



Australian owned and operated

Product Guide – 2020



INSTALLATION AT HIGH COURT OF AUSTRALIA



Automatic Door Drives

Sliding - Swing - Revolving - Circular

Access & Barrier Free Solutions

**Gates - Boom Gates - Solar & Electric
Automatic Gate Openers Solar & Electric
Electric Window Controls
Koolshade - Smart Louvre - the Smart Sunscreens
Commercial & Architectural Hardware**

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GEZE Circular Sliding Doors with RC2 Security

INSTALLATION AT THE HIGH COURT of AUSTRALIA



A LOOK TO THE FUTURE.



BEWEGUNG MIT SYSTEM

SSShhhh

When a quiet environment is important.

Touch free mobility access.

Delivering quiet and superior hygienic access solutions



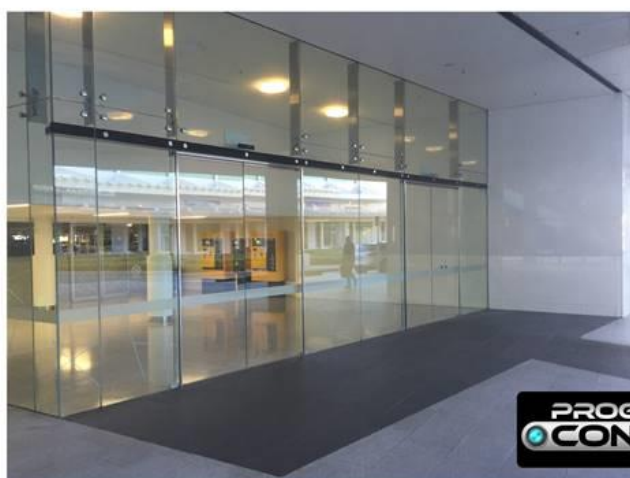
Automatic Sliding Door Operators mounted directly to Glass!



GEZE 'SL' Automatic Sliding Door Operators mounted directly to glass at The Canberra International Airport. Progressive Controls Pty Ltd installed 35 of these slimline auto doors. The client was very happy with the result, as was the Engineering firm that specified GEZE.



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Canberra International Airport external photo of GEZE 70mm SL drive mounted directly to glass.



Canberra International Airport internal photo of GEZE 70mm SL drive mounted directly to glass.

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Curved Glass Sliding Door Operators installed at The High Court of Australia



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Upgrade your Automatic Sliding Door Drive to meet current Australian Standards.

Large numbers of Auto Sliding Door Operators installed across Australia no Longer comply with current Australian Standards.

Progressive Controls supplies & installs upgrade kits for most existing brands & models of Automatic Sliding Doors Operators

Upgrade Kits allow you to have the very latest equipment with belt drive for quiet operation, these can be installed into your existing Auto Door chassis, this brings them up to current Australian Standards. Combination, movement & presence are used for maximum safety.

- New 100% Duty Cycle Heavy Duty Motor (European)
- New Controller (modern European circuitry)
- New Belt Drive for quieter operation
- New Electric Lock (no Manual Lock required)
- New safer combination Presence & Motion sensors are used in place old style radar sensors*

***Dual Combination presence & Motion sensors are used to provide increased safety.**

The Australian Standard calls for Automatic Doors be serviced regularly.

Regular maintenance by experienced technicians not only extends the safe working life of the equipment, it also gives you a record of maintenance should you be queried by your insurer or *WorkSafe*.

Progressive Controls offers Casual & Contract service for GEZE and all other brands of Automatic Door Operator.

Our ACT warehouse carries large stocks of GEZE automatic door equipment for Swing & Sliding doors including upgrade Kits.

GEZE Automatic Operators are designed & manufactured to comply with Australian & European standards

Automatic Sliding Door Operators Made to Order in our Fyshwick warehouse.



Pelmet cover not shown

GEZE Slim Drive NT*

Excellent Door Automation with a 70mm high profile – available with all features to meet the highest standards. *RC2 Security & FR options available.

Suitable for Single and Bi-Parting Doors

GEZE Swing Door Operators are also available with matching 70mm is profile



Pelmet Cover
not shown

GEZE EC Drive

A Versatile Sliding Door Drive unit that suits a wide range of applications
Suitable for Single or Bi-Parting Doors



Pelmet Cover
not shown

GEZE Power Drive - PL

A powerhouse in Sliding Door Automation

Suitable for single Door 200kg or Bi-Part doors 2 x 200kg

GEZE Auto Operators comply with AS5007- 2007 testing parameters and performance criteria and have a class 3 rating, suitable for bi-parting and single sliding doors.

Important note.

GEZE Auto Door Operators are supplied complete with programmable inputs and outputs as standard – costly options boards are not required

SSShhhhh a quiet environment is really important



Swing Door Operators



EC TURN

Electromechanical swing door drive for barrier-free interior doors, for example, in hospital wards and care institutes, in assisted housing, hotels and private home applications



EC TURN INSIDE

Electromechanical swing door drive [Concealed mounting in Door or Head] for barrier-free interior doors, for example, in hospital wards and care institutes, hotels and private home applications.

Battery Back-up [BBU] option available for EC Turn & EC Turn Inside

Important note.

GEZE Auto Door Operators are supplied complete with programmable inputs and outputs as standard - costly options boards are not required



Swing Door Operators - with 70mm profile



EMD

EMD-F [Fire rated]

Available for Single and double door applications Smooth - Extremely quiet – Versatile
Modern – 70mm Slimline Profile – Works with all types of activation – High work load
capacity. Standard and Slide arm options



POWERTURN

A powerful swing door operator, with 70mm slimline profile
A robust specialist and true team player – For doors up to 600kg
Standard & Slide arm options

Important note:

***GEZE Auto Door Operators are supplied complete with programmable inputs and
outputs as standard – costly options boards are not required***

Choose GEZE Door Automation from Progressive Controls in your next project



GEZE Revolving Door Systems

The point of focus in the entrance area

Revolving doors are a component of a façade and also the point of focus of the entrance area of a representative building. Here, it is important for the visitor to make a good "first impression" with the help of an architecturally perfect revolving door which continues to function reliably and safely despite high frequencies of operation. GEZE enables almost unlimited design freedom when it comes to the various materials and colours.

The high insulation effects protecting against draughts, weather and noise mean that revolving doors create a very effective separation of the indoor and outdoor climates and contribute towards saving energy.

Revolving doors made by GEZE enthuse architects, planners and processors. Starting with hotels, shopping centres and banks and going right through to airports and museums, many famous buildings across the world are fitted with door solutions from GEZE including The High Court of Australia & the Canberra Airport

Progressive Controls (PC) is an Australian owned and operated Company which began trading in 1976.

Since the early 1980's PC have supplied, Installed & Serviced Automatic Doors and Gates in the ACT & NSW

PC Provides 24/7 contract & casual service on all brands of Automatic Doors & Gates to Government, Industrial, Commercial, Hospitals, Universities, Colleges, Schools Clubs, Retirement Homes, Shops and Private Homes

A short list of Auto Door installations

Model

Canberra Airport	ACT	SL Slide [35 UNITS]
Lyneham High School	ACT	Various
Alfred Deakin High School	ACT	EC Slide
St Clare's College	ACT	SL Slide
John Hunter Hospital	Newcastle	SL Slide
Merici College	ACT	SL Slide
Good shepherd Primary School	ACT	SL Slide
Neuro science [Neura]	Sydney	SL Slide
Jam factory	Melbourne	SL Slide
Melbourne University	Carlton	Swing
Dairy Farmers Park	Queanbeyan	SL Slide
High Court of Australia	ACT	SL CIRCULAR SLIDING DOORS [4 Sets]
Legacy house	ACT	EC Slide
Canberra College	ACT	SL + EC Slides
Nishii building	ACT	EC Slide
University of Canberra	ACT	EC Slide
Wanniassa High School	ACT	EC Slide
Metro	Chatswood NSW	SL Slide
Canberra hospital	ACT	EMD/F [Fire Rated]
National museum 40 Units	ACT	EC Slide + EMD Swing
Old parliament House	ACT	EMD Swing
Commonwealth Building	ACT	EMD/F Swing
ANU	ACT	EMD Swing
BWS	ACT	EC Slide
Tumut Council	NSW	EC Slide
Cootamundra Railway Station	NSW	EC Slide
Canberra Railway Station	NSW	EC Slide
Calvary John James	ACT	EMD Swing
Labor Club Belconnen	ACT	EC Slide [7 Units]
Tradies Club Dickson	ACT	EC Slide [5 Units]
Retirement Village Greenway	ACT	EC Slide [8 Units]
Burgmann College	ACT	EC Slide
ACT Govt Public Housing	ACT	EC Turn [Multi Units]
CSIRO	ACT	EC Slide
Irish Club	ACT	EC Slide
IGA Chapman	ACT	EC Slide
Holt Medical Centre	ACT	EMD Swing
Throsby Child Care	ACT	EC Slide

GEZE chain drive ECchain

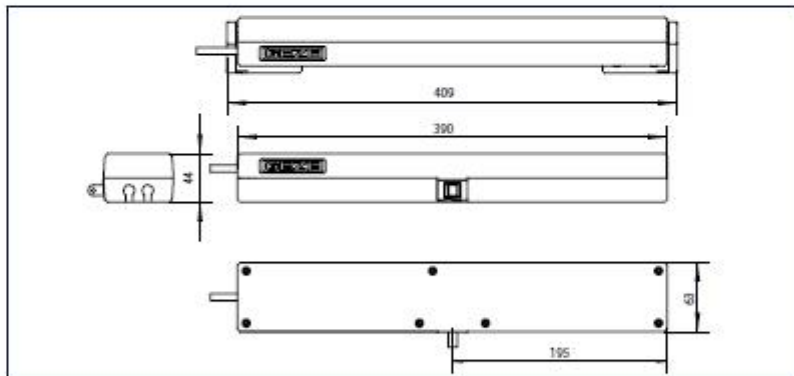
Simple automation possibilities for ventilation operation

The chain drive GEZE ECchain is suitable for straightforward ventilation automation (230 V). As a low-price and powerful entry-level model, it is also suitable for private residential buildings. The ECchain can also be used as a variant on small fanlights, since a maximum opening angle is reached with very low casement heights. The stroke length can be set to 200 mm or 400 mm. The integrated stroke setting option allows for adjustment in line with different ventilation requirements. A range of colour variants allows the drive to be adapted to existing window profiles. The ECchain can be installed quickly and easily.

GEZE ECchain



GEZE ECchain



Application range

- Straightforward automation for ventilation windows and the façade area
- For universal use, particularly in private residential buildings
- Bottom-hung, side-hung and top-hung casements
- Inward-opening and outward-opening casements
- Can be used on timber, plastic and aluminium profile systems
- Frame installation

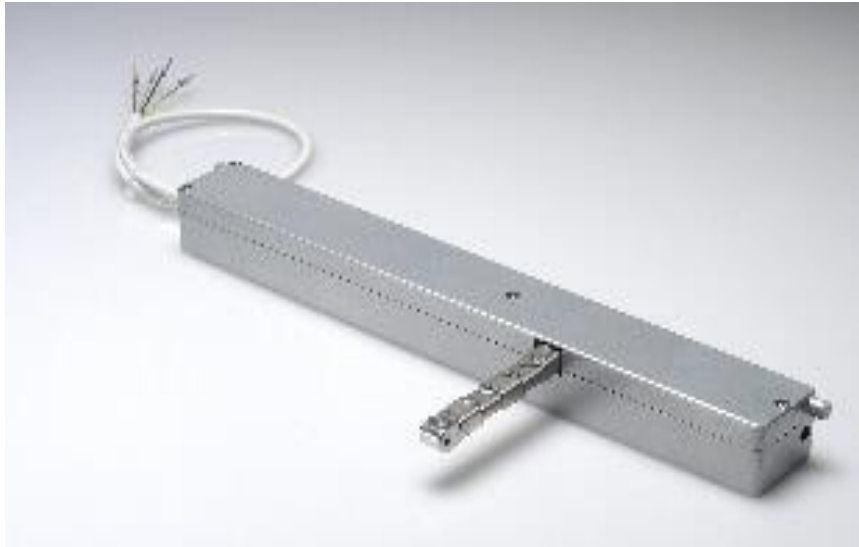


ELECTRIC CHAIN WINDER



PC 300S 240V & 24V

SINGLE 300MM S/STEEL DOUBLE LINK CHAIN



INFORMATION:

VOLTAGE OPTIONS

240V & 24V

POWER

15 – 20 WATTS

STROKE

300

FORCE

200NM

CONNECTION

1.2 METRE 4 CORE CABLE

DUTY CYCLE

20%

CHAIN

DOUBLE LINK STAINLESS STEEL

MOUNTING

PIVOT MOUNTING BRACKETS

MIN SASH HEIGHT

TOP HINGE 400MM NON-FRICTION STAY

400MM

TRAVEL TIME:

9MM SEC

TEMP. RANGE:

-15 TO + 45

PROTECTION:

IP32

ELECTRONIC SPEED CONTROL

YES

PARALLEL CONNECTION

YES

DOUBLE INSULATION:

NO

DIMENSIONS

29 X 42 X 335MM

STANDARD COLOUR

SILVER GREY (OTHER COLOURS TO SPECIAL

ORDER)

MADE IN EUROPE

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ELECTRIC CHAIN WINDER



ECWPC230V400VS & ECWPC24V400VS
SINGLE 400MM S/STEEL DOUBLE LINK CHAIN



INFORMATION:

VOLTAGE OPTIONS	240V & 24V
POWER	18 WATTS
STROKE	150 250 300 350 400
FORCE	300NM
CONNECTION	1.2 METRE CABLE
DUTY CYCLE	20%
CHAIN	DOUBLE LINK STAINLESS STEEL
MOUNTING	PIVOT MOUNTING BRACKETS
MIN SASH HEIGHT	TOP HINGE 400MM NON-FRICTION STAY 400MM
TRAVEL TIME:	9MM SEC
TEMP. RANGE 'C':	-15 TO + 70
PROTECTION:	IP42
ELECTRONIC SPEED CONTROL	YES
PARALLEL CONNECTION	YES
DOUBLE INSULATION:	NO
DIMENSIONS	35 X 53 X 470MM
STANDARD COLOUR	SILVER GREY (OTHER COLOURS TO SPECIAL ORDER)
FIXING BRACKETS	YES

MADE IN EUROPE

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PremSPEED

The Versatile Rapid Auto Roll Door



Description

Designed and manufactured by Premier Door Systems, the PremSPEED, RAPID AUTO ROLL DOOR is a very strong and reliable high speed door. The door panel comprises, as standard, a smooth tear-stop poly weave material and one full-width clear vision panel, plus aluminium reinforcing bars for wind resistance. With an opening speed of up to 1.5m/sec, the PremSPEED is operated by Premier Door Systems' own Control System featuring an LCD display touch screen and is capable of accepting a large variety of door activation options such as floor induction loops, remote controls and motion sensors.



Specifications

Speed	1.5 m/sec
Door Panel	900gsm tear-stop poly weave PVC material – Various Colours Avail
Vision	Fully transparent vision panel can be incorporated in the door panel
Control System	Variable Speed Drive Control System with LCD Display 240V / 50 Hz power supply required
Side Frames	Constructed of corrosion resistant Anodised Aluminium with purpose design seals
Covers	Top Roll Dust and Motor Covers are Colourbond Off White
Bottom Beam	Anodised Aluminium bottom rail with rubber seal
Optional	Flexible Bottom Edge with Break-out and Manual Re-set
Safety	
Safety Light Curtain Active Height to 1800mm	PremSPEED features a safety light grid with an active height to 1800mm for premium safety. This light curtain is integrated into the doors side columns and reverses the door if obstructed by personnel, or equipment.
Activations	
Motion & Safety Radars	Internal & External radar activation and safety
Push Buttons	Internal & External push buttons
Remote Control	Pedestrian or Forklift mounted Remote Control With Receiver
Ground Loops	Internal & External Ground Loop activation with detector

Curtain Colour Options

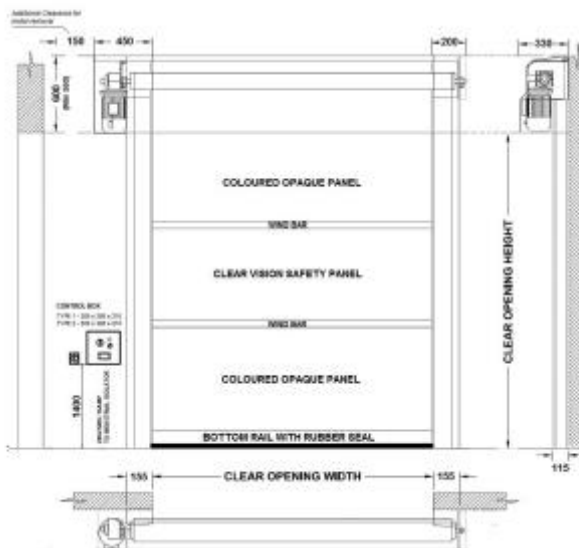


ADDITIONAL COLOURS AVAILABLE UPON REQUEST.

