

SECLUSION ROOM DOORSET TECHNICAL DATA SHEET

TDS003 REV 1

SAFEHINGE[®]
PRIMERA

PRODUCT OUTLINE

Our Seclusion room doorset has been designed for patients in a heightened Mental Health crisis.

Increasing safety for service users - Protruding items such as a handle, hinge or vision panel beading have all been removed from the inside of the door. So there are no protrusions which could be used to self-harm – protecting service users when they're most vulnerable.

Providing robustness for extreme abuse - The solid hardwood door core meets recommendations from the National Association of Psychiatric Intensive Care Unit (NAPICU). As the most durable in high-abuse environments, PVC door facings are used as standard.

Designed to de-escalate - Our PVC facing's are available in both timber effect and colour finishes, to complement your designs. Timber effect, in particular, can help create a more calming space and aid de-escalation.

Rigorously tested - We've rigorously abuse tested our seclusion room doorset to ensure it's robust for extreme abuse. The locks are fitted to the frame with unique metal anchoring system to secure these into the structure, significantly reducing the risk of breakout.



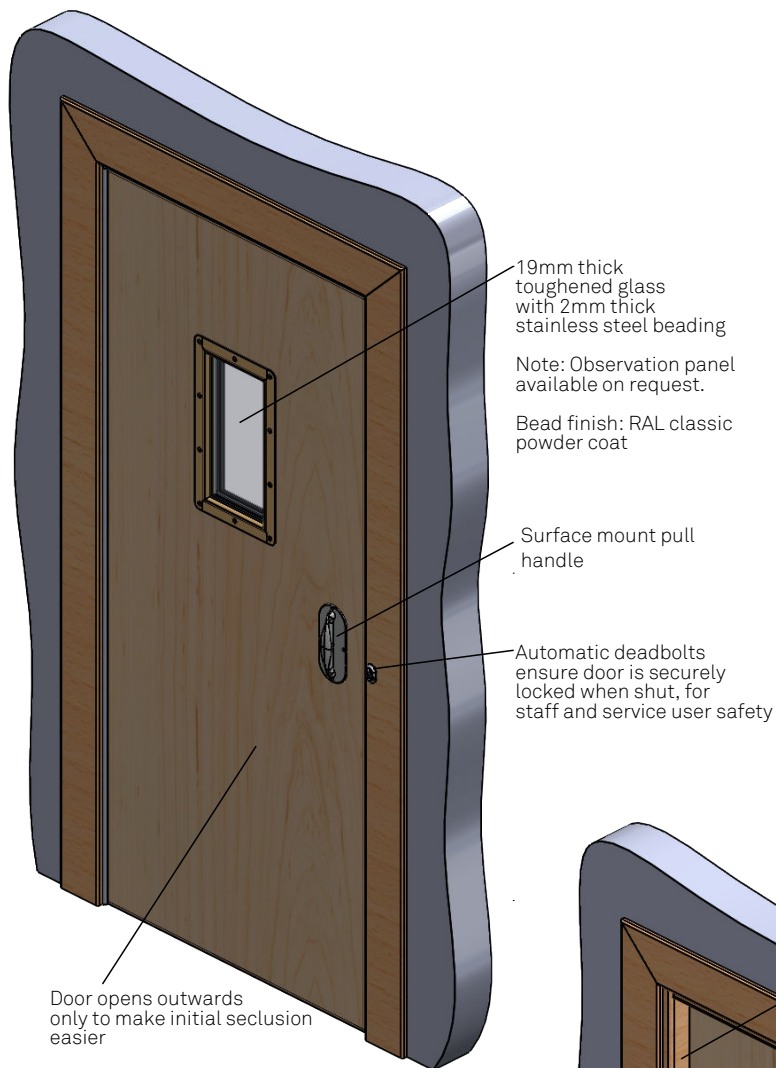
KEY FEATURES

- Outward opening only - opens to 140 degrees
- Non Fire rated only
- Multiple electronic and mechanical locking options
- Hardwood frame, stops and architraves
- Solid core laminated door core
- No protruding door furniture on the inside
- Impact resistant PVC door facing
- Heavy duty anti ligature continuous hinge
- All ironmongery factory fitted (except handle, cylinder and cylinder escutcheon)
- 120mm wide architraves to allow bolt through fixings to reinforce the wall construction.

