



**TECH-ROLL SCREEN**  
RETRACTABLE FLYSCREEN

# TECH-ROLL INSECT SCREEN

Some unique & exclusive features of Tech-Roll Screens separate our product from our competitors.

## ◆ Tech-Roll Retractable Flyscreens

Tech-Roll screens aim to provide top quality insect screens at affordable prices. An insect screen system that keeps insects out without compromising the interior. Whether in the home or office, it is inevitable dust will build up on normal insect screens. With Tech-Roll screens you are assured of aesthetically pleasing interior while also preventing dust build up when it is neatly stored away.

Retractable flyscreens add another dimension to your home. They are stylish, versatile and offer practical solution to conventional flyscreens.

Tech-Roll screens offer solutions for all types of windows and doors. Sliding, Double Hung, Louvre, casement, awning windows, or Bi-Fold doors all fit perfectly to Tech-Roll screens.

## ◆ Why Choose A Tech-Roll Screen

- Lower energy cost using cross ventilation
- Does not spoil the interior or exterior of the home as screens hide away when not in use
- Blends in with your existing décor
- Screens suit any type of window or door
- Easy operation
- Low maintenance longer lasting than conventional screens
- Value for money.



Gear-Decelerator



Oil-Decelerator



Push Button



Sewn PVC film

## ◆ Product features

### STYLISH DESIGN ATTRACTIVE, WIND RESISTANT

Four sides of the mesh have been sewn with PVC film and the insides of this film run along the tracks. Thus the mesh will not derail from track even in strong winds.

All parts are made from non-corrosive materials so the product can be installed to building exteriors without any problems.

The product has been installed with an oil-decelerator and a gear-decelerator to prevent the handle from hitting the cassette when rewinding. Also the tension in spring can be easily adjusted by turning the screw attached to cassette.

### EASY TO OPERATE AND VERSATILE

You can easily lock the screen by pressing the "Push" button. The product boasts a simple and neat design, which allows you to adjust the screen and stop it from rolling at any point.

It is designed to fit almost any openings including internal reveals and faces and external surfaces of windows.