Features & Benefits

- Premium Safety Through Integrated Light Curtain
- Easy to Use LCD Touch Screen Control
- Sleek Attractive Design
- Purpose Designed Seals
- Full Width Vision Panels

Clearance & Dimension



Key Advantages

- Contamination Control
- Pest Prevention
- Low Maintenance Requirements
- Reliability and Durability
- Increased Efficiencies
- Improved Productivity

Manufactured by:

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Victoria, Australia 3061
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PremSWING

See-Through Heavy Duty PVC Swing Door



Description

Prem-SWING PVC doors are perfect for applications for pedestrian and vehicle traffic. The doors feature clear see through panels for safe two-way traffic, operation is push to open with automatic close. PVC panels are available in 5mm and 7mm thicknesses and the frame is constructed of an attractive anodised aluminium frame. Doors can be powder coated and have sign writing applied to suit your individual requirements. A resilient PVC strip seal can be used along the back stile and head profile for optimum sealing performance.

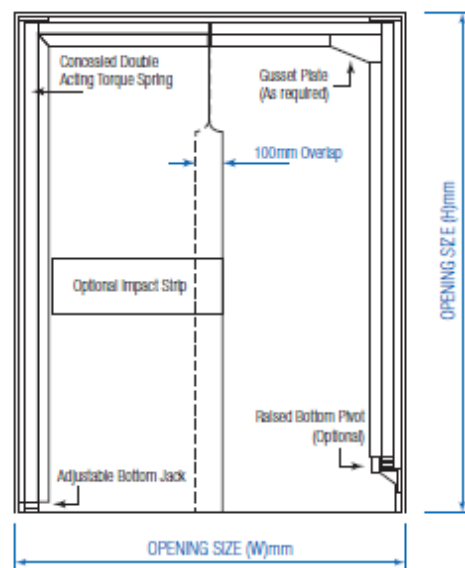


Features & Benefits

See-Through Clear PVC Panels	The durable heavy duty clear PVC panels allow for a high level of visibility and safe two-way traffic.
Panel Signage	Promote your brand and improve your companies image and traffic management by incorporating your message, notice or logo into the panel of your door.
Opaque finish & Impact Strips	Despite the durability of the PVC panel it can be fitted with impact strips for extra protection to high impact areas. These can be fitted at various heights and can be variable in width.
Raised bottom pivot (optional)	A raised bottom pivot system can be utilized in areas such as washdown environments for ease in cleaning and to minimize build-up of material in pivot system.

Specifications

Size (W/H)	To max. 3000W x 3000H
Operation	Semi-automatic -Push to open, door closes automatically from either direction
Construction	Door Leaf panel housed in Anodised Aluminium Frame, continuous grooves retain the sealing strip and PVC Panel over their entire length. The multipurpose profile is utilized for both stile and head and retains the spring mechanism and bottom pivot.
Door Leaf Panel	5 or 7mm Clear heavy duty PVC Panel as standard with 100mm overlap
Hardware	Double acting variable torque spring stake concealed in door stile. Adjustable bottom jack to cater for height variance with; hemispherical pivot to compensate for floor irregularities
Options	
Hold Open	Magnets can be fitted to hold doors open at 90deg for uninterrupted access
Impact Strip	PVC panel can be fitted with impact strips for extra protection to high impact areas.
Opaque Finish	The standard clear panel can be made opaque through the application of coloured panels.
Translucent Finish	The clear panel can have a translucent finish applied to allow for privacy, whilst still allowing light to pass through. (Frosted Finish)
PVC Seals	PVC sealing to stile and head profile for wash down and food/ hygiene areas
Gusset Plate	Reinforcing gusset plate can be fitted for larger high use doors
Powder Coating	The aluminium frame can be powder coated to suit client specifications
Panel Signage	Sign writing to suit clients specifications



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PremIMPACT

High Impact Thermal Traffic Door (HITT)



Description




PremIMPACT is a High Impact Thermal Traffic (HITT) door which caters for areas of high levels of traffic with its semi-automatic operation allowing for the door to close automatically from either direction. The PremIMPACT is constructed of a durable 4mm thick propriety ABS type surface and core filled to provide great insulation properties. The doors can be manufactured in either single or double configurations. Windows come as standard for vision and the doors can be fitted with kick plate spring bumpers for maximum impact resistance. Seals and gaskets are used between the door and jamb to reduce temperature loss.

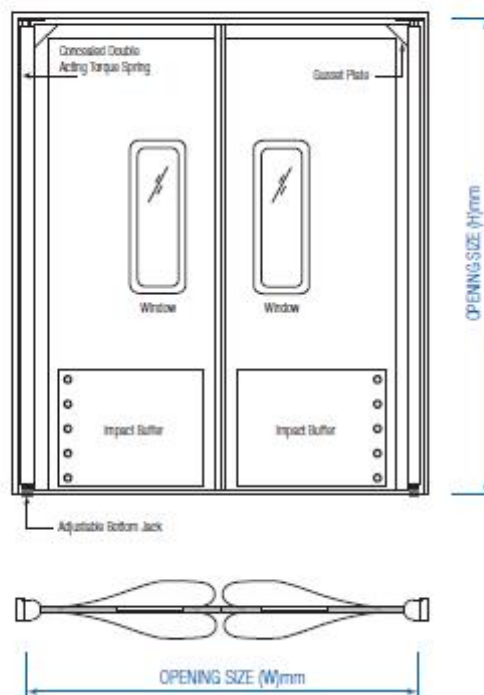


Features & Benefits

High Impact Surfaces	The Prem-IMPACT door panel is chemically and bacterially resistant and contains no timber. The in-built colour will never require painting and retains its clean attractive appearance for the life of the door. The surface is easy to clean and designed to withstand all typical cleaning methods.
Thermal Insulation	The propriety outer ABS type skin is filled with a bacterial resistant CFC free foam insulation, for maximum insulation quality and rating. This provides minimal temperature loss and increased savings due to reduced energy consumption.
Spring Bumper Kick Plates	Spring bumpers can be used for heavy traffic situations to absorb impact and prevent damage to the door face. These provide additional protection to a height of 600mm or 900mm and can be fitted to both sides of the door panel.
Full Gasket Seal Surround	Full Surround PVC gaskets ensure even greater resistance to temperature loss and efficiency whilst also ensuring prevention of dust, insect and contamination intrusion.

Specifications

Size (Width/Height)	3000W x 3000H
Operation	Semi-automatic, door closes automatically from either direction
Construction	Door Leaf panel housed in Anodised Aluminium Frame
Door Leaf Panel	4mm Propriety ABS Type Plastic outer core filled with insulation
Windows	Double walled window with perimeter moulded gasket
Impact Buffers	600mm, or 900mm High spring buffers to both sides of door leaf (Black/Grey/Yellow)
Hardware	PremPIVOT Double acting variable torque spring stake concealed in door stile. Adjustable bottom jack to cater for height variance with hemispherical pivot to compensate for floor irregularities.
Sealing	Full surround PVC gaskets
Standard Panel Colours (below) Colour Match Available on request, subject to lead time and MOQ.	
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>LINED WHITE</p> </div> <div style="text-align: center;">  <p>BLACK</p> </div> <div style="text-align: center;">  <p>GREY</p> </div> </div>	
Applications	
Supermarkets	Cool Rooms Kitchens Hospitals



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Takeaway Shops



Cool Rooms



Liquor Stores



Cafes

PremFLEX

Flexible Climate Control Strip Doors



Description

PremFLEX is The Original Australian Coloured Strip Doors Made by Premier Door Systems for over 30 years. Premier's exclusive ribbed overlapping design forms an effective barrier against dust, insects and other airborne particles. PremFlex is ideal for use in air conditioned or heated areas, including domestic and commercial shop applications.

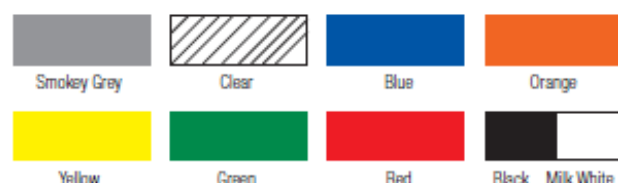


Features & Benefits

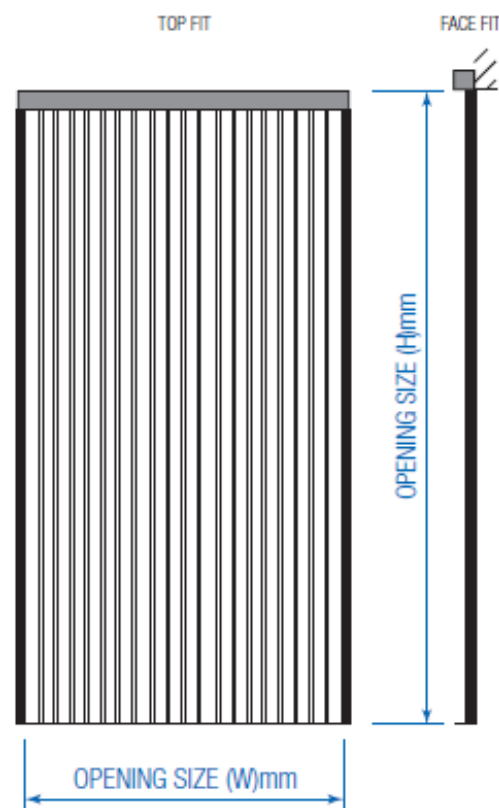
Ribbed Overlap Design	Premier Door Systems exclusive ribbed overlapping design forms an effective barrier against draughts, cold or warm air, dust insects and is the ideal solution for the efficient control of air-conditioning and heating.
Colours	Premier extrudes the PVC Strips onsite and they are available in CLEAR, BLUE, YELLOW, GREEN, RED, ORANGE, SMOKE GREY, MILK WHITE & SOLID BLACK. All are available in any colour combination.
Removable or fixed installation	The PremFLEX head rail can either be installed for permanent fixture, or designed to be removable for take down during closing hours.
Top Fit or Face Fit	Installation of the PremFLEX curtain can be done via a Face or Top fit for versatility of your application – See below

Specifications

Size (W/H)	Manufactured to suit your application.....we make them to fit!
Construction	The curtain head rail is constructed of an anodised aluminium extruded channel which houses the fixture of the ribbed PVC Strips with approx. 1/3rd overlap.
PVC Strips	75mm Wide by 1.7mm thick with overlap rib.
Compliance	Premier Door Systems PremFLEX Curtains are Health Authority Approved



• Also available in combinations



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Boom Gates and Automatic Gate Operators

Commercial & Light Industrial,

Rural & Domestic Solar & Electric

PC offer supply, installation & commissioning of a complete range of Gate Operating equipment for all applications



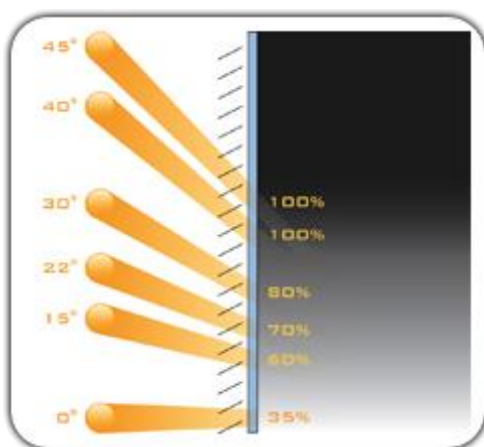


What is SmartLouvre?

SmartLouvre is a screen of tiny bronze louvres that is installed in an aluminium frame on the outside of the window.

The louvres are angled so when the sun rises, they block out the sun and provide your building with total shade, reducing temperatures and eliminating glare.

Each louvre is only 1.27mm wide, so while SmartLouvre blocks 86% of the heat and ALL the direct sun it still provides perfect visibility to the outside.



SMARTLOUVRE
THE MOST EFFICIENT
SOLAR SHADING
SOLUTION BY FAR!

How does it work?

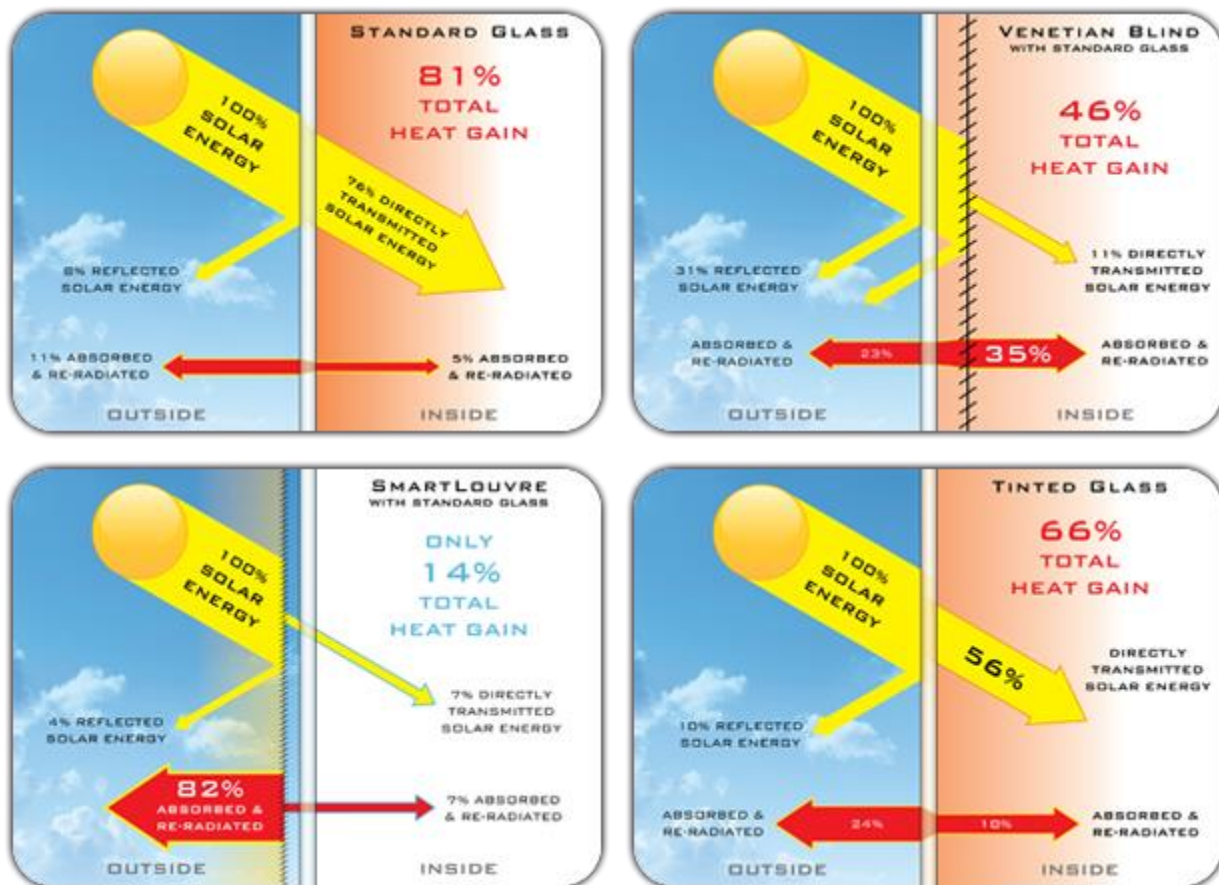
Each Smart Louvre screen is made up of hundreds of tiny louvres, each inclined at 27°.

As the sun's rays travel in a straight line at dawn and dusk when the sun is at an angle of 0°, light and heat enter directly into the building, however, as the sun rises in the sky, the screens block out the harmful effects of the sun.

Once the sun reaches an angle of 35° Smart Louvre blocks 100% of the sun's direct rays.

