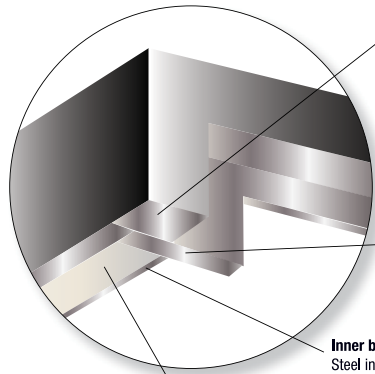


# Building a Graffunder Safe



**Outside door frame:** Solid steel continuously welded to the safe body

**Body frame:** Solid 3/4-inch-thick steel frame continuously welded to the safe body provides maximum protection against pry attack. Inner body of 60" models made of 16 gauge steel. Inner body of 72" models made of 14 gauge steel

**Inner body:** Steel inner body

**Fire liner:** 1 1/2-inch-thick proprietary high-density, cement-based composite material.

**Fire Rating:** 1,750° for 1 hour.

**Outer body construction:** Up to 1-inch-thick solid steel plate, continuously welded

**Door:** Up to 1 1/2-inch-thick solid steel-plate door, precision fit to Graffunders' industry-leading design. Together with two high-temperature heat and smoke seals.



**Bolt rail:** Solid 1/2-inch-thick steel welded to the solid steel-plate door with ultra-tight bolt clearances to maintain door integrity in the event of a fire or pry attack.

**Inside the door:** Gear drive-bolt system assures a lifetime of trouble-free operation. While randomly located relocaters, combined with our encased lock well, provide maximum protection against drill and punch attacks.

**Door:** Up to 1 1/2-inch-thick solid steel-plate door, precision fit to Graffunders' industry-leading design. 1 1/4-inch solid stainless steel door bolts

**Hinges:** Massive solid steel hinges pivoting on thrust bearings and a solid, hardened hinge pin guarantee trouble-free operation.



## Vault Doors Specifications

Due to the nature of our vault doors and their applications, most aspects of these products are highly customizable. Therefore, these specifications are intended to be used as a general idea of how costs relate to sizes, ratings, etc. For specific information, please contact a Graffunder representative.

Outswing Series	Rough Opening	Clear Opening	Weight
	H" x W"	H" x W"	
VB7834	78 x 34	72 x 26	1,300
VB8240	82 x 40	76 x 32	1,500

Outswing Series	Rough Opening	Clear Opening	Weight
	H" x W"	H" x W"	
VC7834	78 x 34	71 1/2 x 25 1/2	1,800
VC8240	82 x 40	75 1/2 x 31 1/2	2,050

Outswing Series	Rough Opening	Clear Opening	Weight
	H" x W"	H" x W"	
VE7834	78 x 34	71 1/2 x 25 1/2	2,300
VE8240	82 x 40	75 1/2 x 31 1/2	2,625

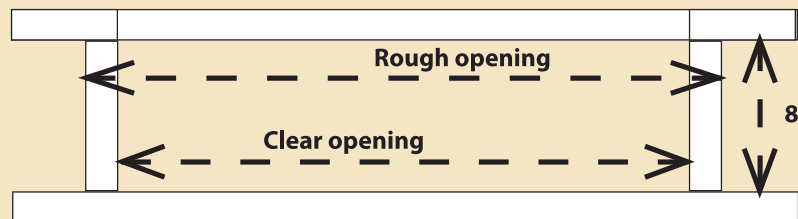
Outswing Series	Rough Opening	Clear Opening	Weight
	H" x W"	H" x W"	
VF7834	78 x 34	71 1/2 x 25 1/2	2,300
VF8240	82 x 40	75 1/2 x 31 1/2	2,625



Inswing door shown.

- Standard model includes:**
- Outswing Door
  - Texture paint
  - Three-spoke handle
  - Group II UL-listed combination lock (Bishop and Castle Series)
  - Group I UL-listed combination lock (Emperor and Fortress Series)

### Vault door viewed from the top



# Graffunder

SAFE AND VAULT



*"Old World Craftsmanship,  
New World Technology"*

*Gun safes of superior  
quality and beauty*  
Hand crafted since 1968

\*Add 2 1/4" to safe depth for hinges and hardware

509.457.1801 • Toll free 866.457.1801 • Fax 509.457.1637 • [graffundersafes.com](http://graffundersafes.com) • [info@graffundersafes.com](mailto:info@graffundersafes.com)

Graffunder registered in U.S. patents office.



