

HOW TO OPERATE



1. Remove the cabinet cover.



4. Enter feet first.



2. Lower the chute.



5. Bend the knees as far as possible and descend with the hip first.



3. Set up the entrance frame.



6. Landing on the ground is shock-free.

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UYEDA ESCAPE CHUTE
CONSTRUCTION CO., LTD.
Manufacturers of the "FIRE ESCAPE CHUTE"

SUPER ACE S-1



FIRE ESCAPE CHUTE FOR VERTICAL DESCENT

STRUCTURE

CHARACTERISTICS

OPERATION

At the time of fire, firstly remove the cabinet cover which contains the chute unit, then open the window (indoor case) and lower the chute body from the bottom capsule gradually to the ground.

When the capsule of the chute reaches the ground and the chute body hangs down in the correct way, push the metal frame upward and extend the frame out of the window.

The average time required for the above operation depends on the height of the building but it is about 1 minute or so.

DESCENT & SAFETY

As soon as the escape chute is completely installed for use check the state of the hanging chute from another window nearby and start descent in the chute.

The chute is made in spiral form in the left turn direction, so try to descend in it turning the body in the left direction.

The speed of descent is about 2 meters or less per second and the speed never exceeds the above limit.

Therefore, no shock is felt during the descent in the chute or at the time when reaching the protecting cushion in the capsule at the bottom of the chute.

This means that the chute assures the highest degree of safety and no danger at all.

Even when many people descend the chute in succession, no clogging at inside the chute. In our experiment 34 persons

descended smoothly one after another in 1 minute from 18m height place.

CHUTE WEIGHT

The weight of the chute is about 1.4Kg/m.

STRENGTH

Every parts and materials of installation bolts, metal fitting parts, chute hardware, chute main body and the joint conditions are designed and made to withstand sufficiently and never broken up to about 1,000Kg force. Such as lifeline, the strength of both side wire is 3,000Kg over per one pc. Therefore the installation construction was good and sure the strength of our product itself must be really safe.

FLAME RESISTANCE ~This specs is added by customer's demand.~

We use "Prevent burn-up treatment" cloth for outer cloth against some spark in a fire. In one side of only nonflammable capacity some excellent fabrics exist as made by glass fiber or carbon fiber. But those clothes are very weak for wear and tear, especially for bend friction its capacity is not sufficient at all, besides the price is very expensive. By these all reasons those clothes are not suited to our products escape chute. Our use cloth has both capacities of enough strength and enough fire resistance, and further the price is reasonable.

DURABILITY

We make our escape chutes using the materials of the highest degree of durability selected out of various materials so that our chutes are excellent in durability, weather resistance etc.

SPECIFICATIONS

NAME SUPER ACE S-1

FORM Vertical Descent Type

	Where used	Name	Size & Standards
Base Frame Hardware Main Materials	Main Frame	Square Pipe	40×40×2t or 50×50×2.3t (JIS G3466)
	Entrance Frame Rotary Shaft	Pipe	34 φ × 3.4t (JIS G3454)
Chute Main Body Main Materials	Slide Cloth	Polyester	Tensile Strength 150×160 kg Tear Strength 19×19 kg
	Outer Fabric	Polyester (Flame resistance)	Tensile Strength 150×160 kg Tear Strength 19×19kg
	Main Belt	Polyester	35×2t 2,460 kg × 5 = 12,300 kg

