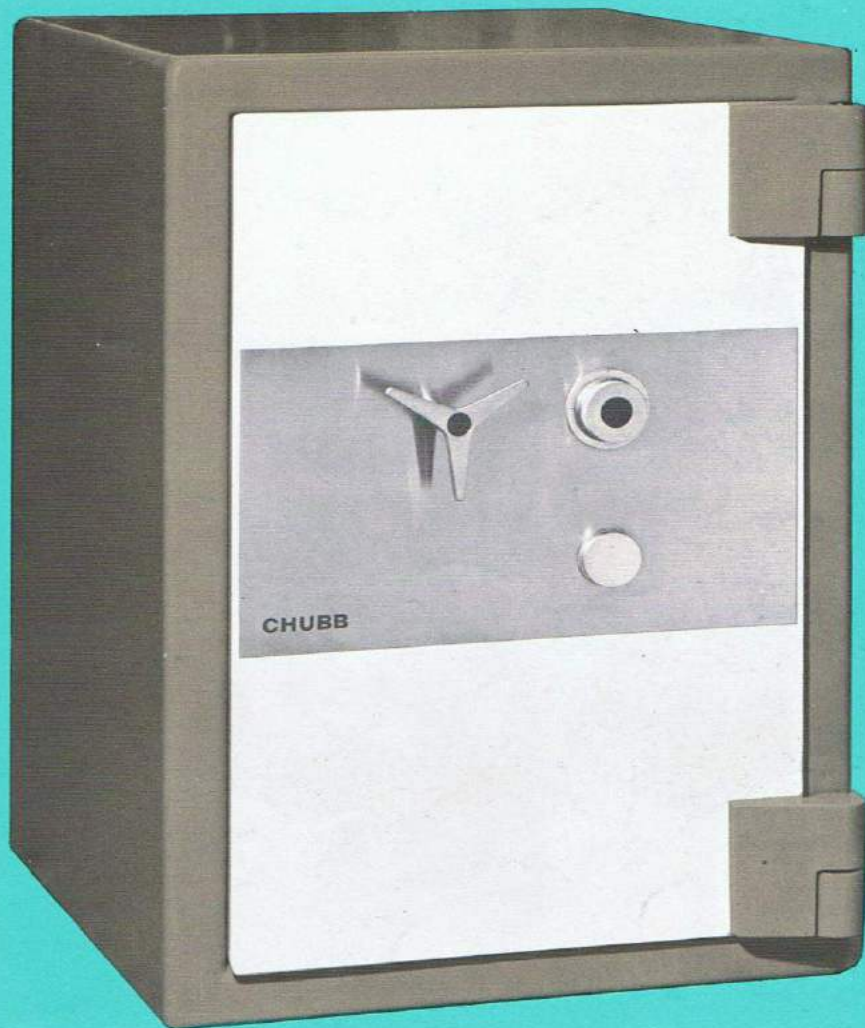


CHUBB

Vanguard safe



Vanguard Safe

Modern techniques versus modern criminals - the philosophy behind the Chubb Vanguard Safe.

Today's criminal is practised in up-to-the-minute metal cutting techniques, skilled in the use of explosives and an experienced operator with an armoury more extensive, lethal and scientific than ever before.

It is science that has given the criminal these new opportunities and it is science that has given the safemaker the means to combat them.

Features of Construction

The Chubb Vanguard Safe is a product of exhaustive research into protective materials and techniques. The core of its protection is Chubb Torch and Drill Resisting material, a composite with a matrix of thermal strength and toughness incorporating inclusions to resist drilling.

Advanced manufacturing techniques have enabled Chubb engineers to produce a safe body in a single cast unit of consistent strength. Added to this is Chubb Isolator boltwork, a revolutionary design of locking mechanism which not only provides highly sophisticated drill protection but incorporates advanced techniques for protection against explosive attack.

