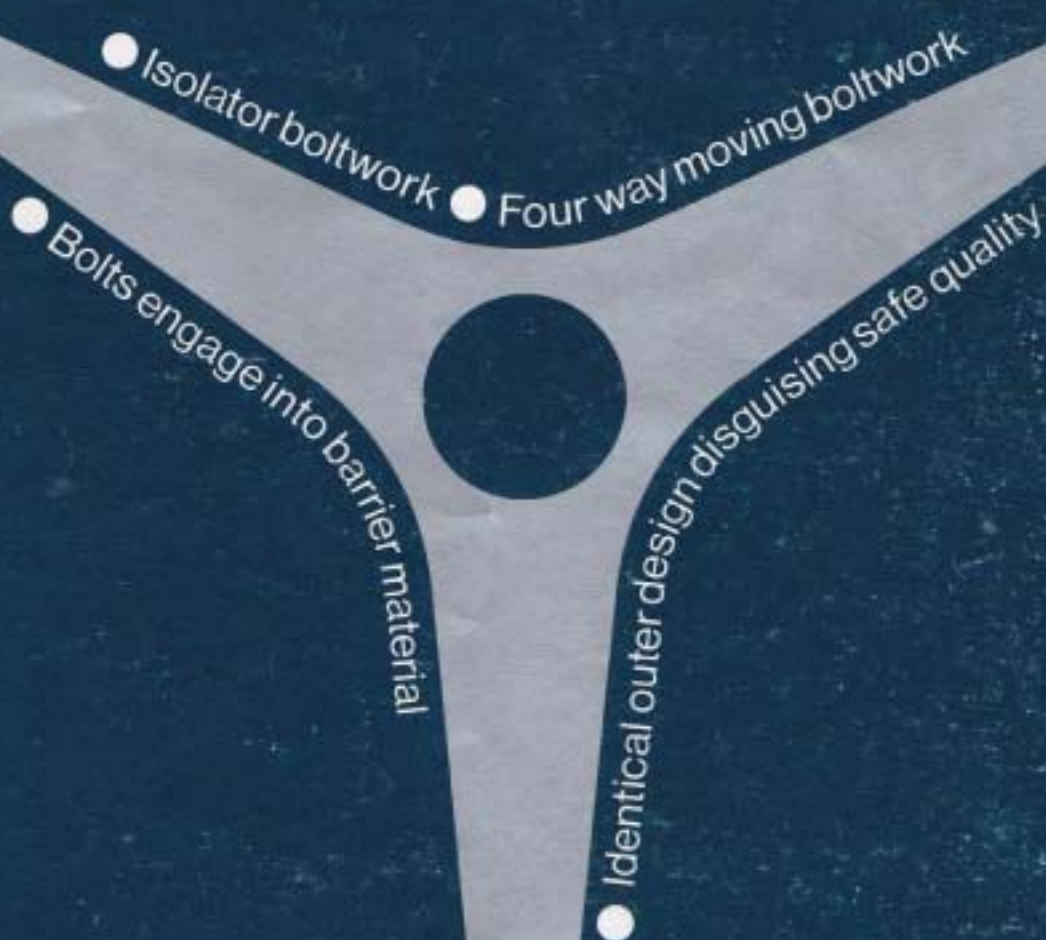


# Chubb

## Resolute Safe

Four essentials for quality safes

- 
- Isolator boltwork
  - Four way moving boltwork
  - Bolts engage into barrier material
  - Identical outer design disguising safe quality



The art of successful safemaking is to know your enemy. Continuous and extensive research is necessary so that new developments in methods of attack can be anticipated in time for a suitable barrier or device to be included in the safemaking process. Though today's criminal uses sophisticated weapons and techniques to achieve his aim, it is time, combined with the skill of the safemaker that defeats him. The safemaker's aim is therefore to put sufficient barriers to confront the burglar so that time runs out for him before he can break the safe.

It is the relentless pursuit of this aim that has made the name of Chubb synonymous with security for over 150 years. The Resolute Safe has been produced as a result of a breakthrough in the development of barrier materials and manufacturing techniques. Its defence is made up of Torch and Drill Resisting Material in the door whilst the body is protected by Chubb Formulation 43, a new material combining thermal strength and toughness with high drill resistance.