Heat Gain

4% of the radiation is immediately reflected and 82% is absorbed by the screen and radiated outwards. This signifies an 86% reduction in heat gain! Typically temperatures next to the window will be reduced by 10°F or more



Koolshade

Proven across the world

*The largest Stock of Door Closers - Floor Springs -
Transom Closers & Panic Bars in Canberra*



Door closers

10 Year Warranty

Pivot Door Closers

5 Year Warranty



Door Closers & Floor Springs



HIWIN



Briton



McCALLUM

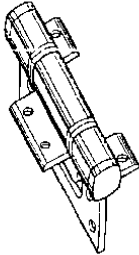
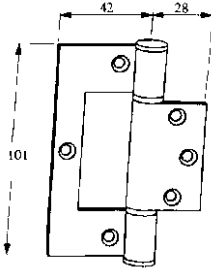
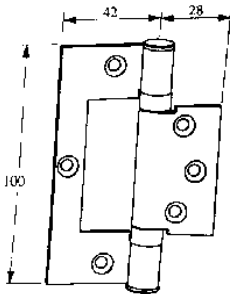
ASSA ABLOY



VON DUPRIN



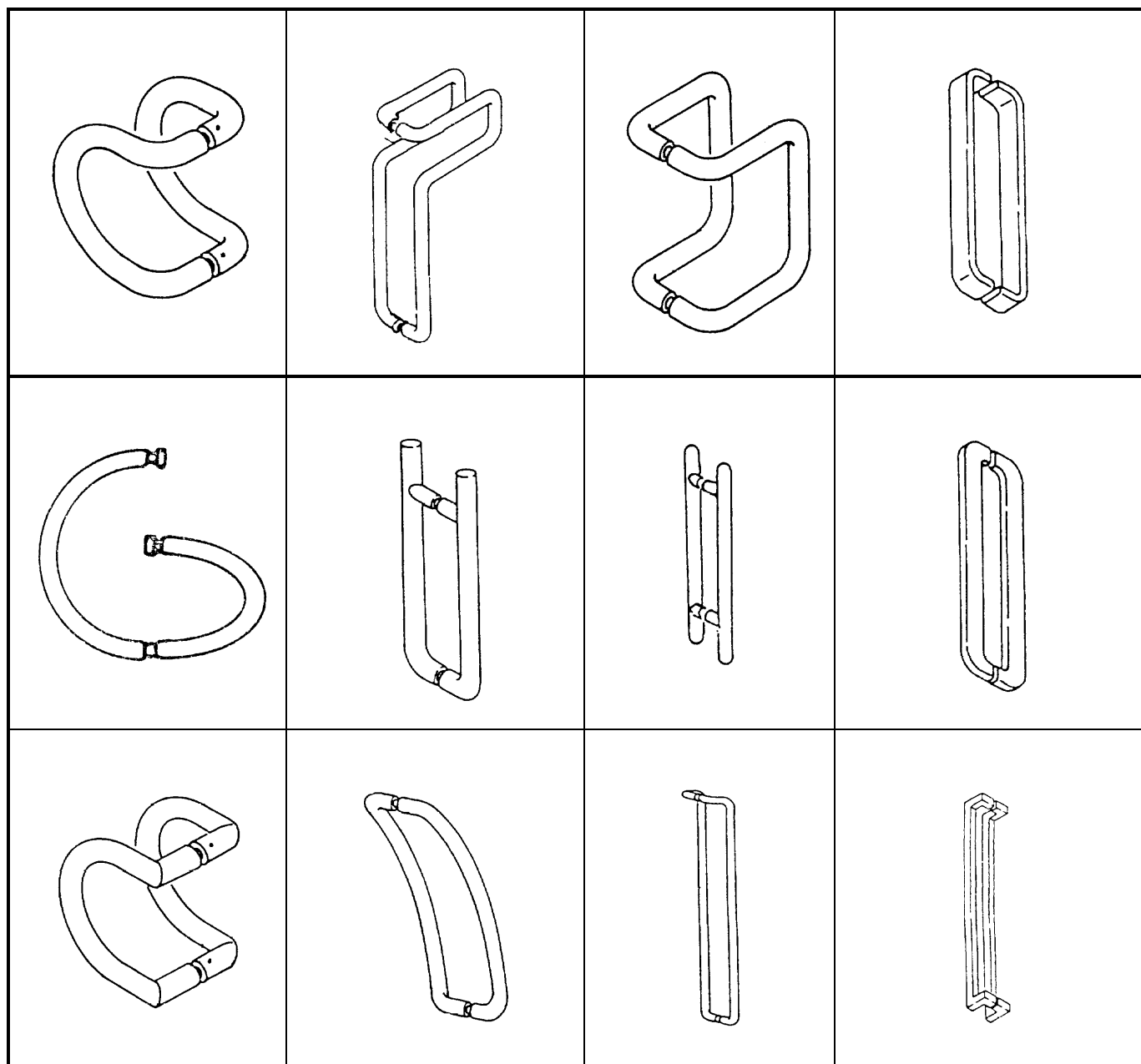
HINGES

 <p>Genuine McCallum Hinges</p>	<p>A104F</p> <p>A104F</p> <p>A104F</p>	<p>Aluminium Heavy Duty Quick Fix</p> <p>Aluminium Heavy Duty Quick Fix</p> <p>Aluminium Heavy Duty Quick Fix</p>	<p>Clear Anodised</p> <p>POWDERCOAT BLACK WHITE</p> <p>BRONZE</p>
	<p>PC3CA</p> <p>PC3BZ</p>	<p>Aluminium Quick Fix</p> <p>Aluminium Quick Fix</p>	<p>Clear Anodised</p> <p>Bronze</p>
	<p>SSHH100A-F</p>	<p>Stainless Steel Quick Fix Inc. Screws</p> <p>Std Pack 20</p> <p>Bulk lot min 120</p>	<p>Satin Stainless Steel</p> <p>Satin Stainless Steel</p>

A WIDE RANGE OF HINGES IS AVAILABLE
PLEASE CALL Progressive Controls for Availability and price.

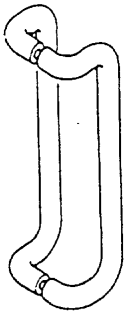
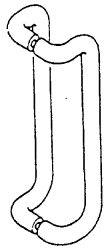
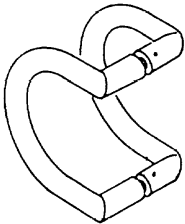
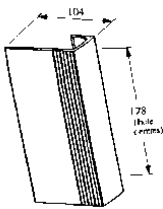
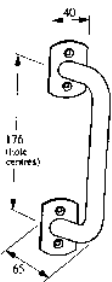
ENTRANCE HANDLES

Pictured here are some of the many pull handles designs available.



**A complete range of custom made pull handles
is also available please call and discuss your requirements
with our Hardware experts**

ENTRANCE HANDLES

	PC23 SSS	Double bend Pull Handle set Back to Back For Toughened Glass or Aluminium Doors 300mm X 32mm Other finishes to order	Colour SSS
	PC 229 SSS	Back to Back 196mm x 25mm Pull Handle Set	SSS
	PC10-300	Round Curved Pull Handle set 300mm X 32mm Other finishes to order	SSS
	PC44 MF PC44 CA PC47	Concealed Fixing 230mm Supplied in sets with fixing bolts Fixing Bolts (set)	Mill Clear Ano
	PC42 SSS	203mm offset 19mm diameter on roses	SSS



Distributed Australia wide by Progressive Controls

80 Series Door Closers 10 YEAR “NO QUIBBLE” warranty
An ideal door closer for all applications

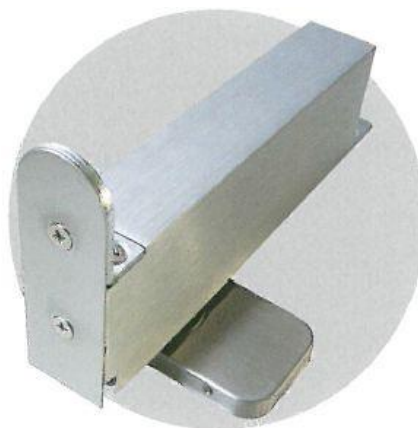


NHN 80 Series Door Closers with 10 year warranty

NHN Pivot Closers – Two way action For TG & Timber Doors
5 YEAR “NO QUIBBLE” WARRANTY

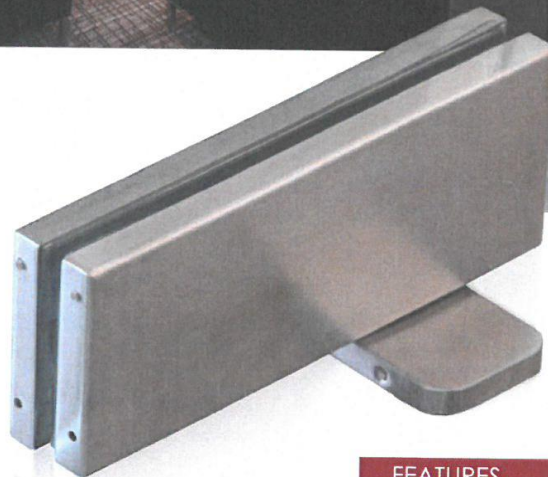


Pivot Door Closer for Toughened Glass Door



Pivot Closer for Timber Door

NHN® PDC100 series



The NHN PDC100 pivot closer is the first in the Flagship Range from NHN's next generation of hidden door closers.

Incorporating the latest cam type technology, the NHN PDC100 pivot closer offers easy opening with increased efficiency on the closing torque.

The closing speed is easily adjusted via two independent adjustment valves.

Available with or without hold open at 90°.

Narrow style with high performance.

Easy installation; cost and time saving as no preparation on the floor needed.

5 year Guarantee against faulty workmanship.

FEATURES

- Suitable for a glass door up to 100 kg (220 lbs).
Glass thickness
PDC100(S) : 8-13mm (5/16 - 1/2 in.)
PDC105(S) : 10-15mm (3/8 - 9/16 in.)
Door width
PDC100(S) : 750-1000mm (29 1/2 - 39 3/8 in.)
PDC105(S) : 750-1250mm (29 1/2 - 49 3/16 in.)
- Supplied non handed the NHN PDC100 provides optimum efficiency with quick and easy installation.
- Simple final adjustments; 3mm (1/8 in.) backward/forward, 3mm (1/8 in.) left/right, ± 4° alignment.
- Ambient temperature from -20°C to +50°C (-4°F to +122°F).
- Finishes available as standard are satin and polished stainless steel. (Other finishes available on request.)

SELECTION CHART / FUNCTION & ADJUSTMENT

SELECTION CHART

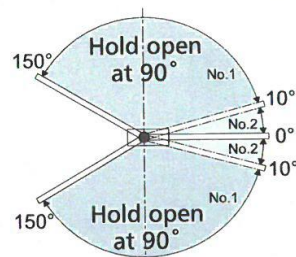
MODEL NO.	Function	Door width	Door weight	Max. opening angle
PDC100	Non-hold open	1000mm (39 3/8 in.)	100kg (220lbs)	150°
PDC100-S	Hold open 90°			90°
PDC105	Non-hold open	1250mm (49 3/16 in.)		150°
PDC105-S	Hold open 90°			90°

1

Double action

Non hold open model PDC100/105:
Maximum opening angle 150°

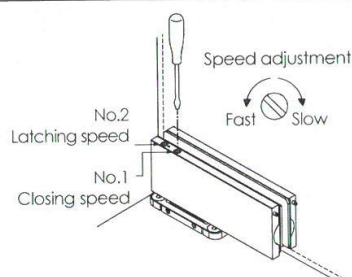
Hold open model PDC100-S/105-S:
Hold open position and maximum
opening angle 90°



2

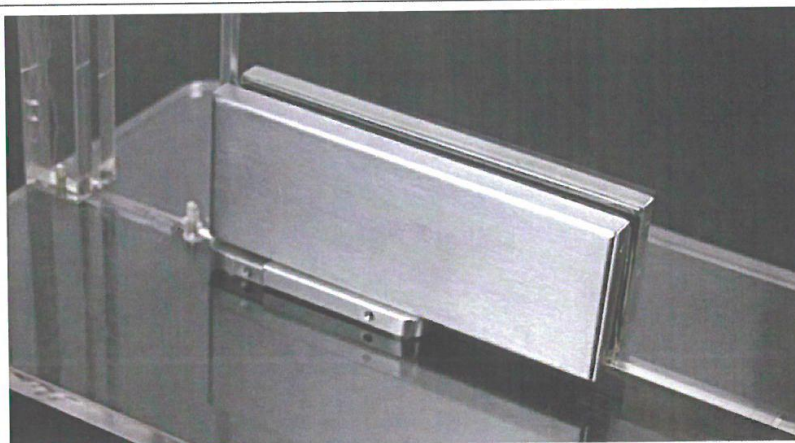
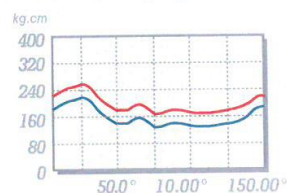
Two speed adjustment

Closing speed (150°~ 10°)
Latching speed (10°~ 0°)



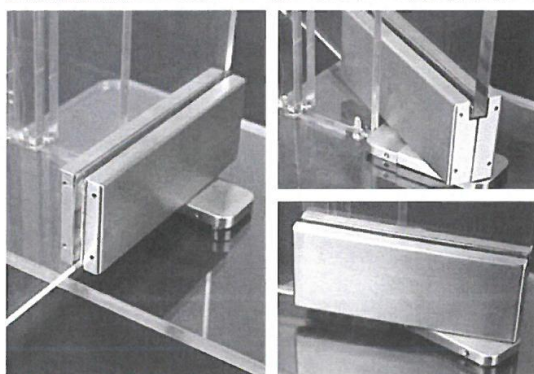
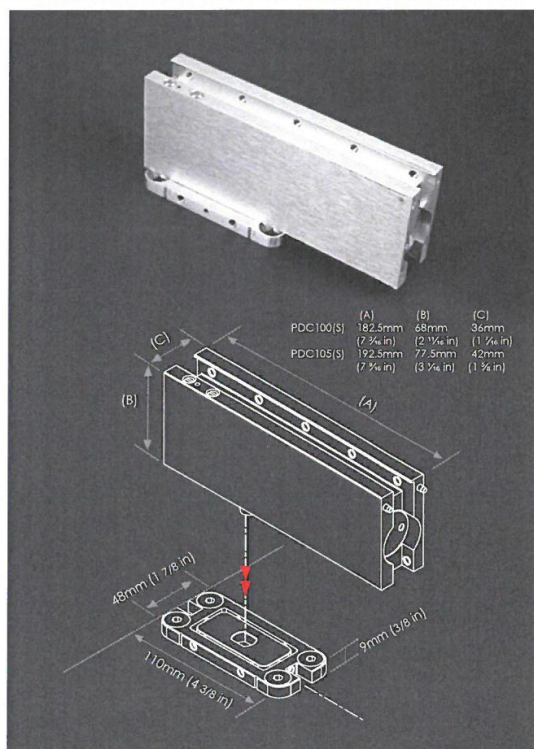
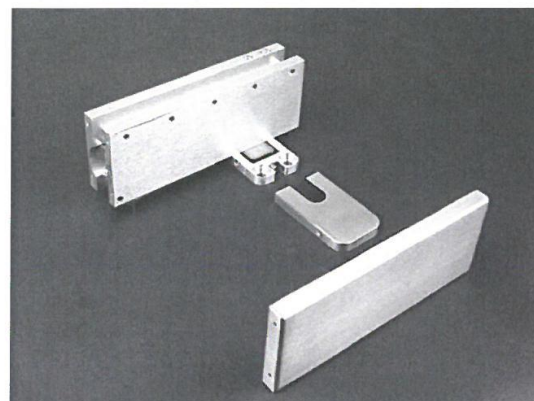
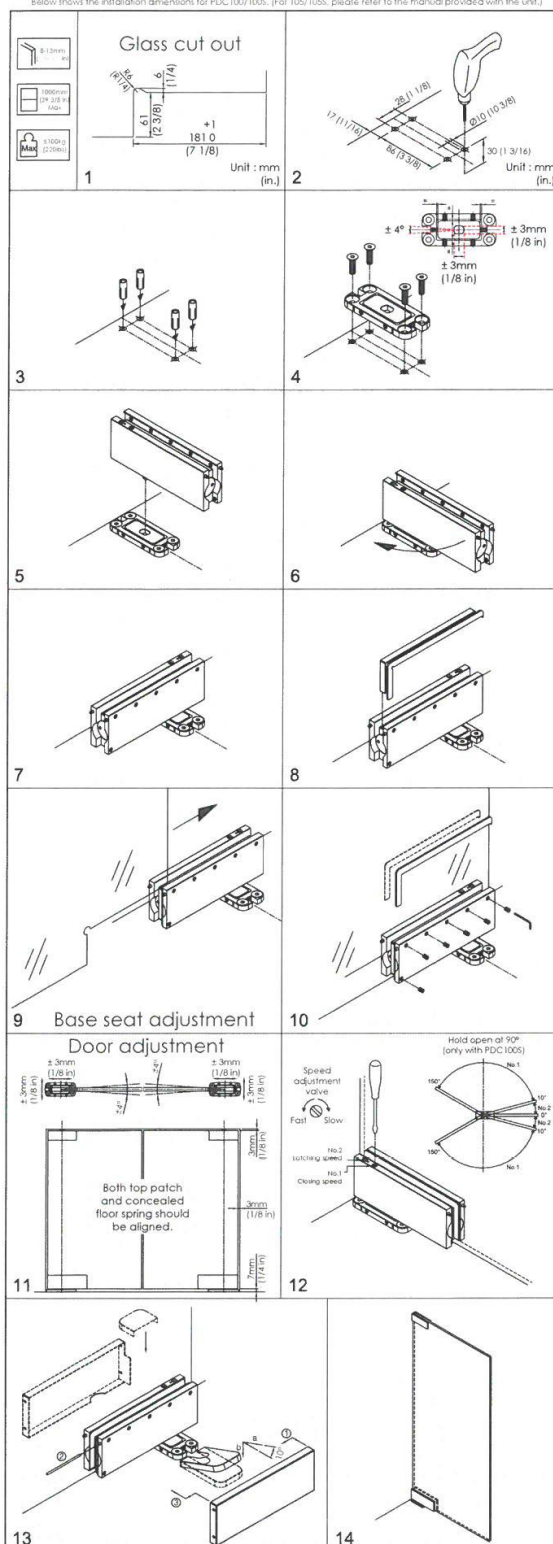
3

Providing over 70% efficiency, the NHN
PDC100 combines light opening with
smooth closing.