Specification

Door

The Door is 7½ in (190mm) thick overall. Rectangular, it is constructed from outer and inner steel plates continuously welded to form a single structure, and enclosing a solid layer of Chubb Torch and Drill Resisting material to produce a total metal thickness of 2¾ in (73mm). This material offers great resistance to all forms of oxygen cutting apparatus as well as drills and forcing tools.

In special areas over the door face immediately in front of the locks and locking mechanism, extra protection is incorporated to further strengthen the drill resisting qualities of the door structure.

The door is hung on hardened steel pivots with hinges of modern design.

Boltwork and Locking

Heavy cylindrical sliding bolts, 1½ in (38mm) diameter, extend from all four sides of the door to ensure a solidarity with the body. The number of bolts at each side varies between three and five, according to safe size whilst there are always two at top and bottom, an important feature in resisting explosive attack.

On turning the key of the Chubb 8-lever keylock or locking the Chubb 4-code keyless combination lock, the bolt throwing mechanism is disconnected from the bolt operating handle.

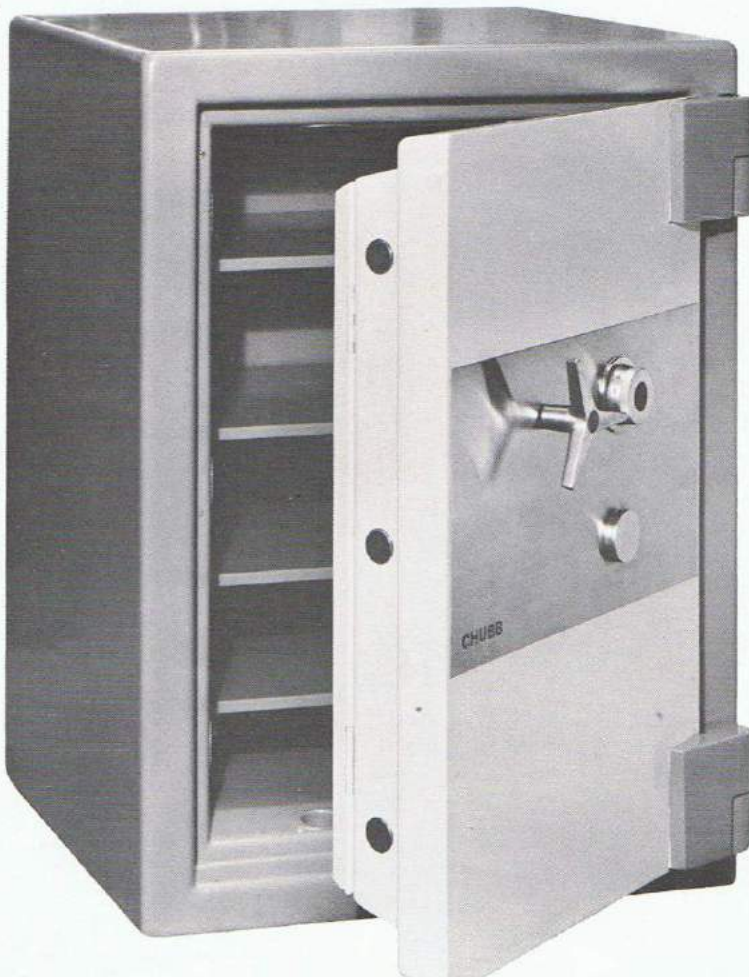
Any attempt to force an entry by dislodging the lock (particularly by an explosive charge in the keyhole) is thereby defeated since, with the drive disengaged, there is no means of retracting the 4-way main bolts. A glass relocking device amongst other devices is incorporated in the locking mechanism to ensure that the bolt throwing mechanism remains positively locked in the extended position under various types of attack.

Body

By enclosing the 1 in (25mm) monolith of Chubb Torch and Drill Resisting material in a single unit outer steel body, a safe body of great strength is produced. The outer steel body itself is constructed by the latest forming process coupled with the most up-to-date steel welding techniques. The total solid metal thickness forming the body of the safe is 1⅞ in (34mm).