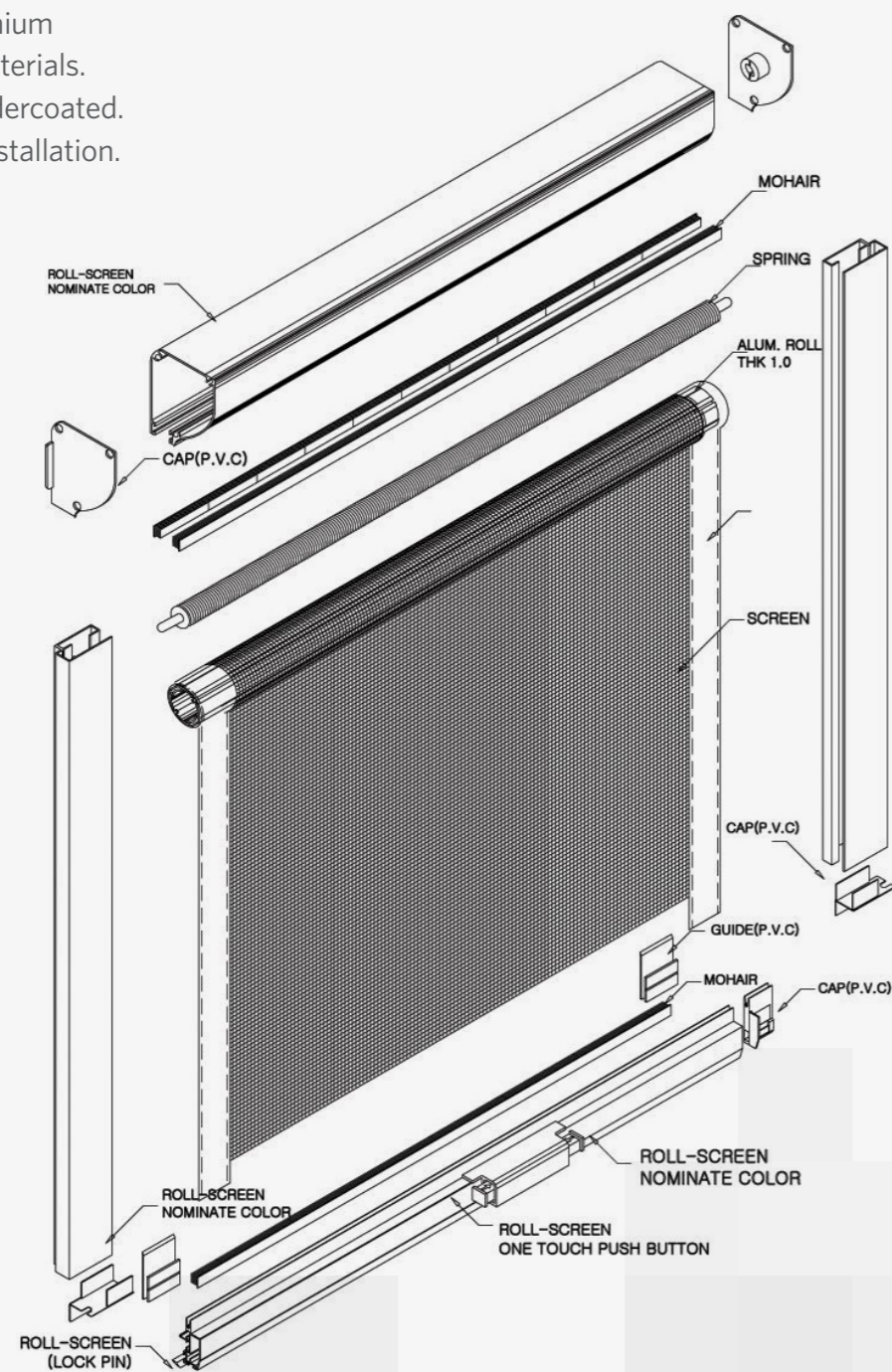
### QUICK AND EASY INSTALLATION

Every product is equipped with double-sided tape for a quick and easy installation. It allows you to check whether the product has been correctly set up before installing it with screws.

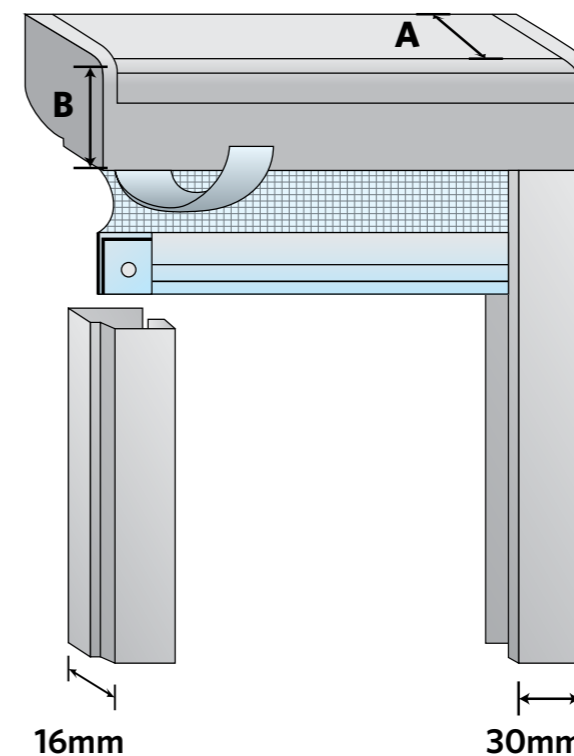
# ROLL-SCREEN ELEVATION

## ◆ Tech-Roll

High grade aluminium  
Non-corrosive materials.  
Anodised or powdercoated.  
Quick and easy installation.



# EXTRUSION COMPONENTS



## ◆ COMPOSITION OF TECHROLL

Tech-Roll is classified into Cassette (Housing) and Rail (Tracks).  
The screen is stored inside of the cassette and is made to operate by sliding on rails.