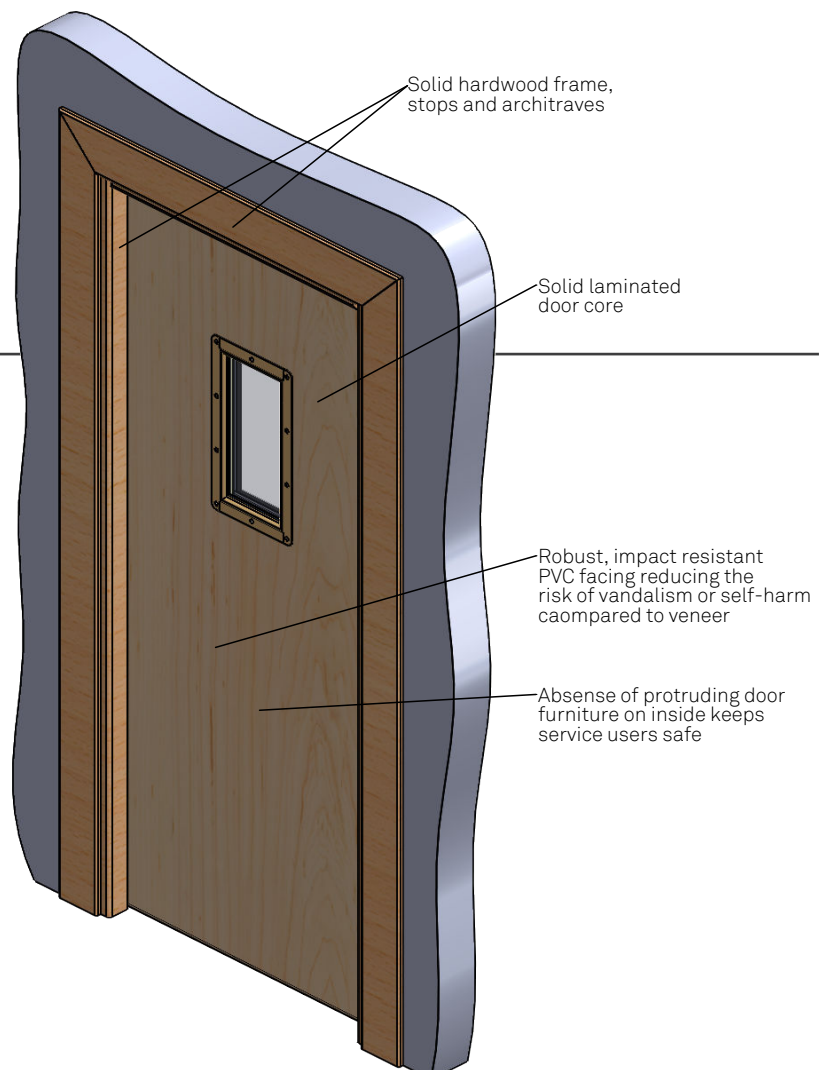
MECHANICAL TESTING

We carried out testing on our seclusion room door – designed for extremely abusive situations where service users are at their most vulnerable, these doors must withstand high levels of aggression for extended periods of time. To ensure this, our testing process involved more than 100 impacts with a paving maul in the same location of the door (Medium Secure test calls for 10 impacts). Hitting the same part each time, we believe, more realistically simulates the real-world environment – where a service user works out their aggression by kicking a door repeatedly.

