIMU SD100 Hz Controller Sequential Mode (Semi-Automatic & Automatic) <ul style="list-style-type: none">- Multiple Key Switches/Buttons (Unstable)- SIMU Hz Radio Key Pad- Key Ring Transmitters * If remote operation is required such as remote controls or connection to a building management system, a Safety Device is required such as Photo Safety Cells and/or Safety Edge.				CWP S-30 Controller 3 Button Mode (Semi-Automatic & Automatic) <ul style="list-style-type: none">- SIMU 3 Button Wall Transmitter- SIMU Hz Dry Contact Transmitter * If remote operation is required such as remote controls or connection to a building management system, a Safety Device is required such as Photo Safety Cells.		

3 Phase Tubular Motor/ 3 Phase SIMUBOX Motor + Controller Options		Other Available Add-On Control Options				
SIMU 3 Phase Tubular Motor (T9)	SIMU SD510 Controller*	SIMU Universal Key Switch*	SIMU SA Hz Standard Receiver*	SIMU Key Ring Transmitter*	SIMU Hz Radio Key Pad*	SIMU Hz Dry Contact Transmitter*
OR						
3 Phase SIMUBOX Motor	SIMU SD510 Controller*	SIMU Universal Key Switch*	SIMU SA Hz Standard Receiver*	SIMU Key Ring Transmitter*	SIMU Hz Radio Key Pad*	SIMU Hz Dry Contact Transmitter*
SIMU SD510 Controller <ul style="list-style-type: none"> - Automatic Operation - SIMU SA Hz Standard Receiver (for wireless transmitters) - Requires no additional Switches/Buttons Additional Switching Optional <ul style="list-style-type: none"> - SIMU Hz Radio Key Pad - Key Ring Transmitters * If remote operation is required such as remote controls or connection to a building management system, a Safety Device is required such as Photo Safety Cells and/or Safety Edge.		* Control options must be installed in an indoor environment.				

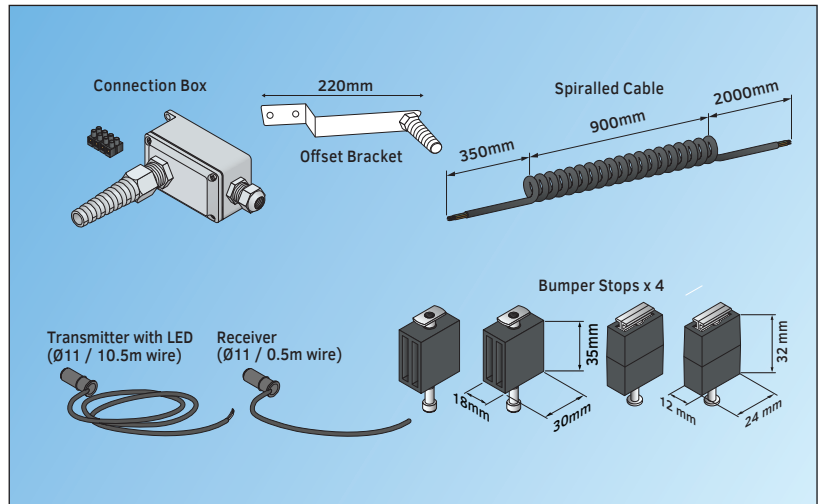
MADE TO MEASURE ROLLER SHUTTERS

SAFETY DEVICE OPTIONS & UPS

Safety Devices



SIMU Safety Edge System See page 33.



SIMU Safety Edge System Connection Kit See page 33.

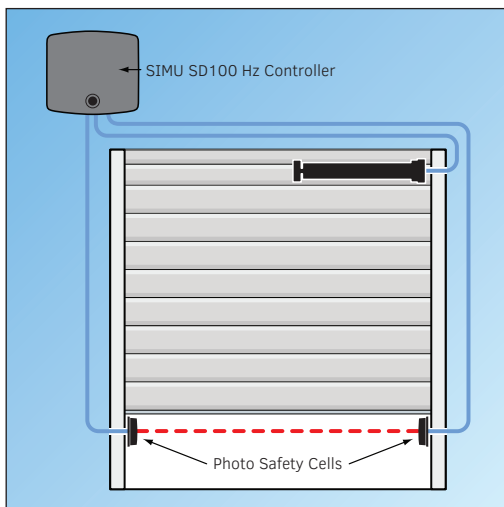


Photo Safety Cells See page 30.



Photo Safety Cells

UPS Units

UPS options are available. Talk to a CW Products Representative for more information.

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

MADE TO MEASURE ROLLER SHUTTERS

LOCKSAFE™ ROLLER SHUTTER

Australia's First Anti-Lift Roller Shutter. An Extra Layer Of Protection For Your Home!



Unlike traditional roller shutters, the unique LockSafe™ Roller Shutter is Australia's first anti-lift roller shutter! Once fully closed, our LockSafe™ Roller Shutters make it very difficult for any intruder.



Ideal for light commercial and domestic applications, LockSafe™ Roller Shutters are safer, more secure, and provide an extra layer of protection for your home.

LockSafe™ Roller Shutters are able to automatically lock in the fully closed position, because of our innovative 3-Step Locking Technology & patented lock-bolt design.

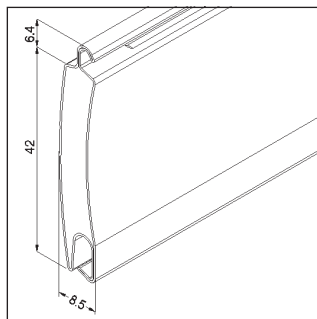
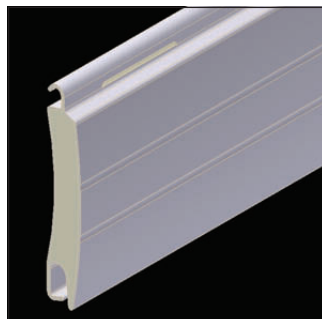
This roller shutter range is made with a precision roll formed 42mm Single Line or 42mm Double Line roller shutter profile.

SUITABLE APPLICATIONS

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

FEATURES

- New & unique 3-Step Locking Technology.
- Extra strong and added protection.
- Specialised SIMU lock down motor & patented lock-bolt design.
- Integrated rigid fasteners for added curtain rigidity.
- High quality aluminium alloy construction.
- Foam filled profile for additional strength and smooth operation.
- High quality painted finish.
- Smooth or double line grooved 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.
- Motorised operation with SIMU Auto Motor and automatic limit settings.
- Made in Australia.



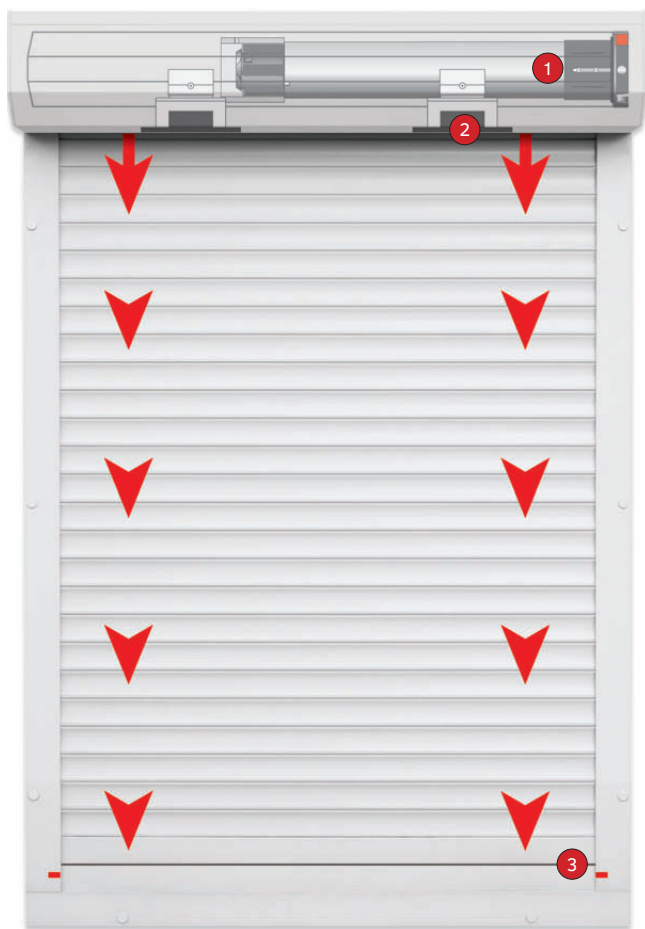
TECHNICAL SPECIFICATIONS

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 Steel
Bottom Bar Dimensions	60mm x 12mm
Guide Dimensions	53mm x 22mm
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

LOCKSAFE™ 3-STEP LOCKING TECHNOLOGY



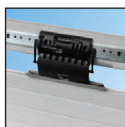
STEP 1 SPECIALISED SIMU LOCK DOWN MOTOR

Specialised SIMU motor applies downward force and automatically locks into position when fully closed



STEP 2 INTEGRATED RIGID FASTENERS

Integrated rigid fasteners activate when curtain completely unwinds, locking the shutter curtain down and creating added curtain rigidity



STEP 3 UNIQUE 2-PIECE BOTTOM BAR PATENT NO: 2019349983

A unique & patented design 2-piece bottom bar comes together and automatically activates a horizontal lock-bolt mechanism into side guides



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	62	2600mm	60mm

WIND SPEEDS & MAXIMUM SHUTTER WIDTH

Wind Speed m/sec	Wind Speed km/h	Max. Shutter Width	Max. Surface Area
11.2m/sec	40km/h	3200mm	7m ²
13m/sec	46km/h	3010mm	7m ²
15.8m/sec	56km/h	2550mm	6.63m ²
20.4m/sec	73km/h	2180mm	5.67m ²
25.9m/sec	93km/h	1990mm	5.17m ²
34.9m/sec	125km/h	1700mm	4.42m 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	Black
Monument	Monument
Woodland Grey	Woodland Grey

Coastal Treatment for side frames is strongly recommended for shutters installed close to beach or other salt water environments. Request Coastal Treatment on your order.

CONTROL OPTIONS

Motorised Options



Wall Switch
With 240V
Specialised Electric
SIMU Motor*



Remote Control
With 240V
Specialised Electric
SIMU Motor*

* Control options must be installed in an indoor environment.

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!



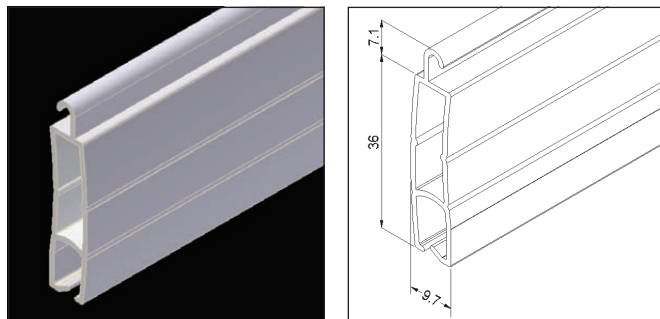
This roller shutter is ideal for home and business owners who want to protect their property and families from bushfires, because they live in high risk, bushfire prone or wooded, high vegetation, country and semi-rural locations. It is made with a precision extruded roller shutter profile.

SUITABLE APPLICATIONS

- Domestic & Commercial Windows.
- Domestic & Commercial Doorways.
- Commercial Shop Fronts.
- Garage Doors.
- High Protection & 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	47	1800mm	60mm
205mm	54	2020mm	70mm
230mm	70	2600mm	70mm
250mm	88	3250mm*	101mm

* 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 (charges apply).

Coastal Treatment for side frames is strongly recommended for shutters installed close to beach or other salt water environments. Request Coastal Treatment on your order.

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 51 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

* Control options must be installed in an indoor environment.

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, a Safety Brake and/or a Safety Edge 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. See pages 30 to 33 for more information.

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!



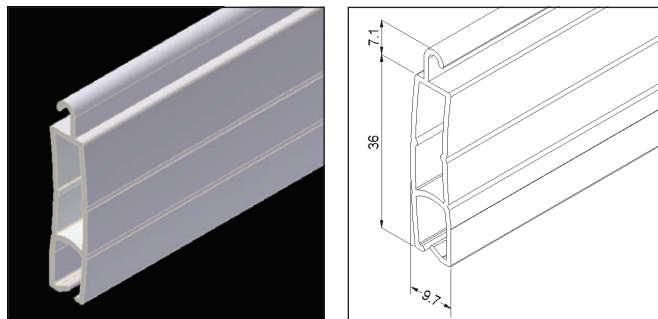
This roller shutter is ideal for home and business owners who want to protect their property and families from cyclones, tropical storms and extreme wind coastal weather conditions. It is made with a precision extruded roller shutter profile.

SUITABLE APPLICATIONS

- Domestic & Commercial Windows.
- Domestic & Commercial Doorways.
- Commercial Shop Fronts.
- High Protection & 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	35	1350mm	60mm
205mm	43	1650mm	70mm
230mm	70	2600mm	70mm
250mm	75	2800mm	101mm with adaptor
300mm	81	3000mm	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	 Black
 Monument	 Monument
 Anodised Silver	 Anodised Silver
 Woodland Grey	 Woodland Grey

Powder coated options available (charges apply).

Coastal Treatment for side frames is strongly recommended for shutters installed close to beach or other salt water environments. Request Coastal Treatment on your order.

ROLLER SHUTTER & ROLLER DOOR WIDTHS & CYCLONE RATINGS

Roller Shutter Width	Cyclonic Wind Speed	Shutter Rated Pressure	Cyclone Rating
1500mm	83m/sec 298km/h	6.30 kPa	C4
1800mm	70m/sec 252km/h	4.50 kPa	C3
2100mm	63m/sec 226km/h	3.54 kPa	C3
2400mm	58m/sec 208km/h	3.00 kPa	C2
*2700mm	53m/sec 190km/h	2.51 kPa	C2

Roller Door Width	Cyclonic Wind Speed	Door Rated Pressure	Cyclone Rating
1500mm	87m/sec 313km/h	6.86 kPa	C4
1800mm	76m/sec 273km/h	5.23 kPa	C4
2100mm	67m/sec 241km/h	4.07 kPa	C3
2400mm	62m/sec 223km/h	3.48 kPa	C3
*2700mm	56m/sec 201km/h	2.84 kPa	C2
*3000mm	52m/sec 187km/h	2.60 kPa	C2

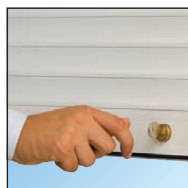
* Not valid for NT. Note: The structure to which the shutter is attached shall be designed and certified independently by a suitably qualified engineer. No extrapolation of any tabled results is permitted.