# Weapon and Multipurpose Safes

**B-RATE CONSTRUCTION:** 1 3/4" overall body constructed of 1/4" A36 high tensile steel outer and 14 & 16 ga. inner plates enclosing a high density composite material. 3 1/2" overall door insulated with U.L. approved insulating material, outer plate being 1/2" thick A36 high tensile steel.

**C-RATE CONSTRUCTION:** 2" overall body constructed of 1/2" A36 high tensile steel outer and 14 & 16 ga. inner plates enclosing a high density composite material. 4" overall door insulated with U.L. approved insulating material, outer plate being 1" thick A36 high tensile steel.

**E-RATE CONSTRUCTION:** 2 1/2" overall body constructed of 1" A36 high tensile steel outer and 14 & 16 ga. inner plates enclosing a high density composite material. 4 1/2" overall door insulated with U.L. approved insulating material, outer plate being 1 1/2" thick A36 high tensile steel.

**F-RATE CONSTRUCTION:** 2 1/2" overall body constructed of 1" A36 high tensile steel outer and 14 & 16 ga. inner plates enclosing a high density composite material. 4 1/2" overall door insulated with U.L. approved insulating material, outer plate being 1 1/2" thick A36 high tensile steel and 1/2" Manganese.

- 1 - hour 1750 degree factory fire rating
- 8 to 10 solid 1 1/4" stainless steel locking bolts, active front and back to prevent door removal after hinge attack
- U.L. listed group II combination lock, with re-lock and 1 million possible combinations
- Additional relocking devices activated by tool and/or torch attack for added security
- Lock protected by Ball Bearing Anti Drill Barrier
- Fully recessed, tightly toleranced door for protection against forced entry
- High temperature heat seal door jam with additional intumescent fire and smoke seal
- Hardened hinge pins that ride on thrust bearing washers
- Attractive paint finishers to choose from
- Variety of interiors to choose from
- All safes covered by limited lifetime warranty

## ADDITIONAL FEATURES OF E and F RATE AS FOLLOWS:

- U.L. approved Group 1 & 1R manipulation proof lock
- Additional anti-drill barrier
- Anti-drill barrier protects bolts from punching attack

Please contact us for more details. Any model can be designed to your specifications. Sage Safe Co. can also manufacture safes and vault doors at higher burglary ratings.

# Specifications at a Glance

MODEL	Exterior Dimensions				VOLUME (cu. ft)		GUN CAPACITY BY INTERIOR SETUP						
	Height	Width	Depth	Weight	Exterior	Interior	#2	#3	#4	#5	#6S	#6E	#6C
F6026	60	27.5	25.00	2,700	23	12	9	21	12	12	18	24	21
F6032	60	33.5	25.00	3,200	29	16	15	27	12	24	24	24	24
F6028	60	29.5	31.00	3,700	31	18	16	32	16	16	32	32	32
F7232	72	33.5	25.00	4,200	34	19	15	27	12	24	24	24	24
F6040	60	41.5	29.25	3,900	42	25	24	48	14	28	40	32	36
F7240	72	41.5	29.25	4,800	50	30	24	48	14	28	40	32	36
F7248	72	49.5	29.25	5,400	60	37	32	64	28	48	48	48	48

**FORTRESS**

MODEL	Exterior Dimensions				VOLUME (cu. ft)		GUN CAPACITY BY INTERIOR SETUP						
	Height	Width	Depth	Weight	Exterior	Interior	#2	#3	#4	#5	#6S	#6E	#6C
E6026	60	27.5	25.00	2,700	23	12	9	21	12	12	18	24	21
E6032	60	33.5	25.00	3,200	29	16	15	27	12	24	24	24	24
E6028	60	29.5	31.00	3,700	31	18	16	32	16	16	32	32	32
E7232	72	33.5	25.00	4,200	34	19	15	27	12	24	24	24	24
E6040	60	41.5	29.25	3,900	42	25	24	48	14	28	40	32	36
E7240	72	41.5	29.25	4,800	50	30	24	48	14	28	40	32	36
E7248	72	49.5	29.25	5,400	60	37	32	64	28	48	48	48	48

