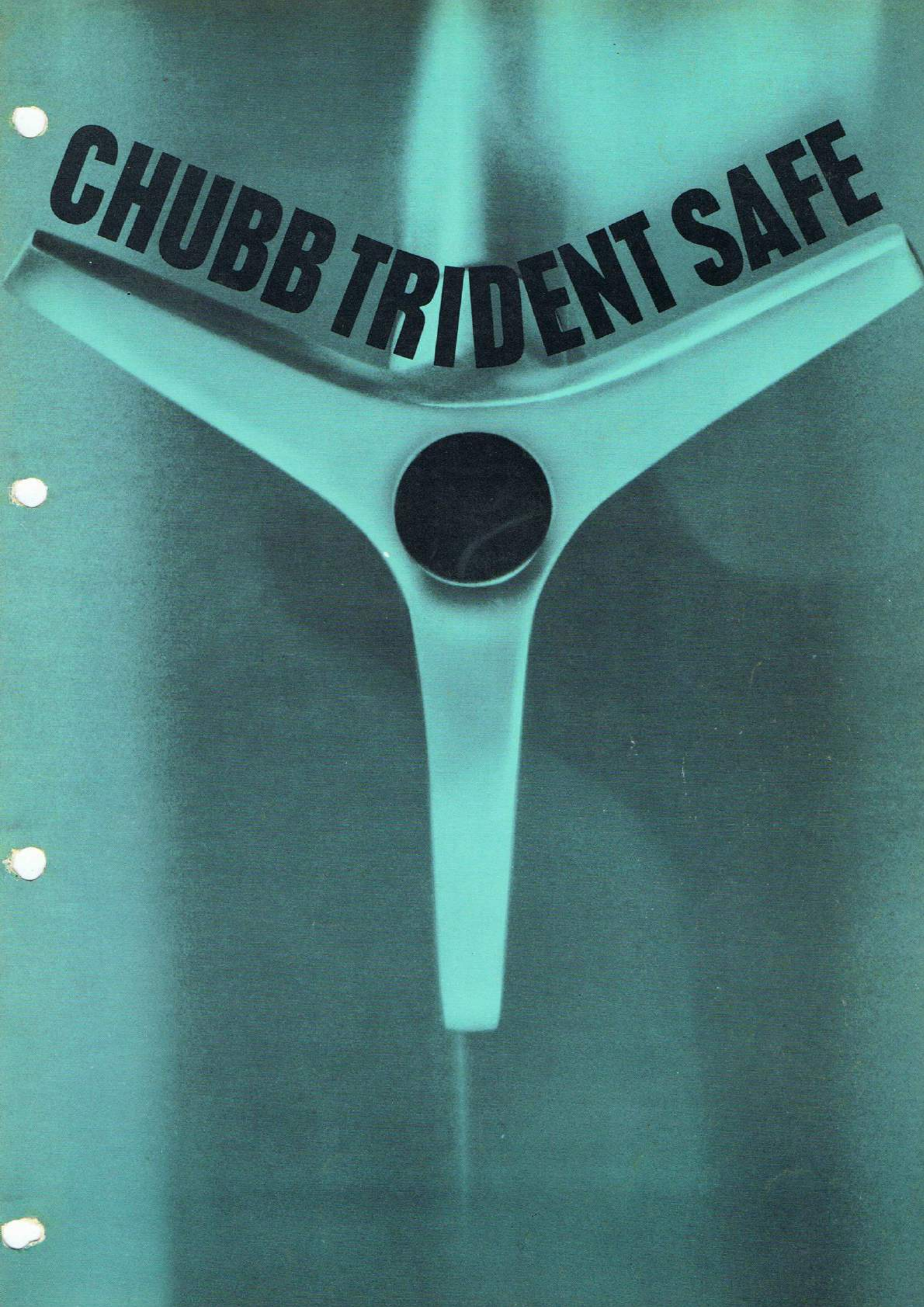

CHUBB TRIDENT SAFE

Chubb Trident Safe

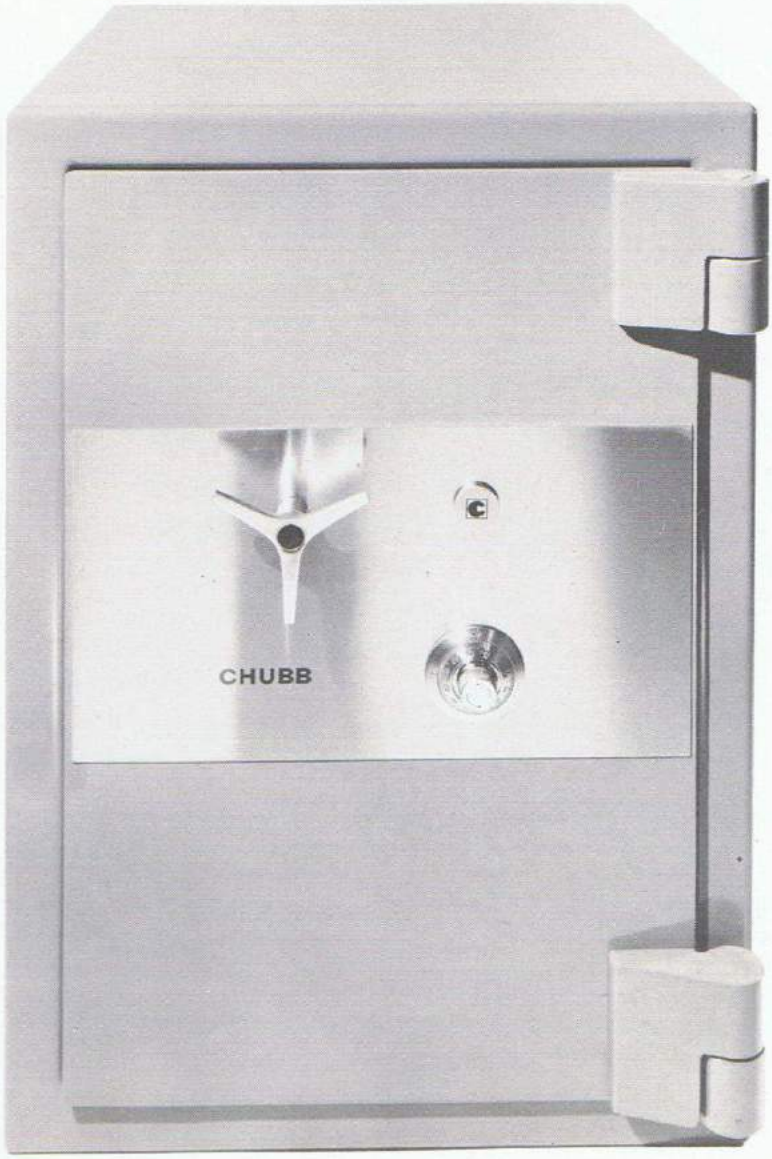
Modern techniques versus modern criminals – the philosophy behind the Chubb Trident safe.

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.

The Chubb Trident 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 toughnesss 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.



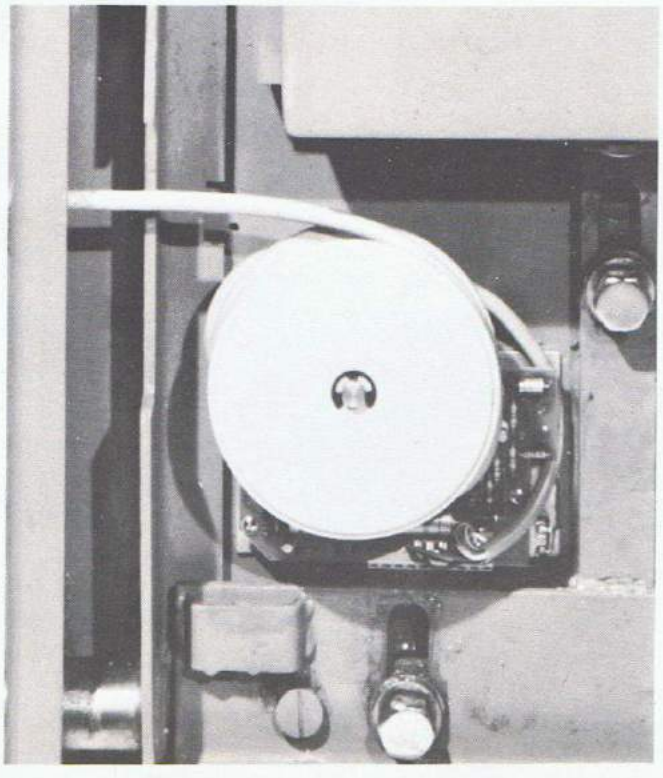
Specification

Door The door is 7½in 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 2⅞in 73mm. This material offers great resistance to 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.
A hinged chamber, containing Chubb fire resisting material,is fitted to the back of the door.
The door is hung on hardened steel pivots with hinges of modern design.

Body By enclosing the 2in 51mm 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 2$\frac{11}{16}$in 68mm.

