

AutoCav®

With 30 years experience in manufacturing sliding doors and a further 10 successful years in the automated door market, **CS FOR DOORS** offers the most advanced automatic cavity slider system available.

The CS AutoCav has been a vital addition to the building industry. We have taken existing motorised door design and made it more reliable, programmable, functional and 100% New Zealand made!

High quality automated cavity sliders with a supreme range of control settings & options.

CS FOR DOORS can supply a complete system including design, commission and servicing.



▲ 1 - CS AutoCav Single unit with powder coated CS AluMax door leaf.

Create **Automatic** Space

Commercial



Residential



Health Care



Architectural



Another quality product from:

The CS AutoCav is available with a wide range of detail and finishing options and can be fully customised to include a range of operating devices. Battery backup is provided, giving 24 hours continual use on mains failure. Locking function and jamb mounted safety beams are also standard if required.

Design Features & Options

- ▮ Available as Single or Bi-Parting (double) units with or without a door fitted.
- ▮ Designed to fit into standard wall framing (90mm x 45mm kiln dry).
- ▮ Patented cavity frame is fully tested and guaranteed. It is engineered from high quality heavy duty extruded aluminium.
- ▮ Available with powdercoated or anodised aluminium jambs, or timber jambs (flat or grooved).
- ▮ Supplied fully assembled for on-site installation.
- ▮ No visible floor guides.
- ▮ Ease of operation - compatible with most control switching devices.
- ▮ Interface capable - the CS AutoCav can be wired to an overriding PLC or to work in conjunction with fire alarms and security.
- ▮ Safety features include electronic obstacle detection and auto-reversing of the door upon meeting an obstruction.
- ▮ In the event of power failure, the door can be manually opened or a battery backup can be supplied.



↑ 2 - CS AutoCav Single unit with powder coated CS AluTec door leaf.

2 - CS AutoCav with CS NewYorker door leaf →

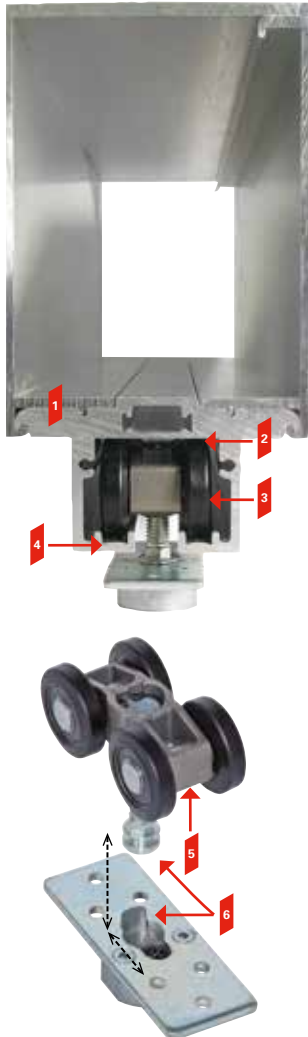
Why specify CS AutomaticUnits?

Quality

Our aim is to make the best quality automated cavity sliders. Therefore, every component is uniquely designed with this in mind.

Technology & Innovation

Our engineers focus on constantly developing new products and refining existing ones. That's why our products come with a number of unique features. A few exclusive **CS AutoCav** features (refer to pics on left):



- 1 Heavy duty extruded aluminium track.
- 2 Minimal clearance means carriages/wheels cannot jam or jump off track.
- 3 Large diameter wheels with precision ground bearings make for smooth running.
- 4 Radiused track reduces friction & allows dust to be pushed into the little gutters so the door always slides smoothly.
- 5 4-wheel carriages are standard on all doors over 90kg. Body made from cast stainless steel for strength & reliability.
- 6 **CarriSnap** quick release system allows the door to be removed easily from cavity - no need to unscrew anything and lose door height adjustment.

Standard 4-wheel carriage & mounting plate*

*NZ Patent 533838.
Aust patent 2005 202818 (2011).

We're Local

CS FOR DOORS is 100% New Zealand owned & our products are 100% New Zealand Made.



↑ Come see our door systems at CS FOR DOORS' NZIA Award winning Head Office & Factory.

Our Guarantee

WE GUARANTEE PRODUCT WITH OUR SERIAL CODES FOR UP TO TEN YEARS*

*Guarantee conditions apply. Contact CS FOR DOORS for details.

Access Control Options

A variety of access control options are available, from simple push button or overhead sensor to secure entry via touch pad, swipe key or a combination of methods.



Rocker Switch



Touch sensitive switch (backlit red or green)



Heavy duty push button



Hand wave sensor

Ask about our pre-packaged activation packs for the most appropriate operating solution for your needs.

Detail Options

Architrave



Grooved



AluSealed®



Shadowline™



SquareFormed™



Incorporate any of the above architectural detail options with the CS AutoCav cavity slider to create a specific look or to provide a unique solution.