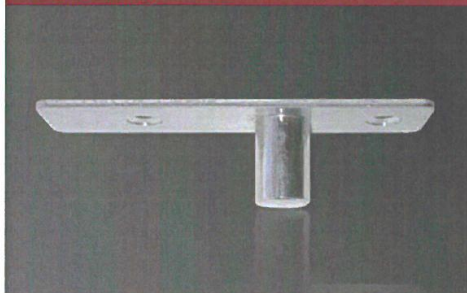
INSTALLATION

Below shows the installation dimensions for PDC100/100S. (For 105/105S, please refer to the manual provided with the unit.)

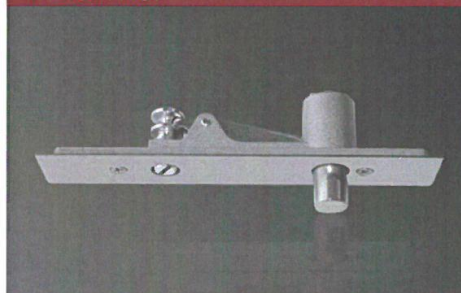


ACCESSORIES

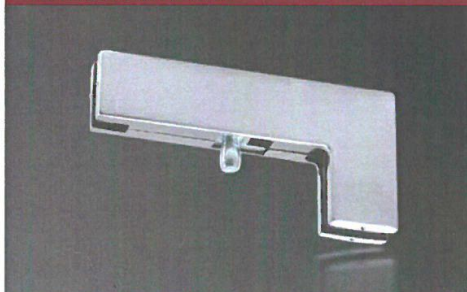
TP1 TOP PIVOT



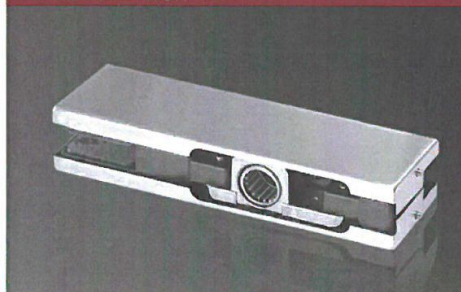
TP2 TOP PIVOT



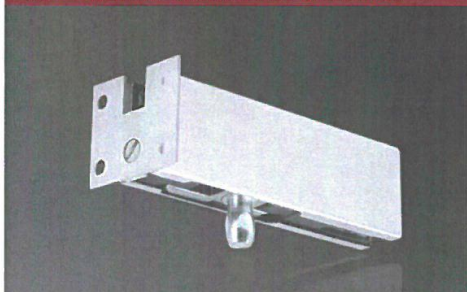
KPF-1 CORNER PATCH



KPF-2 TOP PATCH



KPF-4 WALL MOUNTED TRANSOM PATCH

**KENWA CO., LTD.**N-N
Closing Solutions

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Overhead Door Closer

KENWA
http://www.kenwa.co.jp

NHN[®] 80V SERIES



Tested to EN1154
and fire tested to
EN1634-1



The New NHN 80V Series offers a comprehensive range of hydraulic, power adjustable door closers to suit all applications.

The New NHN 80V Series of door closers incorporates the latest engineering technology to provide three power adjustable (by allen key) door closers. Successfully awarded EN1154, EN1634-1 and **CE** Certifications, the NHN 80V Series is backed up with a 10 years 'No Quibble' guarantee.

FEATURES

- 83V for sizes 2-4, 85V for sizes 4-6 and a heavy duty 87V for sizes 6 & 7.
See the selection chart below for the full range and applications.
- Backcheck and delayed action functions available.
- Easy installation and adjustment.
- Comprehensive range of accessories
- Slimline body.
- Non-handed.

SELECTION CHART

Power size (EN)	Max. door width (mm)	Max. door weight (kg)	83V SERIES						85V SERIES						87V SERIES					
			REGULAR	HOLD OPEN	BACK CHECK	DELAYED	SLIDE ARM	PARALLEL	REGULAR	HOLD OPEN	BACK CHECK	DELAYED	SLIDE ARM	PARALLEL	REGULAR	HOLD OPEN	BACK CHECK	DELAYED	SLIDE ARM	PARALLEL
2	850	40	83V	183V	83V-BC	83V-DA	83V-GL	83VP	-	-	-	-	-	-	-	-	-	-	-	-
3	950	60					-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	1100	80					-	-	-	-	-	-	85V-GL	85V-P	-	-	-	-	-	-
5	1250	100	-	-	-	-	-	-	85V	185V	85V-BC	85V-DA	-	-	-	-	-	-	-	-
6	1400	120	-	-	-	-	-	-	-	-	-	-	-	-	87V	187V	87V-BC	87V-DA	87VP	87VP
7	1600	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

• NHN® PDC100 SERIES



The NHN PDC100 pivot closer, is the first in the Flagship Range from NHN's next generation of hidden door closers.

Incorporating the latest cam type technology, the NHN PDC100 pivot closer offers easy opening with increased efficiency on the closing torque.

The closing speed is easily adjusted via two independent adjustment valves.

Available with or without hold open at 90°.

• Narrow style with high performance.

5 year Guarantee against faulty workmanship.

FEATURES

- Suitable for a glass door 8-13mm thick, 750 - 1000mm wide and a maximum weight of 100kg.
- Supplied non handed the NHN PDC100 provides optimum efficiency with quick and easy installation.
- Simple final adjustments. 3mm backward / forward, 3mm left / right, $\pm 4^\circ$ alignment.
- Ambient temperature $-20^\circ - +50^\circ$.
- Finishes available as standard are satin and polished stainless steel.
(other finishes are available on request).

SELECTION CHART / FUNCTION & ADJUSTMENT

SELECTION CHART

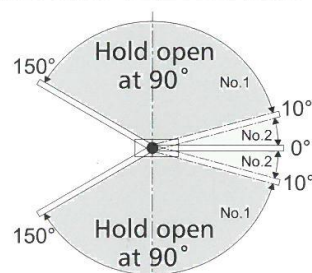
MODEL NO.	Function	Door width	Door weight	Max. opening angle
PDC100	Non-hold open	1000mm	100kg	150°
PDC100-S	Hold open (90°)			90°

1

Double action

Non hold open model PDC100:
Maximum opening angle 150°

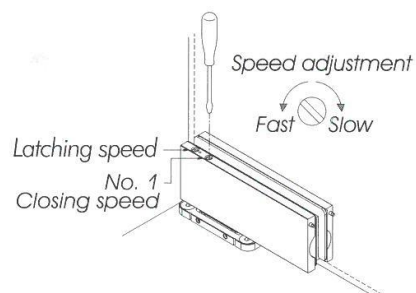
Hold open model PDC100-S:
Hold open position and maximum
opening angle 90°



2

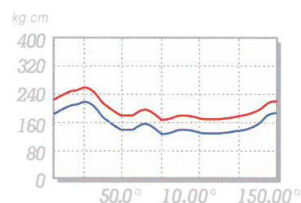
Two speed adjustment

Closing speed (150°~ 10°)
Latching speed (10°~ 0°)

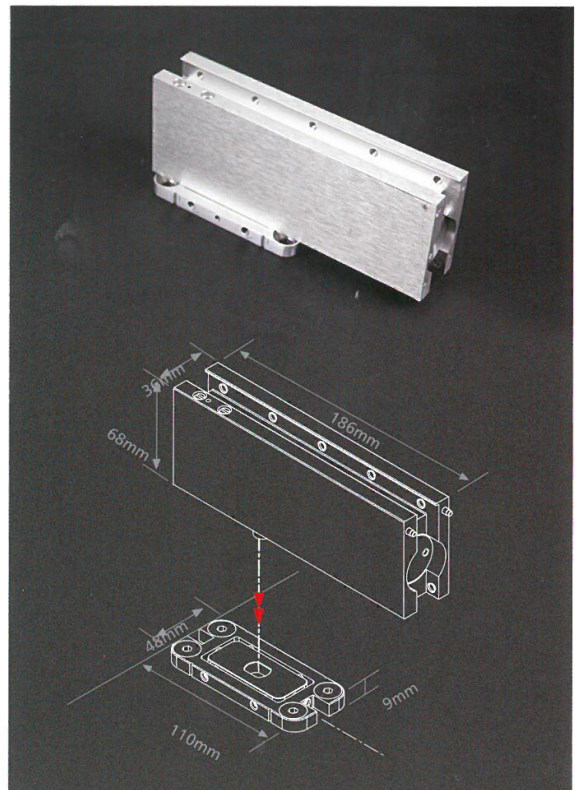
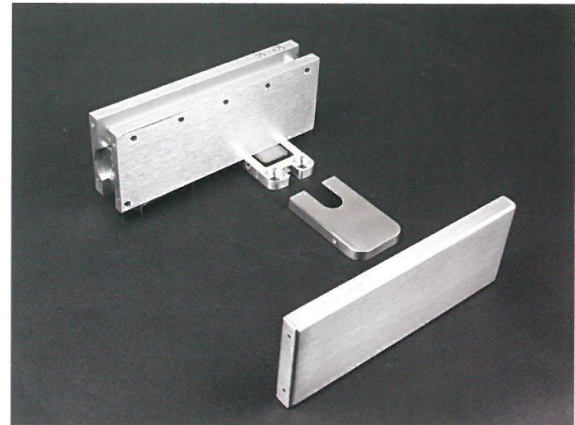
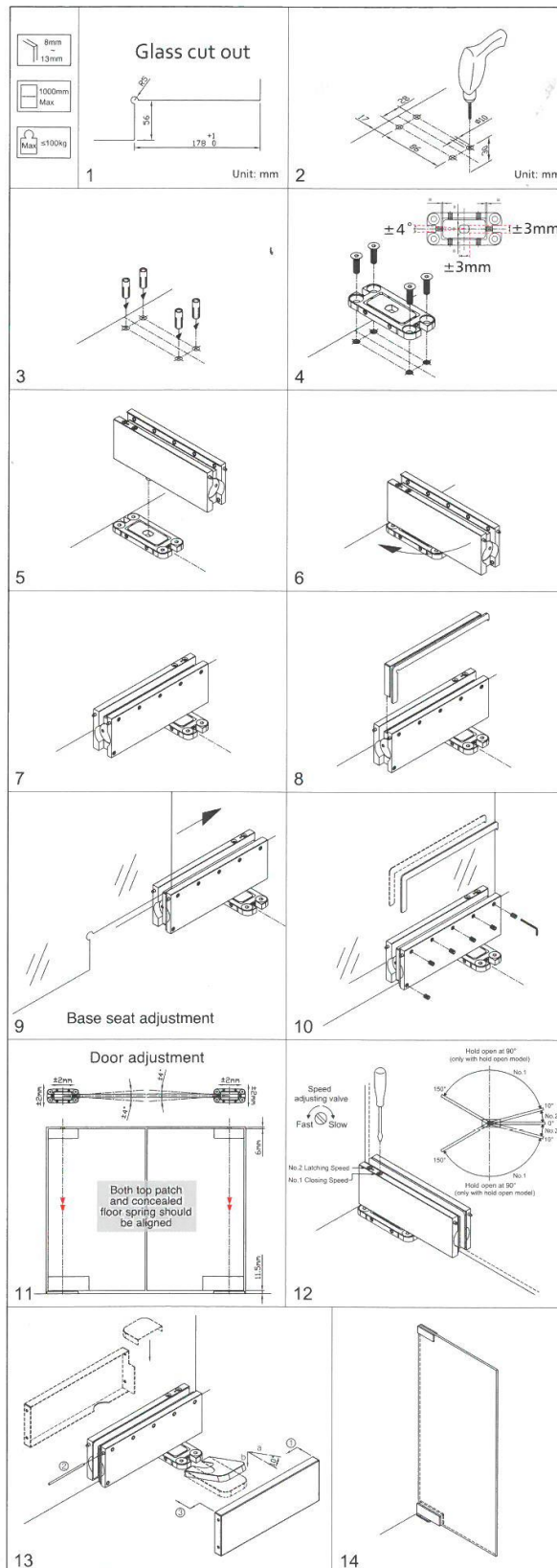


3

Providing over 70% efficiency, the NHN
PDC100 combines light opening with
smooth closing.