## Resolute Safe

### Special Security Features



#### Isolator boltwork

The Isolator unit, which is unique to Chubb, breaks the connection between bolt throwing handle and bolts every time the safe is locked. This means that the handle can spin quite freely, independently of any part of the mechanism. The system has condensed the lock and bolt mechanisms into a very small area enabling Chubb to protect the vital parts with an expensive and patented drill resistant barrier. Incorporated in the system are a number of "live" and "dead" relocking devices.



#### Four way moving boltwork and bolts engaging into body material

The heavy sliding bolts extend from both sides, the top and the bottom of the door to engage right into the barrier material forming the body shell. This ensures that when closed the door becomes an integral part with the body. A system of interlocking straps ensures that no one set of bolts can be moved independently of the others. Thus an attack to gain control of one set of bolts only serves to set off a relocking device which makes it even more difficult to succeed in opening the door.

#### Identical outer design disguising safe quality

It is part of Chubb's security policy to give nothing away to the criminal. For this reason the design and furniture are exactly the same as all the other Chubb safes from Renown to Bankers Treasury. By looking at the closed safe it is therefore not possible to determine the quality.





## Specification

### Door

The Door is 188 mm (7.4 in) thick overall. Rectangular. It is constructed from outer and inner steel plates continuously welded to form a single structure, and enclosing a layer of Chubb Torch and Drill Resisting material to produce a total metal thickness of 62 mm (2.44 in). 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, 38 mm (1.5 in) diameter, extend from all four sides of the door and engage into recesses in the body shell so as to ensure complete 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 designed into the locking mechanism to ensure that the bolt throwing mechanism remains positively locked in the extended position under various types of attack.

### Body

The outer body is constructed from 5 mm steel plate using the latest forming process coupled with modern welding techniques. The inner lining is of 10 mm steel plate similarly constructed. The outer body material is continued into the door aperture. It is joined to the inner lining behind the bolts which engage through the body and lining plates into the formidable barrier of Chubb Formulation 43 material filling the body, and providing an overall minimum thickness of 105mm (4.13in).

### Design and Finish

Light and dark grey 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 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 explosives, 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 welded to the sides of the lining, the fittings being designed so that they can be adjusted at 27 mm (1.06 in) 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

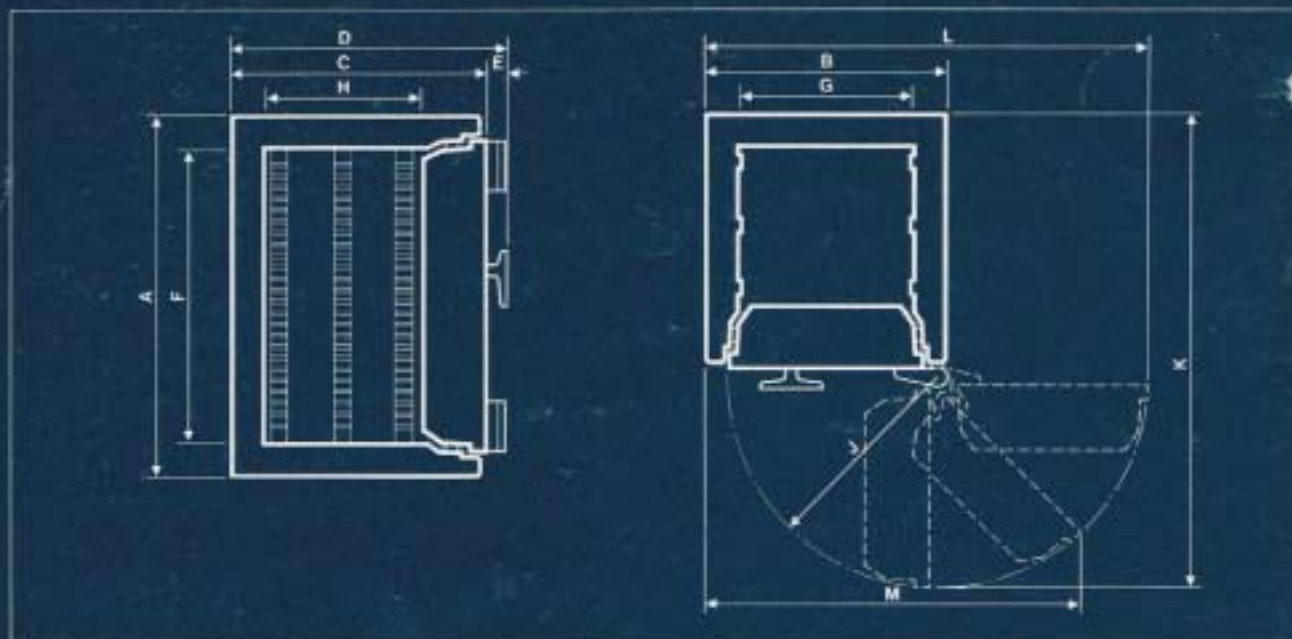
The timelock operates independently of any other form of locking. Pre-set to go off guard at a selected time, the lock prevents a safe from being opened until the correct time is reached, even if the other locks have been unlocked. The Chubb mechanical timelock has two movements to preclude non-operation in the event of a breakdown of one of the movements, as it is only necessary for one movement to operate the lock. Space does not permit the fitting of a timelock in a Chubb Resolute Safe size 2215. All other sizes are prepared to receive a timelock.