Customisation

CS FOR DOORS is the only manufacturer of automated doors to offer automation specifically designed for cavity sliding doors. CS AutomaticUnits also offers surface sliding and automated pivot door solutions.

Check out the full range of products and use our online calculator at:

www.csfordoors.co.nz

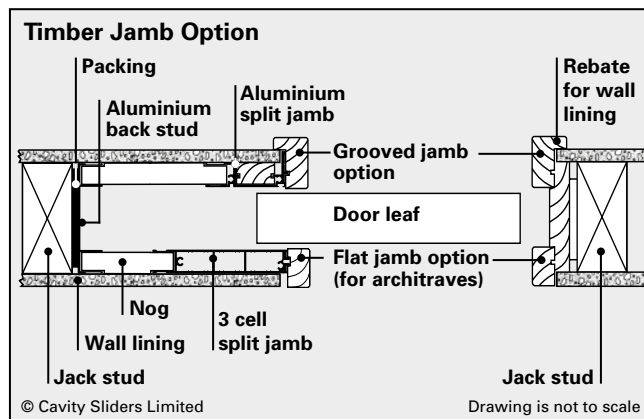
Technical Information

How to specify (example)

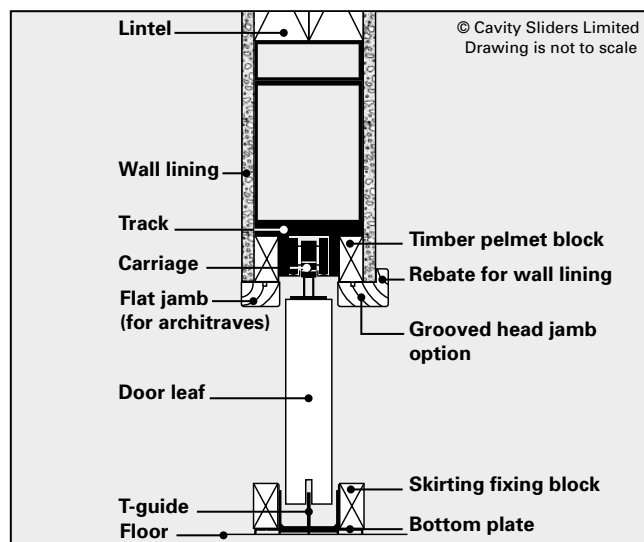
Product:	~ AutoCav90 by CS FOR DOORS
Location:	~ Office 02
Door type:	~ CS NewYorker 1-Lite
Door leaf dimensions:	~ 2400mm x 900mm
Door finish:	~ P/C Silver Star
Single or Bi-Parting:	~ Single
Jamb type & finish:	~ P/C Aluminium Jamb with brush seals
Framing material & size:	~ 90mm stud
Wall lining thickness:	~ 13mm
Door gear type & finish:	~ CS 240kg track system
Operation:	~ By overhead sensor. Include battery backup.

Full specifications are available on www.masterspec.co.nz

Plan view (CAD)



Elevation (CAD)



Useful formulas (on-line calculator @ www.csfordoors.co.nz)

Dimension Required	Single
Trim height*	DH + 260
Trim width*	DW x 2 + 30
Distance between jambs*	DW - 31
Clear walk through	DW - 31
Distance over jambs (Arch)	DW + 13
Distance over jambs (Grvd)	DW + 31
Distance over jambs (Alum)	DW + 31
Floor to top of head (Arch)	DH + 38.5
Floor to top of head (Grvd)	DH + 49.5
Floor to top of head (Alum)	DH + 44
Floor to underside of head*	DH + 18.5
Floor to u/s of head (Alum)	DH + 13.5

DH = Door Height, DW = Door Width. Note: All dimensions are in mm.
* Same calculations for both Architrave (Arch) & Grooved (Grvd) jambs

Standard CS AutoCav Features

1 Self-tensioning pulley and heavy duty belt
Steel reinforced belt combined with self tensioning roller pulley ensures years of service without the need to tighten any belts.

2 Track & carriages
Heavy duty extruded aluminium track. Carriages with glass filled nylon wheels and enclosed bearing races ensure smooth maintenance-free operation.

3 Access panels
Ensure access to the track section is always possible.

4 Controller
Fully programmable with many standard operating modes. Includes built in safety beam controller, built in object detection, smart learning modes.

5 Motor and gearbox
Precision cut metal gears & oil filled gearbox provide reliability & strength that allows the motor to lock doors in place without the need for solenoid or magnetic locking devices.

6 Safety beam sensors
Provide obstacle detection through the opening.

7 High quality components
have been designed for all parts of the system, ensuring reduced servicing intervals and product longevity. Patented cavity frame is guaranteed.

8 No visible floor track
Hidden T-guide at the base of the cavity guides the door through the opening.

9 Wall mounted comms plug
for easy changes to settings after installation.