PRODUCT DIAGRAM – EXTERNAL OPENING FACE

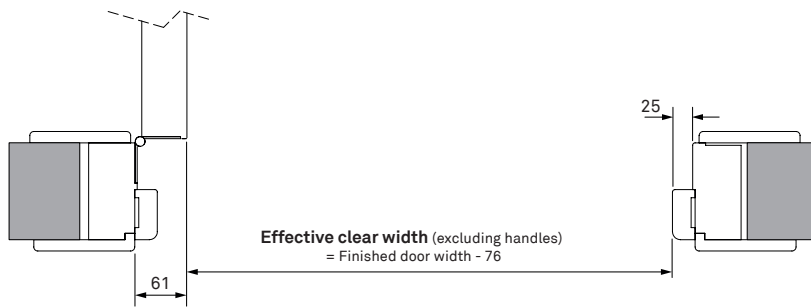
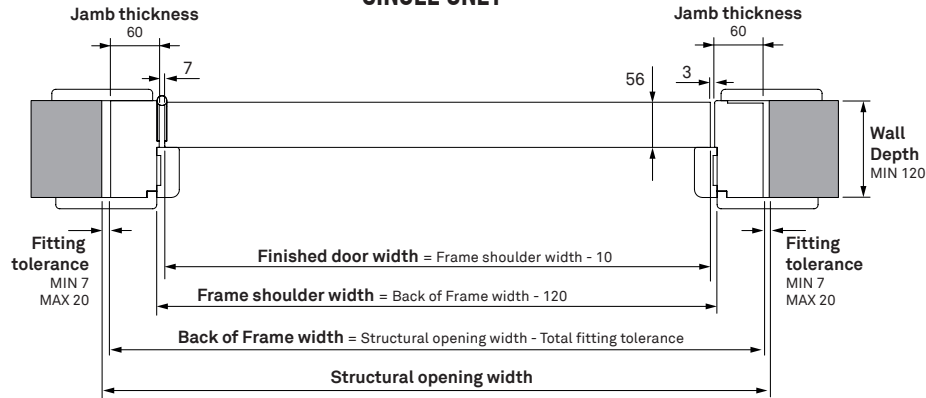