### Cassette Dimensions

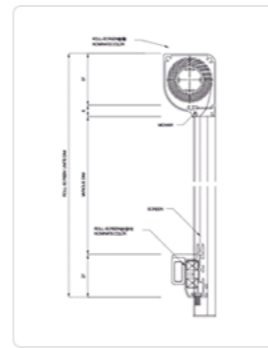
Cassette	A	B
Extra Small	37	45
Small	40	48
Medium	45	50
Large	53	60
Extra Large	63	68
Rail Dimension	16	30

### Cassette sizes against length of screen

Extra Small (45mm)	up to 650mm
Small (48mm)	up to 1000mm
Medium (50mm)	up to 1300mm
Large (60mm)	up to 2150mm
Extra Large (68mm)	up to 3000mm

# HANDLE FUNCTION

Tech-Roll screens feature the unique 'Touch Button' system.  
The only touch system in Australia.

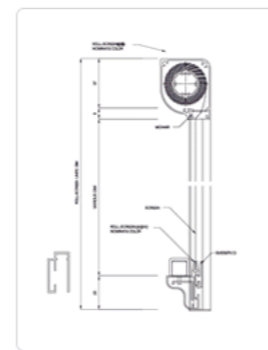


## ◆ POWER BUTTON

Buttons are designed at both sides of left and right corner of a latch can open from inside and outside locking and unlocking are available.

### Power Button Dimensions

Width : 11mm / Height : 20mm



## ◆ PJ BUTTON

Buttons are designed at both sides of left and right corner of a latch. Open from inside only. Locking and unlocking are available. Recommended for awning windows

### Power Button Dimensions

Width : 11mm / Height : 20mm

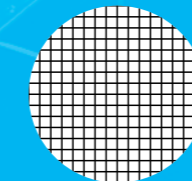
# FLYSCREEN MESH FACTS & DATA

Tech-Roll screen's flywires are fiberglass mesh and is specially derived from New York Wires (USA).

The material is non-corrosive and is classified as general screens or fines screens "dayfly screens".

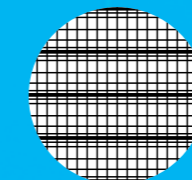
3 Styles of Mesh are available with Techroll screens. Standard Black Mesh, Grey Mesh, and Black "Striped Mesh".

These styles of Screens mesh is available for consumer's choice.



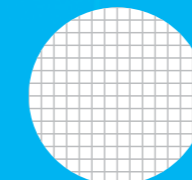
### BLACK FLY WIRE

Cassette Height 100mm - 2200mm    Maximum Single Width 3400mm  
Cassette Height 2300mm or Over    Maximum Single Width 2200mm



### BLACK STRIPE FLY WIRE

Cassette Height 100mm - 2200mm    Maximum Single Width 3400mm  
(Striped Horizontally)  
Cassette Height 2300mm or Over  
(Striped Vertically)    Maximum Single Width 2200mm



### GREY FLY WIRE

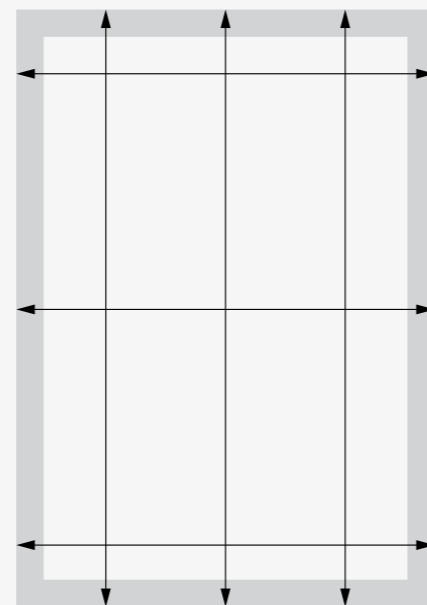
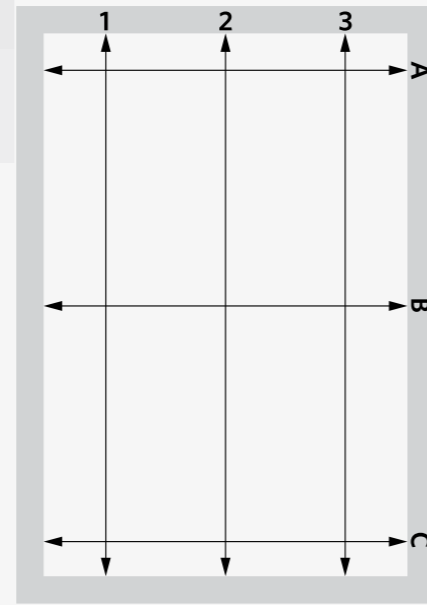
Cassette Height 100mm - 2600mm    Maximum Single Width 3400mm  
Castte Height Over 2600mm    Maximum Single Width 2600mm

# HOW TO MEASURE

## ◆ REVEAL FIT

Measure the calibre of left and right sides of the frame and the calibre in the middle of these sides. Note the smallest measurement.