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*

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 SD100 Hz Radio Receiver & Control Unit*

* Control options must be installed in an indoor environment.

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, a Safety Brake and/or a Safety Edge 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. See pages 30 to 33 for more information.

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

MADE TO MEASURE ROLLER SHUTTERS

EASYVIEW™ ROLLER SHUTTER

Brings The Outdoors Indoors!



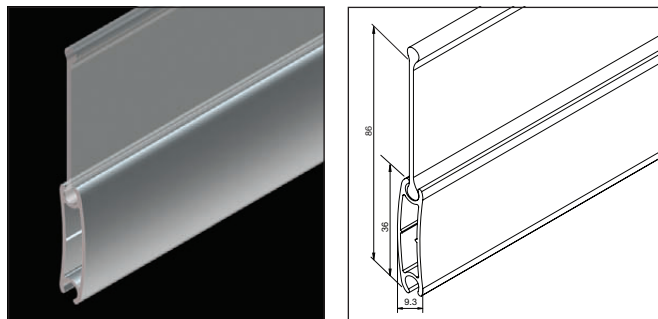
This roller shutter system is made with a combination of a precision extruded aluminium profile and a transparent, UV resistant polycarbonate profile, which provides added protection and permanent views of the outdoors. It is suitable for many commercial and domestic applications.

SUITABLE APPLICATIONS

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

FEATURES

- High quality, strong aluminium alloy and polycarbonate construction.
- Commercial grade double wall extruded profile for heavy duty strength.
- UV resistant 60mm polycarbonate profile.
- Stronger, larger & clearer polycarbonate profile with 20% more light & vision.
- 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

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.

Note: The EasyView polycarbonate slat profile will show signs of wear and tear over time. This is considered normal wear and tear, and happens with all polycarbonate products in general.

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	40km/h	4400mm	10m ²
13m/sec	46km/h	3520mm	10m ²
15.8m/sec	56km/h	3060mm	9.18m ²
20.4m/sec	73km/h	2670mm	8.01m ²

CONTROL OPTIONS

Manual 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 51 For
Universal Joint
Position Options
For Gear Ace
Shutters

Motorised Options



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*

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 SD100 Hz Radio
Receiver & Control Unit*

CW Products recommends the use of Photo Safety Cells, a Safety Brake and/or a Safety Edge 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. See pages 30 to 33 for more information.

* Control options must be installed in an indoor environment.

ROLLER SHUTTER COLOUR OPTIONS

Profiles

- Cream
- Magnolia Cream
- Clear Beige
- White
- Shale Grey
- Black
- Monument
- Anodised Silver *TBD*
- Woodland Grey
- Clear Polycarbonate
- Tinted Polycarbonate

Pelmets/Side Frames/Guides/Bottom Bars

- Cream
- Magnolia Cream
- Clear Beige
- White
- Shale Grey
- Brown
- Black
- Monument
- Woodland Grey

Coastal Treatment for side frames is strongly recommended for shutters installed close to beach or other salt water environments. Request Coastal Treatment on your order.

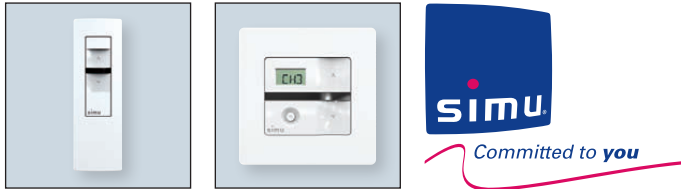
TBD - Product to be discontinued in the future or when stock is depleted.

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

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 Hz Wall Transmitter Colour Plate Option		
Brushed Aluminium	41-999-403	 Brushed Aluminium
SIMU Hz Mobile Transmitter Colour Plate Option		
Brushed Aluminium	41-999-505	 Brushed Aluminium
SIMU Color Multi 16 Channel Transmitter		
White	41-999-364	
SIMU Timer Easy 1 Channel Transmitter		
White	41-999-381	

ROLLER SHUTTER AUTOMATION SYSTEMS

SIMU Hz RADIO CONTROLS & ACCESSORIES

Description	Product Code	
SIMU Timer Multi 6 Channel Transmitter		
White	41-999-370	
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 SA Hz Standard Receiver		
	41-999-279	
SIMU SA Hz Digicode Wireless Key Pad		
* Must be programmed in conjunction with a standard Hz Transmitter	41-999-156	
SIMU EOSUN V2 Hz Wind & Sun Sensor		
	41-999-159	
Somfy TaHoma Switch		
	31-999-1871147	 * Smart phone not included
Somfy Connexoon Window RTS		
	31-999-1811591	 * Smart phone not included

ROLLER SHUTTER AUTOMATION SYSTEMS

SIMU SD100 Hz EXTERNAL RADIO RECEIVER & CONTROL UNIT

For Commercial Roller Shutter & Garage Door Applications



The SIMU SD100 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 SD100 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 SD100 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 SD100 Hz Radio Receiver & Control Unit	41-999-155	
4 Channel Key Ring Transmitter For SIMU SD100 Hz	41-999-371	
SIMU Hz Wall Transmitter		
1 Channel	41-999-402	
5 Channel	41-999-430	
Photocells For SIMU SD100 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

CWP S-30 EXTERNAL RADIO RECEIVER & CONTROL UNIT

For Commercial Roller Shutter & Garage Door Applications



The CWP S-30 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 CWP S-30 features an inbuilt radio receiver providing remote control functionality from a 2 channel or 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 can also be wired in, giving ultimate functionality and safety. This system features several programmable operating modes including sequential, deadman, 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 CWP S-30 system.

TECHNICAL SPECIFICATIONS

Power Supply	240V
Max Power Output	240V 750W
Accessory Power Supply	24V DC
Radio Remote Frequency	433Mhz
Radio Remote Range	200m in free field

Description	Product Code	
240V CWP S-30 Radio Receiver & Control Unit	41-999-283	
2 Channel Key Ring Transmitter For CWP S-30	41-999-391 <small>TBD</small>	
4 Channel Key Ring Transmitter For CWP S-30	41-999-401 <small>TBD</small>	
Photocells For CWP S-30	41-999-222	

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

SUITABLE APPLICATIONS

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

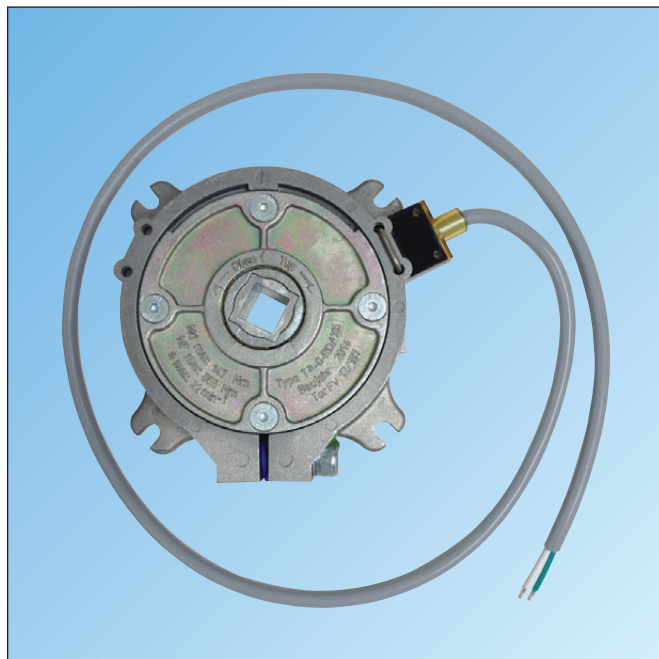
FEATURES

- Ultimate remote control operation with many functions.
- Dry contact input.
- 24V output to wire in safety devices including photocells.
- Several programming modes including sequential, deadman & 3 button operation.
- Automatic and semi-automatic operating modes.
- Automatic closing function.
- Easy wiring.
- Sturdy and stylish box.
- Ability to wire in courtesy/blinking light or area light.
- Directional dry contacts.
- Emergency stop contact.

ROLLER SHUTTER AUTOMATION SYSTEMS

SIMU SAFETY BRAKE

For Commercial Roller Shutter & Garage Door Applications



The SIMU Safety Brake is used in Garage Door and Commercial Door applications, where people or vehicles are moving under the curtain of the shutter.

The SIMU Safety Brake doubles as a support bearing of the motorised axle and stops the shutter from falling in case of shutter suspension component failure.

In cases of component failure the SIMU Safety Brake locks the axle in place, as well as cutting off the electricity to the motor avoiding supplementary damage to the shutter and motorisation assembly.

SUITABLE APPLICATIONS

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

FEATURES

- Electrical cut-off switch when engaged.
- Two centrifugal force torques available.
- Engagement when axle speed exceeds 22rpm.

TECHNICAL SPECIFICATIONS

SIMU Safety Brake - 95Nm Version	
Cable Length	1m or 5m options
Admissible Torque	95Nm
Intercepting Moment	545Nm
Working Speed	22rpm
Weight	1kg

SIMU Safety Brake - 147Nm Version	
Cable Length	1m or 5m options
Admissible Torque	147Nm
Intercepting Moment	812Nm
Working Speed	22rpm
Weight	1kg

SELECTION CHART

Type Of Tube	SIMU Safety Brake	
	95Nm	147Nm
70mm Octagonal	86kg*-217kg**	91kg*-336kg**
102mm x 2mm/101.6mm x 3.6mm	121kg	175kg
133mm x 2.5mm/133mm x 4mm	96kg	160kg

* Maximum value according to the resistance of the tube.

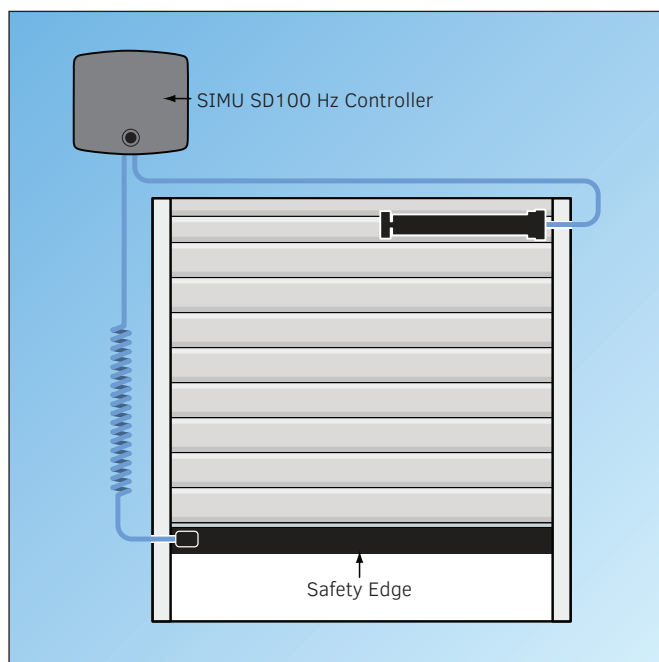
** Maximum value accepted by the safety brake.

Description	Product Code	
SIMU Safety Brake 95Nm	31-999-511	
SIMU Safety Brake 147Nm	31-999-512	

ROLLER SHUTTER AUTOMATION SYSTEMS

SIMU SD100 Hz SAFETY EDGE SYSTEM

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



The SIMU SD100 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 SD100 Hz Safety Edge System works in conjunction with the SIMU SD100 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 SD100 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

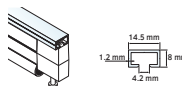
Description	Product Code	
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SIMU SD100 Hz Safety Edge System Rail

L = 300cm

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

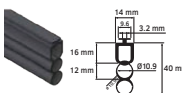
21-116-875



SIMU SD100 Hz Safety Edge System Rubber Profile

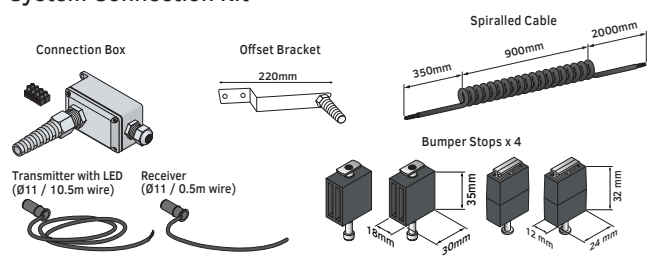
L = Available by the metre

21-110-894



SIMU SD100 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 SD100 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.




ROLLER SHUTTER AUTOMATION SYSTEMS

240 VOLT SWITCH MECHANISMS


Description	Product Code	
Clipsal 39M 3 Position Toggle Switch	41-999-314	
Clipsal Series 2000 Switch Plate		
1 Gang	41-999-351	
2 Gang	41-999-352	
3 Gang	41-999-353	
4 Gang	41-999-354	
SIMU Universal Anti Burglar Key Switch	41-999-315U	
SIMU Relay For Controlling Motors With Multiple Switches	41-999-325	
Somfy Universal Test Lead	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	
3 Pin Plug For Use With SIMU Hz Motors	41-999-600	
3 Pin Plug With 2 Metre Lead For Use With SIMU SD100 Hz	41-999-178	

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

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.
- 5 year Guarantee on motor.
- 1 year Guarantee on battery & controller.
- Designed in Australia.

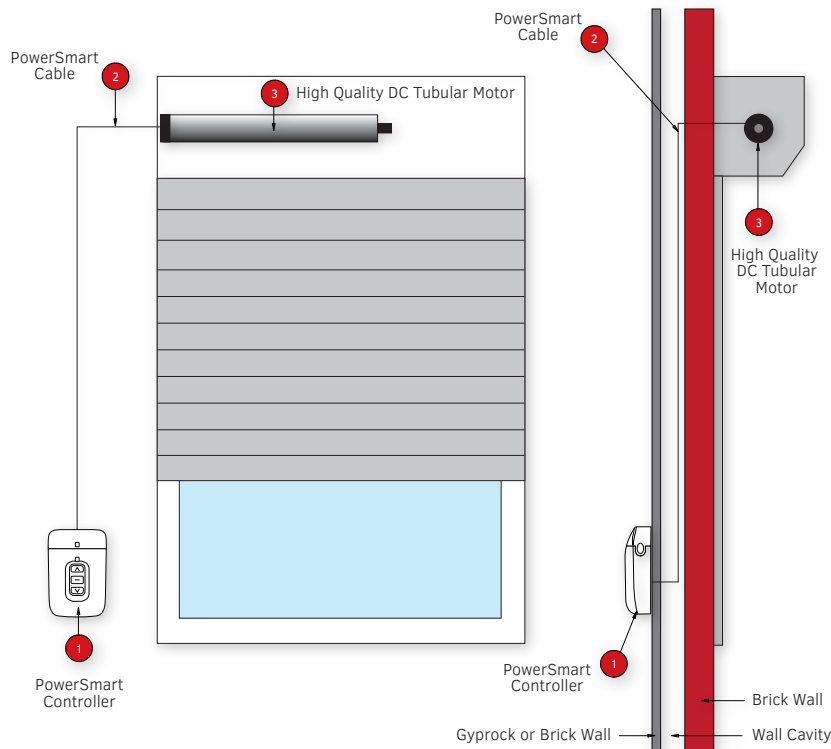
TECHNICAL SPECIFICATIONS

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



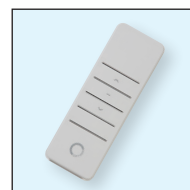
Assembled
Controller &
Battery



Charger

TWO REMOTE CONTROL OPTIONS

Transmitters are powered by a 3 Volt Lithium button battery.