PRODUCT DIAGRAM – INTERNAL CLOSING FACE

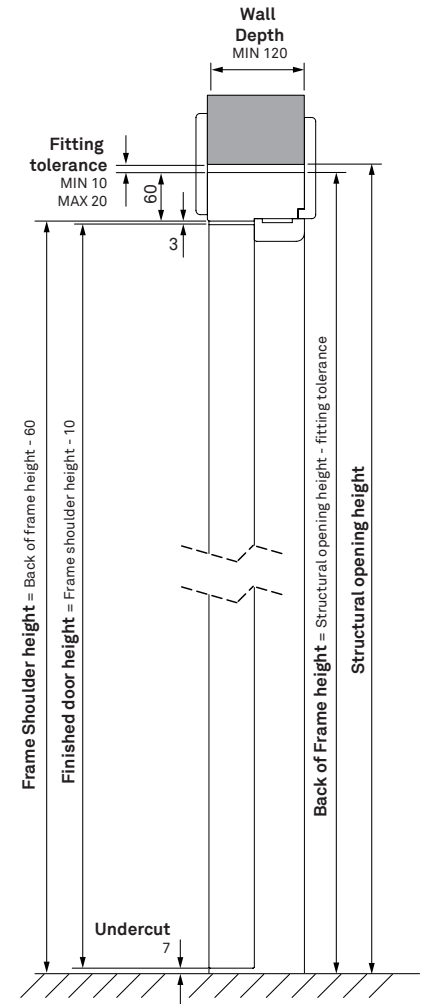


DOORSET DIMENSIONS

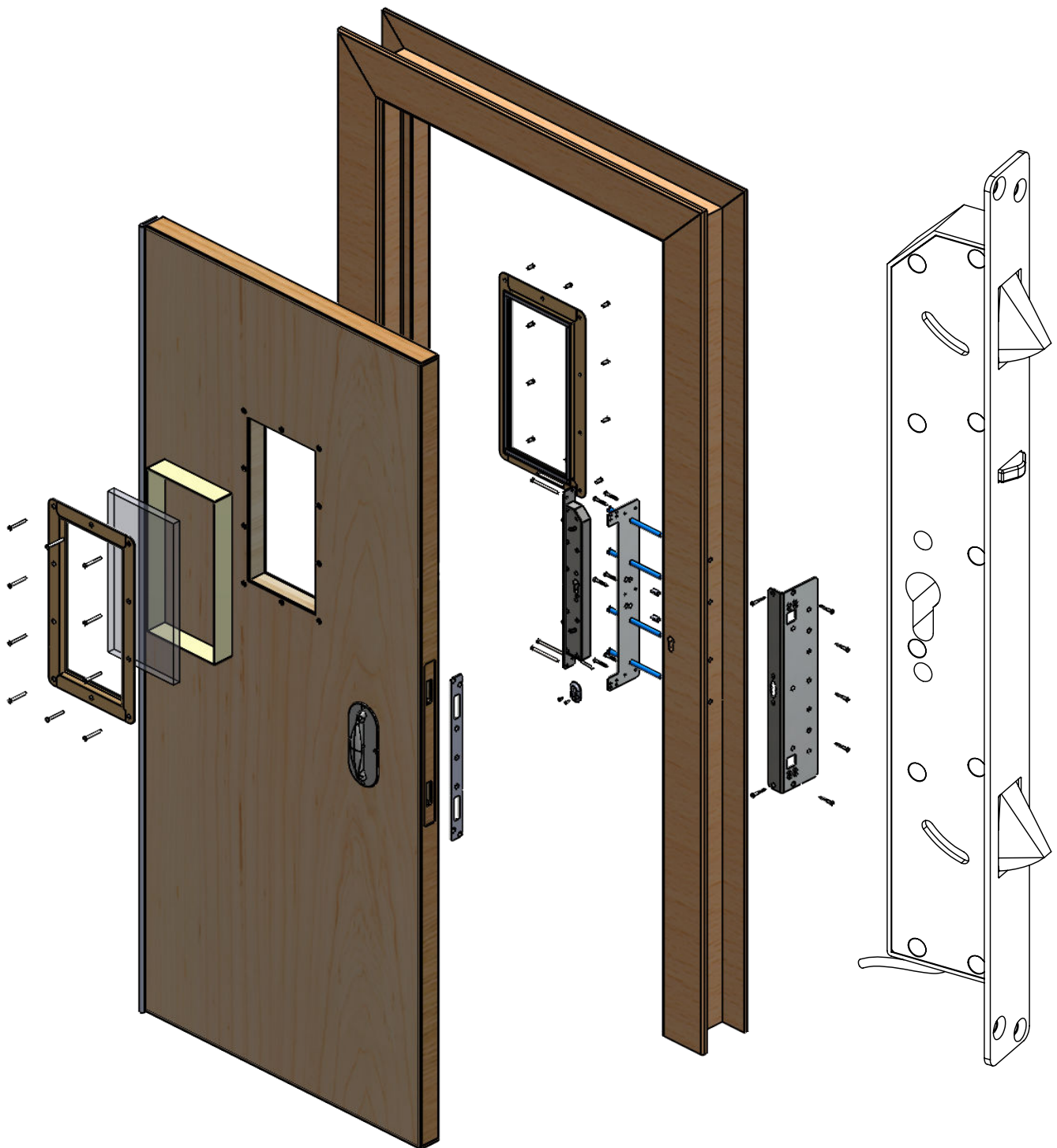
SINGLE ONLY



HEIGHT



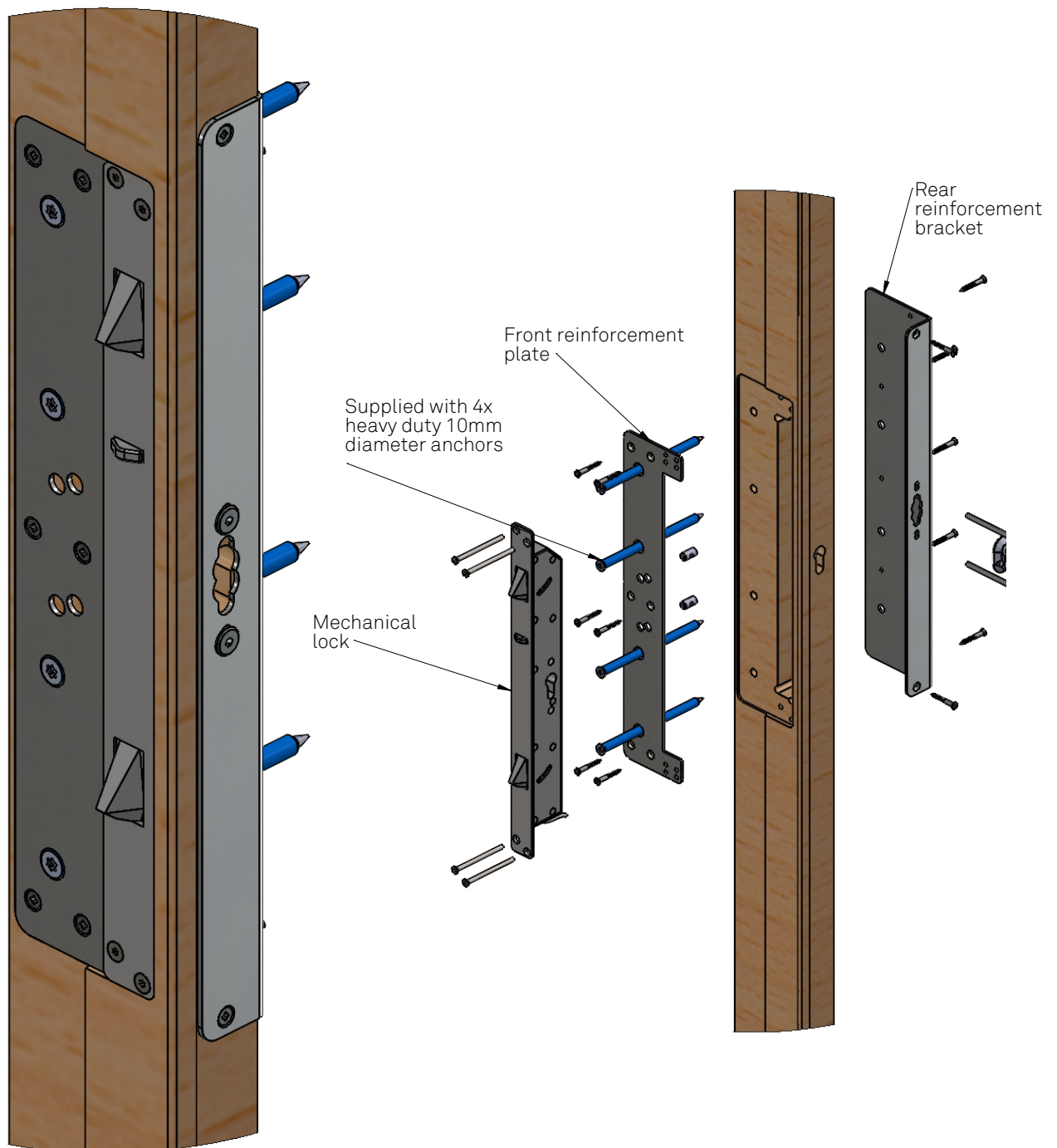
MECHANICAL LOCKING