**EMPEROR**

MODEL	Exterior Dimensions				VOLUME (cu. ft)		GUN CAPACITY BY INTERIOR SETUP						
	Height	Width	Depth	Weight	Exterior	Interior	#2	#3	#4	#5	#6S	#6E	#6C
C6026	59	26.5	23.75	1,800	21	12	9	21	12	12	18	24	21
C6032	59	32.5	23.75	2,070	26	16	15	27	12	24	24	24	24
C6028	59	28.5	30.00	2,400	29	18	16	32	16	16	32	32	32
C7232	71	32.5	24.00	2,420	32	19	15	27	12	24	24	24	24
C6040	59	40.5	28.25	2,825	39	25	24	48	14	28	40	32	36
C7240	71	40.5	28.25	3,025	47	30	24	48	14	28	40	32	36
C7248	71	48.5	28.25	3,600	56	37	32	64	28	48	48	48	48

**CASTLE**

MODEL	Exterior Dimensions				VOLUME (cu. ft)		GUN CAPACITY BY INTERIOR SETUP						
	Height	Width	Depth	Weight	Exterior	Interior	#2	#3	#4	#5	#6S	#6E	#6C
B6026	58.5	26	23.25	1,225	20	12	9	21	12	12	18	24	21
B6032	58.5	32	23.25	1,350	25	16	15	27	12	24	24	24	24
B6028	58.5	28	29.25	1,490	27	18	16	32	16	16	32	32	32
B7232	70.5	32	23.25	1,670	30	19	15	27	12	24	24	24	24
B6040	58.5	40	27.50	1,790	37	25	24	48	14	28	40	32	36
B7240	70.5	40	27.50	2,100	44	30	24	48	14	28	40	32	36
B7248	70.5	48	27.50	2,340	53	37	32	64	28	48	48	48	48

**BISHOP**

\*Add 2 1/4" to safe depth for hinges and hardware

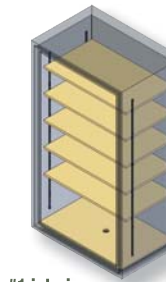
6S = Sportsman    6E = Easy Access    6C = Combo (Sportsman & Easy Access)

Graffunder registered in U.S. patents office.

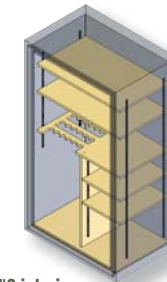
# Safe Interiors

Models 26 inches to 41 1/2 inches Wide

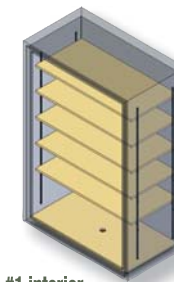
Models 48 to 49 1/2 inches Wide



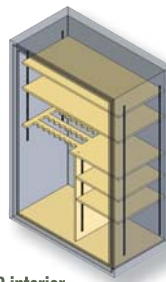
#1 interior



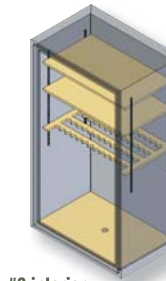
#2 interior



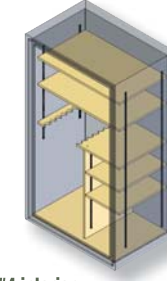
#1 interior



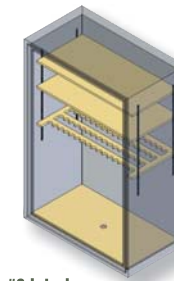
#2 interior



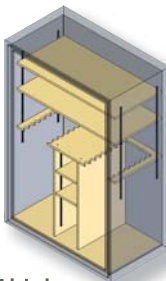
#3 interior



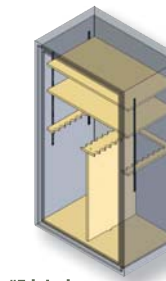
#4 interior



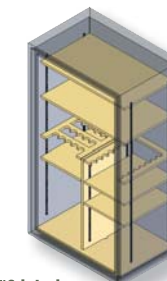
#3 interior



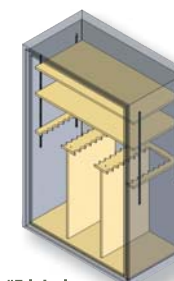
#4 interior



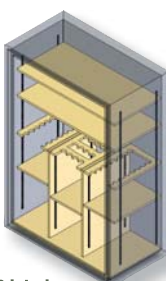
#5 interior



#6 interior



#5 interior



#6 interior

# Graffunder

SAFES AND VAULT DOORS

"Old World Craftsmanship, New World Technology"