Optima
1 Channel
Transmitter



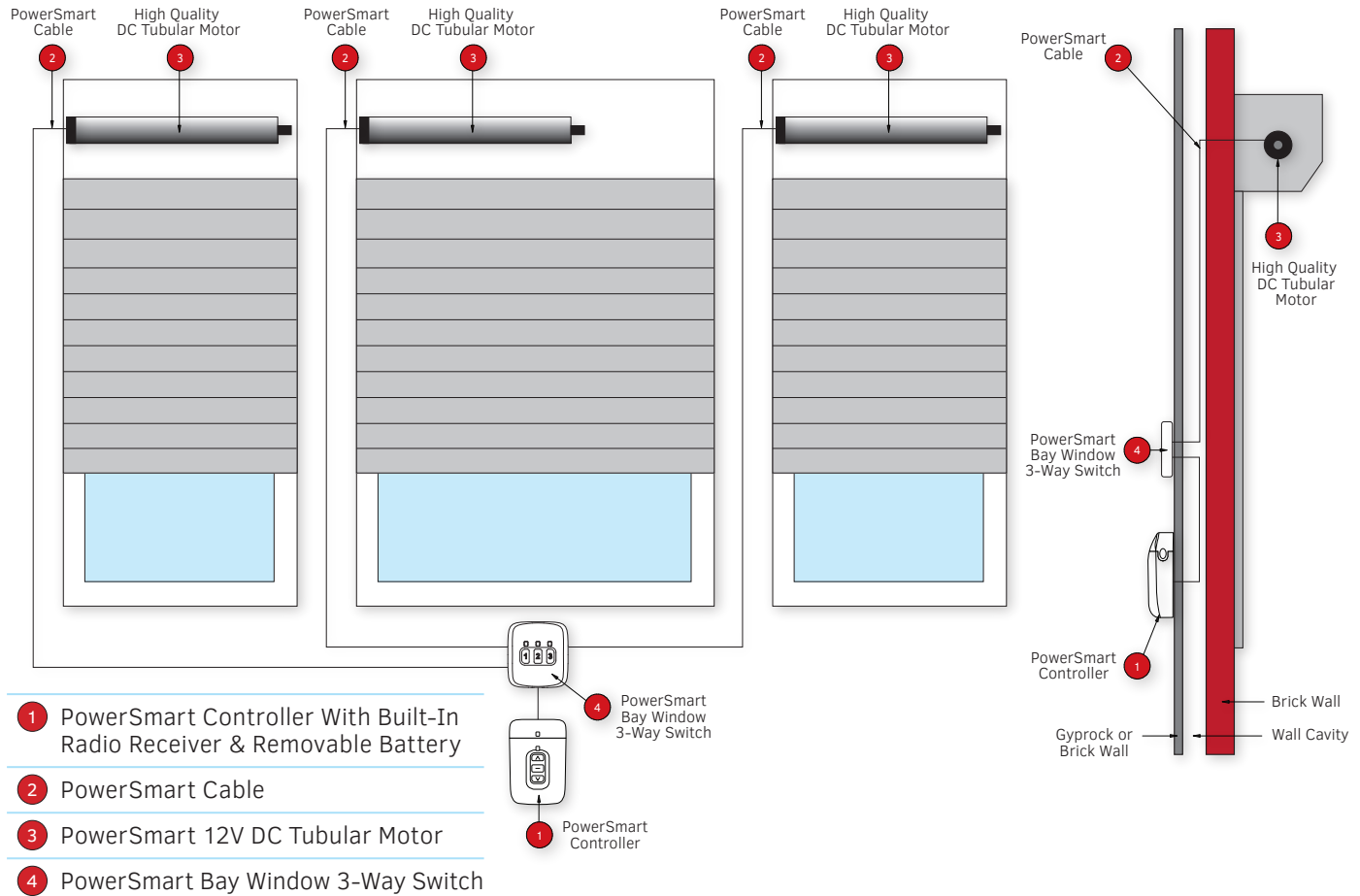
Optima
6 Channel
Transmitter

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

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

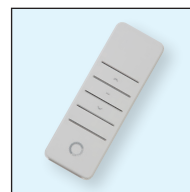


Charger

* 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

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.

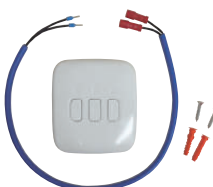
Description	Product Code
Optima 1 Channel	41-600-001
Optima 6 Channel	41-600-006



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

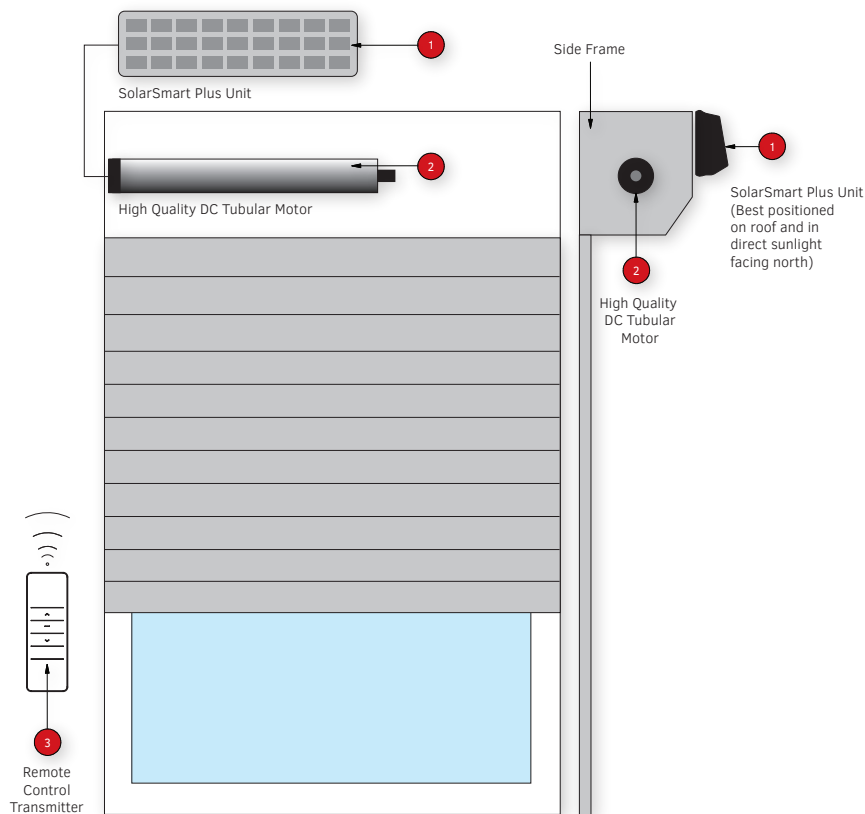
- Completely solar powered.
- Complete all-in-one fully integrated design.
- Green energy & environmentally friendly.
- Saves money on energy costs.
- No drilling or 240V hard wiring.
- Easy & quick to install.
- No need for electricians.
- Sleek & modern design.
- Quick clip mounting design.
- Remote control operated.
- Smooth electronic operation.
- 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

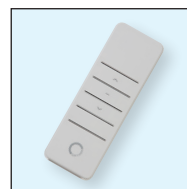
SOLARSMART™ PLUS SYSTEM AT A GLANCE



- 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

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**.

ROLLER SHUTTER AUTOMATION SYSTEMS

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



SOLARSMART™ PLUS SPLICER CONNECTOR

SolarSmart™ Plus Splicer Connectors are available.

Description	Product Code
SolarSmart™ Plus Splicer Connector	42-999-010














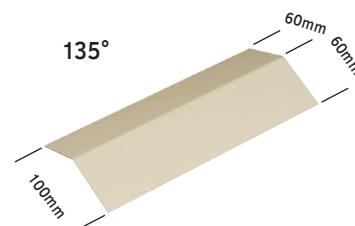
INSTALLATION ACCESSORIES

ANGLES, FLASHINGS & TUBES












Description	Product Code	Unit Length (Order To Measure)
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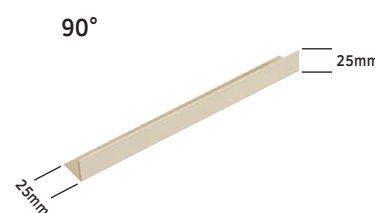
CW Products Bay Window Flashing

	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
	Surfmist	21-490-122	1 x 2.4m
	Dune	21-490-123	1 x 2.4m














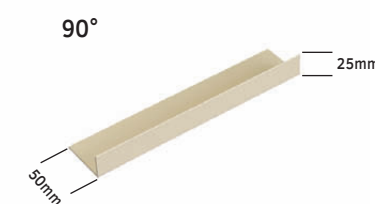
CW Products 25mm x 25mm x 1.6mm Angle

	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
	Surfmist	21-425-122	1 x 5.8m
	Dune	21-425-123	1 x 5.8m














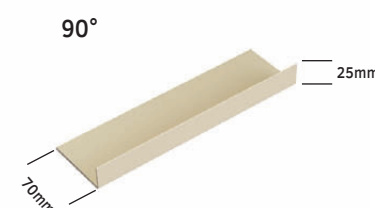
CW Products 25mm x 50mm x 1.6mm Angle

	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
	Surfmist	21-450-122	1 x 5.8m
	Dune	21-450-123	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
	Surfmist	21-470-122	1 x 5.8m
	Dune	21-470-123	1 x 5.8m



ANGLES, FLASHINGS & TUBES
















Description	Product Code	Unit Length (Order To Measure)	
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CW Products 40mm x 40mm Square Tube

 Cream	21-445-101 <i>TBD</i>	1 x 6.5m
 Magnolia Cream	21-445-114 <i>TBD</i>	1 x 6.5m
 Clear Beige	21-445-102 <i>TBD</i>	1 x 6.5m
 White	21-445-103 <i>TBD</i>	1 x 6.5m
 Shale Grey	21-445-104 <i>TBD</i>	1 x 6.5m
 Black	21-445-110 <i>TBD</i>	1 x 6.5m
 Monument	21-445-118 <i>TBD</i>	1 x 6.5m
 Mill Finish	21-480-100	1 x 6.5m
 Woodland Grey	21-445-115 <i>TBD</i>	1 x 6.5m
 Jasper	21-445-120 <i>TBD</i>	1 x 6.5m
 Surfmist	21-445-122 <i>TBD</i>	1 x 6.5m
 Dune	21-445-123 <i>TBD</i>	1 x 6.5m



CW Products 50mm x 50mm Square Tube

 Cream	21-440-101	1 x 6.5m
 Magnolia Cream	21-440-114	1 x 6.5m
 Clear Beige	21-440-102	1 x 6.5m
 White	21-440-103	1 x 6.5m
 Shale Grey	21-440-104	1 x 6.5m
 Brown	21-440-105	1 x 6.5m
 Green	21-440-107	1 x 6.5m
 Red	21-440-108	1 x 6.5m
 Black	21-440-110	1 x 6.5m
 Monument	21-440-118	1 x 6.5m
 Mill Finish	21-480-101	1 x 6.5m
 Woodland Grey	21-440-115	1 x 6.5m
 Jasper	21-440-120	1 x 6.5m
 Surfmist	21-440-122	1 x 6.5m
 Dune	21-440-123	1 x 6.5m
















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

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 <i>TBD</i>	1 x 5.8m
	Woodland Grey	21-115-101	1 x 5.8m
	Surfmist	21-122-193	1 x 5.8m
	Dune	21-123-193	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 <i>TBD</i>	1 x 5.8m
	Woodland Grey	21-115-127	1 x 5.8m
	Surfmist	21-122-007	1 x 5.8m
	Dune	21-123-007	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
	Surfmist	21-122-196	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	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

 Clear Beige	21-102-128	1 x 5.8m
 White	21-103-128	1 x 5.8m
 Shale Grey	21-104-128	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
 Surfmist	21-122-128	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	1 x 5.8m
 Magnolia Cream	21-114-006	1 x 5.8m
 Clear Beige	21-102-006	1 x 5.8m
 White	21-103-006	1 x 5.8m
 Black	21-110-006	1 x 5.8m
 Monument	21-118-006	1 x 5.8m
 Anodised Silver	21-111-006	1 x 5.8m
 Woodland Grey	21-115-006	1 x 5.8m
 Surfmist	21-122-006	1 x 5.8m
 Dune	21-123-006	1 x 5.8m






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)	31-999-171	1	135° 
Corner Window Bracket (Adjustable)			90° 
Flat Bracket (Adjustable)	31-999-172	1	0° 

UNIVERSAL JOINTS

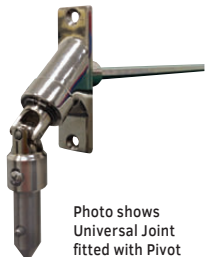
Description	Product Code	Pack Quantity	
Joint 90 Nick Universal Hexagonal Shaft	23-999-545	1	
Pivot For Universal Joint	23-999-546	1	
* Universal Joint & Pivot to be ordered separately.			











