30/10/2026

Data Sheet

Pacific SPS1 Custodial Door

Description

The Pacific SPS1 door set is a detention or commercial security door, resistant to physical attack using hand tools, levers and heavy impacts from either face. The SPS1 includes features designed to increase impact resistance and durability in high-use situations. The door leaf is a solid core panel, fully encapsulated in steel sheet with seam-welded edges, hung in a steel frame.

Product features:

- Single or pair
- Multipoint locking system
- Compatible with timber stud and masonry wall
- Optional security glazing is available
- Security tested
- Ballistically tested to AS/NZS 2343:1997 standard

Typical applications:

- Institutional Detention door set
- Prison Cell Door
- Commercial Security fire door
- Stairwell door in multi-level buildings

For further information on this product, visit:

https://www.pacificdoors.co.nz/products/security/custodial-doors/sps1

Product options

Leaf size and wall type

Leaf size

The door set is suitable for both interior and sheltered exterior use.

	Rating	Standard	Description
Bullet Resistance	G1	AS/NZ 2343	.357 Magnum
	S0	AS/NZ2343	Shotgun 12-gauge SG shot

The thickness of the SPS1 door leaf is 50mm with an approximate leaf weight of 59kg/m2.

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Wall Type	Fire Resistance Rating (FFR)	Door Application	Max Leaf Height (mm)	Max Leaf Width (mm)
Timber Stud Masonry	N/A	Single	2350	1150
		Pair	2350	1150

Notes:

1. Please note that the maximum leaf width shown above is measured per door leaf.

Wall type

This door set is suitable for installation into a timber or masonry wall of equal security construction as the door type.

Timber stud walls
A timber stud subframe can be factory fitted to the main frame for connection to a timber stud security wall.

Masonry walls
Frames may be installed during or after the construction of masonry walls. Several proven connection systems are available.

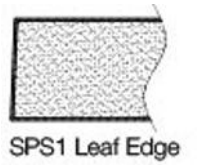
Steel stud wall
It is recommended to trim out the door opening in a steel stud wall with double timber studs to full height.

Door Leaf Options

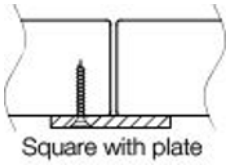
The SPS1 is fully encapsulated in a steel sheet.

2. Other facings may be available; please contact Pacific Doors to discuss further options.

Leaf Edges
The SPS1 has seam-welded edges as shown below.


SPS1 Leaf Edge

Meeting Stiles
The meeting stiles listed below apply to paired door sets only.


Square with plate

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Hardware

Closer
Surface-mounted or concealed closers can be fitted to the SPS1. If concealed closers are required, these must be specified at the time of order so that correct preparations can be made in the door leaf and frame.

Hinges
Full mortise 4½" x 4½" Institutional Hinges are standard (material is Stainless Steel 304).

The SPS1 can also be installed on block hinges, for example, as a cell door in a cast-in cell front.

Pacific Doors also has its own designed and tested block hinge available on request.

Locks and Accessories
Any security or commercial locks that suit the door thickness can be fitted to the SPS1 door set. The lock (and other hardware) must be specified at the time of order so that correct preparations can be made in the door leaf and frame.

The leaf is solid core and therefore most surface-mounted or mortised devices can be connected to it, such as:

- Mortise, cylinder, or surface-mounted locks
- Frame-mounted locks
- Door position or lock status switches
- Flush or surface-mounted handles
- Power cable ducts

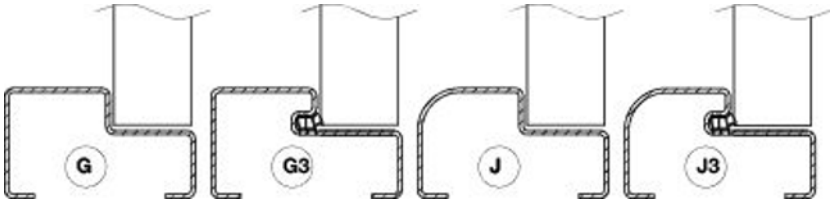
A wide range of electronic locks may be accommodated, including electromagnet clamps, shearlocks, and electric strikes.

Locking systems with multiple bolts, including top and bottom bolts, internally fitted to the SPS1 door set, are available from Pacific Door Systems.

Frame Types and Profiles

Timber Frame
This door set is only available in a steel frame.

Steel Frame
The steel frame profiles listed below are available for the SPS1 door set:



Standard frames are three-sided only, with no sill. Four-sided frames and/or custom sills may be available on request. For more in-depth information on frame profiles and sizes, please see our Installation Instructions.

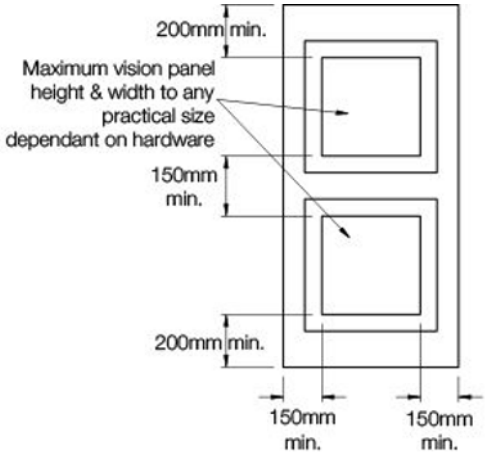
Steel frames require packing of the frame during installation with fibrous insulation material (e.g., fibreglass, mineral wool, or polyester batts).

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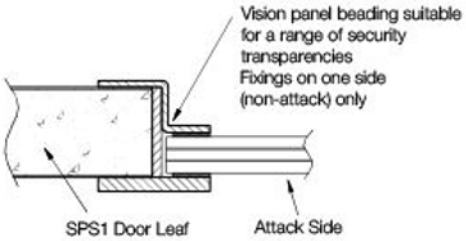
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Vision Panel

Glazing Type	Maximum Glazed Area		Max Height (mm)	Max Width (mm)	Glazing Bead
	Per VP	**Total**			**Steel Bead**
Security Glazing	0.765m2	1.53m2	900	850	√



Standard Vision Panel Cross Sections



Performance

Security Testing
The SPS1 door set was subjected to 50 impacts from a 200kg cement-filled bag at 4.8m/s, in the direction of opening of the door. The door was able to be opened at the end of the test and was substantially undamaged.

Ballistic Testing
The SPS1-FR door set has been successfully tested to AS 2343:1984 “Bullet-resistant panels for interior use” with ratings of:

- G1 .357 Magnum
- S0 Shotgun 12 gauge SG shot

Thermal Insulation
This door leaf has a thermal insulation rating (R-value) of 0.615km2/W

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