

ES6000 Hook Lock

General Information

ES6000 Hook Lock is suitable for swinging doors, sliding doors and is easily attached to wood or steel door frames. ES6000 is heavy duty designed with its high preload (side load) capability of up to 300 kg, high holding force of up to 700 kg and up to 4 hour fire rating. Both Power to Open and Power to Lock models are available.

The ES6000 is available in both recess and surface mounted versions.

The ES6000 recess mounted version is completed with elegant satin stainless steel faceplate. The surface mounted version is completed with a cast aluminium cover that can be supplied in a variety of colours to match existing door frames.

ES6000 can be mounted vertically and horizontally, with self-latching ability without power for fire applications.

Features

- Power to Open or Power to Lock versions available
- Side Load (Pre-Load) Capable: Operates freely with up to 300 kg of side pressure
- Self Latching: Will self latch without power for fire applications
- 680kg holding force
- Robust Construction: Stainless steel components used
- Low Profile: Will protrude only 40mm into door headroom
- Multi Voltage: Automatic selection 12 to 30Vdc with back EMF protection and reverse polarity protection
- Multi Orientation: Can be mounted vertically or horizontally
- Low Current Consumption
 - 12VDC- 250mA after 1 sec. (initial current 830mA)
 - 24VDC- 140mA after 1 sec. (initial current 530mA)
- Monitored: locked and unlocked
- Tested to the 300kg preload capability



Applications:

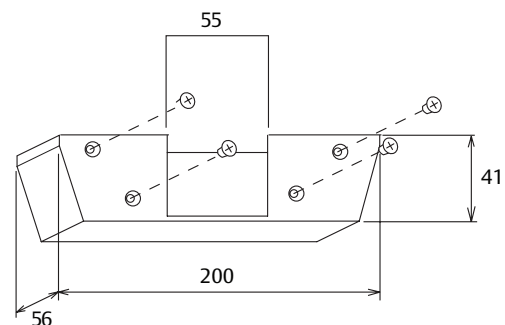
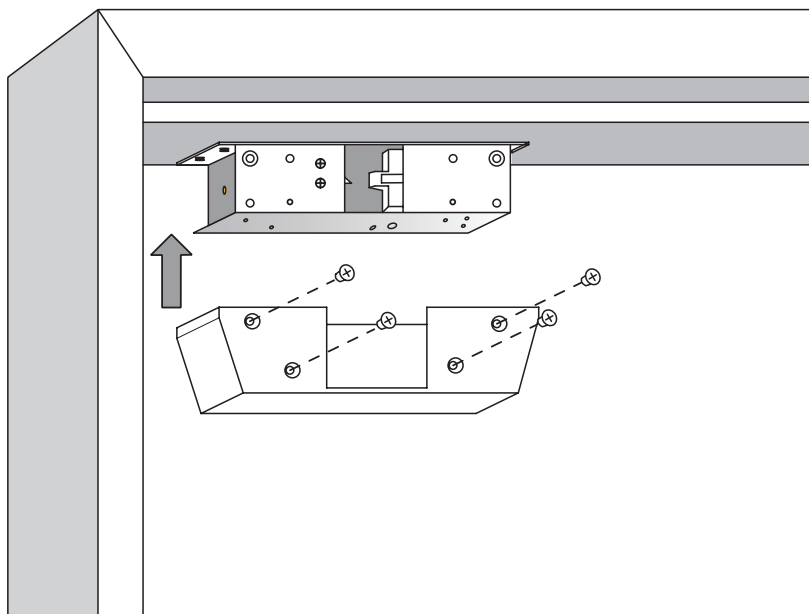
- Heavy duty applications
- Sliding and swing door applications
- High air pressure environments (High Pre Load rating)

Standards and Compliance



Successfully fire rated up to 2hrs on fire door assemblies in accordance with AS1905.1. 2005 (Part 1: Fire resistant door sets).

ES6000 Hook Lock



ES6000 Hook Lock Technical Information

Voltage	Supply Voltage 12-30Vdc Ground (OV)
Current	12Vdc – 250 mA after 1 sec. (initial current 830 mA) 24Vdc – 140 mA after 1 sec. (initial current 530 mA)
Monitoring	Door locked (Solenoid) – Door Closed (Latch)
Strength	1500 lbs. (680kg) static strength rating 70 foot-lbs. dynamic strength rating
Endurance	Internal Testing achieved: 2,000,000 cycles of operation
Pre-Load	660lbs (300kg) pre-load capability
Environment	Operational temperature range: -20°C to +60°C
Lock Body	Cast Aluminium Construction
Lock Body	Solid Stainless Steel Construction
Lock Bolt	Solid Stainless Steel

Specification Statement

This lock must be able to operate with up to 300kg of preload pressure, with a holding force of 700kg. The lock must be multi voltage selection 12 - 30 Volts with back EMF protection for reverse polarity. Lock can be mounted both horizontally or vertically. The lock need to be subjected to vigorous testing and a minimum of 2,000,000 cycles need to be achieved.

Ordering Information

Product Description	Part Number
ES6001SS Mortice, Hook Lock Monitored, 12 - 24V Fail Safe SS Faceplate (Recessed)	116001-000
ES6001SIL Surface, Hook Lock Monitored, 12 - 24V Fail Safe Silver Cover	116001-010
ES6002SS Mortice, Hook Lock Monitored, 12 - 24V Fail Secure SS Faceplate (Recessed)	116002-000
ES6002SIL Surface, Hook Lock Monitored, 12 - 24V Fail Secure Silver Cover	116002-010
Accessories	
Spare Cover for Hook Lock, Silver	206000-010