Photo shows Universal Joint fitted with Pivot

Photo shows
Universal Joint
fitted with Pivot

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
 Surfmist	21-122-011	21-122-011
 Dune	21-123-011	21-123-011



* 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
 Surfmist	21-122-011	21-122-011
 Dune	21-123-011	21-123-011



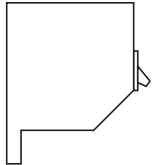
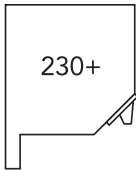
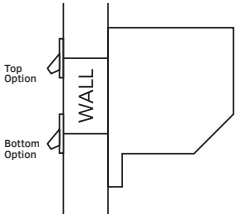
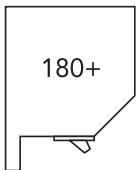
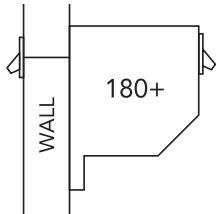
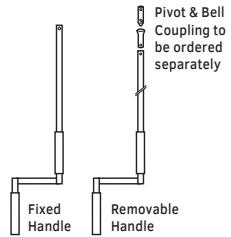
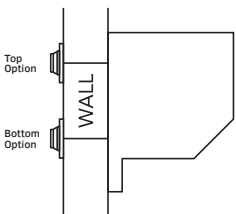
* Supplied standard with recessed dip handle on intermediate slat.
Specify location of handles and key lock requirement when ordering

Key Lock Entry On Front Of Shutter

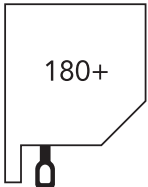
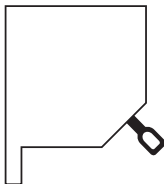
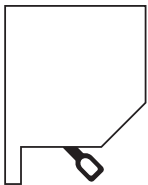
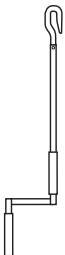
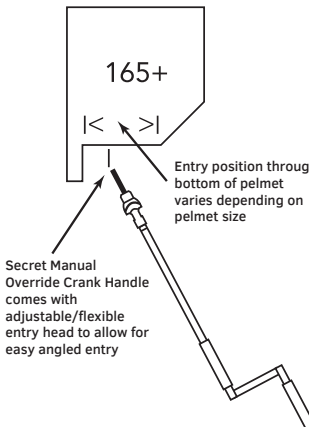
Key Lock Entry On Back Of Shutter

INSTALLATION ACCESSORIES

CONTROL OPTIONS FOR MANUAL OVERRIDE SHUTTERS

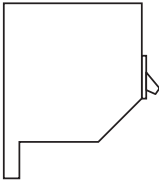
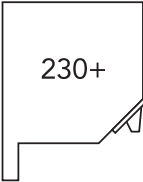
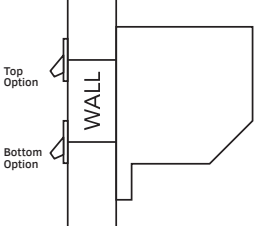
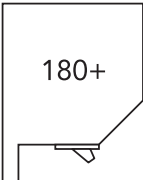
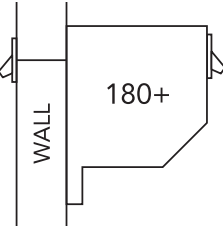
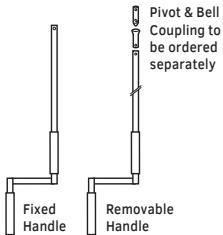
Description	Product Code	Pack Quantity	
Universal Joint Manual Override System - Front Entry			
For All Pelmet Sizes	Specify Manual Override Option When Ordering		
* Universal Joint supplied with 2 mounting holes.			
Universal Joint Manual Override System - Front 3/4 Entry			
For 230mm, 250mm & 300mm Pelmet	Specify Manual Override Option When Ordering		
* Universal Joint supplied with 2 mounting holes.			
Universal Joint Manual Override System - Back Entry			
For All Pelmet Sizes	Specify Manual Override Option When Ordering		
* Universal Joint supplied with 2 or 4 mounting holes.			
Universal Joint Manual Override System - Front Bottom Entry			
For 180mm, 205mm, 230mm, 250mm & 300mm Pelmet	Specify Manual Override Option When Ordering		
* Universal Joint supplied with 2 mounting holes.			
Universal Joint Manual Override System - Dual Control (Back & Front Top Entry)			
For 180mm, 205mm, 230mm, 250mm & 300mm Pelmet	Specify Manual Override 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.			
Invisible Cardan For Manual Override System - Back Entry			
For All Pelmet Sizes	Specify Manual Override Option When Ordering		
* Invisible Cardan supplied with 4 mounting holes.			

CONTROL OPTIONS FOR MANUAL OVERRIDE SHUTTERS

Description	Product Code	Pack Quantity	
Eyelet Manual Override System - Straight Bottom Entry For 180mm, 205mm, 230mm, 250mm & 300mm Pelmet Specify Manual Override Option When Ordering			
Eyelet Manual Override System - Front 3/4 Entry For All Pelmet Sizes Specify Manual Override Option When Ordering			
Eyelet Manual Override System - Angled Front Bottom Entry For All Pelmet Sizes Specify Manual Override Option When Ordering			
Crank Handle With Hook For Use With Eyelet Manual Override System L = 160cm 23-999-521		1	
Secret Manual Override System - Front Bottom Entry Only For 165mm, 180mm, 205mm, 230mm, 250mm & 300mm Pelmet Specify Manual Override Option When Ordering			
Crank Handle For Use With Secret Manual Override System L = 125cm 23-999-522		1	

INSTALLATION ACCESSORIES

CONTROL OPTIONS FOR GEAR ACE SHUTTERS

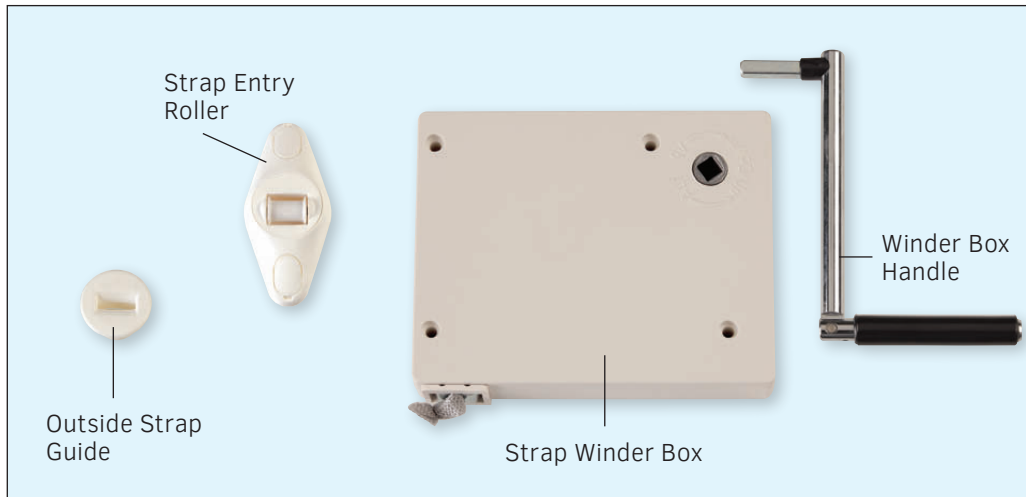
Description	Product Code	Pack Quantity	
Universal Joint Manual Gear Ace System - Front Entry			
For All Pelmet Sizes	Specify Gear Ace Control Option When Ordering		
* Universal Joint supplied with 2 mounting holes.			
Universal Joint Manual Gear Ace System - Front 3/4 Entry			
For 230mm, 250mm & 300mm Pelmet	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	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	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.

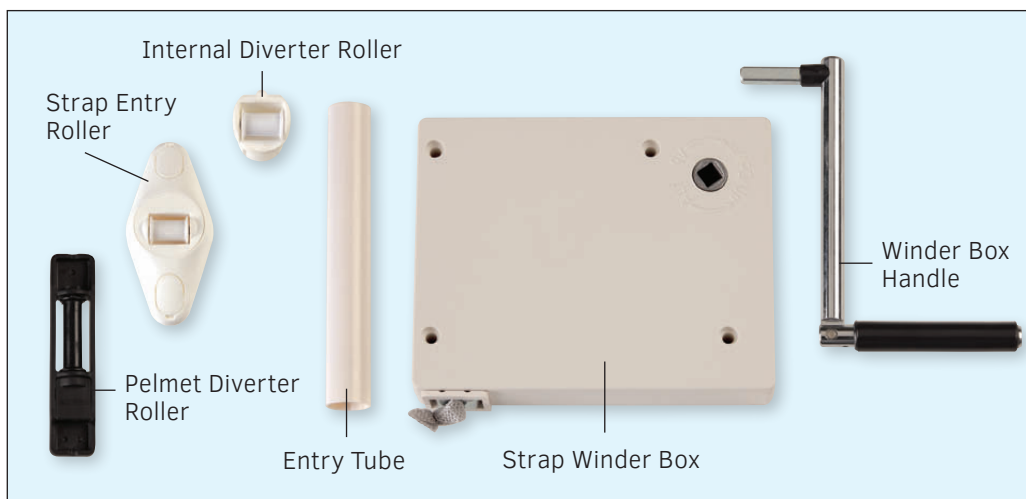
FACE FIT



Product Code

40-100-101

REVEAL FIT



Product Code

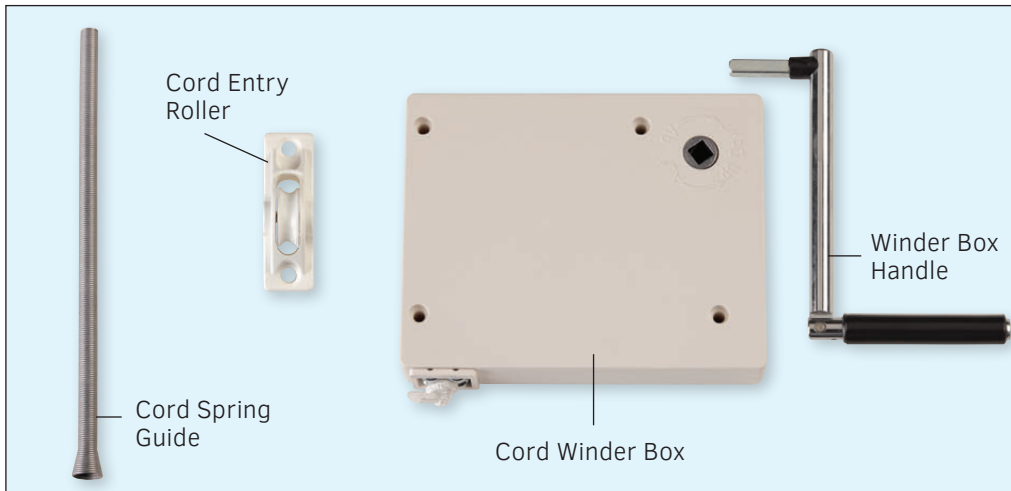
40-100-103

CONTROL KIT COMPONENT SUMMARIES

CORD WINDER CONTROL KITS

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

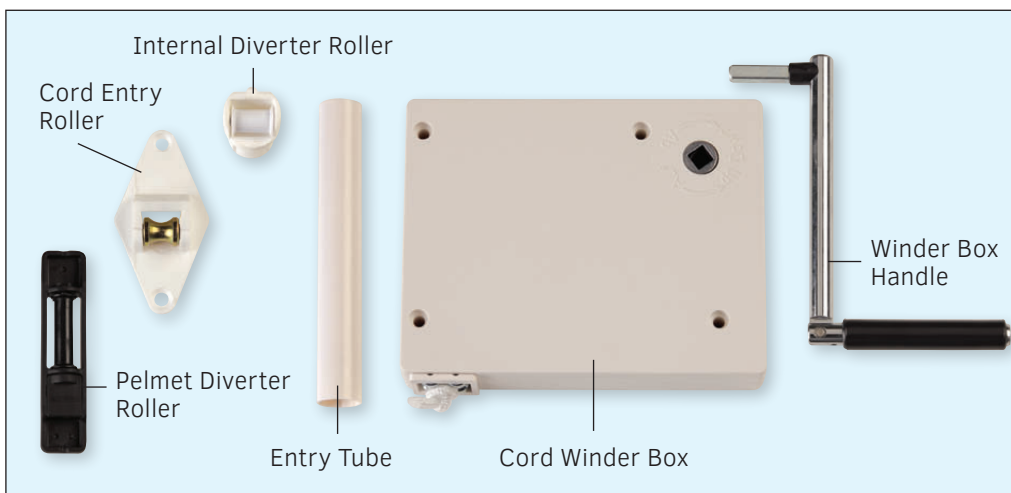
FACE FIT



Product Code

40-100-100

REVEAL FIT



Product Code

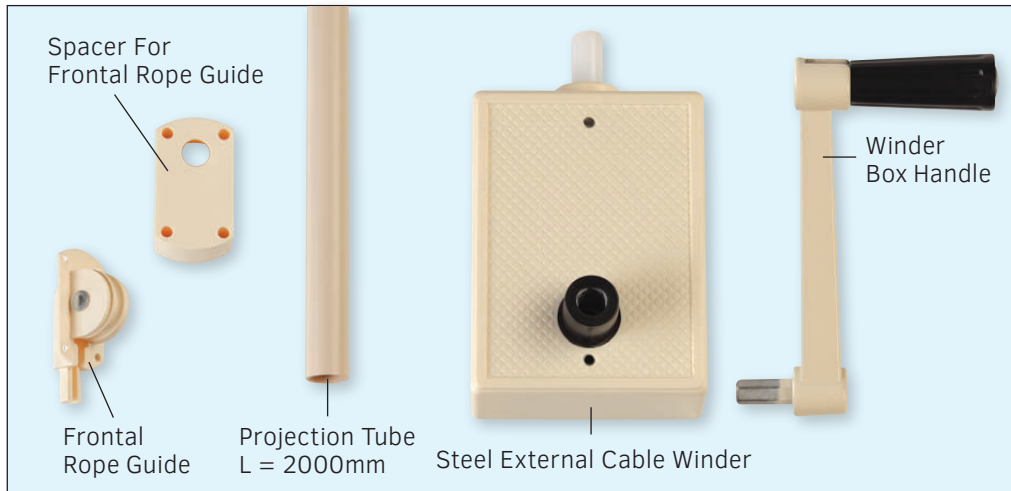
40-100-102

CONTROL KIT COMPONENT SUMMARIES

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.

