

Vault doors & Record vault doors

Main Product Line-Up

DOOR	MODEL
Vault Door (Swing type)	E3180
	HE2110W
	HE2100W
	HE2100
	HE2100N
	HE2090W
	HE2090S
	HE2090

DOOR	MODEL
Vault Door (Slide type)	SE2110Wb
	SE2110
	SE2110B
	SE2090N

DOOR	MODEL
Record Vault Door (Swing type)	HE1090W
	HE1090
	HE1060

DOOR	MODEL
Record Vault Door (Slide type)	SE1060N

DOOR	MODEL
Emergency Vault Door	M3180
	HM2110Wb
	HM2110b
	HM2100Wb
	HM2100b

DOOR	MODEL
Emergency Record Vault Door	HM1090b

Category and Classification of Burglar-resistance

Designation	Class	Test Time
Anti-torch & Anti-tool (for vault room)	TRTLV-30	30min
	TRTLV-35	35min
	TRTLV-40	40min
	TRTLV-50	50min
	TRTLV-60	60min
	TRTLV-70	70min
	TRTLV-90	90min
	TRTLV-110	110min
	TRTLV-130	130min
	TRTLV-150	150min
Anti-tool (except for vault room)	TLV-15	15min

TR: Torch, TL: Tool, V: Vault

Category and Classification of Fire-resistance

Designation	Class	Test Time	Allowable temperature
Vault room Record vault room (for paper)	0.5PH	30min	Less than 177°C
	1PH	1hour	
	2PH	2hours	
	3PH	3hours	
	4PH	4hours	
Gallery vault room (for cultural property and art)	0.5CH	30min	Less than 80°C
	1CH	1hours	
	2CH	2hours	
	3CH	3hours	
	4CH	4hours	

P: Paper, C: Cultural properties, H: Hour

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		Vault Door				Record Vault Door	
Fire-resistance	4PH	E3180		HE2110W HE2100W HE2100 HE2100N		HE2090W HE2090S HE2090	HE1090W HE1090
			SE2110Wb	SE2110 SE2110B			
		M3180		HM2110Wb HM2110b	HM2100Wb HM2100b		HM1090b
	3PH				SE2090N		
	2PH					HE1060 SE1060N	
		TRTLV-150	TRTLV-110	TRTLV-90	TRTLV-70	TRTLV-60	TLV-15
Burglar-resistance							

E3180



Burglar resistance	TRTLV-150
Fire resistance	4PH
Water proof	5m
Net weight	2450kg
Outer dimensions	W1538 x D702 x H2160mm
Net door thickness	180mm
Overall door thickness	515mm
Vestibule thickness	530mm
Clear opening	W910 x 1975mm
Finish	Hair-lined stainless steel finish

HE2110W



Burglar resistance	TRTLV-90
Fire resistance	4PH
Water proof	7m
Net weight	1300kg
Outer dimensions	W1370 x D475 x H2198mm
Net door thickness	110mm
Overall door thickness	235mm
Vestibule thickness	360mm
Clear opening	W910 x 1975mm
Finish	Hair-lined stainless steel finish

HE2100W



Burglar resistance	TRTLV-90
Fire resistance	4PH
Water proof	7m
Net weight	1110kg
Outer dimensions	W1370 x D360 x H2198mm
Net door thickness	100mm
Overall door thickness	205mm
Vestibule thickness	360mm
Clear opening	W910 x 1975mm
Finish	Hair-lined stainless steel finish

HE2100



Burglar resistance	TRTLV-90
Fire resistance	4PH
Water proof	-
Net weight	1055kg
Outer dimensions	W1370 x D360 x H2198mm
Net door thickness	100mm
Overall door thickness	205mm
Vestibule thickness	360mm
Clear opening	W910 x 1993mm
Finish	Hair-lined stainless steel finish