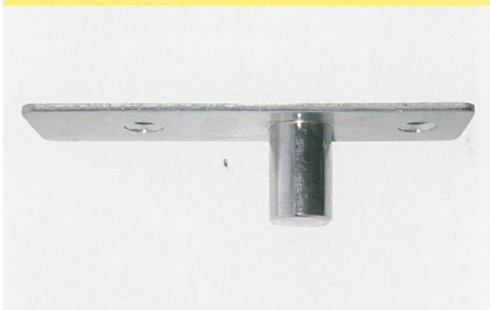


INSTALLATION

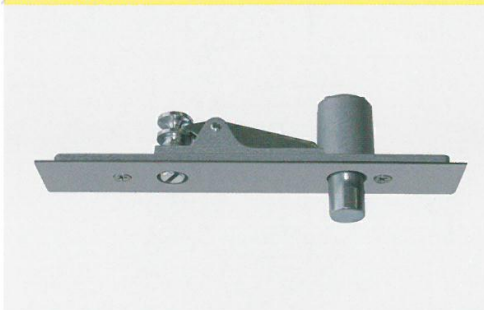


ACCESSORIES

TP1 TOP PIVOT



TP2 TOP PIVOT



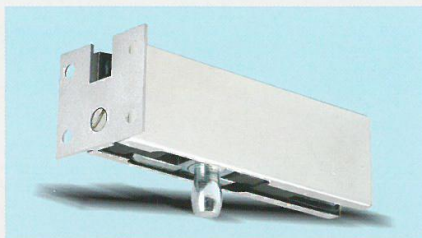
KPF-1 CORNER PATCH



KPF-2 TOP PATCH



KPF-4 WALL MOUNTED TRANSOM PATCH


KENWA CO., LTD. NN[®]
Closing Solutions

TOWER WEST 12FL, UMEDA SKY BUILDING, 1-1-30,
OYODO-NAKA, KITA-KU, OSAKA 531-0076 JAPAN

Phone: 81-(0)6-6454-9721

Facsimile: 81-(0)6-6454-9726

E-Mail: info@kenwa.co.jp <http://www.kenwa.co.jp>

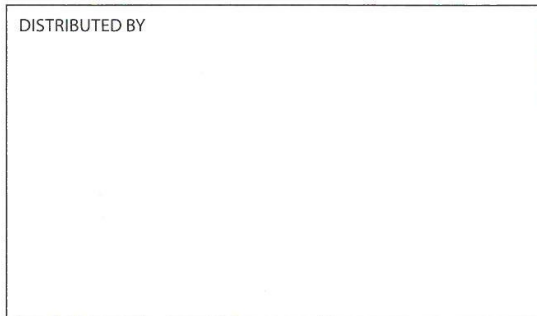
<http://www.micomautodoor.com>

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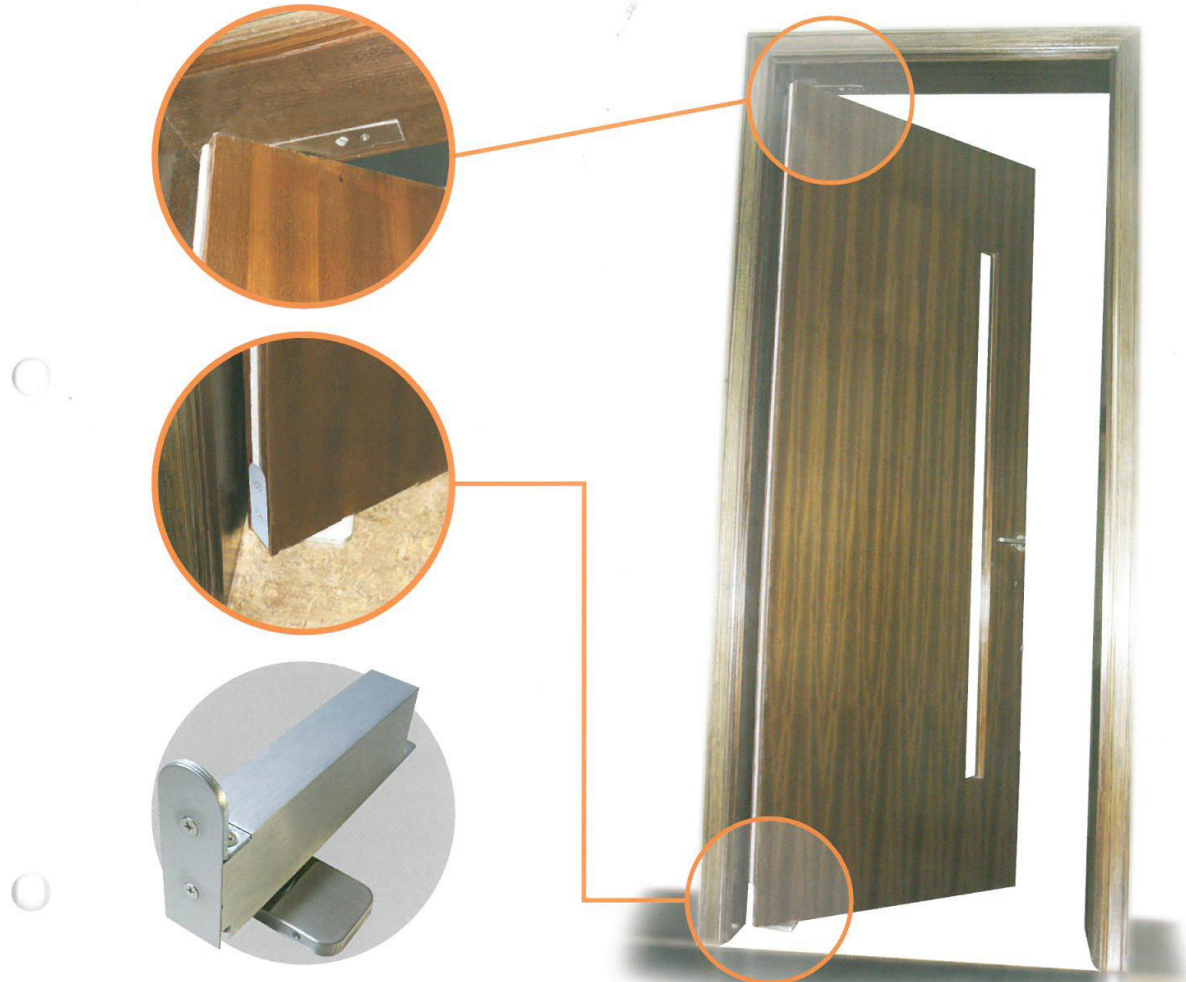
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NHN® PDC100W SERIES



The NHN PDC-100W pivot closers are suitable for timber, aluminium and steel doors.

Incorporating the latest cam type technology, the NHN PDC-100W pivot closers offer easy opening with increased efficiency on the closing torque.

The closing speed is easily adjusted via two independent adjustment valves.

Available with or without hold open at 90°.

Narrow style with high performance.

Easy installation; costs and time saving as no preparation on the floor needed.

5 year Guarantee against faulty workmanship.

FEATURES

- Suitable for double action doors, maximum 1250 mm wide and a maximum weight of 100 kg.
- Quick and easy installation.
- Low opening resistance and high closing efficiency
- Simple final adjustments, 3mm backward / forward, 3mm left / right, $\pm 4^\circ$ alignment.
- Ambient temperature -20°C - $+40^\circ \text{C}$.
- Cover plates in satin stainless steel as standard. Polished stainless steel available.
- Complete with top pivot set.

SELECTION CHART / FUNCTION & ADJUSTMENT

SELECTION CHART

MODEL NO.	Function	Max. door width	Max. door weight	Max. opening angle
PDC103W	Non-hold open	950mm	100kg	150°
PDC103WS	hold open 90°			
PDC105W	Non-hold open	1250mm	100kg	
PDC105WS	hold open 90°			

It is recommended to use a door stop at 150° by the non-hold open models and at 90° by the hold open models.

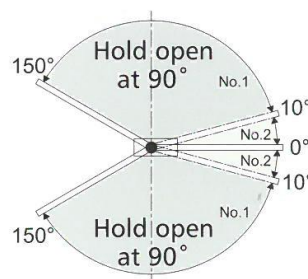
Model PDC-103W (S) can only be installed on interior doors, not suitable for exterior doors or doors exposed to strong winds. Even for PDC-105W (S) models please note that due to the cam type technology heavy winds might cause opening of the door to a certain angle.

1

Double action

Non hold open model PDC103W,105W:
Maximum opening angle 150°

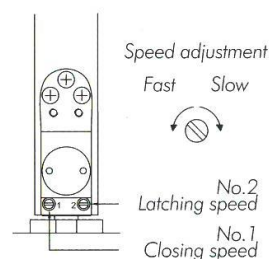
Hold open model PDC103WS,105WS:
Hold open position angle 90°,
maximum opening angle 150°.



2

Two speed adjustment

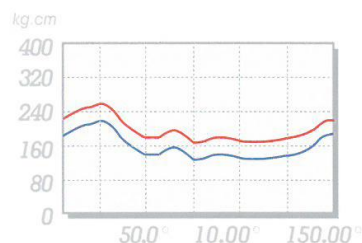
Closing speed (150° ~ 10°)
Latching speed (10° ~ 0°)



• Two speed adjustment -
Closing speed [150° ~ 10°]
Latching speed [10° ~ 0°]

3

Providing over 70% efficiency, the NHN PDC100W combines light opening with smooth closing.



Shown curves refer to PDC103W

INSTALLATION

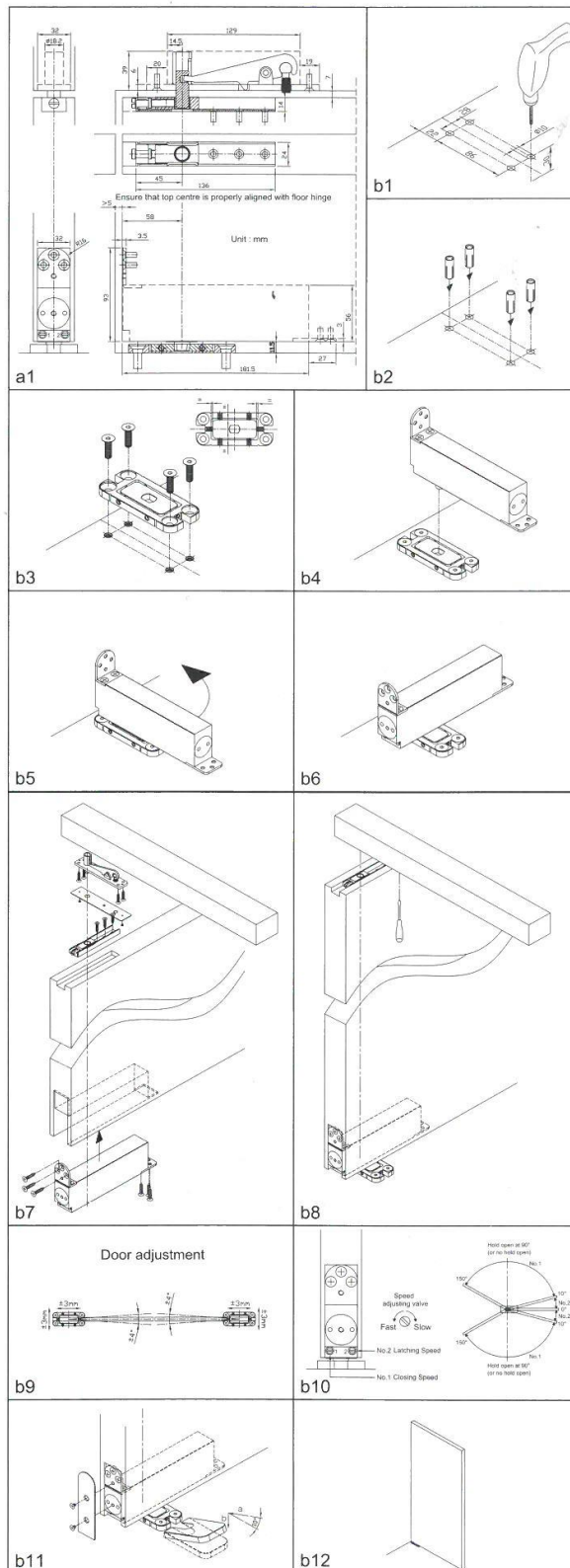
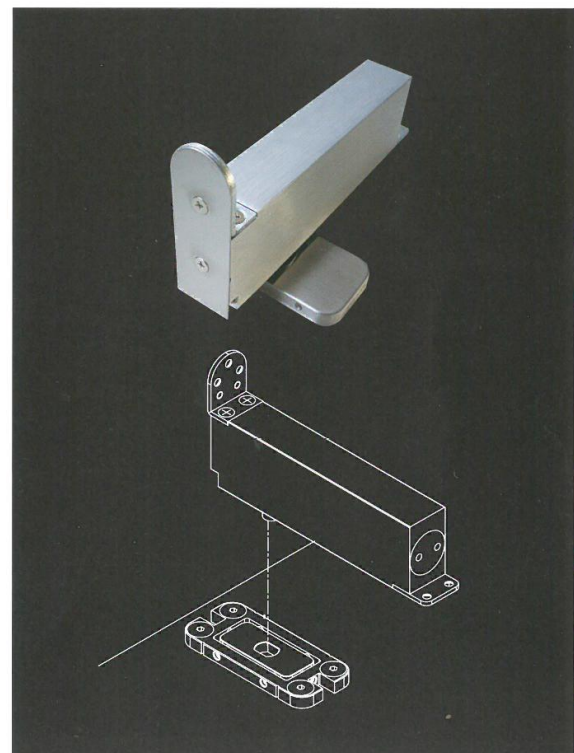
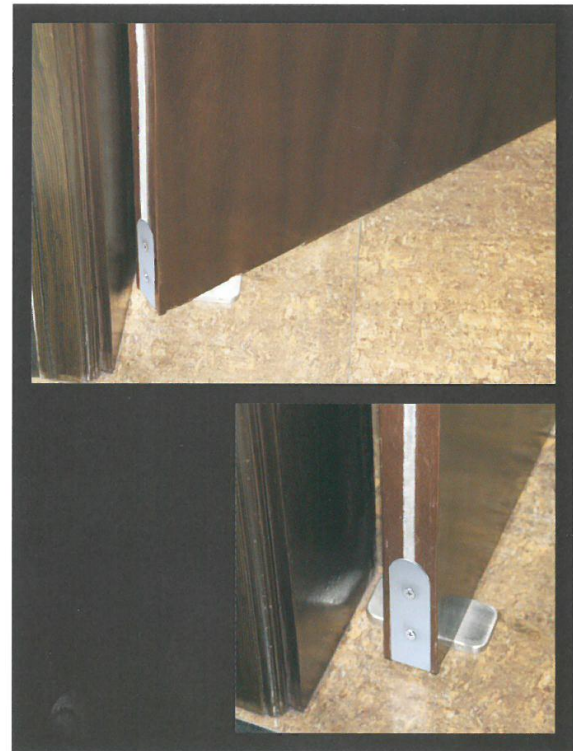


Illustration shows the installation of model PDC103W(S)



Hold open model PDC103WS,105WS;
Hold open position angle 90°,
maximum opening angle 150°.

ACCESSORIES

TP2 TOP PIVOT



DOOR PART OF TOP PIVOT SET



PDC100W FPCP FIXING PLATE with stainless steel cover



PDC100W CP Stainless steel COVER PLATE


KENWA CO., LTD.
NHN[®]
 Closing Solutions

 TOWER WEST 12FL, UMEDA SKY BUILDING, 1-1-30,
 OYODO-NAKA, KITA-KU, OSAKA 531-0076 JAPAN

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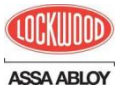

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	TS5000 SIL	STANDARD CLOSER SLIDE RAIL	SIZE 2 – 6
	TS500HO SIL	HOLD OPEN CLOSER SLIDE RAIL	SIZE 2-6
		DELAY ACTION CLOSER SLIDE RAIL	SIZE 2-6
	TS4000 SIL	STANDARD CLOSER	Size 2 - 6
	TS4000 HO SIL	HOLD OPEN CLOSER	Size 2 – 6
	TS4000DA SIL	DELAYED ACTION CLOSER	SIZE 2 - 6

DOOR CLOSERS



TS68	REGULAR ARM BACK CHECK WITH PA BRACKET	EN2-4
TS73V	REGULAR ARM BACK CHECK, DELAY ACTION WITH PA BRACKET	EN 1-4
TS83	REGULAR ARM BACK CHECK, DELAY ACTION WITH PA BRACKET	EN 3-6
TS93B	SLIDE RAIL PULL SIDE	EN 1-5
TS93G	SLIDE RAIL PUSH SIDE	EN 1-5



7724SIL	Standard inc PA bracket	SIZE 1-4
7724HSIL	Hold open inc PA bracket	SIZE 1-4
7724SR SIL	Slide rail with hold open	SIZE 1-4
7724-180SIL	Drop Plate	
7726SSS	Standard inc PA bracket	SIZE 2-6
7726HSSS	Hold open inc PA bracket	SIZE 2-6
7726SRSSS	Slide rail with hold open	SIZE 2-6
7726-180SIL	Drop Plate	

TRANSOM CLOSER

690 SERIES

R



FEATURES

- ANSI Grade 1. Endurance 2,000,000 cycles.
- Completely concealed in the aluminum transom bar in dimensions as small as 1-3/4" x 4"
- Total hydraulic control with maximum opening angle 90°, 105° or 130° in each direction.
- Adjustment valves of swinging speed and latching speed are fully independent which will save time of adjustment.
- Securely designed speed adjustment valves protect closer from rough use or adverse weather conditions.

The speed adjustment valves cannot be backed out of Closer when adjustment. The design eliminates oil leakage from the valves.

TECHNICAL DATA

Spring Tension		<i>Light</i>	<i>Medium</i>	<i>Heavy</i>
Door	width	30"	42"	48"
	height	96"	96"	96"
Maximum Opening	90°	•	•	•
	105°	•	•	•
	130°	•	•	•
Hold Open	90°	•	•	•
	105°	•	•	•
Hold Open		•	•	•

V: Standard

• : Option

1 Spring Tension:

Light, Medium, Heavy

Hold (2) on Angle 90°, 105°, No Hold Open.

610 SERIES

FEATURES

- Double action.
- Interchangeable spindle tip, extension up to 50 mm for all kinds of door bottom rails.
- Total hydraulic control with maximum opening angle 130° in each direction.
- Adjustment valves of swinging speed and latching speed are fully independent, which will save time of adjustment.
- Securely designed speed adjustment valves protect Floor Spring from rough use or adverse weather conditions.
- The speed adjustment valves cannot be backed out of Floor Spring when adjustment, that eliminates oil leakage from the valves.
- Reduced thickness of 40 mm cement case is safer for thinner slab.
- Maximum door width 1100 mm, maxim door weight 120 kgs.



TECHNICAL DATA

Spring Tension		<i>Light</i>	<i>Medium</i>	<i>Heavy</i>
Closing Force (Nm)		20	25	33
Door width	850 mm	V		
	950 mm		V	
	1050 mm			V
Hold Open	90°	•	•	•
	105°	•	•	•
No Hold Open		•	•	•
Dimensions of cement case (mm)	L	307	307	307
	W	108	108	108
	H	40	40	40
Adjustment in cement case (mm)	L	7	7	7
	W	10	10	10
	H	4	4	4
Dimensions of cover plate		325 mm x 130 mm		

V : Standard

• : Option

Spring Tension:

Light, Medium, Heavy

Hold Open Angle 90°, 105°, No Hold Open.