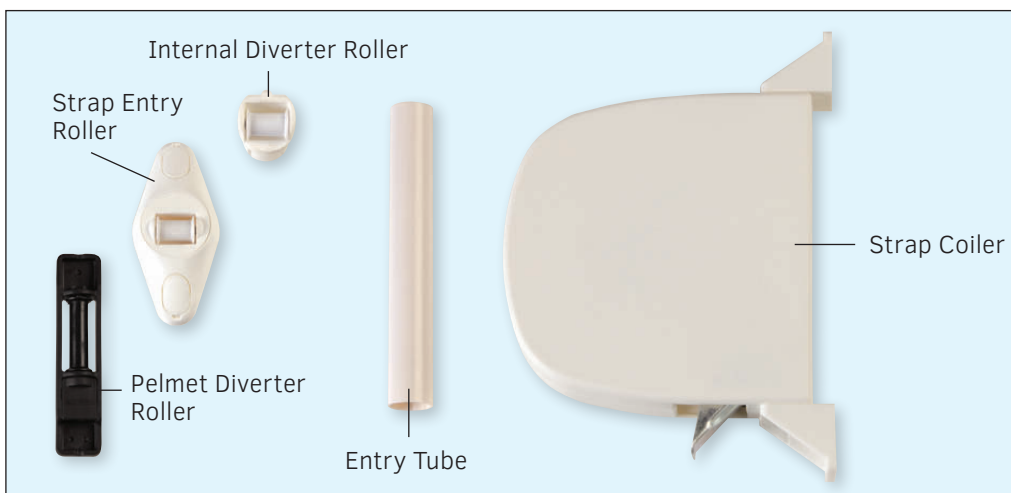
FACE FIT



Product Code

40-100-104

REVEAL FIT



Product Code

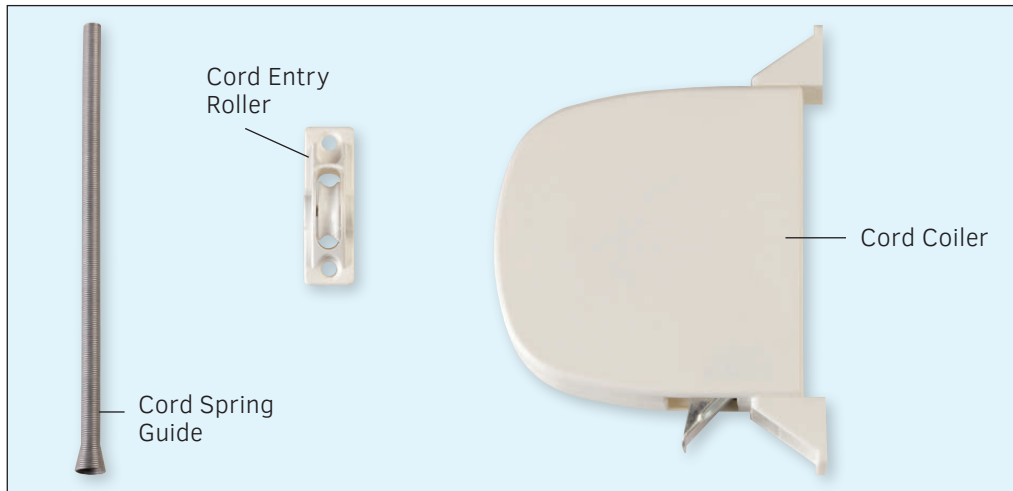
40-100-105

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.

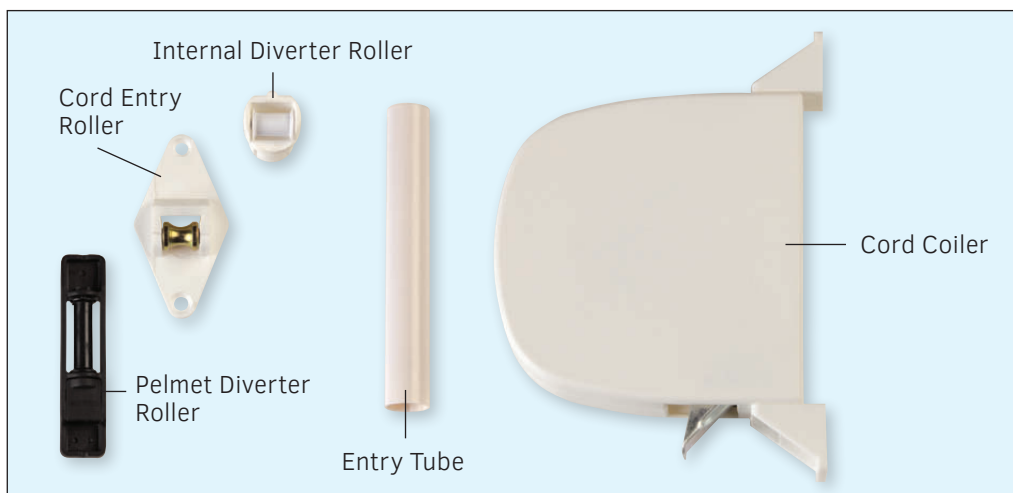
FACE FIT



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:	<p>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.</p> <p>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.</p> <p>With Reveal Fit Roller Shutters, it is important that the guides are installed a minimum of 50mm from the window face.⁷</p>

NOTES

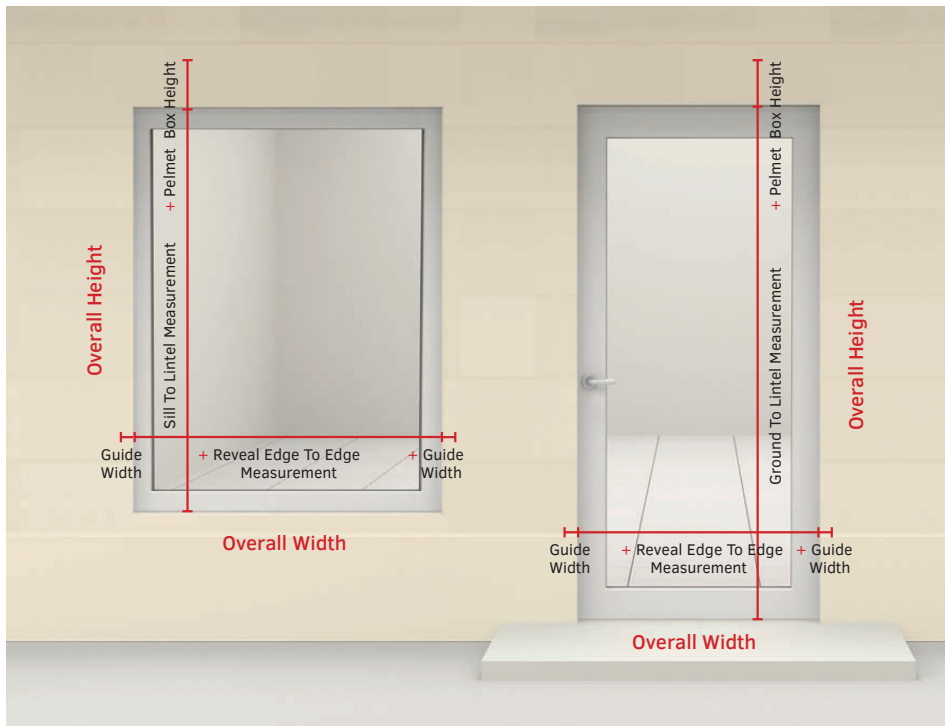
- 1) All width measurements must be in mm.
- 2) All height measurements must be in mm.
- 3) Always allow space for guides each side of the window or door.
NB. Allow 53mm on each side for CW Products Standard Roller Shutters.
NB. Allow 68mm on each side for CW Products FireSafe™, CycloneSafe™, EasyView™ 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.

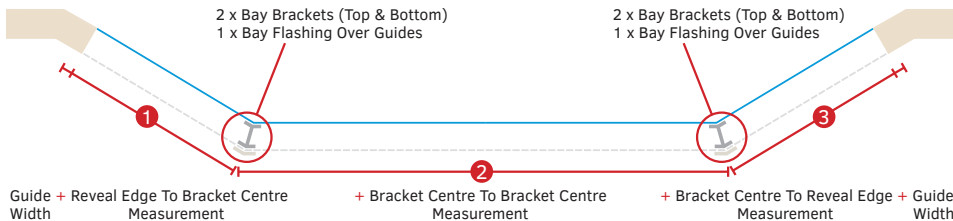
Overall Height = 1000mm.

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).

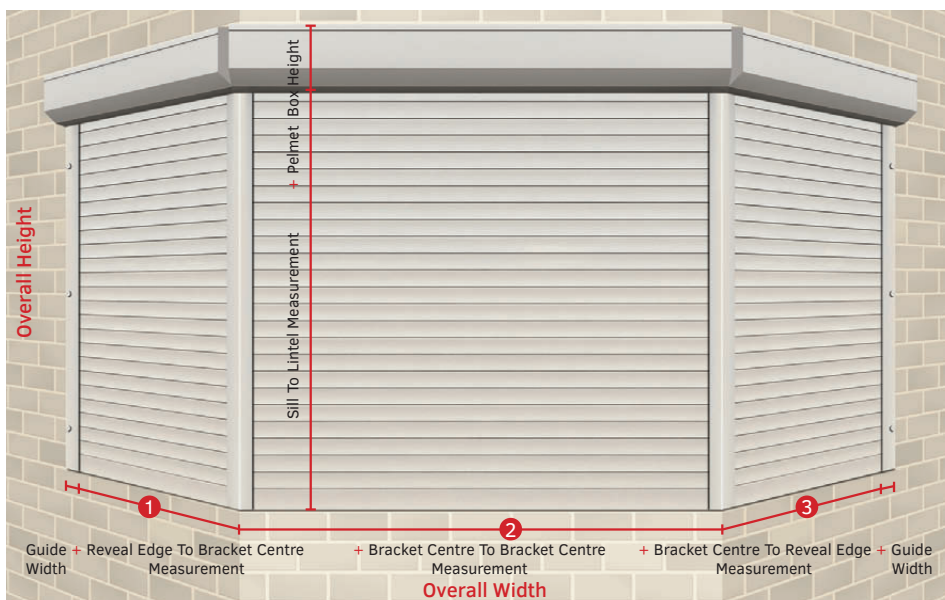
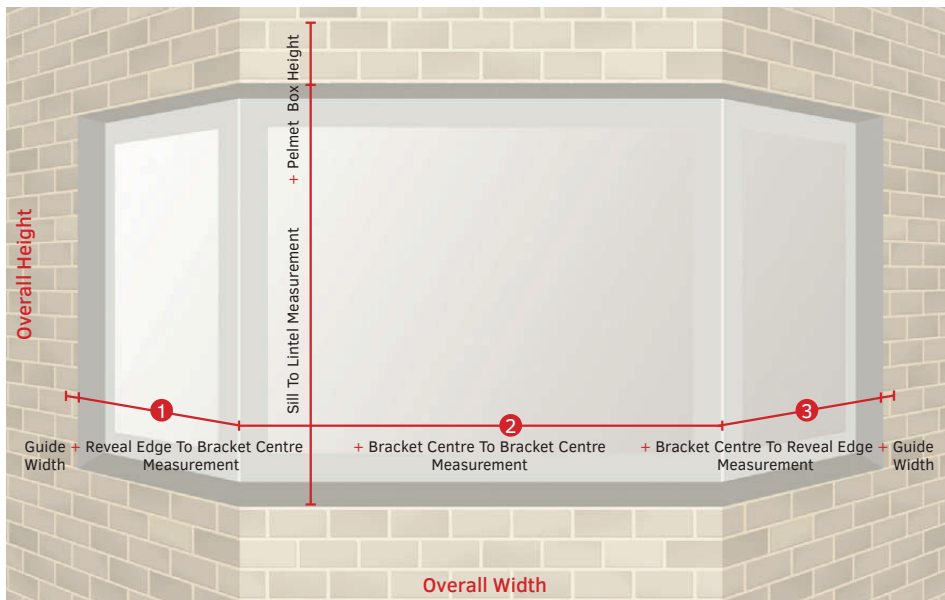
Shutter ③

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).

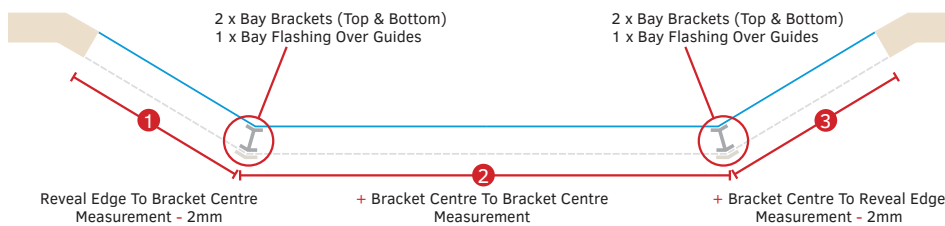


TIPS FOR MEASURING ROLLER SHUTTERS

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).

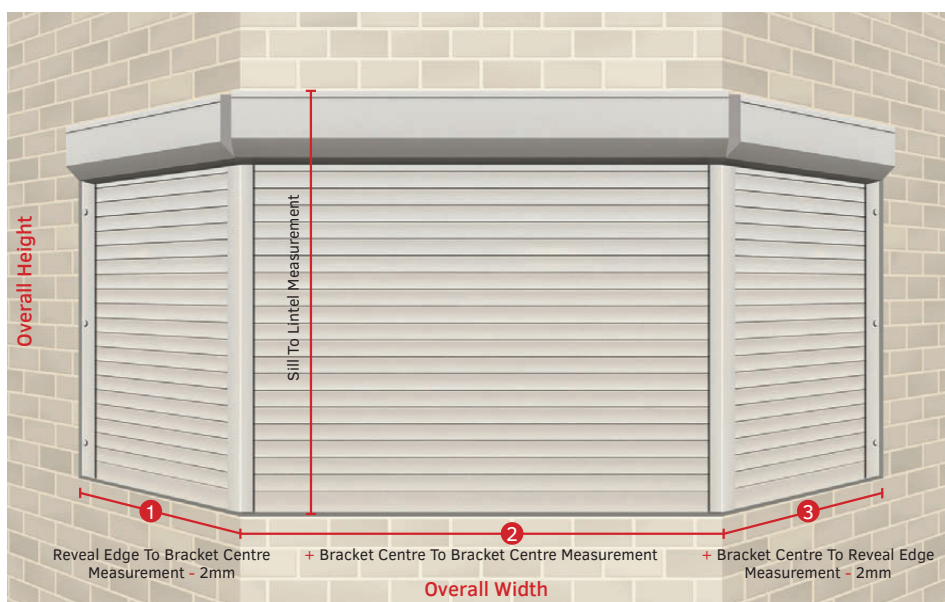
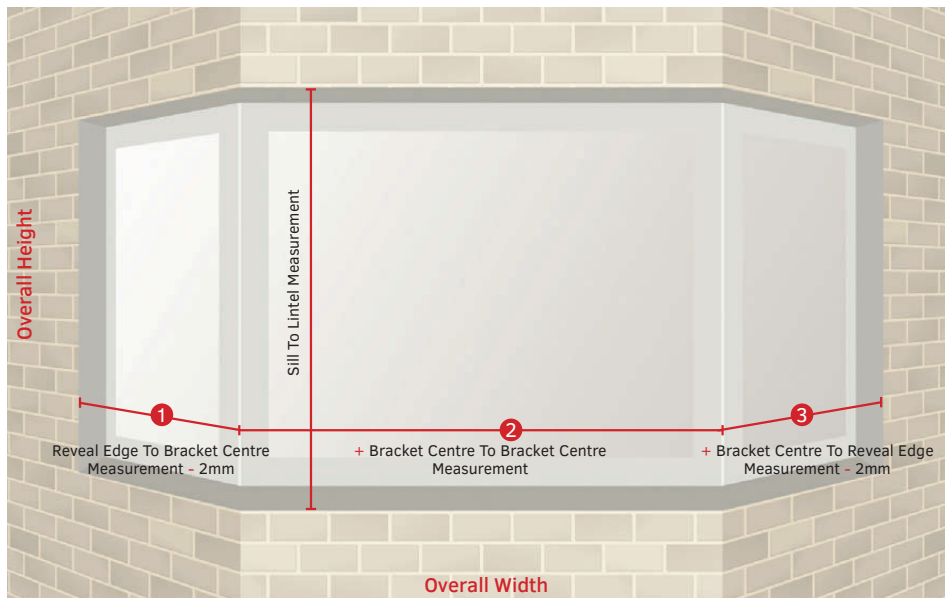
Shutter ③

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).