Likewise, measure the calibres of top and bottom sides of the frame and calibre in the middles of these sides. Note the smallest measurement.



## ◆ FACE FIT

For Roll up screens

1. Make the measurement as you would to a reveal fitting.
2. Depending on the height, add the cassette size(s) and the rail size of 60mm.

For Example: The Reveal Measurement for a Roll Up Door was Height: 2000mm and Width 900mm.

To Face fit, The measurement should be recorded as Height : 2060mm X Width 960mm

## ◆ STANDARD COLOURS



## ◆ Important Notes:

Tech-Roll Screen should be installed on square and flat surfaces. If a frame is not square then You need to make arrangements to fill the gap before you commence installation of the screen.

# INSTALLATION GUIDE



**It does not matter if you install the cassette or the rail first, but usually the cassette is attached first.**

**1** Place the cassette to the fitting and fix cassette to the surface. The use of Silicone, bolts, or double sided tape is the choice of the installer.

**2** Once the cassette has been fixed and fitted into the window/door frame, pull the screen slightly and gently place the guide (attached to both sides of the handle) to the rail's groove. Then push it into the cassette's grooves affixing it into its position. If you push the rail in with too much force, the PVC film at the back of the mesh may become creased and hinder the screen's operation.

In the case of creased PVC film, it is recommended that you cut the folded part up to the screw in the middle.

**3** Install the rail on each sides.

**4** Pull the screen tight to the end and check whether the screen is operating smoothly. If the rolling speed is too strong or too weak, adjust the tension in the spring by turning the plastic screw at the right side of the cassette. Turn clockwise for stronger tensions and anti clockwise for weaker tension.

**5** For a smoother operation, spraying the rail grooves with WD40 is recommended.

**6** Finally insert screws and bolts in designated places.

## Checklist for malfunction

1. Check whether there is enough space by moving the screen to its full width (from left to right) and to its full height (Top to bottom). Distance between the two rail should be the same as the length of the cassette.
2. Check whether both rails are in upright position.
3. Check the PVC film attached to the back of the handle is bent or creased.
4. Spray silicone spray (Do not use WD40) along both guides of the rail.

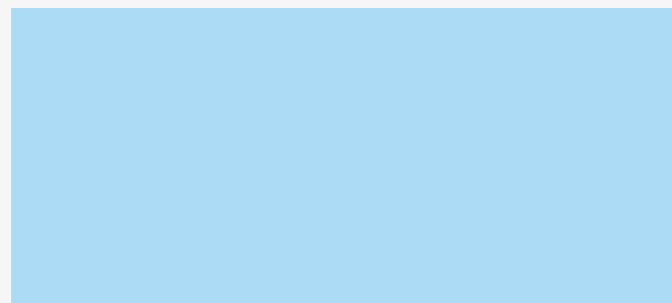
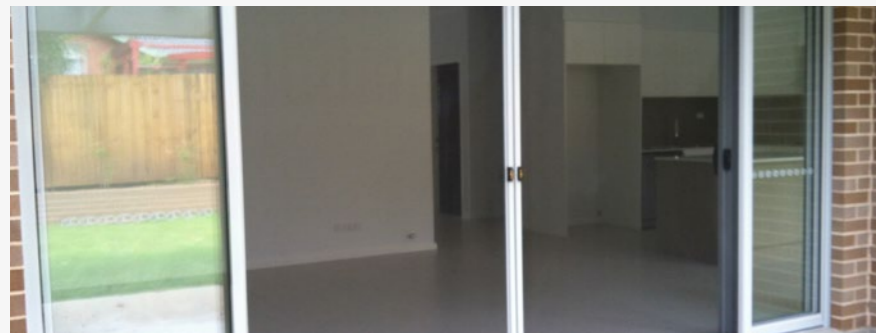
# COMMERCIAL WORK