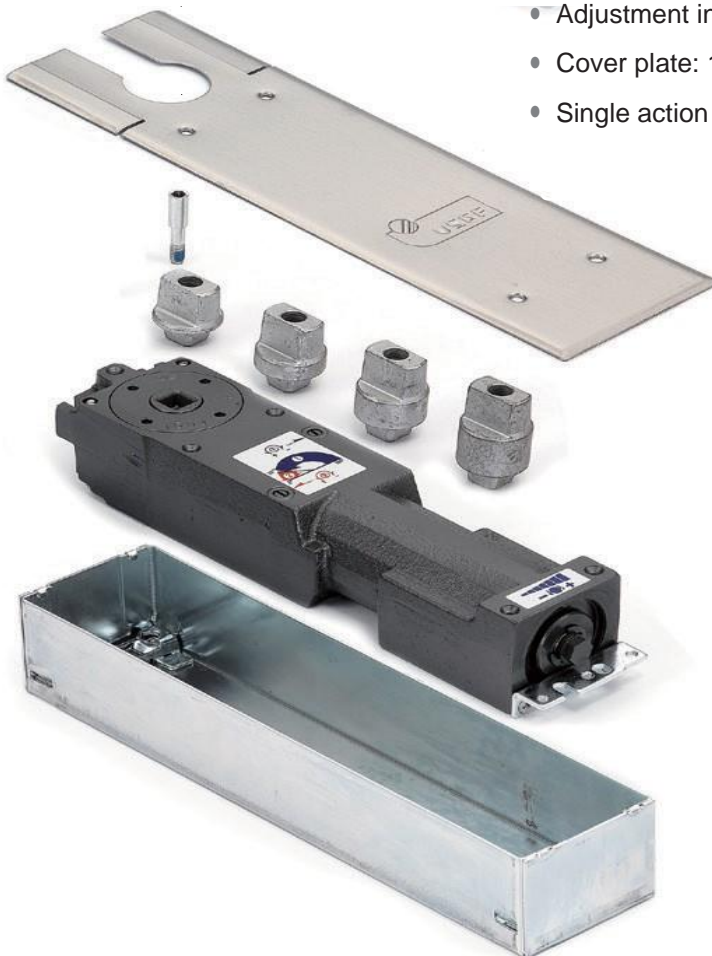
650 SERIES

FEATURES

- Adjustable Spring Tension from 23 Nm to 58 Nm. (EN3~EN6)
- Supports door weight up to 300 kgs, door width 1.4 meters.
- Efficiency up to 65%.
- Interchangeable spindle tips extension from 5 mm, 10 mm... to 50 mm.
- Swing speed from 180° to 15°, latch speed from 15° to 0°.
- Pressure Release Valve prevents damage to floor spring from the door uncontrolled slamming.
- Mechanical Back Check feature engages a “checking” action at approx. 70°~ 75° protecting the door from damage by any abusive opening.
- Cement case 341 mm × 78 mm × 60 mm.
- Adjustment in cement case L6 mm × W6 mm.
- Cover plate: 105 mm × 358 mm.
- Single action for fire door. Full open 180°, no hold open.



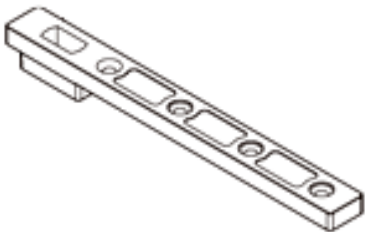
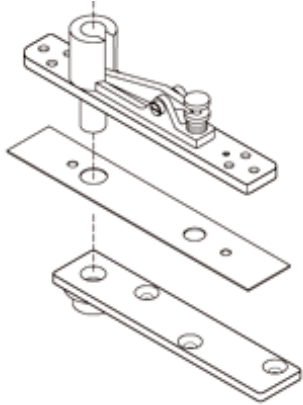

Hold Open Angle.

90°, 105°, No Hold Open.





FLOOR SPRINGS

		GEZE TS500NV Complete with SSS Cover plate	90° HOLD OPEN 105° HOLD OPEN NON HOLD OPEN	SIZE 4
		GEZE TS550 Complete with SSS Cover plate	90° HOLD OPEN 105° HOLD OPEN NON HOLD OPEN	SIZE 2-5
	Door Strap	Suits most brands of Floor Spring		
	Adjustable Top Centre	Suits most Brands of Floor spring		
	Fixed Top Pivot			



Floor Springs

BTS 75V	STANDARD 90° HOLD OPEN NO COVER PLATE	EN 1-4	
BTS 80 Box size 341mmL x 78W x 60H	STANDARD ADJUSTABLE HYDRAULIC HOLD OPEN DEVICE NO COVER PLATE	EN 3 EN 4 EN 6	
BTS 84	STANDARD 90° HOLD OPEN NO COVER PLATE	EN 2 EN 4	







ASSA ABLOY

7750	90° HOLD OPEN 105° HOLD OPEN NON HOLD OPEN	EN3-6	
8800	90° HOLD OPEN 105° HOLD OPEN NON HOLD OPEN	EN2 EN3 EN4	

OTHER CLOSERS AND BRANDS AVAILABLE
PLEASE CONTACT US FOR PRICE AND AVAILABILITY

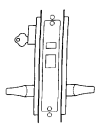
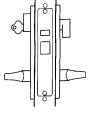
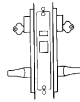
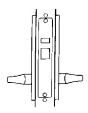
MORTICE LOCKS





	3P572 	Lockwood 3572 Universal Locks
	3582 	Lockwood 3582 Short Back set Universal Locks

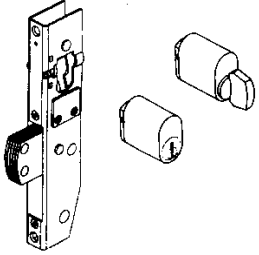
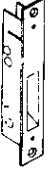




NARROW STILE LOCK KITS



	3P82 Kit 05 (3582 Z)	Classroom Lock – Free Escape Cylinder & Handle Outside Handle only Inside
	3P82 Kit 04 (3582 XT)	Vestibule Set Cylinder & Handle Outside Snib & Handle Inside
	3P82 Kit 01 (3582 ZZ)	Glass Door Lock Cylinder & Handle Outside Cylinder & Handle Inside
	3P82 Kit 03 (3582)	Passage Latch Handle only outside Handle only inside

NARROW STILE LOCK FURNITURE 	4800SC 4801/70SC 4805/70SC 4807SC 4900SC 4901/70SC 4904/70SC 4905/70SC 4907SC	Outside Plate Cylinder Hole Only Outside Lever & Cylinder Hole Outside lever Only Outside Blank plate Inside Plate Cylinder Hole Only Inside Lever & Cylinder Hole Inside Lever & Turn knob Inside Lever Only Inside Blank Plate
	PO1/50/SSS PO2/50/SSS PO3/50/SSS PO4/50/SSS PO5/50/SSS PO6/50/SSS P11/SSS P12/SSS P15/SSS P16/SSS	Outside Lever & Cylinder Hole Inside Lever & Cylinder Hole Inside Lever & Turn knob Outside Lever & Emergency Turn Outside lever Only Inside Lever Only Outside Plate Cylinder Hole Only Inside Plate Cylinder Hole Only Outside Blank plate Inside Blank Plate



SHOP-FRONT LOCKS – Security

	<p>PC43x37sc</p> <p>PC43x22sc</p> <p>PC643x29sc Hook bolt</p>	<p>37mm Deadbolt with T-Turn and Cylinder</p> <p>22mm Deadbolt with T-Turn and Cylinder</p> <p>29mm Hook-bolt with T-Turn and Cylinder includes strike</p>
	<p>PC643 ST</p> <p>PC6435A</p>	<p>Hook-bolt Strike - Timber FRAME</p> <p>Hook-bolt Strike - Aluminium FRAME</p>
 <p>Shopfront Deadlock</p>	<p>3540sc</p> <p>3541sc</p> <p>3542sc</p> <p>SP3540 LSSC</p>	<p>DLOCK 22mm bolt</p> <p>DLOCK 28mm bolt w/- hook</p> <p>DLOCK 35mm blot</p> <p>Latching Strike</p>
 <p>Shopfront Deadlock Accessories</p>	<p>SP3540-L1</p> <p>SP3540-L2</p> <p>SP3540-T1</p> <p>SP3540-T2</p> <p>SP3540-T3</p> <p>SP3540-T4</p> <p>SP3540-T5</p> <p>SP3540-T6</p>	<p>45deg lever</p> <p>90deg lever</p> <p>Escape turn</p> <p>Boomerang turn</p> <p>Boomerang turn (large plate)</p> <p>Cylinder turn</p> <p>Escape turn (left)</p> <p>Escape turn (right)</p>
	<p>SS- 088</p>	<p>Stainless Steel Strike Shield</p>
	<p>SS - 092</p>	<p>Stainless Steel Strike Shield</p>

CASEMENT WINDERS (ROTO OPERATORS) For Steel windows

 <p>Winder/Handle/Slide/Screws</p>	<p>W330311</p> <p>W330411</p>	<p>RIGHT HAND</p> <p>LEFT HAND</p>
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WINDOW WINDERS

	<p>NON-LOCKABLE CHAINWINDERS</p>	<p>BLACK WHITE SLIVER BROWN PRIMROSE SPECIAL</p>	<p>W3702</p>
	<p>LOCKABLE CHAINWINDER</p>	<p>BLACK WHITE SLIVER BROWN PRIMROSE SPECIAL</p>	<p>W3802</p>

CHAIN WINDERS

 NON-LOCKABLE CHAINWINDERS PC-177 (left hand) PC-178 (right hand)	CHAIN LENGTH & MATERIAL 150mm – stainless steel 320SS 250mm – stainless steel 420SS 150mm – mild steel 320MS 250mm –mild steel 420MS	FIXINGS Timber or aluminium screws	BLACK WHITE SLIVER BROWN PRIMROSE SPECIAL
 LOCKABLE CHAINWINDER PC-179(left hand) PC-180(right hand)	CHAIN LENGTH & MATERIAL 150mm – stainless steel 320SS 250mm – stainless steel 420SS 150mm – mild steel 320MS 250mm –mild steel 420MS	FIXINGS Timber or aluminium screws	BLACK WHITE SLIVER BROWN PRIMROSE SPECIAL
 Twin Chain Manual - Lockable Window Winder with SS Chain		FIXINGS Timber or aluminium screws	BLACK WHITE SLIVER BROWN PRIMROSE SPECIAL

GEZE chain drive ECchain

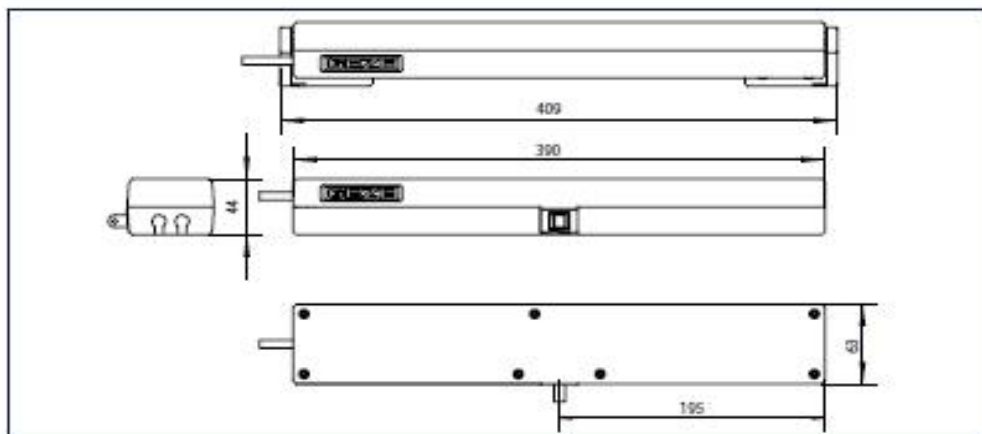
Simple automation possibilities for ventilation operation

The chain drive GEZE ECchain is suitable for straightforward ventilation automation (230 V). As a low-price and powerful entry-level model, it is also suitable for private residential buildings. The ECchain can also be used as a variant on small fanlights, since a maximum opening angle is reached with very low casement heights. The stroke length can be set to 200 mm or 400 mm. The integrated stroke setting option allows for adjustment in line with different ventilation requirements. A range of colour variants allows the drive to be adapted to existing window profiles. The ECchain can be installed quickly and easily.

GEZE ECchain



GEZE ECchain



Application range

- Straightforward automation for ventilation windows and the façade area
- For universal use, particularly in private residential buildings
- Bottom-hung, side-hung and top-hung casements
- Inward-opening and outward-opening casements
- Can be used on timber, plastic and aluminium profile systems
- Frame installation

Elevation Specification Guide



Step 1. Specify Actuators

A Specify one actuator per window of **less** than 900mm:



LW-EWAC-300-BLK

LW-EWAC-300-WH

LW-EWAC-300-PPC



PROGRESSIVE CONTROLS

02 6280 4655

www.progressivecontrols.com.au

B Specify two actuators per window of **more** than 900mm:



LW-EWAC-300-BLK

LW-EWAC-300-WH

LW-EWAC-300-PPC

Specify one synchronisation loom per window of **more** than 900mm:



EWAC-SSL

Total number of actuators: **A** + **B**

Total number of synchronisation looms:

Step 2. Specify Control Type: Keypad or Wall Switch

Two keypads maximum per network.



LW-TSD-35-WHT

Every wall switch requires a network adapter.
4 network adapters max per network



EWAC-SNA

Note: The number of devices able to be connected to a single network is limited. For details, please visit <http://www.lockweb.com.au/elevation>

Note: Please note functionality is limited when using a wall switch.

Step 3. Specify Rain Sensors

Up to four rain sensors per network.



EWAC-SRS

Step 4. Specify Power Supply

You will require one power supply for each actuator, keypad or rain sensor.



EWAC-SPS1500

Note: Each rain sensor includes a network adapter.

Note: An Electrician may opt to use their own power supply system, particularly with larger networks. If unsure, please consult an Electrician first.

Note: Network cable is not available from ASSA ABLOY.

ASSA ABLOY Australia Pty Ltd
235 Huntingdale Rd, Oakleigh,
Victoria, 3166, Australia

1300 LOCKUP (1300 562 587)
www.lockweb.com.au

ASSA ABLOY, the global leader
in door opening solutions

Elevation Electric Chain Winders from Progressive Controls



**PC ELEVATION
Electric Chain Winder
Black**



**PC ELEVATION
Electric Chain Winder
White
[No Power Supply]**



**PC Elevation
Touch Pad**



**Elevation
Rain Sensor
Note:
SPS 1000 Power Supply
is Required**



**Elevation
Network Adaptor
[For Switch Only]**

No Picture

**Elevation
Sync Loom
for 2 Winders**

No Picture

**Elevation
SPS 1000
Power Supply for 1 Winder**

Briton

HIWIN

KABA

Adams
Rite
ASSA ABLOY

SCHLAGE

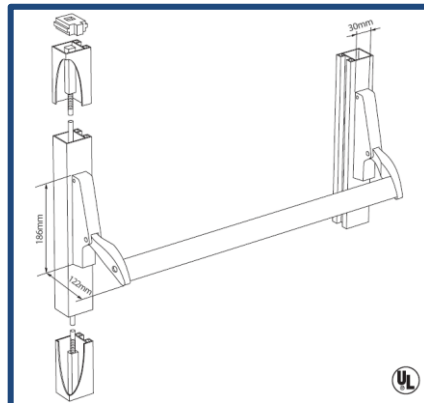
EXIDOR

VON DUPRIN.