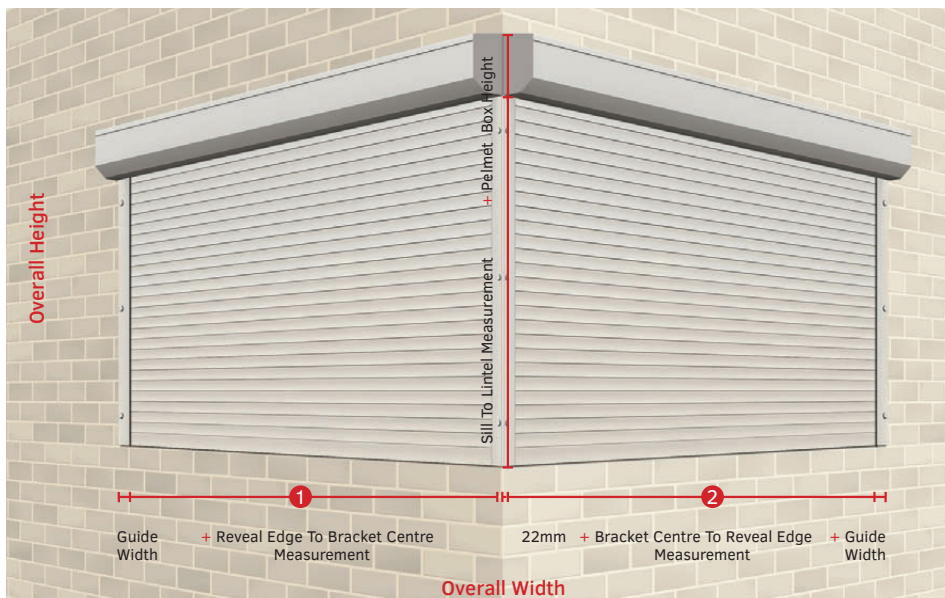
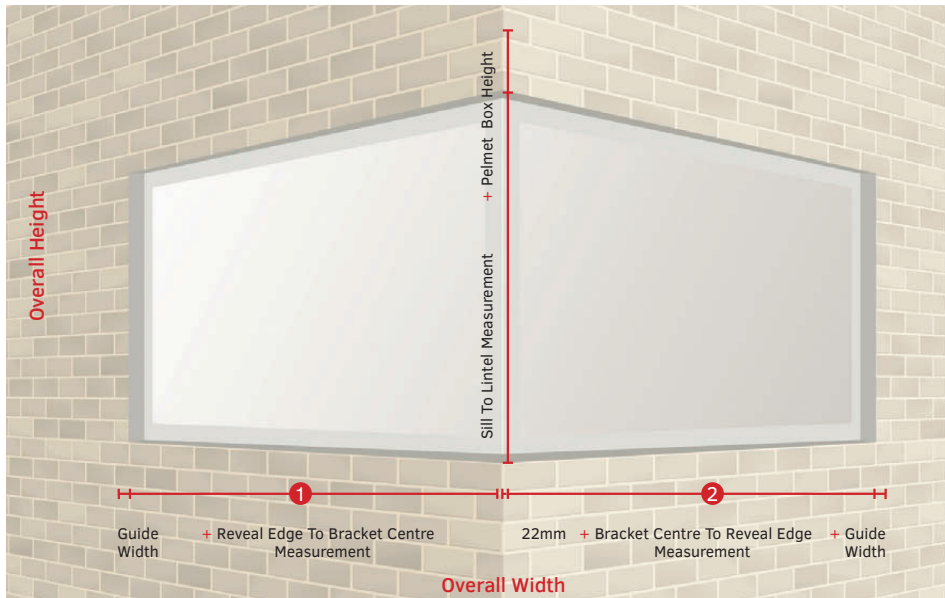
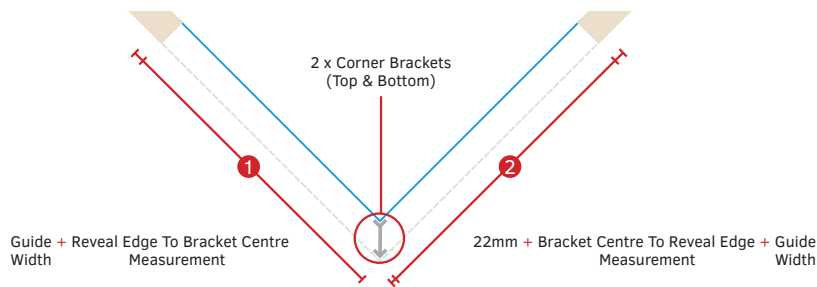


TIPS FOR MEASURING ROLLER SHUTTERS

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:

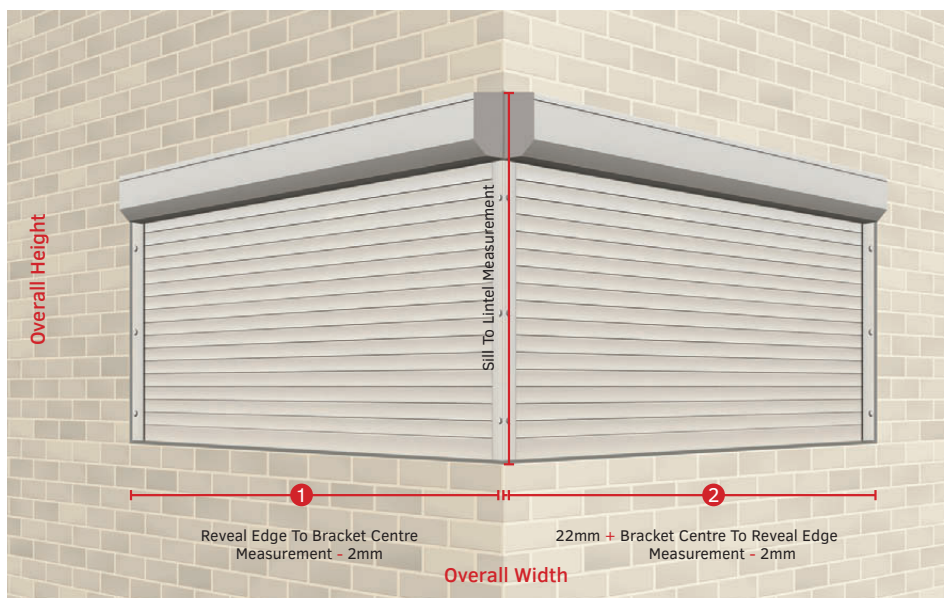
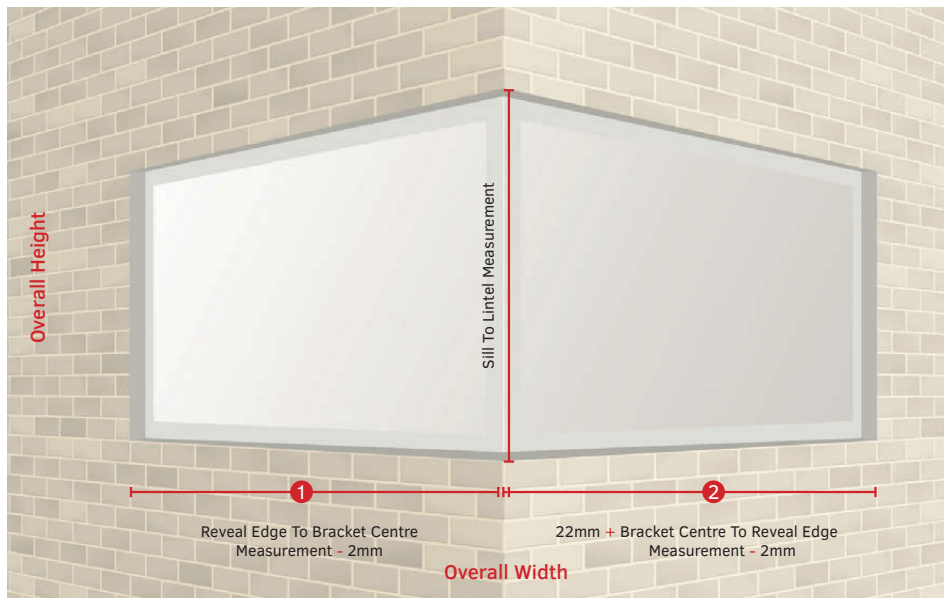
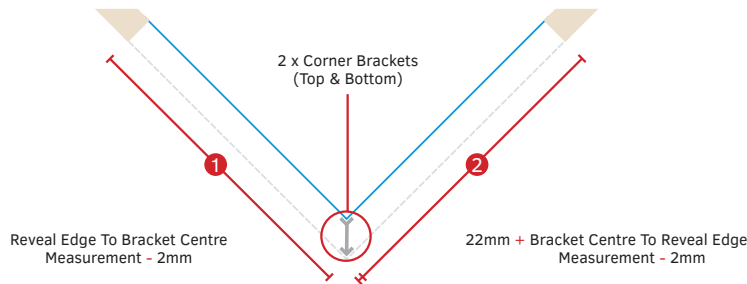
Measure from sill to lintel (opening size) + pelmet box height (if applicable).

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

DEFINITIONS

1 In these terms and conditions:

'Confidential Information' means information that (i) is by its nature confidential; (ii) is designated by the Supplier to be confidential; or (iii) the Customer knows or ought to know is confidential, relating to the Goods or the Supplier's business which is not in the public domain, including trade secrets, know-how, scientific, technical, product, market or pricing information.

'Contract' means a contract between the Supplier and the Customer for the supply of Goods and/or Services.

'Customer' means the person, firm, organisation, partnership, corporation, trustee of a trust or other entity (including its successors and permitted assigns) to whom Goods and/or Services are provided by the Supplier.

'Customer Material' means any and all information, specifications, data, and documents provided by the Customer to the Supplier (whether in hard copy or in an electronic format) in the course of the Supplier supplying the Goods and/or Services.

'Goods' means all goods supplied by the Supplier to the Customer (and where the context so permits shall include any supply of Services as hereinafter defined) and as are described on the invoices, quotation, work authorisation or any other forms as provided by the Supplier to the Customer.

'GST' has the meaning given to it by *A New Tax System (Goods and Services Tax) Act 1999* (Cth).

'Order' means a written or verbal order from the Customer requesting the supply of Goods and/or Services.

'PPSA' means the *Personal Property Securities Act 2009* (Cth).

'PSR' means the Personal Property Securities Register.

'Price' means the Price payable for the Goods and/or the Services as determined in accordance with clause 2.

'Services' means all services supplied by the Supplier to the Customer (and where the context so permits shall include any supply of Goods as described above).

'Supplier' means Naretree Pty. Ltd. ACN 008 060 982 ATF Elasaad Family Trust ABN 19 810 045 945 and its related bodies corporate (as that term is defined in the *Corporations Act 2001*).

'Supplier IP' means all Intellectual Property Rights in and in relation to:

- Confidential Information;
- all documents, reports, software, patents and patentable inventions relating to the Goods; and
- Works.

'Works' means all literary, artistic and other works, including all physical works, production materials and subject matter created solely or jointly with others, by the Supplier in the course of or in relation to this agreement in which Intellectual Property Rights may subsist and all drafts, variations, alterations and adaptations of such works or subject matter (whether currently existing or created in the future).

PRICE AND PAYMENT TERMS

2 At the Supplier's sole discretion, the Price shall be either:

- as indicated on the Supplier's then current price list (as amended from time to time);
- as indicated on invoices provided by the Supplier to the Customer in respect of Goods and/or Services; or
- the Supplier's quoted Price (subject to clauses 9 and 13 to 15) which shall be binding on the Supplier provided the Customer accepts the quotation in writing within the period specified in clause 9.

3 Where the Customer has an approved credit account with the Supplier, the terms of payment are strictly thirty (30) days from the end of month of invoice (or such other period as nominated by the Supplier

herein). The Supplier may, at any time, vary the terms of payment in accordance with these terms and conditions.

4 Where the Customer does not have an approved credit account with the Supplier, payment of the Price must be made on or before delivery (or by such other period as nominated by the Supplier).

5 The Customer must check all invoices and advise the Supplier of any errors or omissions within seven (7) days of receipt. Failing advice from the Customer that the invoice contains any errors or omissions, the invoice may be deemed accepted by the Supplier.

6 Should the Customer not pay for the Goods and/or Services supplied by the Supplier in accordance with the terms and conditions provided herein, or as agreed in writing by the Supplier and Customer from time to time, after issuing a written demand to the Customer demanding payment within fourteen (14) days, the Supplier will be entitled to charge an administration fee of ten (10) percent of the amount outstanding in respect of the Goods and/or Services.

7 The Customer acknowledges that the Supplier shall be at liberty to charge a surcharge for credit card transactions equal to the Supplier's costs of processing such transactions.

PURPOSE OF CREDIT

8 The Customer acknowledges and agrees that any credit to be provided to the Customer by the Supplier is to be applied wholly or predominantly for business purposes.

FORMATION OF CONTRACT

9 Quotations are exclusive of any GST and shall remain valid for a period of thirty (30) days from the date of quotation, unless otherwise specified in writing. The Supplier, in its sole discretion, reserves the right to withdraw, vary or extend any quotation at any time prior to the formation of a Contract in accordance with clause 10.