### Cupboards

Cupboards are constructed of sheet steel suitably reinforced and secured by keylocking with keys in duplicate. The internal height of the cupboard can be made to suit the client's requirements at extra cost.

The standard cupboard sizes are shown overleaf.





Safes are made to commercial tolerances and the dimensions in the table are nominal.



Safe description	2215		3420		4620		5520	
Reference and dimensions	mm	ins	mm	ins	mm	ins	mm	ins
A Clear outside height	787	30.98	1092	42.99	1397	55.00	1626	64.02
B Clear outside width	622	24.49	749	29.49	749	29.49	749	29.49
C Clear outside depth	667	26.26	768	30.24	768	30.24	768	30.24
D Clear outside depth over furniture	737	29.00	838	33.00	838	33.00	838	33.00
E Furniture projection	57	2.25	57	2.25	57	2.25	57	2.25
F Clear inside height	562	22.13	867	34.13	1172	46.14	1400	55.12
G Clear inside width	380	14.96	508	20.00	508	20.00	508	20.00
H Clear inside depth	381	15.00	482	18.98	482	18.98	482	18.98
J Door swing	530	20.87	650	25.60	650	25.60	650	25.60
K Overall depth with door at 90°	1220	48.03	1450	57.09	1450	57.09	1450	57.09
L Overall width when door is fully open	1120	44.09	1370	53.94	1370	53.94	1370	53.94
M Minimum overall width to give clear entry	915	36.02	1125	44.29	1125	44.29	1125	44.29
Internal cubic capacity	0.086m³ 3.04ft³		0.222m³ 7.82ft³		0.300m³ 10.56ft³		0.357m³ 12.63ft³	
Shipping particulars	mm	ins	mm	ins	mm	ins	mm	ins
Case height	914	36.00	1270	50.00	1575	62.00	1803	71.00
Case width	762	30.00	914	36.00	914	36.00	914	36.00
Case depth	889	35.00	1016	40.00	1016	40.00	1016	40.00
Weight nett	778kg	15.3cwt	1241kg	24.4cwt	1510kg	29.7cwt	1731kg	34.1cwt
Weight gross	827kg	16.3cwt	1317kg	25.9cwt	1599kg	31.5cwt	1883kg	37.1cwt

Chubb policy is one of constant improvement. We therefore reserve the right to alter any part of the specification outlined in this publication without incurring any obligation.

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Printed in England Reference number 497/1

#### Cupboards

##### Safe

2215

3420, 4620 & 5520

##### Inside size of cupboard

##### Height

229mm 9.00in  
or 305mm 12.00in  
or 406mm 16.00in

305mm 12.00in  
or 406mm 16.00in  
or 584mm 23.00in

##### Width

381mm 15.00in  
381mm 15.00in  
381mm 15.00in

508mm 20.00in  
508mm 20.00in  
508mm 20.00in

##### Locking

1 keylock  
1 keylock  
1 keylock

1 keylock  
1 keylock  
2 keylocks