DORMA

LOCKWOOD
ASSA ABLOY

PC920 Series PANIC BARS WITH CONCEALED VERTICAL RODS



PC920 - FEATURES:

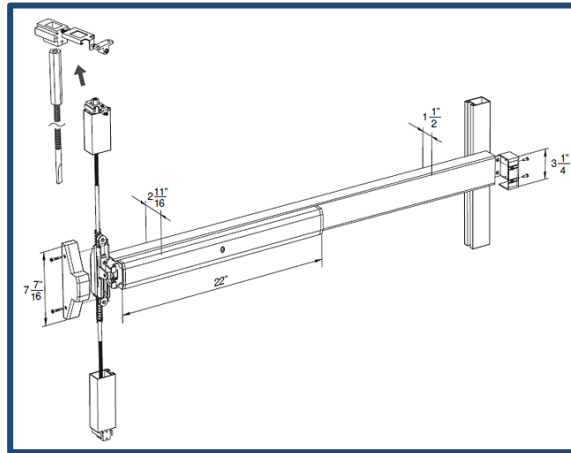
- For use with narrow, medium and wide stile Aluminum doors.
- Non-Handed, for LH or RH doors.
- Latch Bolt throw 5/8".
- Dogging by Cylinder Key or by Slotted Screw in bottom of inside Pads.
- Units use standard Mortise Cylinders with MS type Cam and # 913 Cylinder Mounting Pad.
- Standard Unit fits doors up to 48" in width (cut cross bar to fit) and up to 84" in height.
- Units mount on door with concealed fasteners.
- Finish available Clear Anodised

920/900 suits doors 2100 x 900mm

920/1200 suits doors 2100 x 1200mm

Tall door extension
Cylinder & escutcheon

Panic Exit Devices -/cont



PC940 - FEATURES:

940 Series Panic Bar with Concealed vertical rods

940/900 suits doors 2100 x 900mm

940/1200 suits doors 2100 x 1200mm

Options: Tall door extension Cylinder & escutcheon

- For use with narrow, medium and wide stile Aluminum doors.
- Non-handed, Field Reversible for LH or RH doors.
- Outside Unlatching and Dogging by Cylinder Key or Dogging by Hex Key in Touch Bar.
- Top Steel Toggle Latch and Bottom Steel Rod Latch Bolt.
- Units use Standard Mortise Cylinder with MS Type Cam and # 913 Cylinder Mounting Pad.
- Standard Units for 36" and 48" door widths (cut bar to fit) and up to 84" in height.
- Can be used on 30" wide doors. Finish available Clear anodized

5000 Series Panic Bar Surface Mount Latching type

5000/900 suits doors 900mm

5000/1200 suits doors 1200mm

Cylinder & escutcheon

5100 Series Panic Bar with concealed vertical bars

5100/900 suits doors 2100 x 900mm

5100/1200 suits doors 2100 x 1200mm

Tall door extension

Cylinder & escutcheon

Exidor Series Panic Bars - Surface mounting



Model 294 Single to suit 2400 H x 1200

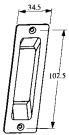
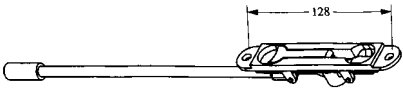

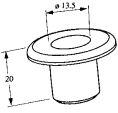



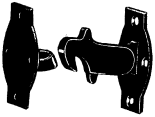



Model 295 Double to suit Pair doors






Model 296 Rim Type

Model 302 Cylinder Locking Device - suit all models above

Model 299 Dogging Device to suit 294 & 295

GENERAL HARDWARE

	Flush Pulls SSS/PSS	PCFP110
	Flush bolts 300mm & 600mm	PCFB300 PCFB600
	PANIC BOLTS 300mm 450mm 600mm	visible fix 1791/300 1791/450 1791/600 concealed fix 1781/300 1781/450 1781/600
	Top Hat Ferrules	DN205
	Standard door stop SPACER	290SC 291SC
	Heavy duty door stop	250SC
	Concealed fix Door Stop	280SC
	Auto Door stop STD	PC005 SCP
	Auto Door Stop Extended	PC005E SCP
	SKIRTING MOUNTED	350CA
	FLOOR MOUNTED	400SC
	SKIRTING MOUNTED	500SSS

	Part No	Max sash	Sash weight	
	P1002	600mm	10kg	
	P1002NF	600mm	10kg	
	P1003	800mm	20kg	
	P1003NF	800mm	20kg	
	P1004	1800mm	30kg	
	P1004NF	1800mm	30kg	
	230	750mm	6kg	
	230NF	750mm	10kg	
	330	1000mm	9kg	
	500	1300mm	12kg	
	750	1800mm	13kg	
	420HD A	1800mm	15kg	
	420HD A	1500mm	20kg	
	420HD A	1200mm	43kg	
	230 4BC	800mm	25kg	
	230 4BCNF	800mm	25kg	
	430 4BC	1000mm	40kg	
	430 4BCNF	1000mm	40kg	
	Awing restrictor	Max opening 100mm		
	Casement restrictor	Restrictor length 270mm		

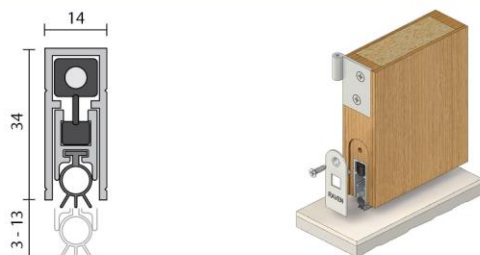


DN129	1200mm	32kg
DHS10"	770mm	50kg
DHS16"	1120mm	70kg
DHS22"	1320mm	74kg
DHS10"	1530mm	35kg
DHS16"	1620mm	42kg
DHS22"	1800mm	50kg

Door Seals & Threshold Plates



RP8Si Door Bottom Seal



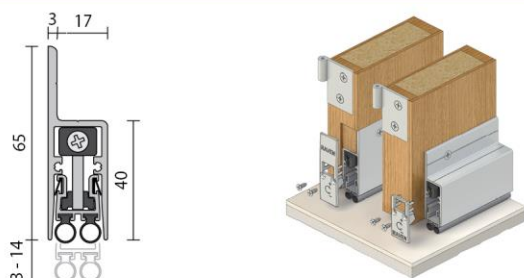
Sizes: 380mm, 600mm, 820mm, 920mm, 1070mm, 1220mm

RP35Si Door Bottom Seal



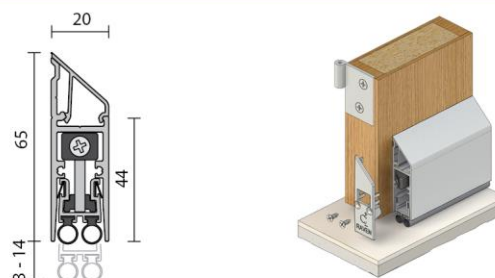
Sizes: 380mm, 600mm, 820mm, 920mm, 1070mm, 1220mm

RP126Si Door Bottom Seal



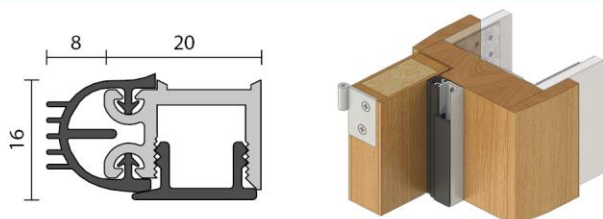
Sizes: 600mm, 820mm, 920mm, 1070mm, 1220mm, 1500mm

RP128Si Door Bottom Seal



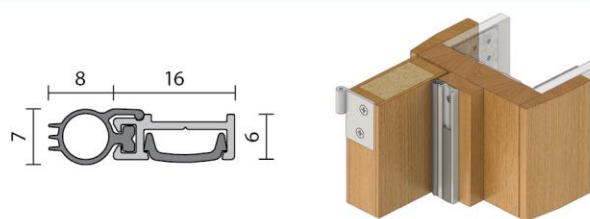
Sizes: 600mm, 820mm, 920mm, 1070mm, 1220mm, 1500mm

RP10Si Door Frame / Perimeter Seal



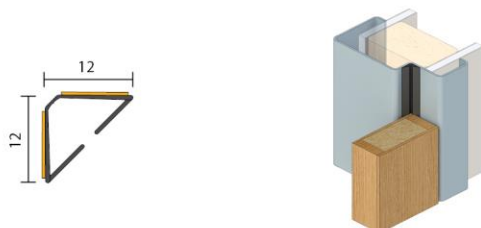
Sizes: Available in door set sizes and stock lengths

RP78Si Door Frame / Perimeter Seal



Sizes: Available in door set sizes and stock lengths

RP120 Door Frame / Perimeter Seal



Sizes: Available in door set sizes

RP130Si Door Frame / Perimeter Seal

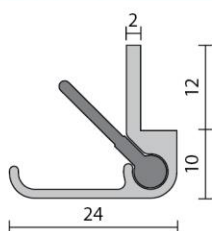


Sizes: Available in door set sizes

Door Seals & Threshold Plates

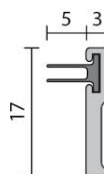


RP16Si Astragal



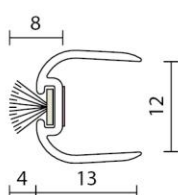
Sizes: Available in stock lengths

RP71Si Astragal



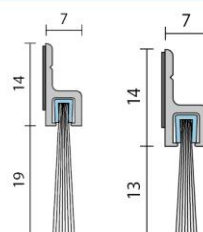
Sizes: Available in stock lengths

RP104 Astragal



Sizes: 3000mm

RP2a / RP2b Brush Strip Seal



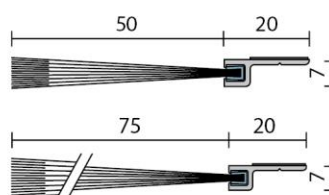
Sizes: Available in stock lengths

RP15 Brush Strip Seal



Sizes: Available in stock lengths

RP57 / RP58 Brush Strip Seal



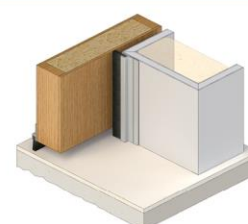
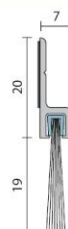
Sizes: Available in stock lengths

RP74 Brush Strip Seal



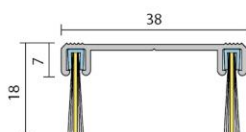
Sizes: Available in stock lengths

RP75 Brush Strip Seal



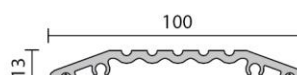
Sizes: Available in stock lengths

RP129F Brush Strip Seal



Sizes: Available in stock lengths

RP19 Threshold Plate

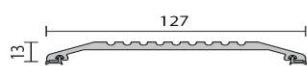


Sizes: Available in stock lengths

Door Seals & Threshold Plates

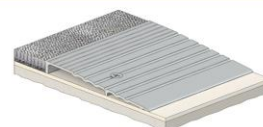
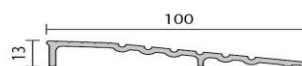


RP28 Threshold Plate



Sizes: Available in stock lengths

RP77 Threshold Plate



Sizes: Available in stock lengths

RP98 Threshold Plate



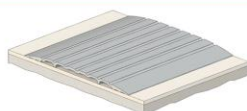
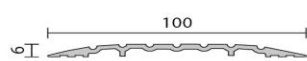
Sizes: Available in stock lengths

RP115 Threshold Plate



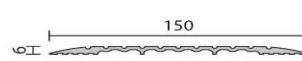
Sizes: Available in stock lengths

RP116 Threshold Plate



Sizes: Available in stock lengths

RP137 Threshold Plate



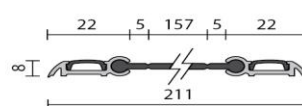
Sizes: 1000mm, 1750mm, 2000mm, 3000mm

RP138 Threshold Plate



Sizes: 1000mm, 1250mm, 2000mm, 2500mm, 3000mm

RP62 Anti-finger Jam Seal

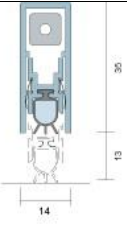
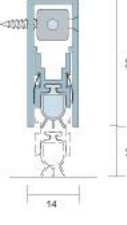
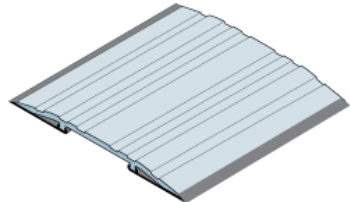
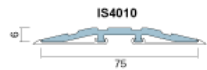
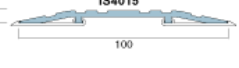


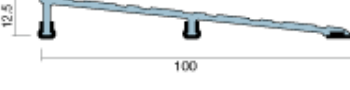

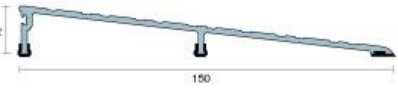


Sizes: 2100mm

The complete Raven Products range is available through Progressive Controls.
For more information, visit www.raven.com.au

**The complete range of
RAVEN door seals and thresholds is available.
Price on application
For quantity buys contact Progressive Controls.**

DOOR SEALS & THRESHOLDS






	IS8010si	380mm 600mm 820mm 920mm 1070mm 1220mm	
	IS8011si	380mm 600mm 820mm 920mm 1070mm 1220mm	
    	IS4010	1000mm 2250mm Then 250mm increments to 5000mm	
	IS4015	1000mm 2250mm Then 250mm increments to 5000mm	
	IS4020	1000mm 2250mm Then 250mm increments to 5000mm	
	IS4025	1000mm 2250mm Then 250mm increments to 5000mm	
	IS4070	1000mm 2250mm Then 250mm increments to 5000mm	
	IS4075	1000mm 2250mm Then 250mm increments to 5000mm	
	IS4077	1000mm 2250mm Then 250mm increments to 5000mm	

ELECTRIC STRIKES








[FSH illustrated]










ALL Major brands available Inc. PADDE - Assa Abloy

	FEM 20	Non-Monitored multi-function high security electric door strike
	FEM 20M	Fully Monitored multi-function high security electric door strike
	FEM 15 FEM15M (monitored)	Rim mount electric door strike Available monitored And non-monitored
	FEM 10 FEM 10M (monitored)	ANSI multi-functional electric door strike Available monitored And non-monitored
	EXTENSIONS For FEM 10, FEM 10M FEM20 and FEM20M	

MAGNETIC LOCKS

	FEM 5700 FEM 5700M (MONITORED)	SINGLE DOOR SURFACE MOUNT STANDARD-TYPE ELECTRO MAGNETIC LOCK
	FEM 5700D FEM 5700DM (MONITORED)	STANDARD DOUBLE DOOR, SURFACE MOUNT AND STANDARD TYPE
	FEM 3500 FEM 3500M (MONITORED)	SLIM SINGLE DUAL-MON MAG LOCK
	FEM 3500D FEM 3500DM (MONITORED)	SLIM-LINE DOUBLE DOOR SURFACE MOUNT
	FEM 3500FM (MONITORED)	FLUSH MOUNT DUAL-MON MAG LOCK

GLAZING SUPPLIES & TOOLS

	GS338 GLASS SUCKER	
	GS110 GLASS SUCKER	
	HACKING KNIFE	
	VINYL ROLLERS	
	SCRAPE & PRY BARS	
	TOYO GLASS CUTTERS	
	MIRROR TAPE	
	GLASS PLIERS	
	Secateurs & Anvil & Blade Spare parts	

MASKING TAPE

TaptMask18	18mm	1 ROLL	
TaptMask24	24mm	1 ROLL	
TaptMask32	32mm	1 ROLL	

GLAZING TAPE

DOUBLE SIDED FOAM GLAZING TAPE	1.6mm x 9mm 3.2mm x 9mm 4.8mm X 9mm 6.4mm x 9mm	45 Metre Roll 23 Metre Roll 15 Metre Roll 15 Metre Roll	
	4.8mm x 12mm	15.2 Metre Roll	
	1.6mm x 18mm	33 Metre Roll	
	1.6mm x 24mm	33 Metre Roll	
	3.2mm x 24mm	16.5 Metre Roll	
			
Setting Block Rubber	SR12 x 3	12mm x 3mm	
	SR 12 X 5	12mm x 5mm	
	SR 10 X 12	10mm x 12mm	
	SR 12 X 12	12mm x 12mm	
	SR 15 X 12	15mm x 12mm	
	SR 15 X 15	15mm x 15mm	
	SR 28 X 3	28mm x 3mm	
	SR 28 X 6	28mm x 6mm	
	SR 28 X 12	28mm x 12mm	

CAT & DOG DOORS



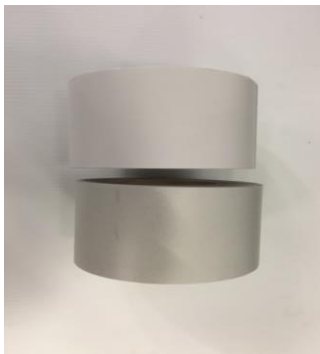


	CD1 CAT DOOR	TO SUIT GLASS
	DD1 DOG DOOR	TO SUIT GLASS

Cleaning – Lubricants - Solvent

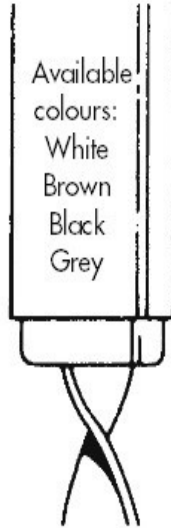
		SL300	SILICONE LUBRICANT
		SS300	SILICONE SOLVENT
		GC500	GLASS CLEANER