10 Quotations made by the Supplier are estimates only and will not be construed as an offer or obligation to supply in accordance with the quotation. The Supplier reserves the right to accept or reject, at its discretion, any Order. Only written acceptance by the Supplier of an Offer will complete a Contract.

11 Placement of an Order, either verbally or in writing, will constitute acceptance of these terms and conditions.

12 At the Supplier's sole discretion, a deposit may be required. The deposit amount or percentage of the price due will be stipulated at the time of the order of the Goods and/or Services and shall immediately become due and payable upon the formation of a Contract in accordance with clause 10. For the purposes of clarity, where a deposit is requested, the Supplier is under no obligation to supply Goods and/or Services until the deposit has been received by the Supplier in cleared funds.

VARIATIONS

13 Where the Customer requests or directs that any Goods and/or Services be supplied that are not strictly in accordance with the quotation or Order, then such Goods and/or Services shall constitute a variation, unless otherwise agreed between the parties.

14 The Customer understands and agrees that:

- all variations must be agreed between the parties in writing prior to the Goods and/or Services being supplied; and
- all variations shall be, at the Supplier's discretion, invoiced at the rate(s) specified in the quotation, as specifically quoted, or in accordance with the Supplier's current prevailing rates (as amended from time to time).

15 Notwithstanding clauses 13 and 14, and subject to any rights the Customer might have under any relevant legislation, the Supplier reserves the right to vary the quoted price if:

- there is any movement in the cost of supplying the Goods and/or Services specified in the Order (including, without

limitation, any actual increase in the costs to the Supplier in manufacturing, procuring or transporting the Goods, currency fluctuations, and/or actual increases in labour in connection with the supply of the Goods and/or Services);

- the Goods and/or Services specified in the Order are varied from the Goods and/or Services specified in the Supplier's quotation; or

- otherwise as provided for in these terms and conditions.

CANCELLATION OF ORDERS

16 Unless otherwise agreed in writing between the parties, the Customer may not cancel an Order (or any part of an Order), delivery of the Goods cannot be deferred and Goods ordered cannot be returned except with the prior written consent of the Supplier and then (subject to clause 29(b)) only upon terms that the Customer reimburse and indemnify the Supplier against all losses it has incurred or may incur as a result of the cancellation, deferral or return, including, without limitation, cartage, bank charges, other incidental expenses incurred on any part of the Order and loss of profits.

17 Notwithstanding any other rights the Supplier may have under this agreement, the Supplier may, in its sole discretion, cancel any Order or delivery of any Order, by providing written notice to the Customer if the Customer:

- defaults in payment of any invoice by the due date;
- enters into liquidation or, where the Customer is an individual, becomes bankrupt; or
- breaches an essential term of this agreement.

18 To the fullest extent permitted by law, the Supplier accepts no liability for any loss whatsoever incurred by the Customer or any third party as a result of the Supplier exercising its rights under clause 17.

DELIVERY

19 The Customer shall be liable for all costs associated with delivery, including freight, insurance, handling and other charges, unless otherwise agreed in writing.

20 The Customer acknowledges and accepts that any period or date for delivery stated by the Supplier is intended as an estimate only and is not a contractual commitment. The Supplier will not in any circumstances be liable for any loss or damage suffered by the Customer or any third party for failure to meet any estimated delivery.

21 Delivery will be made within normal business hours between Monday to Friday, 8.00am to 5.00pm only (unless otherwise agreed to in writing).

22 Delivery is deemed to occur at the earlier of:

- the collection of Goods from the Supplier by the Customer or any third party on behalf of the Customer;
- the time of loading of Goods at the Supplier's premises for the purpose of delivery to the Customer.

23 The Supplier is entitled to charge a reasonable fee for storage and/or redelivery charges in the event the Customer does not, or is unable to, accept delivery of the Goods.

24 The Customer accepts that the Supplier may deliver Goods by instalments and require payment for each separate instalment in accordance with these terms and conditions.

25 The Customer acknowledges and accepts that it is not relieved from any obligation arising under these terms and conditions by reason of any delay in delivery.

26 The Customer shall make all arrangements necessary to take delivery of the Goods whenever they are tendered for delivery.

RETURNS

27 The Customer must inspect the Goods immediately upon delivery and must within seven (7) days after the date of inspection give written notice to the Supplier with particulars, of any claim that the Goods are not in accordance with this agreement. Further, the Customer must, upon request

from the Supplier, allow the Supplier to enter upon any premises occupied by the Customer to inspect the Goods that are subject of the claim. If the Customer fails to give notice or refuses to allow the Supplier to inspect the Goods, then to the extent permitted by law, the Goods must be treated as having been accepted by the Customer (and the Customer shall have no claim against the Supplier for damage or non-conformity of the Goods with these terms and conditions or any agreement between them) and the Customer must pay for the Goods in accordance with these terms and conditions.

28 The Customer cannot return Goods to the Supplier without the written agreement of the Supplier. To the extent permitted by law, Goods that have been specifically produced or purchased by the Supplier at the Customer's request cannot be returned in any circumstances.

29 After inspection has taken place as provided for by clause 27 (but subject to clause 28):

- if the Supplier reasonably determines that:

- the Goods are not damaged; or
- the Goods were damaged by the Customer or the Customer failed to take reasonable steps to prevent the Goods from becoming damaged; and
- the Goods are otherwise in conformity with these terms and conditions,

the Customer is deemed to have accepted the Goods and the Supplier is entitled to the Price.

- if the Supplier reasonably determines that:

- the Goods are damaged; and
- the Goods were not damaged by the Customer and the Customer did not fail to take reasonable steps to prevent the Goods from becoming damaged; or
- the Goods are otherwise not in conformity with these terms and conditions,

the Customer is entitled to any one or more, at the option of the Supplier:

- the replacement of the Goods or the supply of equivalent Goods;
- the repair of the Goods;
- the payment of the cost of replacing the Goods or acquiring equivalent Goods;
- the payment of the cost of having the Goods repaired.

30 Where Goods are the subject of a notice under clause 27:

- the Customer must leave the Goods in the state and condition in which they were delivered until such time as the Supplier or its duly authorised agent has inspected the Goods; and

- such inspection must be carried out within a reasonable time after notification by the Customer.

31 The Customer acknowledges and agrees that any return, other than a return due to a default by the Supplier under this agreement or as otherwise permitted by law, will incur a handling and administration charge of ten (10) percent of the purchase price of the returned Goods.

32 Unless otherwise agreed in writing between the parties, the Customer must pay all costs associated with the return of any Goods (either to the Supplier or from the Supplier to the Customer or any third party) including freight, insurance, handling and other charges. Goods to be returned to the Supplier must be unsoiled, undamaged, packed and wrapped appropriately and must include all original packaging and documentation. The Supplier accepts no liability for any damage that occurs to any Goods in return transit.

RISK

33 Risk of damage to or loss of the Goods passes to the Customer on delivery and the Customer must insure the Goods on or before delivery against all losses which may be sustained as a result of the loss,

TERMS & CONDITIONS OF SALE

damage or destruction of the Goods or any part thereof by accident, theft, fire, flood, negligence and such other insurable causes as may be available and shall include the Supplier as co-insured.

- 34 If any of the Goods are damaged or destroyed following delivery but prior to ownership passing to the Customer, the Supplier is entitled to receive all insurance proceeds payable for the Goods to the extent of the indebtedness of the Customer to the Supplier. The production of these terms and conditions by the Supplier is sufficient evidence of the Supplier's rights to receive the insurance proceeds without the need for any person dealing with the Supplier to make further enquiries.
- 35 If the Customer requests that Goods are delivered either to an unattended location, left outside, or are left outside the Supplier's premises for collection, the Customer acknowledges that the Supplier will deliver the Goods as requested at the Customer's sole risk.

RETENTION OF TITLE

- 36 Until such time as the Customer has made payment in full for the Goods and until such time as the Customer has made payment in full of all other money owing by the Customer to the Supplier (whether in respect of money payable under a specific Contract or on any other account whatsoever):
- (a) title in the Goods does not pass to the Customer;
- (b) the Customer agrees that property and title in the Goods will not pass to the Customer and the Supplier retains the legal and equitable title in those Goods supplied and not yet sold;
- (c) the Customer will hold the Goods in a fiduciary capacity for the Supplier and agrees to store the Goods in such a manner that they can be identified as the property of the Supplier, and will not mix the Goods with other similar goods; and
- (d) the Customer will be entitled to sell the Goods in the ordinary course of its business but will sell as agent and bailee for the Supplier and the proceeds of sale of the Goods will be held by the Customer on trust for the Supplier absolutely.
- 37 The Customer's liability to the Supplier under these terms and conditions will not be discharged by the operation of clause 36(d) (but its levels of indebtedness will be reduced by the extent of the funds so remitted to the Supplier).
- 38 The Customer agrees that whilst property and title in the Goods remains with the Supplier, the Supplier has the right, with prior notice to the Customer, to enter upon any premises occupied by the Customer (or any receiver, receiver and manager, administrator, liquidator or trustee in bankruptcy of the Customer) to inspect the Goods of the Supplier and, when payment is overdue, to immediately enter the premises (as the Customer's invitee) to repossess the Goods which may be in the Customer's possession, custody or control when payment is overdue.
- 39 The Customer will be responsible for the Supplier's reasonable costs and expenses in exercising its rights under clause 38 where the Customer is otherwise in default of the terms of this agreement. Where the Supplier exercises any power to enter the premises, that entry will not give rise to any action of trespass or similar action on the part of the Customer against the Supplier, its employees, servants or agents.
- 40 The Customer agrees that where the Goods have been retaken into the possession of the Supplier, the Supplier has the absolute right to sell or deal with the Goods, and if necessary, sell the Goods with the trademark or name of the Customer on those Goods, and the Customer hereby grants an irrevocable licence to the Supplier to do all things necessary to sell the Goods bearing the name or trademark of the Customer.
- 41 For the avoidance of doubt, the Supplier's interest constitutes a 'purchase money security interest' pursuant to the PPSA.

PERSONAL PROPERTY SECURITIES ACT

- 42 The Customer acknowledges that by assenting to these terms and conditions, the Customer grants a security interest to the Supplier in all Goods (and their proceeds) now or in the future supplied by the Supplier to the Customer (or to its account).
- 43 The Customer undertakes to do anything that is required by the Supplier:
- (a) so that the Supplier can acquire and maintain one or more perfected security interests under the PPSA in respect of the Goods and their proceeds;
- (b) to register a financing statement or financing change statement; and
- (c) to ensure that the Supplier's security position, and rights and obligations, are not adversely affected by the PPSA.
- 44 Unless the Customer has obtained the Supplier's prior written consent, the Customer undertakes not to:
- (a) register a financing change statement in respect of a security interest contemplated or constituted by these terms and conditions; and
- (b) create or purport to create any security interest in the Goods, nor register, or permit to be registered, a financing statement or a financing change statement in relation to the Goods in favour of a third party.
- 45 The Customer:
- (a) waives its right under section 157 of the PPSA to receive a copy of the verification statement relating to a security interest created under these terms and conditions;
- (b) agrees that to the extent permitted by the PPSA, the following provisions of the PPSA will not apply and are contracted out of: section 95 (to the extent that it requires the secured party to give notices to the grantor); section 96; section 118 (to the extent that it allows a secured party to give notices to the grantor); section 121(4); section 125; section 130; section 132(3)(d); section 132(4); section 135; section 142 and section 143; and
- (c) agrees that the following provisions of the PPSA will not apply and the Customer will have no rights under them: section 127; section 129(2) and (3); section 130(1); section 132; section 134(2); section 135; section 136(3), (4) and (5) and section 137.
- 46 The Customer agrees that it will, if requested by the Supplier, sign any documents, provide any information or do anything else the Supplier requests, to ensure that any security interest created in the Supplier's favour by these terms and conditions is, to the fullest extent possible under the PPSA, perfected in accordance with Part 2.2 of the PPSA.
- 47 Notwithstanding section 275 of the PPSA, the parties agree to keep confidential all information of the kind referred to in section 275 of the PPSA, unless compelled by law to disclose such information.
- 48 The Customer irrevocably grants to the Supplier the right to enter upon the Customer's property or premises, with notice, and without being in any way liable to the Customer or to any third party, if the Supplier has cause to exercise any of its rights under sections 123 and/or 128 of the PPSA, and the Customer shall reasonably indemnify the Supplier from any claims made by any third party as a result of such exercise.
- 49 The Customer will be responsible for the Supplier's reasonable costs and expenses in exercising its rights under clause 48 where the Customer is otherwise in default of these terms and conditions. Where the Supplier exercises any power to enter the premises, that entry will not give rise to any action of trespass or similar action on the part of the Customer against the Supplier, its employees, servants or agents.
- 50 The Customer agrees to accept service of any document required to be served, including any notice under this agreement or the PPSA or any originating process, by prepaid post at any address nominated in

this application or any other address later notified to the Supplier by the Customer or the Customer's authorised representative.

- 51 The Customer further agrees that where the Supplier has rights in addition to those under part 4 of the PPSA, those rights will continue to apply.

SECURITY/CHARGES

- 52 The Customer charges in favour of the Supplier all of its estate and interest in any real property, whether held in its own right or as capacity as trustee, the Customer owns at present and in the future with payment of all monies which are now or in the future become owing to the Supplier whether pursuant to these terms and conditions or otherwise until all such monies are paid in full by the Customer.
- 53 The Customer charges in favour of the Supplier all of its estate and interest in any personal property, whether held in its own right or as capacity as trustee, the Customer owns at present and in the future with payment of all monies which are now or in the future become owing to the Supplier whether pursuant to these terms and conditions or otherwise until all such monies are paid in full by the Customer.
- 54 As security for the payment of the amount of its indebtedness to the Supplier from time to time, the Customer irrevocably appoints as its duly constituted attorney the Supplier's company secretary from time to time to execute in the Customer's name and as the Customer's act and deed any real property mortgage, bill of sale or consent to any caveat the Supplier may choose to lodge against real property that the Customer may own in any Land Titles Office in any state or territory of Australia, even though the Customer may not have defaulted in carrying out its obligations hereunder upon written notice and demand to the Customer (in the event that there is no default by the Customer in carrying out its obligations hereunder).
- 55 Where the Customer has previously entered into an agreement with the Supplier by which the Customer has granted a charge, mortgage or other security interest (including a security interest as defined in the PPSA) over or in respect of real or personal property, those charges, mortgages or other security interests and the terms which directly or indirectly create rights, powers or obligations in respect thereto will continue and co-exist with the obligations and security interests created in this agreement and will secure all indebtedness and obligations of the Customer under this agreement. The Supplier may, at its election and upon the provision of written notice, vary the terms of such previous charges, mortgages or other securities to reflect the terms herein.