Commercial Work carried out successfully with great feed back

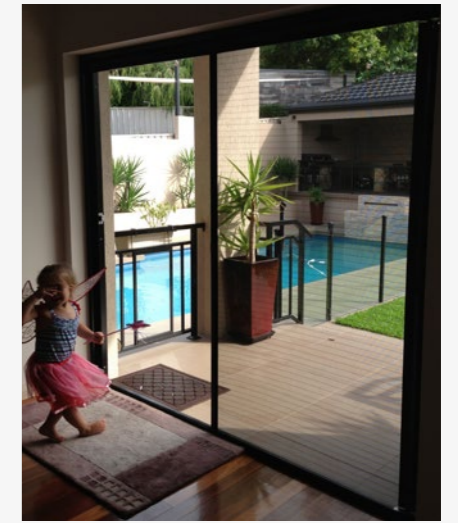
## CONSTITUTION HILL



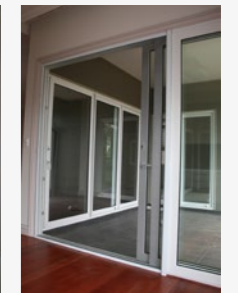
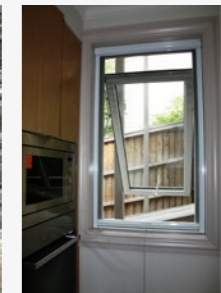
## PARRAMATTA