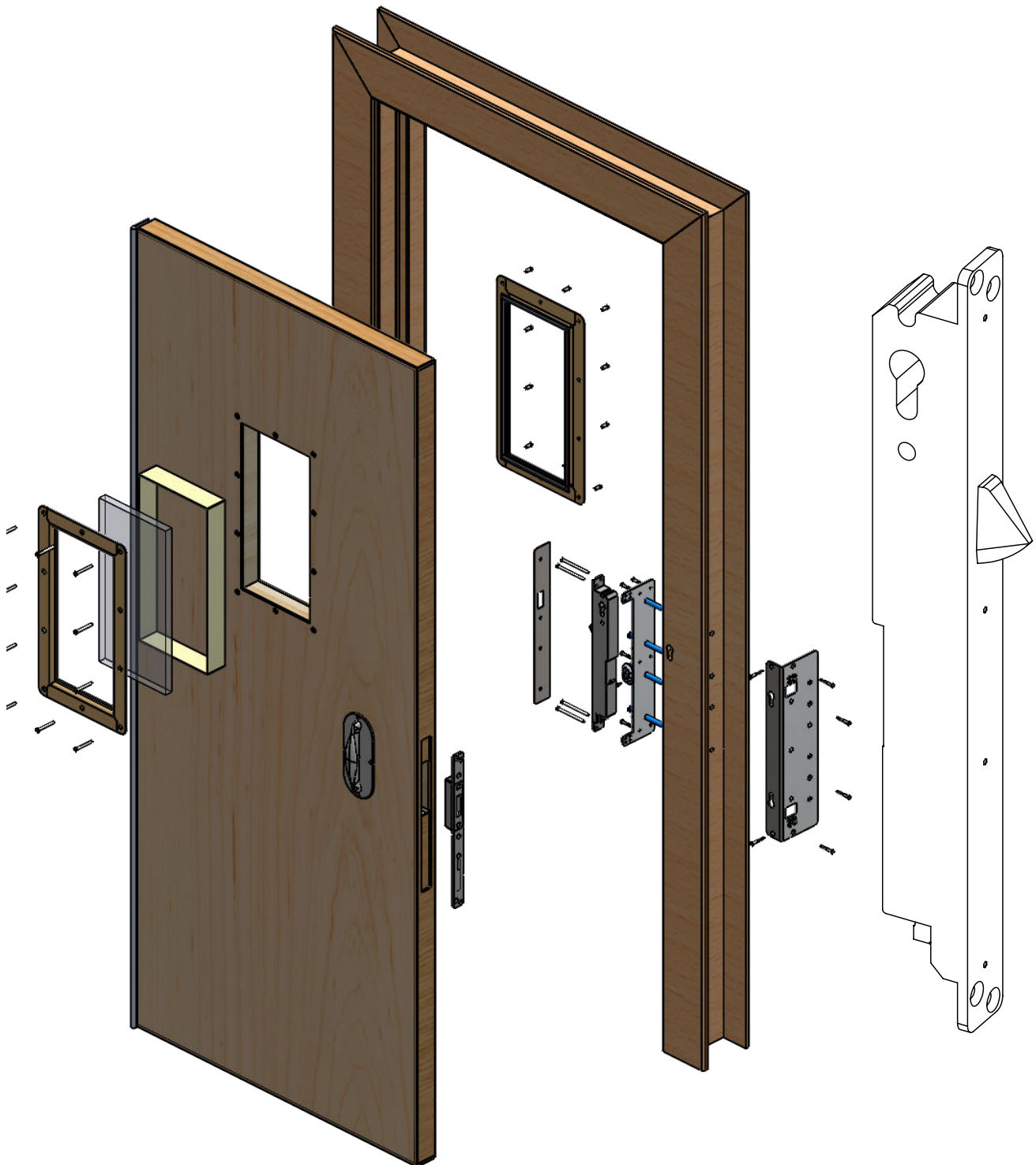
TECHNICAL SPECIFICATIONS

- Mechanical security lock with 2 self-locking bolts
- The bolts are ejected and deadlocked automatically as soon as the door closes
- Always secured on 2 locking points (bolt throw 20mm)
- Unlocking by 61mm europrofile cylinder
- Integrated signalisation of the bolt position (unlocked / locked)
- Locking components, housing and striker plate in stainless steel
- Side load resistance of 40,000 N
- Backset 30mm