CANCELLATION OF TERMS OF CREDIT

- 56 The Supplier reserves the right to withdraw credit at any time upon provision of 48 hours' written notice.
- 57 Notwithstanding clause 56, if the Customer defaults in the payment of any amount due to the Supplier pursuant to this agreement and does not cure such default within seven (7) days after being given notice of such default, the Supplier may terminate this agreement (to be effective immediately) upon notice to the Customer.
- 58 Upon the withdrawal of credit in accordance with clause 56, or upon termination of this agreement in accordance with clause 57, all liabilities incurred by the Customer become immediately due and payable to the Supplier.
- 59 For the avoidance of doubt, termination of this agreement will not affect:
- (a) the right of any party to whom money is owed hereunder at the time of termination to receive that money according to the provisions hereof; and
- (b) the rights and/or obligations pursuant to this agreement which by their nature are intended to survive termination of this agreement.

PROVISION OF FURTHER INFORMATION

- 60 The Customer undertakes to comply with any reasonable written requests by the Supplier to provide further information for the purpose of assessing the Customer's creditworthiness, including an updated credit application.
- 61 If the Customer is a corporation (with the exception of a public listed company), it must advise the Supplier of any alteration to its corporate structure (for example, by changing directors, shareholders, or its constitution). In the case of a change of directors or shareholders the Supplier may ask for its directors to sign a guarantee and indemnity.

CORPORATIONS

- 62 If the Customer is a corporation, the Customer warrants that all of its directors have signed this agreement and acknowledges that all of its directors may be required to enter into a guarantee and indemnity with the Supplier in relation to the Customer's obligations to the Supplier.

TRUSTEE CAPACITY

- 63 If the Customer is the trustee of a trust (whether disclosed to the Supplier or not), the Customer warrants to the Supplier that:
- (a) the Customer enters into this agreement in both its capacity as trustee and in its personal capacity;
- (b) the Customer has the right to be reasonably indemnified out of trust assets;
- (c) the Customer has the power under the trust deed to sign this agreement; and
- (d) the Customer will not retire as trustee of the trust or appoint any new or additional trustee without advising the Supplier and having the new or additional trustee sign an agreement on substantially the same terms as this agreement.
- 64 The Customer must give the Supplier a copy of the trust deed upon request.

PARTNERSHIP

- 65 If the Customer enters into this agreement in its capacity as a partnership, the Customer warrants that all of the partners have signed this agreement and that all of the partners may be required to enter into a guarantee and indemnity with the Supplier in relation to the Customer's obligations to the Supplier.
- 66 If the Customer is a partnership, it must not alter its partnership (for example, adding or removing partners or altering its partnership agreement) without advising the Supplier. In the case of a change of partners, the Supplier may ask for new guarantors to sign a guarantee and indemnity.

INSOLVENCY

- 67 If the Customer becomes insolvent, to the extent permitted by law, the Customer remains liable under this agreement for payment of all liabilities incurred hereunder. The Customer remains liable under this agreement even if the Supplier receives a dividend or payment as a result of the Customer being insolvent.

INDEMNITY

- 68 The Customer agrees to indemnify the Supplier in respect of all liability, claims, damage, loss, costs and expenses (including collection costs, debt recovery fees, and legal costs on an indemnity basis) that the Supplier may suffer or incur at any time, directly or indirectly, as a result of:
- (a) damage to property or death of, or injury to, any person caused directly or indirectly by the Goods;
- (b) any claim against the Supplier in relation to any incident concerning the Goods or their use, operation, or storage; or
- (c) any default by the Customer in the performance or observance of the Customer's obligations under these terms and conditions.
- 69 The Customer's liability to indemnify the Supplier will be reduced proportionally to the extent only that:
- (a) any negligent act or omission by the Supplier or a breach of the Supplier's

TERMS & CONDITIONS OF SALE

obligations under these terms and conditions has contributed to the liability, claim, damage, loss, cost or expense which is the subject of the indemnity; or

- (b) these terms and conditions make the Supplier specifically liable for any cost or expense or rectifying or repairing any defect in, malfunction of or damage to the Goods.

- 70 The Customer's liability to indemnify the Supplier is a continuing obligation separate and independent from the Customer's other obligations and survives termination of this agreement or any Order.
- 71 It is not necessary for the Supplier to incur any expense or make any payment before enforcing its rights of indemnity conferred by these terms and conditions.

COSTS

- 72 The Customer must pay for its own legal, accounting and business costs and all costs incurred by the Supplier relating to any default by the Customer under this agreement. The Customer must also pay for all stamp duty and other taxes payable on this agreement (if any).
- 73 The Customer will pay the Supplier's costs and disbursements incurred in pursuing any recovery action, or any other claim or remedy, against the Customer, including collection costs, debt recovery fees and legal costs on an indemnity basis.
- 74 Subject to clauses 75 and 76, payments by, or on behalf of, the Customer will be applied by the Supplier as follows:
- (a) Firstly, in payment of any and all collection costs and legal costs in accordance with clauses 39, 49, 68, and 73.
- (b) Secondly, in payment of any interest incurred in accordance with clause 79.
- (c) Thirdly, in payment of the outstanding invoice(s), or part thereof in an order determined by the Supplier in its absolute discretion.
- 75 To the extent that payments have been allocated to invoices by the Supplier in its business records, the Supplier may, at its sole and unfettered discretion, allocate and/or retrospectively reallocate payments in any manner whatsoever at the Supplier's absolute discretion, including in a manner inconsistent with clause 74 herein.
- 76 Payments allocated (and/or reallocated) under clause 74 and/or 75 will be treated as though they were allocated (and/or reallocated) in the manner determined by the Supplier on the date of receipt of payment.

TAXES AND DUTY

- 77 The Customer must pay GST on any taxable supply made by the Supplier to the Customer under this agreement. The payment of GST is in addition to any other consideration payable by the Customer for a taxable supply.
- 78 If as a result of:
- (a) any legislation becoming applicable to the subject matter of this agreement; or
- (b) any changes in legislation or its interpretation by a court of competent jurisdiction or by any authority charged with its administration;
- the Supplier becomes liable to pay any tax, duty, excise or levy in respect of the amounts received from the Customer, then the Customer must pay the Supplier these additional amounts on 48 hours' written demand.

INTEREST RATES

- 79 The interest rate on any outstanding debts is a fixed rate of ten (10) percent per annum, which interest will accrue and be recoverable each day or part thereof that the debt remains outstanding.

SUBCONTRACTING AND ASSIGNMENT

- 80 The Supplier may engage a subcontractor without the approval of the Customer to perform all or any of its obligations under these terms and conditions.
- 81 Neither party shall assign its benefits or obligations under these terms and

conditions without the written consent of the other (which consent shall not be unreasonably withheld).

ACCURACY OF CUSTOMER MATERIAL

- 82 The Customer warrants that any Customer Material provided to the Supplier is accurate and correct. The Supplier, to the extent permitted by law, accepts no liability for any loss, damage, costs or expense (including, without limitation, rectification costs) incurred by the Customer or by any third party as a result of the Customer Material being inaccurate or incorrect.
- 83 Where the Customer has provided Customer Material to the Supplier, the Customer grants the Supplier a non-exclusive license to use the Customer Material for the purposes of supplying the Goods and/or Services and warrants that the use of the Customer Material does not infringe the intellectual property rights of any third party. Further, the Customer agrees to indemnify the Supplier against any claim arising from the use of the Customer Material, where such Customer Material infringes or is alleged to infringe the Intellectual Property Rights of any third party.

INTELLECTUAL PROPERTY

- 84 The Customer acknowledges that:
- (a) the Supplier IP in existence at the date of this agreement is and will at all times remain the property of the Supplier;
- (b) the Supplier IP created or developed following the date of this agreement vests in the Supplier as soon as those Intellectual Property Rights are created or developed and will at all times remain the property of the Supplier; and
- (c) it has no rights under this agreement or otherwise to use Supplier IP except as set out in this agreement.

WAIVER

- 85 A waiver of any provision or breach of this agreement by the Supplier shall only be effective if made by an authorised officer of the Supplier in writing. A waiver of any provision or breach of this agreement by the Customer shall only be effective if made by the Customer's authorised officer in writing. If the Supplier or the Customer elect not to enforce its rights arising as a result of a breach of these terms and conditions, that will not constitute a waiver of any rights relating to any subsequent or other breach.

SET-OFF

- 86 All payments required to be made by the Customer under this agreement will be made free of any set-off, or counterclaim and without deduction or withholding, unless agreed to otherwise by the Supplier and the Customer in writing or as required by law.
- 87 Any amount due to the Supplier from time to time may be deducted from any monies which may be or may become payable to the Customer by the Supplier.

LIMITATION OF LIABILITY

- 88 In relation to the supply of Goods, to the fullest extent permitted by law, the Supplier's liability to the Customer for any loss, damage or injury, whether under contract, in tort, pursuant to statute or otherwise, is limited to, at the Supplier's discretion, to any one or more of the following:
- (a) the replacement of the Goods or the supply of equivalent Goods;
- (b) the repair of the Goods;
- (c) the payment of the cost of replacing the Goods or acquiring equivalent Goods;
- (d) the payment of the cost of having the Goods repaired.
- 89 In relation to the supply of Services, to the fullest extent permitted by law, the Supplier's liability to the Customer for any loss, damage or injury, whether under contract, in tort, pursuant to statute or otherwise, is limited to, at the Supplier's discretion, to any one or more of the following:
- (a) the supply of the Services again; or

- (b) providing for the cost of having the Services supplied again.

- 90 The Supplier is not liable for loss of profit, economic or financial loss, consequential loss, loss of opportunity or benefit, loss of a right or any other indirect loss suffered by the Customer as a result of the Goods and/or Services supplied under these terms and conditions.

- 91 All terms, conditions, warranties, indemnities and statements (whether express, implied, written, oral, collateral, statutory or otherwise) which are not expressly set out in these terms and conditions are hereby expressly excluded and, to the extent they cannot be excluded, the Supplier disclaims all liability in relation to them.

LIABILITY OF PARTIES

- 92 If two or more parties are included within the same defined term in these terms and conditions:
- (a) these terms and conditions have separate operation in relation to each of them;
- (b) a liability or obligation of those persons under these terms and conditions is a joint liability or obligation of all of them and a several liability or obligation of each of them; and
- (c) a right given to those parties under these terms and conditions is a right given severally to each of them.

FORCE MAJEURE

- 93 The Supplier is not liable to the Customer for any delay or failure to perform its obligations pursuant to these terms and conditions if such delay or failure to perform is due to force majeure being a circumstance beyond its reasonable control, including strikes, lockouts, fires, floods, storm, riots, war, embargoes, civil commotions, supplier shortages, plant or mechanical breakdown, disease or pandemic, government intervention or regulation, acts of God or any other activity beyond the Supplier's control.

SEVERANCE

- 94 If any provision of this agreement is not enforceable in accordance with its terms, other provisions which are self-sustaining are, and continue to be, enforceable in accordance with their terms.
- 95 If any part of this agreement is invalid or unenforceable, that part is deleted and the remainder of the agreement remains effective.

VARIATION OF AGREEMENT

- 96 The Customer agrees that these terms and conditions may be varied, added to, or amended by an authorised officer of the Supplier at any time by written notice to the Customer. Subject to clause 97, after fourteen (14) days of receipt of the written notice of the variation(s), the variation(s) will be deemed agreed by the Customer.
- 97 If the Customer does not agree with the variation(s) proposed by the Supplier, it must notify the Supplier in writing within fourteen (14) days from receipt of the written notice that the variation(s) is/are not agreed to. The Supplier and/or the Customer will then be at liberty to suspend/withdraw credit facilities until such time as agreement can be reached between the parties regarding the proposed variation(s). Clerical errors (such as spelling mistakes or grammatical errors) may be subject to correction by the Supplier without notification.
- 98 Any proposed variation to these terms and conditions by the Customer must be requested in writing. The Supplier may refuse any such request without providing reasons either orally or in writing.
- 99 Variations requested by the Customer will only be binding upon the Supplier if they are in writing signed by an authorised officer of the Supplier.

JURISDICTION

- 100 The Customer acknowledges and agrees that this agreement will be governed by the laws of South Australia, and the laws of the

Commonwealth of Australia which are in force in South Australia.

- 101 The Customer acknowledges and agrees that any Contract between the Supplier and the Customer is formed at the address of the Supplier.

- 102 The parties to this agreement submit to the non-exclusive jurisdiction of the courts of South Australia and the relevant federal courts and courts competent to hear appeals from those courts.

ENTIRE AGREEMENT

- 103 The descriptions, illustrations, specifications and data contained in catalogues, price lists other written materials, and samples do not form part of these terms and conditions or of the description to be applied to the Goods.
- 104 This agreement constitutes the entire agreement between the parties relating in any way to its subject matter, unless agreed to otherwise by the Supplier and the Customer in writing. All previous negotiations, understandings, representations, warranties, memoranda or commitments about the subject matter of this agreement are merged in this agreement and are of no further effect. No oral explanation or information provided by a party to another affects the meaning or interpretation of this agreement or constitutes any collateral agreement, warranty or understanding.
- 105 Notwithstanding clause 104, in circumstances where there is a pre-existing written credit agreement (**Original Agreement**) between the Customer and the Supplier, these terms and this agreement will constitute a variation of the Original Agreement whereby the terms of the Original Agreement are deleted and replaced with the terms herein, unless the terms of the Original Agreement are otherwise expressly or implicitly preserved by the terms herein in which case they will co-exist with the terms herein, and, to the extent of any inconsistency, these terms will prevail.
- 106 These terms and conditions shall apply to every Contract between the Supplier and the Customer. Any terms and conditions of the Customer's Order or of any other document deviating from or inconsistent with these terms and conditions are expressly rejected by the Supplier. For the avoidance of doubt, the Customer understands and agrees that these terms and conditions will prevail over, and the Supplier will not be bound by, any terms or conditions (express or implied) added or provided by the Customer, whether in an Order or otherwise, unless otherwise agreed in writing by the Supplier.

PRIVACY ACT

- 107 The Customer agrees to the terms of the Privacy Statement pursuant to the *Privacy Act 1988* contained in this document.

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13-23 Doecke Road
Murray Bridge SA 5253
Australia
Telephone +61 8 8341 0120
Facsimile +61 8 8341 1750
Email info@cwproducts.com.au
www.cwproducts.com.au
ABN 19 810 045 945