HE2100N



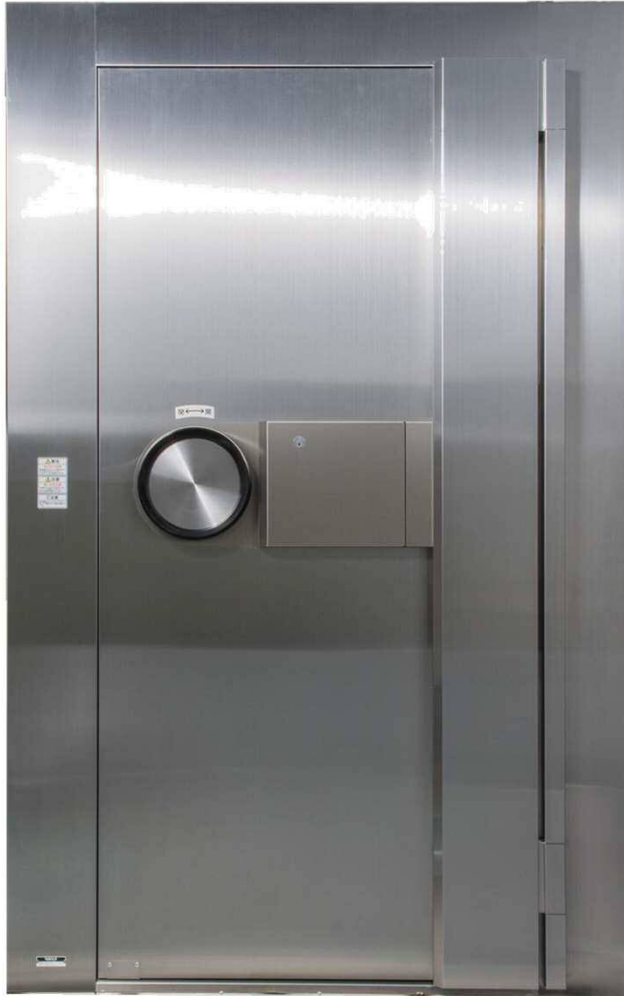
Burglar resistance	TRTLV-90
Fire resistance	4PH
Water proof	-
Net weight	900kg
Outer dimensions	W1235 x D360 x H2198mm
Net door thickness	100mm
Overall door thickness	205mm
Vestibule thickness	360mm
Clear opening	W775 x 1993mm
Finish	Hair-lined stainless steel finish

HE2090W



Burglar resistance	TRTLV-60
Fire resistance	4PH
Water proof	7m
Net weight	860kg
Outer dimensions	W1370 x D360 x H2198mm
Net door thickness	90mm
Overall door thickness	196mm
Vestibule thickness	360mm
Clear opening	W910 x 1993mm
Finish	Rustproof painted finish

HE2090S



Burglar resistance	TRTLV-60
Fire resistance	4PH
Water proof	-
Net weight	880kg
Outer dimensions	W1370 x D360 x H2198mm
Net door thickness	90mm
Overall door thickness	195mm
Vestibule thickness	360mm
Clear opening	W910 x 1993mm
Finish	Hair-lined stainless steel finish

HE2090



Burglar resistance	TRTLV-60
Fire resistance	4PH
Water proof	-
Net weight	815kg
Outer dimensions	W1370 x D360 x H2198mm
Net door thickness	90mm
Overall door thickness	196mm
Vestibule thickness	360mm
Clear opening	W910 x 1993mm
Finish	Rustproof painted finish

SE2110Wb



Burglar resistance	TRTLV-110
Fire resistance	4PH
Water proof	5m
Net weight	2400kg
Outer dimensions	W2500 x D553 x H2231mm
Net door thickness	110mm
Overall door thickness	240mm
Vestibule thickness	553mm
Clear opening	W910 x 1993mm
Finish	Hair-lined stainless steel finish

SE2110



Burglar resistance	TRTLV-90
Fire resistance	4PH
Water proof	-
Net weight	1770kg
Outer dimensions	W2380 x D445 x H2193mm
Net door thickness	110mm
Overall door thickness	215mm
Vestibule thickness	445mm
Clear opening	W910 x 1993mm
Finish	Hair-lined stainless steel finish

SE2110B



Burglar resistance	TRTLV-90
Fire resistance	4PH
Water proof	-
Net weight	1820kg
Outer dimensions	W2380 x D635 x H2193mm
Net door thickness	110mm
Overall door thickness	215mm
Vestibule thickness	635mm
Clear opening	W910 x 1993mm
Finish	Hair-lined stainless steel finish