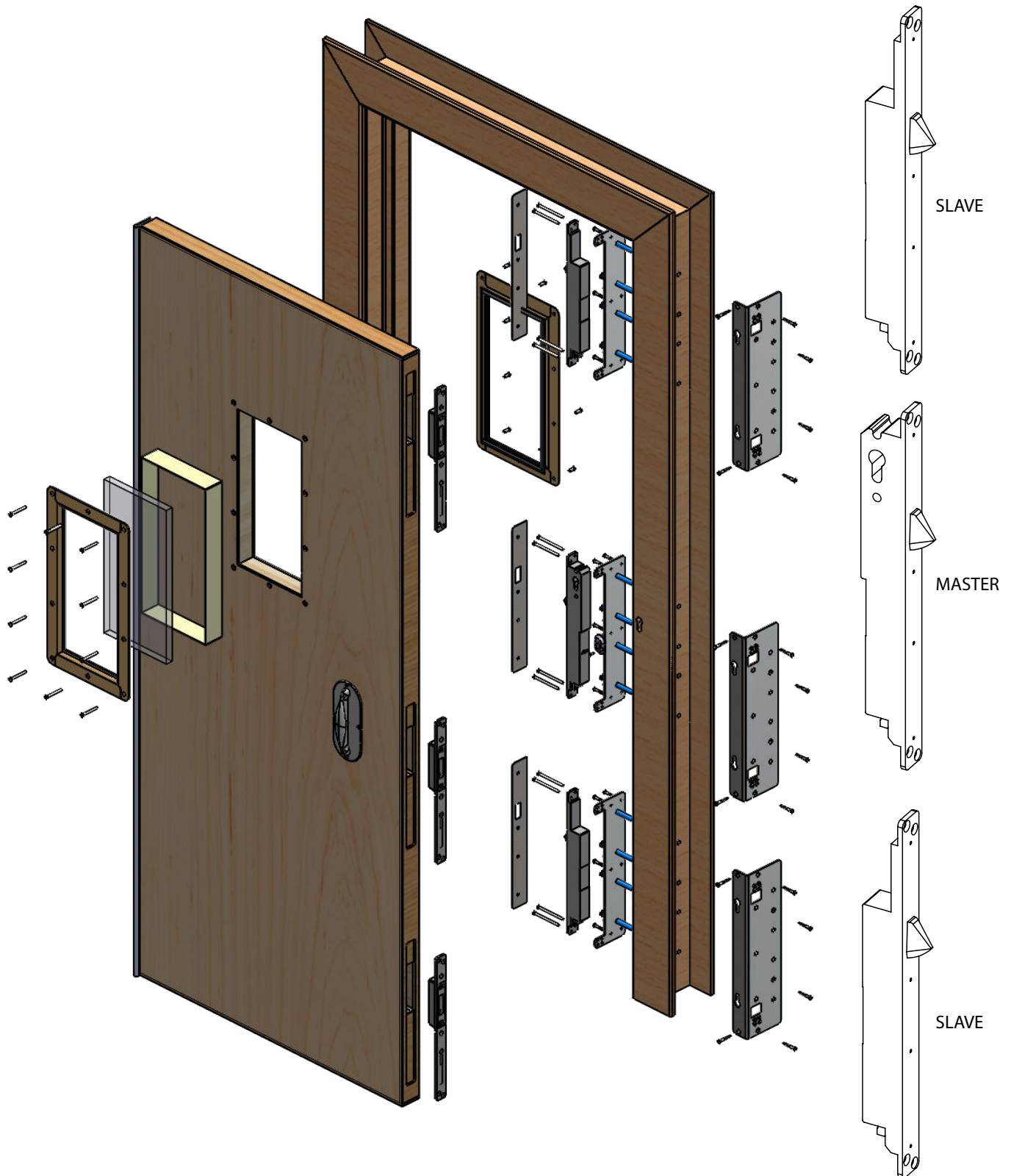
MECHANICAL LOCKING - REINFORCEMENT



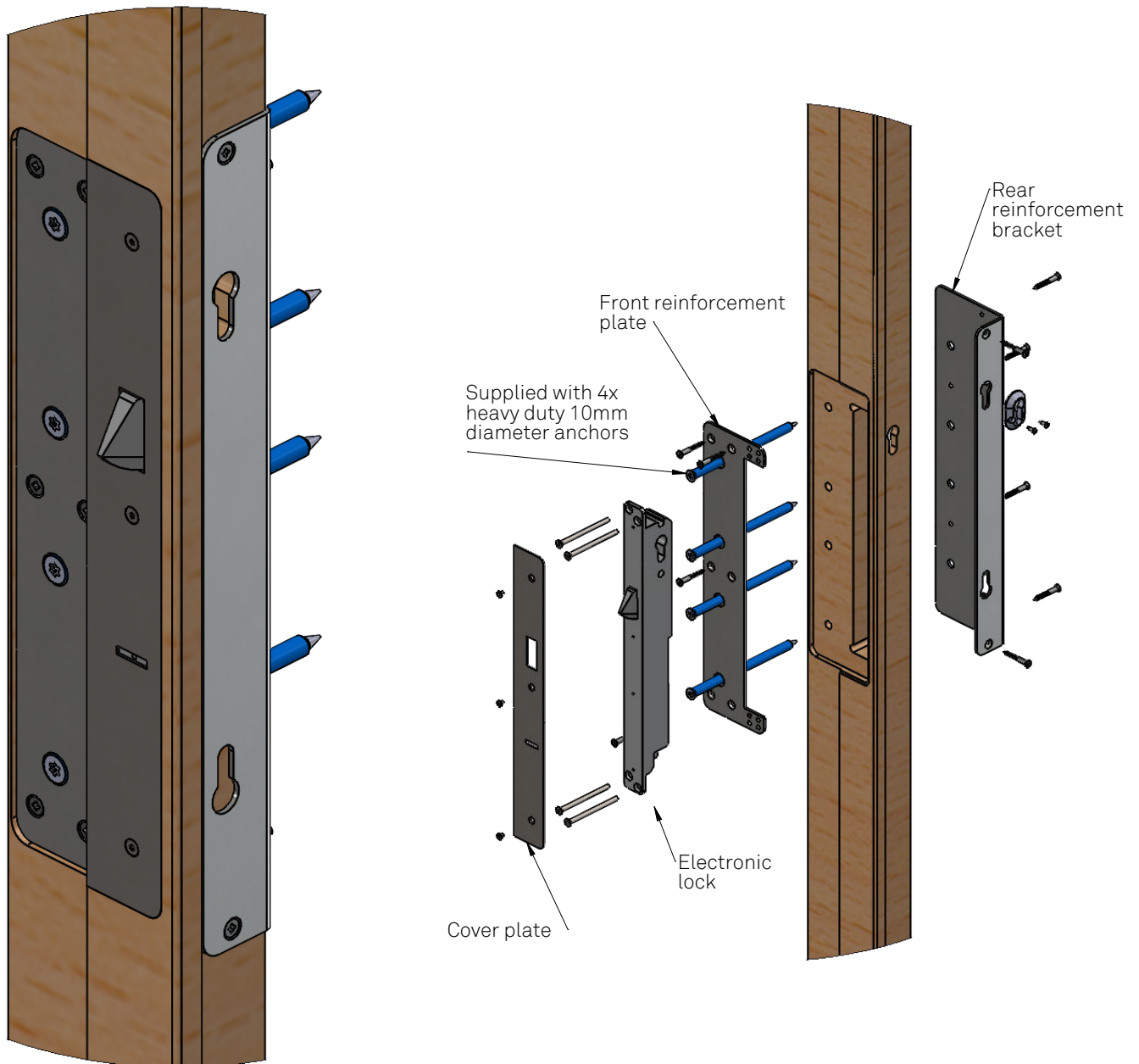
ELECTRONIC LOCKING OPTION 1 - SINGLE LOCK



ELECTRONIC LOCKING OPTION 1 - TRIPLE LOCK



ELECTRONIC LOCKING - REINFORCEMENT



TECHNICAL SPECIFICATIONS – ELECTRONIC LOCKS

- Voltage 24V DC Consumption 2,35A activation current - 130mA holding current
- Fail safe (= unlocked without power) OR Fail secure (= locked without power)
- Backset 30mm
- Adjustable strike plate
- Locking components, housing and striker plate in stainless steel
- Back up mechanical unlocking by 61mm europrofile cylinder
- Unlocking Access control makes contact between pin 2 and 3 on the lock, the bolt retracts by spring force
- Automatic locking Electrically, each time the door closes
- Signalisation Position of the door (open/closed) and position of the bolt (unlocked/locked) as well as the use of the cylinder, transistors switch actively to GND (24V DC / max. 100mA)
- Resistance of the bolt 40,000N side load (measured directly on the bolt)
- Throw of the bolt 20mm (in less than 100 milliseconds)
- Temperature resistance range -25°C to +70°C
- Certification EN 14846:2008 (classification 3 M 9 0 0 L 7 1 1)
- DIN 18251-deel 1 (class 5)
- DIN EN 12209 (class 7)
- DIN V ENV 1627 (class 6)

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