## KOGARAH



## ROSEVILLE



## HUNTERS HILL

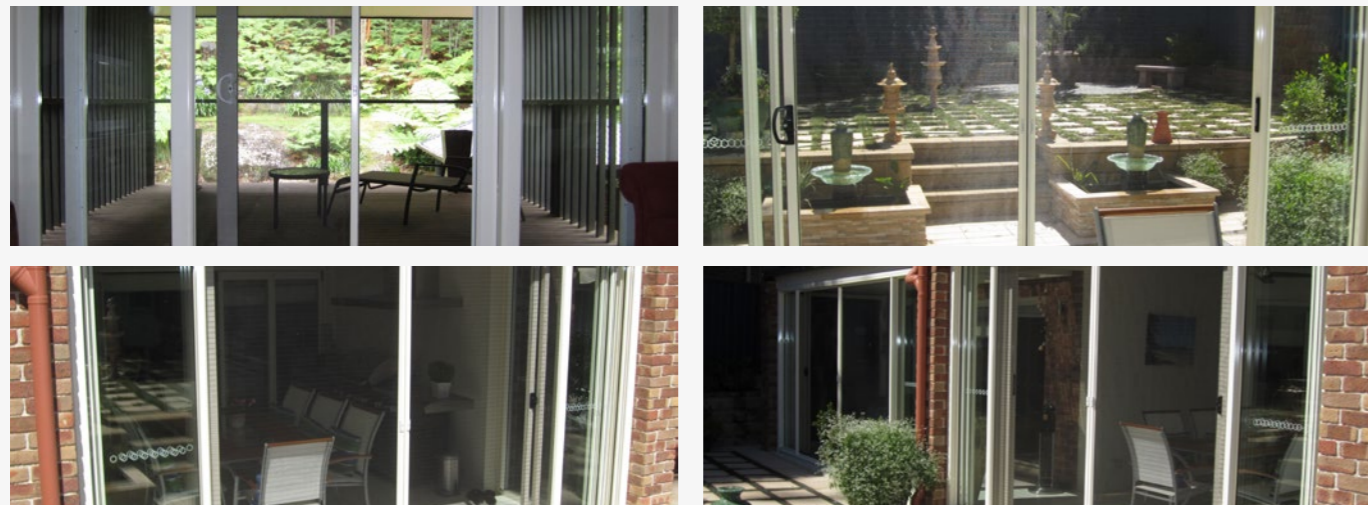


# PHOTO GALLERY

## AWNING WINDOWS



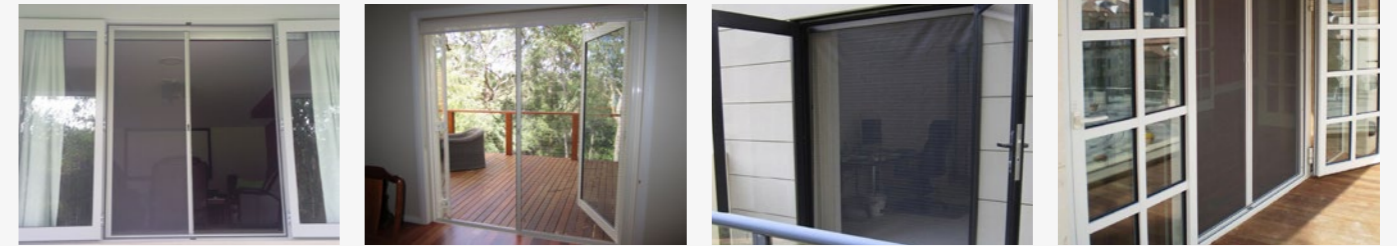
## SLIDING DOORS



## SERVERY WINDOWS



## FRENCH DOORS



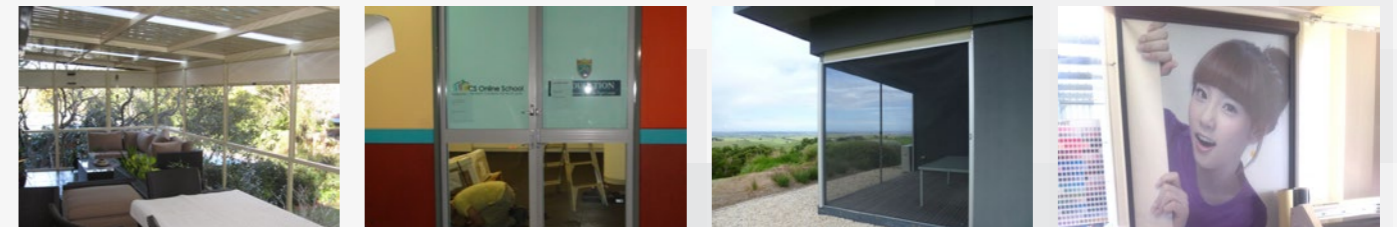
## BI-FOLD DOORS



## FRONT-DOORS



## OTHERS



# WARRANTY

## Terms and Conditions

All products manufactured by Daesang(DS) Techroll Screens Australia Pty Ltd are to be originally free from defects in parts and workmanship, which may impair or degrade the overall product performance. The products are provided with a seven-year conditional warranty on parts excluding the screen mesh and a 12 month warranty on labour.

Products included in the warranty service include all screen products manufactured by DS Techroll Screens Australia Pty Ltd. DS Techroll products produced outside of Australia cannot be claimed under the warranty service of DS Techroll Screens Australia Pty Ltd. Products with damage caused by misuse or accidents also cannot be claimed under this or any other warranty.

DS Techroll Screens Australia Pty Ltd assumes no liability under the warranty terms for defects that result from :

- ❖ Improper operation and mishandling of products
- ❖ Un-Authorized repair or modification
- ❖ Use of replacement material that are not authorized by DS Techroll Screens Australia Pty Ltd
- ❖ Accidental or intentional damage
- ❖ Natural Disaster

Warranty is limited to the replacement of the parts and materials, excluding mesh. If a product is deemed defective within the time-frame of the warranty term, all parts will be replaced free of charge upon request. Labour cost is included for the first year of purchase and installation and thereafter will be charged.

For the warranty to be in effect, all products must be originally installed and commissioned by an authorized Techroll Screens dealer or distributor. All actions in regards to warranty, including but not limited to replacement of parts and labour is to be carried out by an authorized Techroll Screens representative.

Liability for any damages, including but not limited to consequential and economic loss directly or indirectly connected to our products, as well as breach of any express or implied warranties, including but not limited to implied warranties or merchantability, quality and fitness for any other purpose than as expressly stated herein, is disclaimed and excluded here from to the extent such disclaimer and exclusions are permitted by law.

**DS Tech-Roll Screens Australia Pty Ltd**  
ABN 72 124 376 825

# SPECIAL THANK YOU