SE2090N



Burglar resistance	TRTLV-60
Fire resistance	3PH
Water proof	-
Net weight	950kg
Outer dimensions	W2139 x D300 x H2292mm
Net door thickness	90mm
Overall door thickness	195mm
Vestibule thickness	300mm
Clear opening	W910 x 1993mm
Finish	Hair-lined stainless steel finish

HE1090W



Burglar resistance	TLV-15
Fire resistance	4PH
Water proof	7m
Net weight	640kg
Outer dimensions	W1230 x D290 x H2198mm
Net door thickness	90mm
Overall door thickness	196mm
Vestibule thickness	290mm
Clear opening	W910 x 1975mm
Finish	Rustproof painted finish

HE1090



Burglar resistance	TLV-15
Fire resistance	4PH
Water proof	-
Net weight	600kg
Outer dimensions	W1230 x D290 x H2198mm
Net door thickness	90mm
Overall door thickness	196mm
Vestibule thickness	290mm
Clear opening	W910 x 1975mm
Finish	Rustproof painted finish

HE1060



Burglar resistance	TLV-15
Fire resistance	2PH
Water proof	-
Net weight	510kg
Outer dimensions	W1230 x D250 x H2198mm
Net door thickness	60mm
Overall door thickness	166mm
Vestibule thickness	250mm
Clear opening	W910 x 1993mm
Finish	Rustproof painted finish

SE1060N



Burglar resistance	TLV-15
Fire resistance	2PH
Water proof	-
Net weight	640kg
Outer dimensions	W2139 x D270 x H2292mm
Net door thickness	60mm
Overall door thickness	165mm
Vestibule thickness	270mm
Clear opening	W910 x 1993mm
Finish	Rustproof painted finish

Performance Table of Vault Doors

Swing type	Net door thickness	Fire resistance	Burglar resistance	Water proof
E3180	180	4PH	TRTLV-150	5m
HE2110W	110	4PH	TRTLV-90	7m
HE2100W	100	4PH	TRTLV-90	7m
HE2100	100	4PH	TRTLV-90	—
HE2100N	100	4PH	TRTLV-90	—
HE2090W	90	4PH	TRTLV-60	7m
HE2090S	90	4PH	TRTLV-60	—
HE2090	90	4PH	TRTLV-60	—

Slide type	Net door thickness	Fire resistance	Burglar resistance	Water proof
SE2110Wb	110	4PH	TRTLV-110	5m
SE2110	110	4PH	TRTLV-90	—
SE2110M	110	4PH	TRTLV-90	—
SE2110B	110	4PH	TRTLV-90	—
SE2090N	90	3PH	TRTLV-60	—

Swing type	Net door thickness	Fire resistance	Burglar resistance	Water proof
HE1090W	90	4PH	TLV-15	7m
HE1090	90	4PH	TLV-15	—
HE1060	60	2PH	TLV-15	—

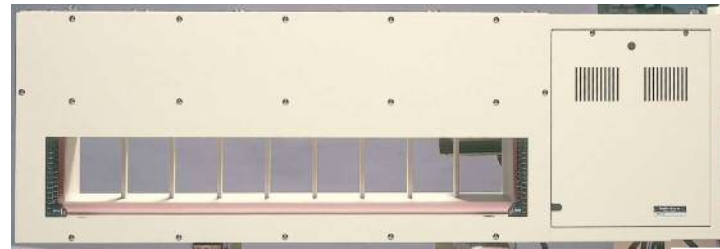
Slide type	Net door thickness	Fire resistance	Burglar resistance	Water proof
SE1060N	60	2PH	TLV-15	—

Emergency Ventilator: EV-7



EV-7 provides fresh air to people locked inside the vault room by an accident or robbers. The ventilator is provided with a motor and a fan unit which deliver 1,300 liter of fresh air per minute. This product is designed to be entirely water-tight structure and can only be operated from inside the vault room.

Duct Damper: SDL-1561b/ SDL-1591b



Duct Damper can ventilate the vault room through this product ordinarily. The optional fan unit works in conjunction with the damper when damper is opened.

In case of fire, Duct Damper closes automatically and shut out the smoke and heat to protect valuables inside the vault room.