Finish

Light and dark biscuit enamels are used in a high quality finish, other colours being available at extra cost. The three spoked bolt throwing handle is satin chrome plated to blend with the stainless steel control mounting panel, with escutcheons or keyless combination lock dials to match.



Keyless Combination Locks

The use of these locks is strongly recommended. They can be fitted in place of, or in addition to, a keylock. Each lock is capable of 100,000,000 changes of code. The operation of the lock is simple and quick. The alteration of the code can be effected in a few minutes without any prior reference to Chubb. Being operated by a code, the possibility of keys being copied, lost, stolen or compromised is eliminated. As the code can be changed readily and easily complete security can be maintained over a safe whenever there is a change of staff.

Elimination of a keyhole, a ready-made receptacle for explosive, reduces the possibility of explosive attack. Refinements, such as a dial checklock and anti-observation shield, can be fitted at extra cost.

Fittings

The fittings supports are formed in the sides of the lining, the fittings being designed so that they can be adjusted at $1\frac{1}{8}$ in (27mm) intervals.

The drawers are of steel secured by a keylock with keys in duplicate. The drawers are mounted between two shelves secured to the supports by vertical clips. They are supplied either as one full-width drawer or two drawers side by side. The shelves are of sheet steel flanged and secured to the support by clips.

Timelocks

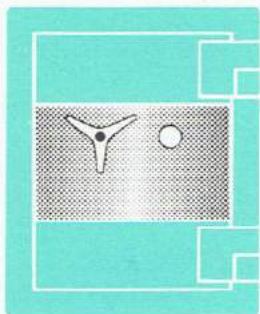
The timelock operates independently of any other form of locking. Pre-set to go off guard at a selected time, the lock prevents a safe from being opened until the correct time is reached, even if the other locks have been unlocked. Both the Chubb electric timelock and mechanical timelock have two movements to preclude non-operation in the event of a breakdown of one of the movements, as it is only necessary for one movement to operate the lock.

The electric timelock permits the programming of opening times for a week in advance and its power supply is by means of a Mallory single cell battery. The mechanical timelock can be programmed for periods up to five days.

Space does not permit the fitting of a timelock in a Chubb Vanguard Safe size 2215. All other sizes are prepared to receive a timelock.

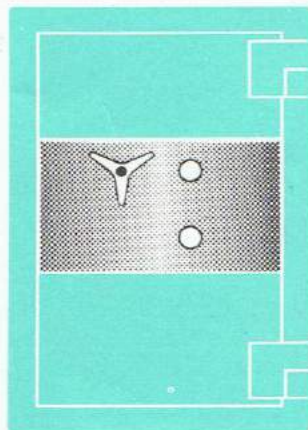
Cupboards

Cupboards are constructed of sheet steel suitably reinforced and secured by a keylock with keys in duplicate. The internal height of the cupboard can be made to suit the client's exact requirements. The most common sizes are 12in (305mm) and 15in (381mm) high inside. The overall width of all cupboards is 1in (25mm) less than the internal width of the safe, the overall depth of all cupboards being 1in (25mm) less than the internal depth of the safe.



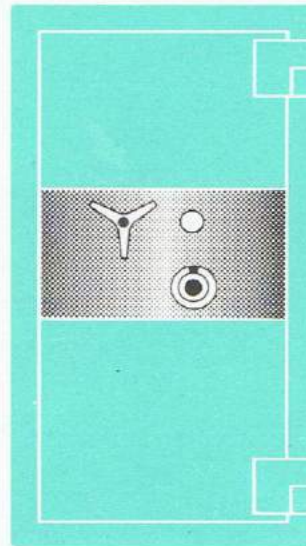
Size 2215

Outside		
High	31in	787mm
Wide	24½in	622mm
Deep	26½in	673mm



Size 3420

Outside		
High	43in	1092mm
Wide	29½in	749mm
Deep	30½in	775mm



Size 4620

Outside		
High	55in	1397mm
Wide	29½in	749mm
Deep	30½in	775mm