Boltwork and locking Heavy cylindrical sliding bolts, 1½in 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 7-lever keylock or locking the Chubb 4-code keyless combination lock, the bolt throwing mechanism is disconnected from the external handwheel.
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.
All safes, with the exception of size 2215, are prepared to receive a Burgoguard alarm unit in the lockcase. This alarm, manufactured by Chubb Alarms Limited—illustrated below—is an acoustic device responding to both sounds and vibrations.

Finish Light and medium grey enamels are used in a high quality finish, other colours being available at extra cost.
The bolt throwing handwheel 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.

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 electric timelock has two movements to preclude non-operation in the event of breakdown of one of the movements as it is only necessary for one movement to operate the lock. This lock permits the programming of opening times for a week in advance and its power supply is by means of a Mallory single cell battery.
Space does not permit the fitting of a timelock in a Chubb Trident 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.

Fittings The fittings supports are formed in the sides of the lining, the fittings being designed so that they can be adjusted at 1$\frac{1}{16}$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.

Sizes of Drawers

	inside size of drawer		
	high	wide	
		full width	half width
2215	4in	13⅞in	6½in
	102mm	352mm	165mm
3420	4in	18⅞in	8$\frac{15}{16}$in
4620	102mm	479mm	227mm
5520	or		
6428	6in	18⅞in	8$\frac{15}{16}$in
	152mm	479mm	227mm
	fitment overall		
	deep	high	
2215	12$\frac{5}{16}$in	5⅝in	
	312mm	143mm	
3420	16$\frac{5}{16}$in	5⅝in	
4620	414mm	143mm	
5520	16$\frac{5}{16}$in	7⅝in	
6428	414mm	194mm	

Safe 2215

outside body			inside body		
high	wide	deep	high	wide	deep
31″	**24½″**	**26½″**	**22″**	**15″**	**15″**
·788m	·623m	·674m	·558m	·381m	·381m

net weight **13¾cwt** 694kg

gross weight **14¾cwt** 745kg

	high	wide	deep
size of case	**36″**	**30″**	**33″**
	·914m	·762m	·838m

internal cubic capacity **2·86 cu ft** ·081 cu m

Safe 3420

outside body			inside body		
high	wide	deep	high	wide	deep
43″	**29½″**	**30½″**	**34″**	**20″**	**19″**
1·092m	·750m	·775m	·863m	·508m	·482m

net weight **22½cwt** 1143kg

gross weight **24cwt** 1219kg

	high	wide	deep
size of case	**50″**	**36″**	**39″**
	1·270m	·914m	·990m

internal cubic capacity **7·47 cu ft** ·211 cu m

Safe 4620

outside body			inside body		
high	wide	deep	high	wide	deep
55″	**29½″**	**30½″**	**46″**	**20″**	**19″**
1·397m	·750m	·775m	1·168m	·508m	·482m

net weight **27¾cwt** 1435kg

gross weight **29½cwt** 1577kg

	high	wide	deep
size of case	**62″**	**36″**	**39″**
	1·574m	·914m	·990m

internal cubic capacity **10·11 cu ft** ·285 cu m

Safe 5520

outside body			inside body		
high	wide	deep	high	wide	deep
64″	**29½″**	**30½″**	**55″**	**20″**	**19″**
1·626m	·750m	·775m	1·397m	·508m	·482m

net weight **32cwt** 1626kg

gross weight **35cwt** 1778kg

	high	wide	deep
size of case	**71″**	**36″**	**39″**
	1·803m	·914m	·990m

internal cubic capacity **12·09 cu ft** ·342 cu m

Safe 6428/17

outside body			inside body		
high	wide	deep	high	wide	deep
73″	**37½″**	**28½″**	**64″**	**28″**	**17″**
1·855m	·953m	·724m	1·625m	·711m	·432m

net weight **41cwt** 2082kg

gross weight **46cwt** 2345kg

	high	wide	deep
size of case	**82″**	**47″**	**40″**
	2·082m	1·193m	1·016m

internal cubic capacity **17·6 cu ft** ·499 cu m

Safe 6428/21

outside body			inside body		
high	wide	deep	high	wide	deep
73″	**37½″**	**32½″**	**64″**	**28″**	**21″**
1·855m	·953m	·826m	1·625m	·711m	·533m

net weight **44cwt** 2235kg

gross weight **49cwt** 2500kg

	high	wide	deep
size of case	**82″**	**47″**	**44″**
	2·082m	1·193m	1·118m

internal cubic capacity **21·7 cu ft** ·615 cu m

Note Projection of the bolt throwing handle is 2½in 64mm from the front face of the door.

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

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