SILICONE AND PUTTY'S

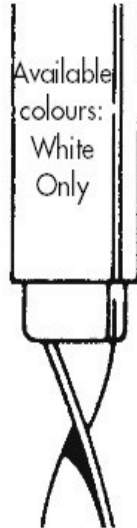
	V60	TRANSLUCENT BLACK SILVER WHITE GREY
	333	TRANSLUCENT BLACK
	V2	TRANSLUCENT BLACK WHITE
	MULTI PURPOSE	WHITE
	HANDI CLEAN WIPES	TUB OF 70 WIPES
	GLAZING PUTTY WHITE	400g 1.75kg 4.5kg 20kg
	CAULKING GUNS	S4 HANDYMAN S5 TRADESMAN (PICTURE SHOWN) S6 PROFESSIONAL

	SILICONE SPATULA	SS1
	Felt [Compressed Lambswool] DECAL Applicator	Felt Squeegee
	Crystal Glass Decal 75mm x 50 meter Dusted Glass Decal 75mm x 50 meter	Decal CG75/50 Decal DG75/50
	Decal Application Kit Decal, Spray bottle, Squeegee & Quickstik	Decal Kit
	Paper Towel	Paper Towel

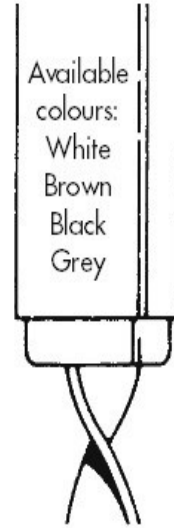
SASH BALANCE TYPES, COLOURS AND SPECIFICATIONS



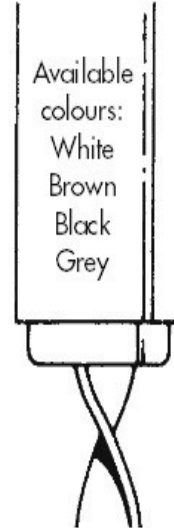
TYPE 'D'
STANDARD
14mm DIAMETER
TO SUIT
16mm x 16mm
REBATE
SASH WEIGHT UP TO
13.5kg



TYPE 'A'
9.5mm DIAMETER
TO SUIT
11mm x 11mm
REBATE
SASH WEIGHT UP TO
8kg



TYPE 'B'
12.4mm DIAMETER
TO SUIT
14mm x 14mm
REBATE
SASH WEIGHT UP TO
13.5kg



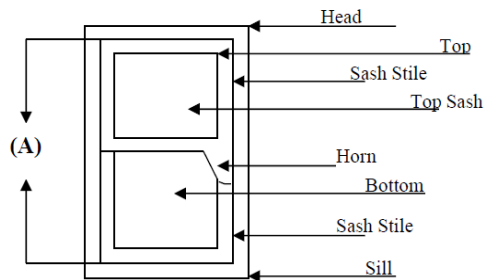
TYPE 'HD'
12.4mm DIAMETER
TO SUIT
14mm x 14mm
REBATE
SASH WEIGHT UP TO
17.5kg

Instructions to determine required Unique Sash Balance

The correct type of balance required for your window is governed by the size and weight of the sashes. The following information is required to ensure the correct balances are manufactured for your windows.

1. Measure overall window height accurately as per the diagram Below and select correct Balance Product Number as per the chart to the right. (Instructions for chart are at the bottom of the page).
2. Weigh window sash (place bathroom scales under sash) to determine correct spring size for manufacturing purposes.
3. Determine rebate size. Your rebate size will determine what type of balance your window requires. There are three (3) different diameter balances as described below.

Type A	Type B	Type D	Type HD
3/8" 9.5mm	1/2" 12.7mm	9/16" 14.3mm	1/2" 12.7mm
Diameter	Diameter	Diameter	Diameter
Residential	Commercial	Commercial	Commercial
Grooving	Grooving	Grooving	Grooving
7/16"x7/16"	9/16"x9/16"	5/8"x5/8"	9/16"x9/16"
11mmx11mm	14mmx14mm	16mmx16mm	14mmx14mm
Sash Weight to 8.16 kg	Sash Weight to 13.6 kg	Sash Weight to 13.6 kg	Sash Weight to 18 kg



	Product Number Required for Bottom Sash	Product Number Required for Top Sash	Product Number Required for Top Sash With 50mm Horn	Sash Product No	Tube Size in mm
(A)	(B)	(C)	(D)		
mm	mm				
635 - 690	10		10	10	330
690 - 735	11		11	11	355
735 - 785	12	10	12	12	380
785 - 840	13	11	13	13	405
840 - 890	14	12	14	14	430
890 - 940	15	13	15	15	455
940 - 990	16	14	16	16	485
990 - 1040	17	15	17	17	510
1040 - 1090	18	16	18	18	535
1090 - 1145	19	17	19	19	560
1145 - 1195	20	18	20	20	585
1195 - 1245	21	19	21	21	610
1245 - 1295	22	20	22	22	635
1295 - 1345	23	21	23	23	660
1345 - 1395	24	22	24	24	690
1395 - 1450	25	23	25	25	715
1450 - 1500	26	24	26	26	735
1500 - 1550	27	25	27	27	760
1550 - 1600	28	26	28	28	785
1600 - 1650	29	27	29	29	815
1650 - 1700	30	28	30	30	840
1700 - 1755	31	29	31	31	865
1755 - 1805	32	30	32	32	890
1805 - 1855	33	31	33	33	915
1855 - 1905	34	32	34	34	940
1905 - 1955	35	33	35	35	965
1955 - 2005	36	34	36	36	990
2005 - 2055	37	35	37	37	1015
2055 - 2110	38	36	38	38	1040
2110 - 2160	39	37	39	39	1065
2160 - 2210	40	38	40	40	1090
2210 - 2260	41	39	41	41	1115
2260 - 2310	42	40	42	42	1145
2310 - 2360	43	41	43	43	1170
2360 - 2415	44	42	44	44	1195
2415 - 2465	45	43	45	45	1220
2465 - 2515	46	44	46	46	1245
2515 - 2590	47	45	47	47	1270
2590 - 2615	48	46	48	48	1295

Column A

The total overall height of your window will fall between a size range in column (A) in the chart above

Column B

When you have found a figure in column (A) that your window measurement fits between follow that row across to column (B), This is the product number for a **Bottom Sash**

Column C

This is the product number for your **Top Sash**

Column D

This is the product number required for a **Top Sash with 50mm Horns** as per window illustration.

(These instructions assume that both top and bottom sashes are of equal size and meet at the mid rail)

Unique Sash Balances Types - Sizes - Weights

A Type Balance 9.5mm diameter (3/8")

Product Number	Standard Spring	Weight Range	Available Colours (Standard In Bold)
Up to 18	2 Spring	Up to 6.35 Kg	White Only
19 and over	3 Spring	6.35 – 8.16 kg	White Only

B Type Balance 12.7mm diameter (1/2")

Product Number	Standard Spring	Will Carry following weight Range	Available Colours (Standard In Bold)
Up to 24	2 Spring	Up to 6.35 Kg	Black , White, Grey, Brown
25 to 32	3 Spring	6.35 kg – 8.16 Kg	Black , White, Grey, Brown
33 and over	4 Spring	8.16 kg – 14 Kg	Black , White, Grey, Brown

D Type Balance 14.3mm diameter (9/16")

Product Number	Standard Spring	Will Carry following weight Range	Available Colours (Standard In Bold)
Up to 25	2 Spring	Up to 6.35 kg	Grey , White, Black, Brown
26 to 32	3 Spring	6.35 kg – 9 kg	Grey , White, Black, Brown
33 and over	4 Spring	9 kg – 13.6 kg	Grey , White, Black, Brown

HD (Heavy Duty) Type Balance 12.7mm diameter (1/2")

Product Number	Standard Spring	Will Carry following weight Range	Available Colours (Standard In Bold)
All Sizes	0 Spring	14kgs – 18 kg	Black , White, Grey, Brown

NOTE: If the weight of the sash is heavier than standard for that size please specify weight and spring size required.

EG: **28 D** Balance with sash weight of **12 kg** requires a **4 Spring** not the standard 3 spring.

PACKERS

75mm PACKERS



90mm JUMBO PACKERS



UNIVERSAL PAKA	COLOUR	PACK
75mm x 1.6mm	Cream	2500
75mm x 3.2mm	Red	1000
75mm x 4.8mm	Brown/Black	1000
75mm x 7.5mm	T/Cotta	1000
75mm x 10.0mm	Grey	500
UNIVERSAL PAKA	COLOUR	PACK
90mm x 1.6mm	ALL BLACK	1000
90mm x 3.2mm		1000
90mm x 4.8mm		1000
90mm x 6.4mm		1000

SCREEN DOOR HARDWARE

	<p>TASMAN LOCKS</p> <p>MK3</p> <p>MK2</p>	<p>BLACK</p> <p>WHITE</p> <p>BROWN</p> <p>PRIMROSE</p> <p>SPECIAL</p>
	<p>LEICHHARDT SLIDING DOOR LOCK</p>	<p>BLACK</p> <p>WHITE</p> <p>BROWN</p> <p>PRIMROSE</p> <p>MAGNOLIA</p>
	<p>SCREEN DOOR CLOSER</p>	<p>BLACK</p> <p>WHITE</p> <p>SLIVER</p> <p>BROWN</p> <p>PRIMROSE</p> <p>MAGNOLIA</p>



Progressive Controls/Sun-Power Auto Gates are pleased to introduce the **DEA** professional & domestic gate automation range. A short selection of the extensive range is shown here.

Contact sales@progressivecontrols.com.au for further information

- 100% made in Italy,
- All mechanical parts and gears entirely made of steel (no plastic components)
- Available in 24V or 230V
- Slide Gate Operators for Gates from 350Kg to 2500kg
- One Board for the entire range
- 99 settable parameters
- 3 year warranty (see warranty statement for further details)



LIVI



REV



CHARGER



STING



MAC



LOOK



swinger



ANGOLO



500



GHOST [IN-GROUND]

Extra Heavy-Duty Gate Operators

are available

From Progressive Controls

Sliding Gates up to 3.5 Tonne

Speed up to 630mm/sec

Swing Gates up to

8.0 metres per leaf

Weights up to 800kg

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AUTOMATIC GATE OPERATORS



Sun-Power XP Auto Swing Gate Operators



Power Swing Automatic Gate Operators

Super 24 & Super 12 Auto Slide Gate Operators

Spare Parts & Technical support are available for all Gate Operators

Accessories for XP & Power Swing Automatic Swing Gate Operators



Wireless Keypad

***Not for HD**
Commercial use



Tx10

**Radio Transmitters
with key ring.**



PALGATE SG-30-3GA-WR

**Remote Mobile Phone
Access SIM Card required**



PB-RAD-2

**Wireless Push button
with 2 position key switch.
Button ON/OFF**



ELECTRIC GATE LOCKS

SPXP-EL-CISA

**Optional EXTRA Strength
Electric Lock & Strike**



SPXP-EL

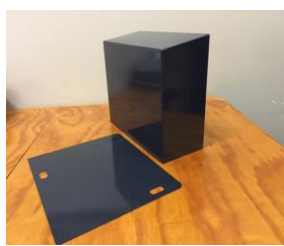
Optional Security XP-EL Electric Lock & Strike



RX500 Standalone Radio

Receiver. Ideal for fitting to most Roller & Panel lift doors to allow use of Tx10 Remote Control on your Gate & Garage Door

Note: Input power supply must be 12/24v DC



Side Mount 2 piece

Cover set
per single gate set

Note
MUST BE USED WHEN
SIDE MOUNTING



SPXPMP & SPPS Mounting Plates

Inc. Nyloc Nuts & washers
To suit XP & XP-R Series

Power-Swing Gate Operator Kits

WITH FREE BONUS PACK

Trade Price List

Full range of Spare parts & accessories available

SOLAR

Power Swing EVK Single Gate Kit includes:

- 1 x SOLAR Master Unit,
arm assembly & gate bracket
- 1 x 20 Watt Solar Panel
- 1 x 9 AH Battery Back-up
- 1 x Radio Receiver & Antenna
- 3 x Long range Radio Transmitters
- 1 x Complete Instruction/Owner's Manual

Double Kit includes the following

All items in Single Gate Kit above PLUS.....

- 1 x 12v Slave Unit/Arm assembly/Gate Bracket.
- 1 x 10 Metres Fig. 8 Cable [Master to Slave]

EVK Single **SOLAR** Gate Kit

EVK Double **SOLAR** Gate Kit

FREE BONUS OFFER
TRADE VALUE up to
\$450 with each Kit

2 More Long range
Remote controls
2 Wireless Push Buttons
or
2 Wireless Keypads
+ Mounting plate[s] to suit

Bonus pack cannot be exchanged
for other product or credit

Electric

Power Swing EVK Single Gate Kit includes:

- 1 x Electric 240/12v Master Unit,
arm assembly & gate bracket
- 1 x Transformer [Not enclosed in Unit]
- 1 x 9 AH Battery Back-up
- 1 x Radio Receiver & Antenna
- 3 x Long range Radio Transmitters
- 1 x Complete Instruction/Owner's Manual

Double Kit includes the following

All items in Single Gate Kit above PLUS.....

- 1 x 12v Slave Unit/Arm assembly/Gate Bracket.
- 1 x 10 Metres Fig. 8 Cable [Master to Slave]

Single **Electric** Gate Kit

Double **Electric** Gate Kit

FREE BONUS OFFER
Trade Value up to
\$450 with each Kit

2 More Long range
Remote controls
2 Wireless Push Buttons or
2 Wireless Keypads
+ Mounting plate[s] to suit

Bonus pack cannot be exchanged
for other product or credit

XP SERIES Automatic Gate Operator Kits

Single Gate Operator Kit - Electric

Kit Contents:



SPXP100X

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**FREE
BONUS
OFFER!**

AVAILABLE FOR
A LIMITED TIME

2 EXTRA
REMOTE
CONTROLS



AND

2 WIRELESS
PUSH-BUTTONS



PLUS



OR



2 WIRELESS KEYPADS



Single **Electric** Kit

Free bonus offer is not
interchangeable for
other product or credit



Double **Electric** Kit

Free bonus offer is not interchangeable
for other
product or credit

Double Gate Operator Kit - Electric



SPXP100/300K

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**FREE
BONUS
OFFER!**

AVAILABLE FOR
A LIMITED TIME

2 EXTRA
REMOTE
CONTROLS



AND

2 WIRELESS
PUSH-BUTTONS



PLUS



OR



2 WIRELESS KEYPADS

Single Gate Operator Kit - Solar

Kit Contents:



SPXP-R200K

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**FREE
BONUS
OFFER!**

AVAILABLE FOR
A LIMITED TIME

2 EXTRA
REMOTE
CONTROLS



AND

2 WIRELESS
PUSH-BUTTONS



PLUS



OR



2 WIRELESS KEYPADS



Single **SOLAR** Kit

Free bonus offer is not
interchangeable for
other product or credit



Double **SOLAR** Kit

Free bonus offer is not
interchangeable for
other product or credit

Double Gate Operator Kit - Solar

Kit Contents:



SPXP-R200/300K

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**FREE
BONUS
OFFER!**

AVAILABLE FOR
A LIMITED TIME

2 EXTRA
REMOTE
CONTROLS



AND

2 WIRELESS
PUSH-BUTTONS



PLUS



OR



2 WIRELESS KEYPADS

Sliding Gate Operator Kits

Super24 **SOLAR** or **Electric** Kit

Super12 **SOLAR** or **Electric** Kit

Kit includes

Gate Operator & Control board

4 x 1 Metre Drive Rack

3 Remote Controls

12v Unit has 20 Watt Solar Panel & Bracket - or Transformer if not Solar

24v Unit has 40 Watt Solar Panel & Bracket - or Transformer if not Solar

Limit switch brackets

Radio receiver & Antenna

2 Release keys

Contents of Kit:



Free Bonus Pack with these Kits- Trade Value approx. \$ 350.00

[Not exchangeable for other product or discount]

2 Extra Remote Controls + 2 Mounting Brackets

2 PB-RAD- Wireless Push Buttons or 2 Wireless Key Pads [domestic use only]



